

**Virginia State University**  
**MS-4 Permit: VAR040119**  
**July 1, 2021 - June 30, 2022 Annual Report**



Prepared for  
**Virginia State University**  
Capital Outlay & Facilities Management  
PO Box 9414  
Virginia State University, VA 23806

October 1, 2022

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## Acronyms

AS&S	Annual Standards & Specifications
BMP	Best Management Practice
DEQ	Virginia Department of Environmental Quality
E3	Exemplary Environmental Enterprise
ESC	Erosion and Sediment Control
IDDE	Illicit Discharge Detection and Elimination
MCM	Minimum Control Measure
MPC	Multi-Purpose Center
MS4	Municipal Separate Storm Sewer System
N	Nitrogen
NMP	Nutrient Management Plan
P	Phosphorus
PCB	Polychlorinated biphenyls
POC	Pollutant of Concern
SOP	Standard Operating Procedure
SWM	Stormwater Management
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
VPDES	Virginia Pollutant Discharge Elimination System
VSU	Virginia State University
WLA	Wasteload Allocation



## Section 1 Background Information

*Part 1.D.2: Permittee, system name, and permit number; reporting period; signed certification in accordance with Part III K; each annual reporting item; an evaluation of the MS4 program implementation.*

- *Permittee and permit number:* Virginia State University, Permit # VAR040119
- *Reporting period:* Year four of the 2018-2023 cycle (July 1, 2021 – June 30, 2022).
- *Signed certification in accordance with Part III K:*

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

\_\_\_\_\_  
Jonathan Taylor

Director for Capital Outlay

\_\_\_\_\_  
Date

- *Each annual reporting item:* See the subsequent sections of this report.
- *Evaluation of the MS4 program implementation:* See Section 2 of this report.

For questions regarding this Annual Report or VSU’s MS4 Program Plan, please contact:

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Director for Capital Outlay  
Virginia State University

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(804) 504-7500  
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## Section 2 Minimum Control Measures

Each Minimum Control Measure is described in the following sections.

### 2.1 MCM 1: Public Education and Outreach

*Part I.E.g.1: List the high-priority stormwater issues addressed in the public education and outreach program.*

See Table 1, below.

*Part I.E.g.2: List of the strategies used to communicate each high-priority issue.*

The strategies are listed in Table 1, below. See Appendix MCM 1 for documentation.

**Table 1 (Revised) - High Priority Stormwater Issues**

High-Priority Stormwater Issue	Strategy to Communicate Issue	Implementation of Strategy
Land and Vegetation Management	Media materials	Trees and Water Quality factsheet posted to VSU's Announcements and Updates page.  Fact sheet available for download on the Capital Outlay MS4 Program website.  Email distribution of VSU's Annual Standards & Specifications to all AE firms performing planning and designs on campus. Availability of Annual Standards & Specifications on website.
General Stormwater Awareness	Signage and Media materials	Stormwater factsheet posted to VSU's Announcements and Updates page.  Fact sheet available for download on the Capital Outlay MS4 Program website.  Maintain educational sign at MPC stormwater management facility.
Dumpster and Litter Management	Media materials	Dumpster factsheet and Cigarette Litter factsheet posted to VSU's Announcements and Updates page.  Fact sheets available for download on the Capital Outlay MS4 Program website.

*Part I.D.2.e: Provide a review of each MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary.*

The selected high-priority stormwater issues and the planned implementation strategies for MCM 1 are effective because they reach the intended audience and communicate



the intended messages. Changes to VSU's MS4 Program Plan are not necessary at this time.

## 2.2 MCM 2: Public Involvement and Participation

*Part I.E.2.f.1: A summary of any public input on the MS4 program received (including stormwater complaints) and how VSU responded.*

VSU did not receive any public input on the MS4 program during the reporting period.

*Part I.E.2.f.2: A webpage address to the permittee's MS4 program and stormwater website.*

The website address is:

<http://www.vsu.edu/capital-outlay/programs-resources-procedures.php>

*Part E.2.f.3: A description of the public involvement activities.*

VSU identified and participated in the following local events/activities to address public involvement with stormwater and environmental activities:

1. Home Depot Retool Your School Fleets Branch Outdoor Fitness Park Service Day: VSU held a service day for ROTC cadets on October 14, 2021, at the Fleets Branch Fitness Park Site for the cultivation and construction of the Outdoor Fitness Park project. Students, faculty and guests constructed a new fitness area, planted trees, and implemented erosion and sediment control practices during the construction process. The project site is located adjacent to VSU's Fleet Branch Stream Restoration project.
2. Fall Service Day Event  
VSU held a Fall Service Day Events on October 16<sup>th</sup>, 2021. Students, faculty and guests participated in trash cleanup on campus.
3. Business Students Cleanup Event: Students and faculty in the Business department participated in trash clean up along the Appomattox River Trail and Patton Park on May 3, 2022.
4. Spring Service Day Event  
VSU held a Spring Service Day Event on April 18<sup>th</sup>, 2022. The service day partnered with Tree Campus USA to pick up trash on campus specifically located along Fleets Branch that runs through campus.



5. Tree Campus USA Advisory Committee  
The Tree Campus USA Advisory Committee held several meetings throughout the reporting period to discuss planning of Environmental Service Days and to work to maintain the Tree Campus USA designation, as well as other related topics.
6. Classroom Guest Presentations  
Timmons Group gave a presentation on June 28, 2022 to attendees of the Tree Campus USA meeting regarding the University's MS4 program and stormwater management.

*Part I.E.2.f.4: A report on the metric as defined for each activity and an evaluation as to whether the activity is beneficial to improving water quality.*

1. Home Depot Retool Your School Fleets Branch Outdoor Fitness Park Service Day:  
The VSU ROTC Cadets along with other students, faculty, staff, and guests attended the service day on October 14<sup>th</sup>, 2021. This event was beneficial to improving water quality by educating participants on the importance of trash cleanup for water quality in receiving streams and to learn the importance of stabilization measures for small construction projects. Three (3) bags of trash were collected along Fleets Branch during the service activity. The event hosted approximately 25 participants.
2. Fall Service Day Event:  
Ten bags of trash were collected by students, faculty, staff, and guests that attended the service day on October 16<sup>th</sup>, 2021. This event was beneficial to improving water quality by educating participants on the importance of trash cleanup for water quality in receiving streams. Nine (9) bags of trash were collected.
3. Business Students Cleanup Event:  
Approximately eleven (11) participants attended the clean-up event on May 3, 2022. This event was beneficial to improving water quality by educating participants on the importance of trash cleanup for water quality in receiving streams.
4. Spring Service Day Event:  
This event was beneficial to improving water quality by educating participants on the importance of trash cleanup for water quality in receiving streams. Participants allow learned about the stream restoration project that was recently constructed along Fleets Branch. Approximately 15 students, faculty, staff, and guests attended the service day on April 18, 2022.



5. Tree Campus USA Advisory Committee  
At least four meetings were held over the course of the reporting period. Each meeting was attended by approximately eight people. These events are beneficial to improving water quality because it gives stakeholders the opportunity to meet together and help ensure that VSU continues to maintain its commitment to improving water quality and to plan for future activities that will improve water quality. Additionally, these meetings often include individuals from neighboring organizations with similar goals to improve water quality.
  
6. Classroom Guest Presentations  
Approximately 8 students/staff were reached during the presentation given during an open attendance Tree Campus USA meeting. These activities were beneficial to improving water quality because they gave the participants an opportunity to learn about stormwater management and how individuals can directly improve water quality within their MS4.

Part E.2.f.5: *The name of other MS4 permittees with whom VSU collaborated with.*  
VSU did not collaborate with other MS4 permittees for this reporting period.

*Part I.D.2.e: Provide a review of each MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary.*

The public involvement opportunities are considered effective due to the number of staff, faculty, and students that participate and due to each event's relevant messages on how individuals can improve water quality. No changes to the MS4 program plan are necessary.

## 2.3 MCM 3: Illicit Discharge Detection and Elimination

*Part I.E.3.e.1: A confirmation statement that the MS4 outfall map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year.*

No updates were required to the MS4 outfall map or information table during this reporting year.

*Part I.E.3.e.2: The total number of outfalls screened during the reporting period as part of the dry weather screening program.*

Twenty (20) outfalls were screened during the reporting period. This represents 100% of VSU's total MS4 outfalls. See Appendix MCM3 for documentation.

*Part I.E.3.e.3: A list of illicit discharges with information on: the source; the date the discharge was observed, reported, or both; whether the discharge was discovered during*



*dry weather screening, reported by the public, or other method; how the investigation was resolved; a description of any follow-up activities; and the date the investigation was closed.*

No illicit discharges were reported during the reporting period.

*Part I.D.2.e: Provide a review of each MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary.*

This MCM is considered to effective and no changes to the MS4 Program Plan are necessary.

## **2.4 MCM 4: Construction Site Stormwater Runoff Control**

*Part I.E.4.d.1.a: A confirmation statement that land disturbing projects that occurred during the reporting period have been conducted in accordance with the current department approved standards and specifications for erosion and sediment control.*

Three land disturbing projects occurred under the VSU's General Permit coverage for Discharges of Stormwater from Construction Activities within the reporting period. Each of these land disturbing projects were conducted in accordance with VSU's current department approved Annual Standards and Specifications for ESC.

*Part I.E.4.d.1.b: If one or more of the land disturbing projects were not conducted with the department approved standards and specifications, an explanation as to why they did not.*

All land disturbing projects were conducted with VSU's approved Annual Standards and Specifications for ESC.

*Part I.E.4.d.2: Total number of construction site stormwater runoff control inspections conducted*

Sixty-four inspections were conducted within this reporting period. See Appendix MCM 4 for documentation.

*Part I.E.4.d.3: Total number and type of enforcement actions taken.*

No notice to comply enforcement actions were taken. See Appendix MCM 4 for documentation.

*Part I.D.2.e: Provide a review of each MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary.*





This MCM is considered to be effective as VSU's Annual Standards and Specifications are approved by DEQ. The Annual Standards and Specifications were revised this year to improve readability and to provide clarifications. The revised Annual Standards and Specifications have been submitted to DEQ for review in June 2022.

## 2.5 MCM 5: Post Construction Stormwater Management

*Part I.E.5.i.2: Total number of inspections conducted on SWM facilities owned or operated by VSU.*

Forty-eight inspections were conducted on SWM facilities owned or operated by VSU.

*Part I.E.5.i.3: Description of the significant maintenance, repair, or retrofit activities performed on the SWM facilities.*

Routine maintenance and repair was performed on VSU's SWM facilities during the reporting year. Routine maintenance focused on maintenance of Filterra units (both inlet and roof). Maintenance included removal of trash, sediment and mulch replacement. Documentation of the maintenance activities is included in the appendix.

*Part I.E.5.i.4: A confirmation statement that VSU submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database for land disturbing activities required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities or a statement that no such projects were completed.*

VSU did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities.

*Part I.E.5.i.5: A confirmation statement that VSU reported BMPs using the DEQ BMP Warehouse and the date on which the information was submitted.*

No new BMPs were constructed during the reporting period.

*Part I.D.2.e: Provide a review of each MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary.*

This MCM is considered effective and no changes to the MS4 program plan are necessary.

## 2.6 MCM 6: Pollution Prevention and Good Housekeeping

*Part I.E.6.q.1: A summary of any operational procedures developed or modified.*

No operational procedures were developed or modified during the reporting period.



*Part I.E.6.q.2: A summary of any new SWPPPs developed.*

No new SWPPPs were developed during the reporting period.

*Part I.E.6.q.3: A summary of any SWPPPs modified after an unauthorized discharge or any high priority facilities that have been delisted.*

No SWPPPs were modified after an unauthorized discharge and no high priority facilities have been delisted during the reporting period.

*Part I.E.6.q.4: A summary of any new turf and landscape nutrient management plans developed that includes the location and total acreage of each land area and the date of each approved plan.*

Updates were made to the NMP during this reporting period. The nutrient management plan approval letter from DCR is included in the Appendix.

*Part I.E.6.q.5: A list of training events including the training date, the number of employees who attended the training, and the objective of the training.*

A virtual SPCC training was held in October 2021 with seven attendees participating. The purpose of the training was to educate employees on how to prevent and clean up discharges, handling materials, and good housekeeping practices. The training video can be accessed with this link: [2021 VSU SPCC Training.mp4 on Vimeo](#). See Appendix MCM 6 for documentation.

*Part I.D.2.e: Provide a review of each MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary.*

This MCM is considered to be effective as VSU has not had any significant spills or contamination events on campus. No changes to the MS4 Program Plan are necessary.

## **Section 3 Summary of Changes to Program Plan**

*Part I.C.4: Summarize revisions to the MS4 Program Plan.*

There were no significant changes made to VSU's MS4 Program Plan during this reporting period. Revisions were made to the Annual Standards and Specifications (AS&S) to improve readability and to provide clarifications. The revised AS&S have been submitted to DEQ for approval.

## **Section 4 Government Reliance for Permit Obligations**

VSU does not rely on any other government entity to satisfy any permit obligations.



## **Section 5 TMDL Special Conditions Contained in Part II**

*Permit Requirement Part 1.D.4: Provide a status report on the implementation of the Chesapeake Bay TMDL action plan or local TMDL action plans and any revisions.*

### **5.1 Status Report**

VSU has completed the construction of Fleet's Branch Stream Restoration BMP (Phase I) as described in the Chesapeake Bay TMDL Action Plan. The construction of this project fully meets pollutant reduction requirements for the Chesapeake Bay TMDL Action Plan. No additional projects are required for TMDL compliance.

#### **5.1.1 BMPs implemented during the reporting period**

No BMPs were implemented during this reporting period.

#### **5.1.2 BMPs expected to be implemented during the next reporting period**

No BMPs are expected to be implemented during the next reporting period.

#### **5.1.3 Progress toward meeting compliance targets**

VSU has achieved 100% of all compliance targets.

### **5.2 Local TMDL Action Plans**

VSU does not have any local TMDL Action Plans. VSU discharges to the Appomattox River which does have a local TMDL for PCBs. However, VSU has not been assigned any TMDL WLAs for PCB.

**MCM 1 PUBLIC EDUCATION & OUTREACH  
DOCUMENTATION**

**From:** Jane S. Harris <jsharris@vsu.edu>  
**Sent:** Friday, June 24, 2022 2:09 PM  
**To:** Aislinn Creel; Sheila Reeves  
**Cc:** Jonathan A. Taylor  
**Subject:** Fw: VSU Greater Happenings: Announcements and Updates  
**Attachments:** [Screenshot\\_20220624-140719\\_Chrome.jpg](#)

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

The environmental flyers have been posted on the University announcements page.

Jane Harris  
Virginia State University  
Assistant Vice President for Facilities and Capital Outlay  
PO Box 9414  
Physical Plant Building, Suite 25  
2916 Myster Macklin Street  
Petersburg, VA 23806  
(W) (804) 524-6239  
(C) (804) 218-3225  
(F) (804) 524-5383  
[jsharris@vsu.edu](mailto:jsharris@vsu.edu)

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**From:** Announcements <[announcements@vsu.edu](mailto:announcements@vsu.edu)>  
**Sent:** Thursday, June 23, 2022 1:13 PM  
**To:** Announcements <[announcements@vsu.edu](mailto:announcements@vsu.edu)>  
**Subject:** VSU Greater Happenings: Announcements and Updates

VSU Employees,

Stay informed on what's happening on campus. [VSU Greater Happenings: Announcements and Updates](#) are updated DAILY. Our faculty/staff intranet is the ONLY place to find all VSU announcements. [Click here](#) to view updated announcements and information and to submit an announcement to be shared.

Please remember to bookmark this page and check it DAILY for your new VSU announcements.



**Be Well, Be Safe, Be GREATER!**

**With Trojan Pride,  
Gwen Williams Dandridge  
Assistant Vice President for Communications  
Virginia State University  
#GreaterAtVSU**  
Follow VSU on [social media](#) or scan the QR code.



## **VIRGINIA STATE UNIVERSITY:**

- Opens doors for **GREATER** access to lifelong learners
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- Provides **GREATER** outreach as an 1890 land-grant university extending **GREATER** expertise to improve the quality of life in our state, nation and world
- Provides a personable, stable, nurturing holistic atmosphere conducive to **GREATER** learning, growing, and transforming
- Develops **GREATER** leaders who are globally competitive while remaining civically engaged

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# GENERAL INFORMATION



## **Trees and Water Quality at VSU**

Did you know that VSU is a Tree Campus USA? In 2015, the Arbor Day Foundation named Virginia State University a "Tree Campus USA University" for its dedication to campus forestry management and environmental stewardship. The initiative was led by the College of Agriculture's Joel Koci who formed the committee in collaboration with faculty, Facilities, Police and Public Safety, and community groups. We will soon celebrate our 7th recertification as a Tree Campus! Our trees are not only beautiful but they also help keep our water clean and free of pollutants.

Please take a moment to review the below Spotlight on the Chesapeake Bay Watershed that explains the way trees and clean water work together.

 [MCM1\\_4\\_Trees and Water Quality Fact Sheet.pdf](#)

# GENERAL INFORMATION



## **Environmental Stewardship at VSU**

As the semester draws closer and we prepare for a full population, please be mindful that our actions can have a direct impact on the rivers and streams we share. Using Best Management Practices when discarding trash will help prevent pollution from entering drains and into our rivers and streams.

Please read the below fact sheet to see how you can help keep our campus and the Appomattox River clean for generations of Trojans to come.

 [MCM1\\_2\\_Dumpster Fact Sheet.pdf](#)

# GENERAL INFORMATION



## **Storm Water Management at VSU**

Did you know that Virginia State University owns and operates a network of storm water inlets, pipes, ditches, and storm water management ponds much as a town or city? This system is known as a Municipal Separate Storm Sewer System (MS4). Our system at VSU is equipped with several structures and measures designed to keep Virginia's waterways clean and free of pollutants.

The below fact sheet shows what you can do to minimize water pollution and keep VSU's water clean and beautiful.

 [Stormwater Fact Sheet.pdf](#)

# GENERAL INFORMATION



## **Cigarette Litter Facts**

Did you know that throwing tobacco products, especially cigarette butts, on the ground or in the waterways creates litter and causes harm to the environment and animals? Smokers litter about 4.5 trillion cigarette butts yearly and 32% of litter in storm drains is tobacco products. Cigarette butts leach toxic chemicals (arsenic, lead, cadmium, aromatic hydrocarbons) that could pollute the environment and harm its ecosystems and can take anywhere from 2 to 25 years to biodegrade. Extinguishing cigarettes on the ground and in planting beds can also cause fires. For these reasons, all tobacco products should be extinguished and disposed of in approved receptacles.

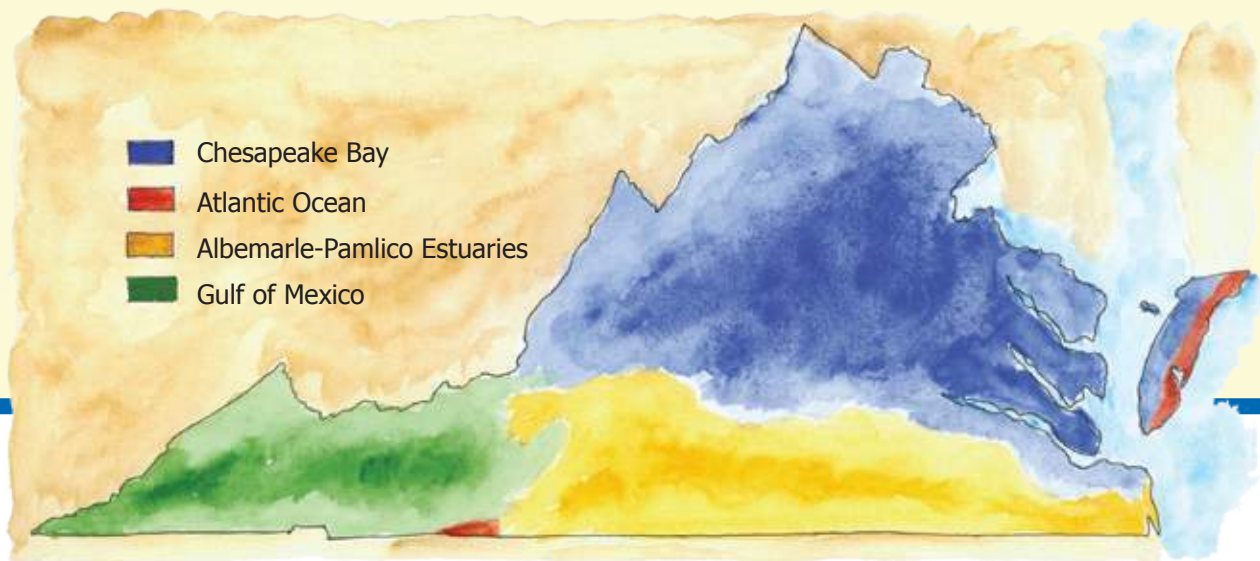
Take a look at the below fact sheet to learn more.

 [MCM1\\_5\\_Cigarette Litter Fact Sheet.pdf](#)



# SPOTLIGHT ON THE CHESAPEAKE BAY WATERSHED

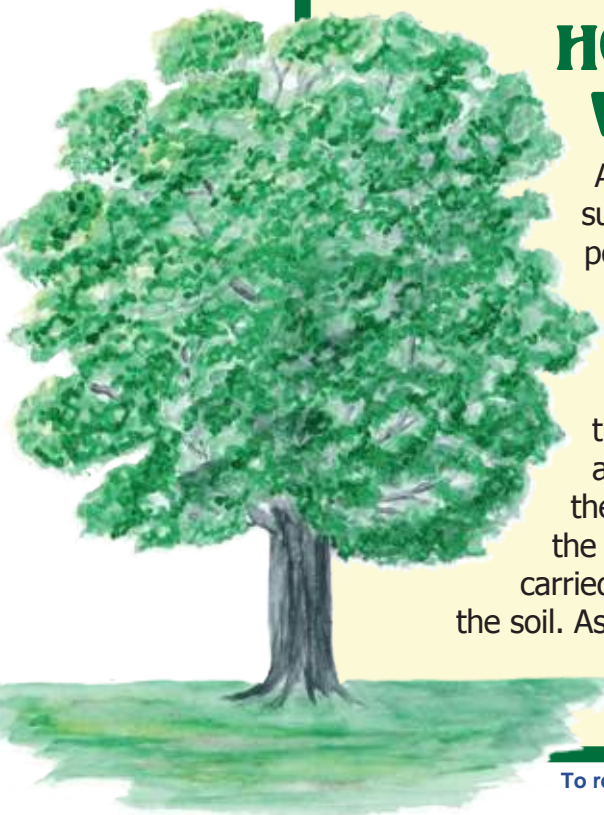
The map shows where Virginia's streams complete their watershed journeys. As you can see from the map, much of Virginia is in the Chesapeake Bay watershed. Parts of six states make up this watershed, and over 16 million people live within it. The Chesapeake Bay is the largest estuary in all of North America! Many species of wildlife live in the Bay and its surrounding wetlands. Young fish and crustaceans find the food and shelter they need in its marshes and tidal creeks. Waterfowl, such as ducks and geese, spend the winter feeding in shallow Bay waters. People use the Bay for recreation, and some earn a living by catching fish and shellfish there. Because so much life depends on the Bay, keeping it clean and healthy is very important. Virginia's forests play a big part in protecting the health of the Chesapeake Bay.



## HOW DO TREES PROTECT WATERSHEDS?

As water moves across the landscape, it can pick up pollutants – substances that do not belong in a healthy stream. Examples of pollutants include fertilizers from farm fields, pesticides from home lawns, oil and chemicals from roadways and parking lots, and even soil from new construction sites.

Watersheds with lots of trees have some natural protection from these harmful substances. Heavy rains are less likely to disturb and carry away soil in a forested watershed. This is because the raindrops slow down when they hit tree leaves and drip to the ground. The trees also act as filters for many of the pollutants carried in water. Tree roots absorb much of the water as it sinks into the soil. As trees use water, they remove pollutants before releasing water back into the air. Fortunately, almost two thirds of Virginia's land is forested – that is, covered by trees.



# TRASH BEST MANAGEMENT PRACTICES

## Don't Let Trash End Up in Our Rivers and Streams

**Keep dumpsters, trash cans and recycling bins covered, except when filling or emptying.** Schedule pickup frequency to keep trash from holding the cover open. Open lids allow contact with stormwater, which dissolves and transports contaminants into the stormwater system. Open lids also invite pests to spread trash around.

**Do not put liquids or greases in the trash containers.** They should go down the sanitary sewer or be discarded in a grease barrel. Liquids may be accepted by the local sanitary sewer district, check prior to discharging any liquid into the sewer line.

**Check that the dumpsters or trash cans are in good condition, with no holes or accumulation of grime.** Trash containers should be leak-free. When necessary, call the sanitation company to replace or clean the containers.

**Regularly inspect the trash enclosure and general area for problems such as trash not in the container and accumulation of grease or food on the ground.** Clean the trash enclosure as needed to remove any accumulations of grime and/or general trash.

**Clean trash cans in a designated area with a connection to the sanitary sewer such as mop sink or floor drain.** Do not use a drain without knowing whether it flows to the sanitation sewer, storm drain or self-contained internal sump. Confirm before using drains to ensure proper disposal. Never discharge wash-water to storm drains or offsite.

**Designate an area for trash collection away from storm drains.** This allows problems at the trash container to be corrected before reaching the storm drain or flow offsite.

All of our actions within our watersheds have a direct impact on the rivers and streams we share.

The Best Management Practices shown at left

help prevent pollution from going down the drains and into our rivers and streams.



**To report illegal dumping on the VSU campus, call (804) 524-5451.**



# MINIMIZING STORMWATER POLLUTION

Stormwater is water from rain or melting snow that does not soak into the ground but runs off into waterways. It flows from rooftops, bare soil and paved areas and lawns. It picks up a variety of contaminants (pet waste, fertilizers, oil, grease) along the way. These enter our lakes, streams, wetland and rivers and can harm fish, wildlife, vegetation. It can also foul your drinking water.

**PRACTICES TO REDUCE STORMWATER POLLUTION INCLUDE CONTAINING AND COVERING GARBAGE, WASTE MATERIALS, AND DEBRIS. EVEN THE SIMPLE PRACTICE OF KEEPING A TRASH CAN LID CLOSED CAN BE A VERY EFFECTIVE POLLUTION PREVENTION MEASURE. OTHER EASY WAYS TO PREVENT STORMWATER POLLUTION INCLUDE: WASHING YOUR CAR OVER LAWN OR GRAVEL; USING LAWN CHEMICALS SPARINGLY, AND CLEANING UP PET WASTE.**



**To report illegal dumping on the VSU campus, call (804) 524-5451.**



## IS A CIGARETTE BUTT LITTER?

When it ends up on the ground and not in a proper receptacle, a cigarette butt is litter. Partially smoked cigarettes, cigar tips, matches, disposable lighters, packaging, and cigarette butts are all part of our national litter problem.



Individuals, who would never litter beverage cans or paper packaging, typically don't consider tossing cigarette butts or cigar tips on the ground as littering. Lack of awareness, lack of ash receptacles, and ordinances that move smokers outdoors all increase cigarette butt littering.

## CIGARETTE BUTT LITTER AND YOUR COMMUNITY

Although it's one of the smallest pieces of litter, communities report cigarette butts, including cigar tips, are the top item collected during local cleanups. All that litter has an impact on the places in which we live:

### CREATING BLIGHT

Cigarette butt litter is unsightly. It accumulates in corners, gutters, and outside doorways and bus shelters. Litter in a business district, waterfront, on roadways and recreation areas, and other signs of disorder create a sense that no one cares about the community.

### HARMFUL TO WATERWAYS

Littered cigarette butts and cigar tips are easily carried in storm water runoff through drainage systems and eventually to local streams, rivers, and waterways. Cigarette filters contain cellulose acetate, a form of plastic that does not biodegrade and can persist in the environment.

### COSTLY TO CLEAN UP

Cigarette litter requires additional sidewalk and street sweeping, greenway and park maintenance, and storm water system upkeep. Retailers, property owners, and municipalities also bear the expense of cigarette litter cleanup at entrances, exits, and adjacent sidewalks and parking lots.

## TIPS TO REDUCE CIGARETTE BUTT LITTER

Appropriate ash receptacles need to be available to smokers who have moved from buildings, businesses, bars and restaurants on to the sidewalks to smoke. Individuals who smoke must accept personal responsibility and choose not to litter.

### HERE'S HOW EVERYONE CAN HELP

**Carry a portable or pocket ashtray when smoking outside.** Encourage smokers to be aware of where their cigarette will be discarded when they light up. Whether smokers are outside public buildings, in parks, on beaches or city sidewalks, a little planning will reduce the number of butts and cigar tips that end up on the ground.

**Use a proper receptacle to dispose of cigarette butts and cigar tips.** Ash receptacles are needed at the places where people must stop smoking before they proceed. These are called "transition points." Ash receptacles at transition points remind smokers to properly dispose of cigarette butts.

**Don't throw butts out car windows.** Place cigarette butts and cigar tips in a car ashtray, a portable auto ashtray (which fits in the cup holder), or a container with a secure top.

**Be aware of local litter ordinances.** Many communities have litter ordinances that include cigarette butt litter. These are enforceable and carry penalties.

To report illegal dumping on the VSU campus, call (804) 524-5451.

[www.vsu.edu](http://www.vsu.edu)

**From:** Jonathan A. Taylor <jataylor@vsu.edu>  
**Sent:** Friday, June 24, 2022 3:54 PM  
**To:** Alston Hilliard; Juan Martir; Rodney Winfield; Robert C Grammer; Berliner, Shane; James Peace; Robert Parise; Nickolas Coile; Michael Hammon; Chris Smith; 'Dan Hickok'; Bill Boyce; Steve Hostetler; tmills@tamconsultants.com; jdreiling@hewv.com; kstorms@hewv.com; Elizabeth Morgan  
**Cc:** Jane S. Harris; Gilbert Hanzlik; Sheila Reeves; Aislinn Creel; Debra AC Sulla; Sean Minor; Marian B. Barney; Dale Mason; Rianna Davis-Gaetano; Eric L. Minar; David Weddle; Cameron Stiles; Charlene Harper; Eric A. Martin; Nathan A. Schmidt  
**Subject:** VSU Annual Standards and Specifications for Erosion and Sediment Control & Stormwater Management  
**Attachments:** [Combined AS&S\\_rev 20190502.pdf](#)

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Good Afternoon

To all of our Facility and Term Contract holders,

VSU has developed and implemented our own Annual Standards and Specifications for Erosion and Sediment Control & Stormwater Management. They are attached for your use and for distribution to your Consultants.

These standards shall apply to all land disturbance projects exceeding 2,500 square feet of disturbance unless otherwise exempt. Please familiarize yourself with these guidelines. If you have any questions or suggestions, please email me.

Thank you

Jonathan A Taylor  
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- . Increasing Student Opportunity and Access to Higher Education
- . Sustaining Academic Excellence
- . Providing a Transformative VSU Student Experience that Supports the Holistic Development of Students
- . Defining the VSU Brand to Tell Our Story
- . Increasing and Diversifying Financial Resources and Enhancing Operational Effectiveness
- . Enhancing the Land Grant Mission of the University

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**Annual Standards and Specifications  
for Erosion and Sediment Control  
and Stormwater Management**

(revised 5/2/2019)



## INTRODUCTION

The Virginia State University (VSU) Erosion and Sediment Control/Stormwater Management Program (ESC/SWM) is an integral component of the design, construction, maintenance, and management of the University Campus. The University's ESC/SWM Annual Standards and Specifications submittal has been developed to ensure that all land-disturbing activities undertaken by the University will proceed in accordance with the Virginia Erosion and Sediment Control Law and Virginia Stormwater Management Law and Regulations (ES/SWL&R), and The Virginia Erosion and Sediment Control Regulations and to Municipal Separate Storm Sewer Systems (MS-4) and construction activities.

The Annual Standards and Specifications for ESC/SWM shall apply to all plan design, construction and maintenance activities undertaken by the University, either by its internal workforce or contracted to external entities, where such activities are regulated by the Virginia Erosion and Sediment Control Law and Virginia Stormwater Management Law and Regulations. During any inspections of the University's land-disturbing activities by DEQ and other such environmental agencies, compliance with the approved Authority Annual Standards and Specifications for ESC/SWM (and all parts thereof) will be expected.

The University's Annual Standards and Specifications for ESC/SWM are submitted to the Department of Environmental Quality (DEQ) for review and approval on an annual basis. This submittal constitutes the University's commitment to execute all provisions contained herein on our regulated land-disturbing activities and land development projects. As such, this submittal will be made available and utilized as an operational guidance document by all appropriate University and DEQ personnel.





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## 1.0 ANNUAL STANDARDS AND SPECIFICATIONS ADMINISTRATION

All projects involving land-disturbing activity that are subject to Stormwater and Erosion and Sediment Control shall be bound by the University Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management. Only registered design professionals will prepare and seal erosion and sedimentation control plans and stormwater management plans for University projects. The erosion and sediment control plans and stormwater management plans will follow the latest regulations (as amended) which are detailed below.

### 1.1. ESC/SWM References

Authority Annual Standards and Specifications for ESC/SWM approved by DEQ are composed of general specifications. The general specifications for ESC/SWM that apply to the land-disturbing activities include the ESC/SWM technical bulletins (as amended) and by reference include the following:

- 1.1.1. Virginia Erosion and Sediment Control Law (§62.1-44.15 et seq. as amended);
- 1.1.2. Virginia Erosion and Sediment Control Regulations (9VAC25-840 et seq. as amended);
- 1.1.3. Virginia Erosion and Sediment Control Certification Regulations (9VAC25-850 et seq. as amended);
- 1.1.4. Virginia Erosion and Sediment Control Handbook, 1992;
- 1.1.5. Virginia Stormwater Management Program (VSMP) Regulations (9VAC25-870) and the General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Stormwater from Construction Activities (9VAC25-880) (as amended).
- 1.1.6. Accessed at:  
<http://www.deq.virginia.gov/Programs/Water/StormwaterManagement/Publications.aspx>

### 1.2. ESC/SWM Plans Required

Site-specific ESC/SWM plans shall be to the Program Administrator for review. ESC/SWM Plans shall be reviewed by a DEQ-certified plan reviewer. If the review is conducted by third party, the plan reviewer may send recommendation of approval to the Program Administrator, who will then document approval. Written approval issued by the Program Administrator is required prior to starting a land-disturbing activity. Checklists that summarize the required components of the ESC/SWM Plans are included in Appendix A and Appendix B, respectively.

- 1.2.1. Changes to approved site-specific ESC/SWM plans shall be submitted to the Program Administrator for review in accordance with Section 1.2. Changes to approved ESC/SWM Plans shall be reviewed by a DEQ-certified plan reviewer. If



the review is conducted by third party, the plan reviewer may send recommendation of approval to the Program Administrator, who will then document approval. Written approval issued by the Program Administrator is required prior to starting a land-disturbing activity.

### **1.3. Variances and Exceptions**

The University may request DEQ to grant a project specific variance to the approved University Annual Standards and Specifications for ESC/SWM. All requested variances are to be considered unapproved until written approval from DEQ is received. Refer to Section 6.0 for more information on variances.

### **1.4. Recordkeeping**

- 1) The University shall maintain, either on-site or in the Program Administrator's files, a copy of approved plans and a record of inspections for each active land-disturbing activity.
- 2) Project records, including approved stormwater management plans, shall be kept for three years after state permit termination or project completion.
- 3) Stormwater management facility inspection records shall be documented and retained for at least five years from the date of inspection.
- 4) Construction record drawings shall be maintained in perpetuity or until a stormwater management facility is removed.
- 5) All registration statements submitted in accordance with 9VAC25-870-59 shall be documented and retained for at least three years from the date of project completion or state permit termination.

## **2.0 ANNUAL STANDARDS AND SPECIFICATIONS PERSONNEL**

The University's Capital Outlay Department shall be the authority for administering University Projects under the University Annual Standards and Specifications for ESC/SWM. The following is a breakdown of related responsibilities and titles. The following functions are designated to ensure compliance with the Authority Annual Standards and Specifications for ESC/SWM on all University projects. All certifications shall be in accordance with Virginia Erosion and Sediment Control Law and Virginia Stormwater Management Law and Regulations.

### **2.4. ESC/SWM Annual Standards and Specifications Program Administrator**

The Program Administrator shall have overall management and coordination responsibilities for the Authority outlined in the University's Annual Standards and Specifications for ESC/SWM. This person will reside within the Department of Capital Outlay. At a minimum, this person shall be a DEQ certified Program Administrator.

### **2.5. ESC/SWM Annual Standards and Specifications Plan Reviewer**

The ESC/SWM Plan Reviewer shall be responsible for reviewing plans to ensure compliance with the University Annual Standards and Specifications for ESC/SWM and



applicable Virginia Erosion and Sediment Control Law and Virginia Stormwater Management Law and Regulations. The ESC Reviewer is either a licensed professional in accordance with 9VAC25-850-40 or holds the appropriate certificate of competency from the State Water Control Board (Board). The SWM Reviewer holds a certificate of competence from the Board in the area of plan review or is enrolled in the Board's training program for plan review and successfully completes such program within one year after enrollment. This person will reside within the Department of Capital Outlay or can be a certified third party hired by the Department of Capital Outlay. The Reviewer shall be responsible to review and approve erosion and sediment control and stormwater management plans and review Stormwater Pollution Prevention Plans (SWPPPs). If plan review is completed by a third party, the DEQ-certified plan reviewer shall make recommendations of approval or disapproval to the Program Administrator, who will then be responsible for documentation. The Reviewer must state in writing the reason(s) for disapproval of an ESC/SWM Plan and specify the modifications, terms, and conditions necessary for plan approval.

## **2.6. ESC/SWM Annual Standards and Specifications Inspector**

### **2.6.1. Responsibilities**

The ESC/SWM Inspector shall have the responsibility for inspecting erosion and sediment control practices to evaluate compliance with the approved ESC/SWM plan and associated laws, regulations, and the Annual Standards and Specifications for ESC/SWM. The Inspector shall be responsible to inspect erosion and sediment control measures installed in accordance with approved plans to ensure proper installation and record the state and effectiveness of such measures in an effort to minimize site erosion and maximize sediment control. They shall also be responsible to inspect the construction and effectiveness of permanent stormwater management controls, verify that all required documents are available on-site for view/review, including but not limited to: approved plans, inspection logs, VSMP permit, SWPPP, etc.

### **2.6.2. Certification Requirements**

This position shall be a DEQ certified inspector from the Department of Capital Outlay or can be a certified third party hired by the Department of Capital Outlay.

Regulations require that ESC inspectors obtain certification from DEQ by:

- 1) Either,
  - i. obtaining 800 hours of experience as an ESC project inspector or
  - ii. completing DEQ's "Basic Erosion and Sediment Control in Virginia" and "Erosion and Sediment Control for Inspectors" training programs
- 2) And
  - i. obtaining a passing score on the applicable certification examination administered by DEQ.



Regulations require that SWM inspectors obtain certification from DEQ by:

- 1) Either,
  - i. obtaining 800 hours of experience as an SWM project inspector or
  - ii. completing DEQ's "Basic Stormwater Management in Virginia" and "Stormwater Management for Inspectors" training programs
- 2) And
  - i. obtaining a passing score on the applicable certification examination administered by DEQ.

Certification and recertification is valid for three years.

### **2.7. Responsible Land Disturber**

A Responsible Land Disturber (RLD) shall be designated prior to initiating the land-disturbing activity. The Contractor shall notify the University and DEQ Piedmont Regional Office of the Responsible Land Disturber at least two weeks in advance of the land-disturbing activity as follows:

1. Information shall be sent to [StandardsandSpecs@deq.virginia.gov](mailto:StandardsandSpecs@deq.virginia.gov) (This is subject to change as DEQ is in the process of obtaining a AS&S specific email account)
2. The following information needs to be included in the e-notification two weeks prior to initiating a regulated LDA:
  - i. Project name or project number and any associated CGP permit number;
  - ii. Project location (including nearest intersection, latitude and longitude, access point)
  - iii. On-site project manager name and contact info
  - iv. Responsible Land Disturber (RLD) name and contact info
  - v. Project description
  - vi. Acreage of disturbance for project
  - vii. Project start and finish date
  - viii. Any variances/waivers/exemptions associated with this project.

### **3.0 ANNUAL STANDARDS AND SPECIFICATIONS IMPLEMENTATION**

ESC/SWM plans shall comply with the University Annual Standards and Specifications and the requirements listed in section 1.1. Starting July 1, 2014, VSMP Construction General Permits (GP) must include the general administrative criteria from Part II A. The technical criteria from Part II B or Part IIC should then be implemented as applicable to the project. Projects with land disturbances between 2,500 sf and 43,559 sf are not required to seek Construction GP coverage, but are required to have approved stormwater management plans and approved erosion and sediment control plans in accordance with the appropriate technical criteria.



### 3.1. Technical Criteria

The University has obtained initial 2009 Construction GP coverage for the MS4 boundary encompassing the main campus area in order to implement its architectural master plan in accordance with its stormwater master plan. As such, projects completed within the MS4 boundary limits of the main campus are considered to meet the time limits on applicability of approved design criteria per 9VAC25-870-47 and are eligible to use the technical criteria from Part IIB or Part IIC.

Projects designed to the technical criteria from Part IIB should use the Virginia Stormwater Management BMP Clearinghouse.

Projects designed to the technical criteria from Part IIC should use the *Virginia Stormwater Management Handbook*, First Edition, 1999 Volume I and II.

### 3.2. Use of Campus “Regional” BMPs

Campus wide water quality treatment BMPs are in place and being developed in accordance with the stormwater master plan. Development projects within the MS4 boundary can utilize these facilities to meet the Part IIC technical criteria. Projects seeking to utilize these campus-wide facilities must provide the following information within their stormwater management plans to demonstrate compliance:

- 3.2.1. Determination of the proposed project’s water quality requirement using the performance-based water quality calculation worksheets.
- 3.2.2. Water quality accounting calculations and summary information showing the available treatment capacity in the subject BMP prior to the proposed project and remaining treatment capacity in the subject BMP after the proposed is implemented.

A list of projects utilizing the “regional” BMPs is included in Appendix C.

### 3.3. Storm Water Pollution Prevention Plan (SWPPP) Template

A preliminary SWPPP shall be prepared in accordance with the information provided below for submittal to the contractor.

- 3.3.1. Complete the preliminary SWPPP prior to the project bid-meeting.
- 3.3.2. Use the campus-wide SWPPP template included in Appendix D of these Annual Standards and Specifications.
- 3.3.3. Insert the approved ESC/SWM plans in the appropriate SWPPP appendices.
- 3.3.4. Include the Standard Stormwater Pollution Prevention Plan technical specification from Appendix E within the project bid package. The specification is to be implemented on all regulated land disturbing activities that require Construction GP Coverage.



**3.3.5.** Submit the completed preliminary SWPPP and technical specification to the contractors prior to the pre-bid meeting

#### **3.4. Submittals**

ESC/SWM drawings and narratives shall be submitted to the Program Administrator for review and approval prior to any land-disturbing activities. The Administrator will transmit the ESC/SWM plans to the appropriate DEQ-certified plan reviewer. The Reviewer shall have 30 days to review the plan and provide written comments to the University's Administrator. Prior to commencement of a land-disturbing project, the project must have received written approval for the plan(s) from the Program Administrator.

#### **3.5. Plan reviews**

Plan reviews shall be conducted by a DEQ-certified Plan Reviewer. Plan reviews shall ensure compliance with the University's Annual Standards and Specifications. Plan Reviewers shall use the Plan Checklists provided in Appendix A for ESC and Appendix B for SWM plans.

#### **3.6. Inspections**

The Inspector(s) is responsible for determining if the implementation of the project is in accordance with the site-specific approved erosion and sediment control plans, stormwater management plans, and associated Virginia Erosion and Sediment Control Law and Virginia Stormwater Management Law and Regulations. Refer to Section 5.0 for more information on inspections and enforcement procedures.

#### **3.7. Changes and Amendments to Approved Plans**

An approved plan may be changed by the Department of Capital Outlay in the following cases:

- 3.7.1.** Where inspection has revealed the plan is inadequate to satisfy applicable regulations; or,
- 3.7.2.** If, for changed circumstances or other reasons, the approved plan cannot be effectively carried out, and proposed amendments to the plan, consistent with the requirements of this article, are agreed to by the plan-approving authority and the person responsible for carrying out the plan.

Subject to the discretion of the Inspector and/or project manager, revisions to an approved ESC/SWM plan must be submitted in writing to the Administrator for review. Formal plan revisions are only necessary when the changes involve engineered controls (e.g., a sediment trap or basin) or a reduction in the level or quantity of ESC/SWM. Revisions must comply with the University's Annual Standards and Specifications for ESC/SWM. Revisions shall not be considered approved until written notice is provided. Further, any modifications to the approved ESC/SWM plan that affect information on the

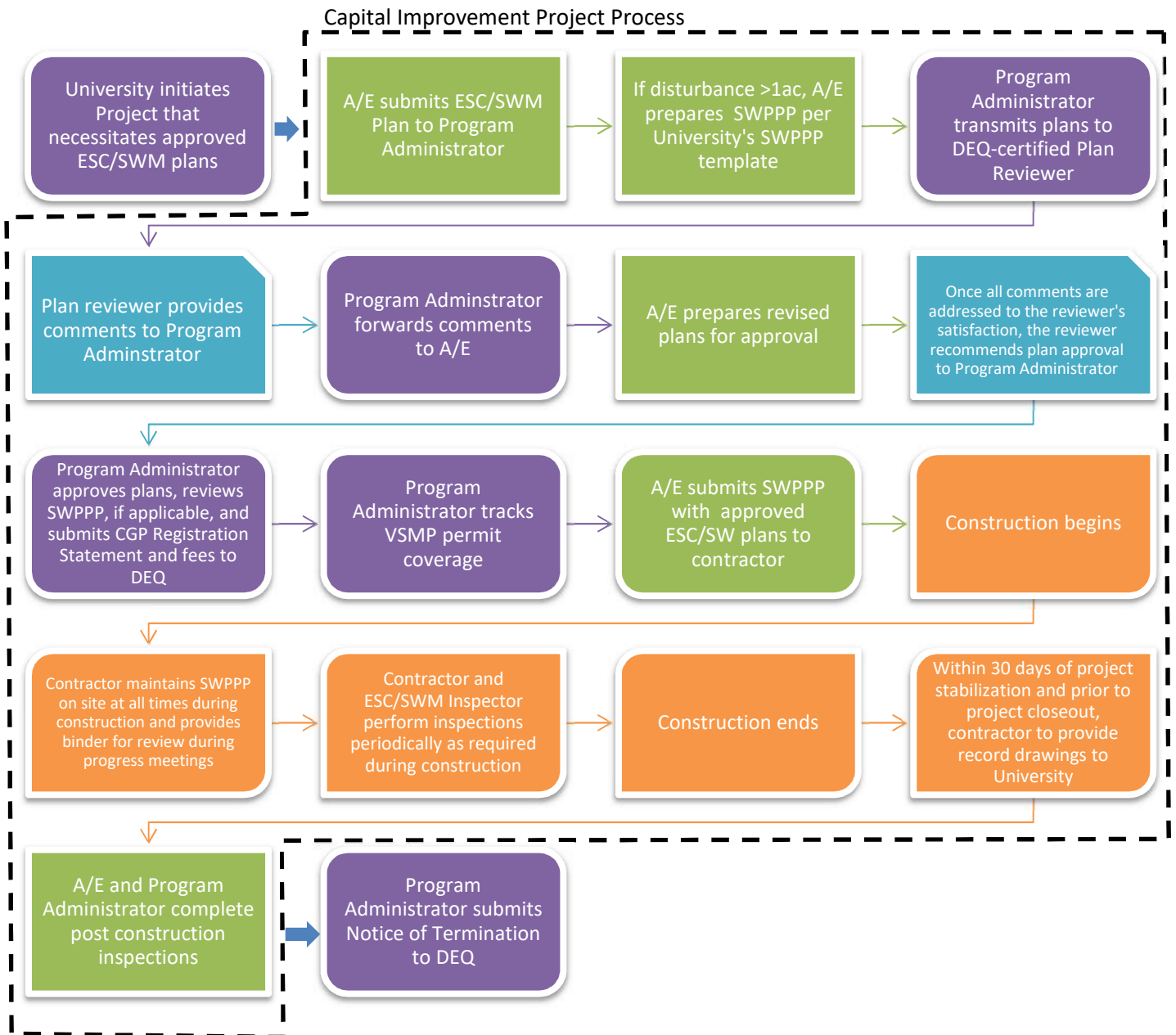




Construction General Permit (GCP) registration statement shall be made known to the DEQ CPG permitting staff.

### 3.8. Submittal and approval process

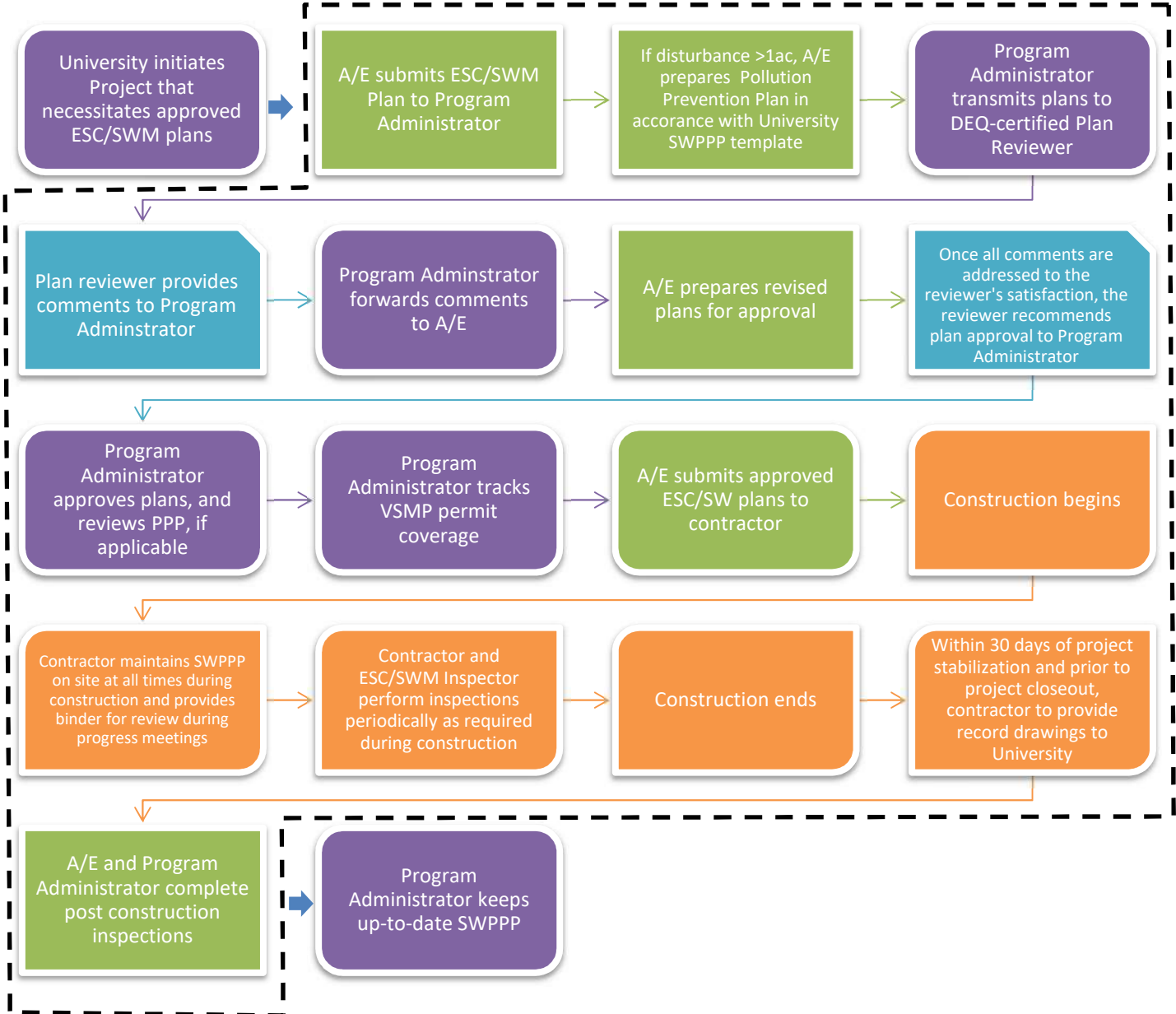
The following flow chart outlines the University's submittal and approval process from conception to end of land disturbing activity for activities that are not covered under the Campus-wide VSMP General Construction Permit (VAR109268).







Capital Improvement Project Process (for land disturbances covered under VAR109268)





## **4.0 EROSION & SEDIMENTATION CONTROL/STORMWATER MANAGEMENT PLAN REQUIREMENTS**

ESC and SWM Plans must be approved by VSU's DEQ-Certified ESC/SWM Plan Reviewer prior to land disturbance.

### **4.1. Submittals**

ESC/SWM plans and supporting documentation as outlined below shall be submitted to the Department of Capital Outlay for review and approval. The submittal must include the appropriate information and data necessary to support the licensed design professional's work.

#### **4.1.1. Checklists**

A complete set of project construction plans and checklists (Appendix A and B), in addition to supporting information such as calculations, design standard and specifications, reports, certifications, variances, exceptions, record documents, digital files, *etc.*, shall be submitted to the Department of Capital Outlay for review and approval prior to any land-disturbing activities. The submittal shall include a design that is in accordance with VSU's approved Annual Standards and Specifications for ESC/SWM.

#### **4.1.2. Resubmittals**

For all second and subsequent submittals, the submitting professional shall include a cover letter with explanations as to how each review comment is addressed and references the relevant drawing sheet or narrative location. In addition, significant changes in the ESC/SWM Plan shall be listed as part of the cover letter. The cover letter may warrant additional comments/discussion depending upon the previous review comments or changes to the plans.

### **4.2. ESC Plan Requirements**

Complete erosion and sediment control plans shall be provided in the construction plans and include the following:

**4.2.1.** Minimum standards 1 through 19 shall be listed in the construction plans.

**4.2.2.** Construction sequence of operations shall be defined on the construction plans with staged implementation of erosion and sediment control measures for each phase. The area which may be disturbed in each phase shall be set forth in the construction plans.

**4.2.3.** Construction plans shall provide information on the maintenance of all erosion and sediment control measures or reference the narrative section that contains the maintenance information.



- 4.2.4. Construction plans shall include the amount of disturbed area listed per phase as well as the existing and proposed impervious areas, including a net change in impervious area calculation.
- 4.2.5. Land disturbing activity occurring at a separate location (contractor laydown areas, borrow areas, support-activities, etc.) shall be addressed by either:
  - a. Considering the off-site activity as being part of the proposed land-disturbing activity; or
  - b. Ensuring that the offsite area is already covered by an approved erosion and sediment control plan. The University may require the applicant to provide proof of the approval and certification that the plan will be implemented in accordance with the SWM Act.
- 4.2.6. Proof of adequate outfall and adequacy of the receiving channel to the SW treatment facility needs to be submitted and approved.
- 4.2.7. Stockpile/lay-down areas and trailer locations shall be provided on the erosion and sediment control plans.
- 4.2.8. Plans shall comply, to the maximum extent practicable, with any locality's VSMP authority's technical requirements or demonstrate that the locality's VSMP ESC technical requirements are not practicable for the project.

#### **4.3. SWM Plan Requirements**

The SWM plan outlines how stormwater leaving a site after construction will meet the necessary water quality and quantity technical criteria. The SWM plan must include the following:

- 4.3.1. The appropriate technical criteria applied to the entire land disturbing activity (LDA).
- 4.3.2. Consideration of all sources of surface runoff including subsurface flows converted to surface runoff.
- 4.3.3. Information on the type of and location of stormwater discharges, information on the features to which stormwater is being discharged including: Surface waters or karst features, if present, and pre-development and post-development drainage areas.
- 4.3.4. Contact information including: Name, address, telephone number, and email address of the owner Tax reference number and parcel number of the property or properties affected
- 4.3.5. Narrative including description of current site conditions and final site conditions or if allowed by the VSMP authority, the information provided and documented during the review process that addresses the current and final site conditions.
- 4.3.6. General description of the proposed stormwater management facilities and the mechanism through which the facilities will be operated and maintained after construction is complete.
- 4.3.7. Information on the proposed stormwater management facilities, including type of facilities, location, including geographic coordinates, acres treated, surface



waters or karst features into which the facility will discharge. Stormwater facilities shall have unique identifications and referenced in all documentation, (e.g., SWPPP, narrative, construction plans, and calculations sealed by a Virginia Professional Engineer, etc.).

- 4.3.8.** Hydrologic and hydraulic computations, including runoff characteristics. SW calculations include but are not limited to: ditch computations, stormwater routing, storm inlet computations, pipe capacity computations, BMP computations, pond routings and computations, etc.
- 4.3.9.** Profiles shall be included for all closed and open storm systems. The profile shall include the existing surface, final surface, proposed water surface elevations, pipes, pipe crossings, and hydraulic grade line. Surcharges shall be clearly indicated on the profile.
- 4.3.10.** Documentation and calculations verifying compliance with the water quality and quantity requirements of the Stormwater Regulations.
- 4.3.11.** Map(s) of the site that depict the topography of the site and includes all contributing drainage areas, existing streams, ponds, culverts, ditches, wetlands, other water bodies, and floodplains, soil types, karst features if present, forest cover, and other vegetative areas. Current land use including existing structures, roads, and location of known utilities and easements and sufficient information on adjoining parcels to assess the impacts of stormwater from site on these parcels. Limits of clearing and grading, and the proposed drainage patterns on the site, proposed buildings, roads, parking areas, utilities, and stormwater management facilities. Proposed land use with tabulation of the percentage of surface area to be adapted to various uses, including but not limited to planned locations of utilities, roads, and easements.
- 4.3.12.** Plans should also include a detailed landscape plan with a planting schedule.
- 4.3.13.** Project plans shall contain information on maintenance of BMPs.

State Maintenance Agreement: The following information shall be printed on the approved stormwater management plan for state projects:

- a. A description of the requirements for maintenance and maintenance inspection of the stormwater management facilities and a recommended schedule of maintenance inspection and maintenance.
- b. The identification of a person or persons who will be responsible for maintenance inspection and maintenance.
- c. The maintenance inspection schedule and maintenance requirements should be in accordance with the Virginia BMP Clearinghouse, the Virginia SWM Handbook, the MS4 permit (if applicable) and/or the manufacturer's specifications.
- d. Please clearly depict the types of land cover on the site (i.e. different type of hatching for each land cover), including the acreage for each cover type. The acreage should be labeled in all of the subareas and please also provide a table that adds the land cover up by type on the sheet.



- e. Please draw metes and bounds all the way around any conserved open space.
- f. Please label any conserved open space as “Runoff Reduction Compliance Forest / Open Space”
- g. Please include the following note on the sheet: “The Runoff Reduction Compliance Forest/Open Space area shown here shall be maintained in a forest/open space manner until such time that an amended storm water management plan is approved by the VSMP Authority.”

**4.3.14. Long-Term Maintenance Responsibilities**

- a. Responsibility for the operation and maintenance of stormwater management facilities shall remain with the University and shall pass to any successor or owner. If portions of the land are to be sold, legally binding arrangements shall be made to pass the basic responsibility to successors in title. These arrangements shall designate for each state project the property owner, governmental agency, or other legally established entity to be permanently responsible for maintenance.
- b. At a minimum, a stormwater management facility shall be inspected by the University on an annual basis and after any storm which causes the capacity of the facility principal spillway to be exceeded.

**4.3.15.** Record drawings for the plan must be appropriately sealed and signed by a professional registered in Virginia.

**4.3.16.** At the completion of the project, a construction record drawing (“as-built”) for permanent stormwater management facilities must be provided bearing the seal and signature of a Virginia registered professional, certifying that the stormwater management facilities have been constructed in accordance with the approved plan.

**4.3.17.** Plans shall comply, to the maximum extent practicable, with any locality’s VSMP authority’s technical requirements or demonstrate that the locality’s VSMP SWM technical requirements are not practicable for the project.

**4.4. Suggested Plan Sheets (actual sheets may vary accordingly)**

- a) Cover Sheet (General Notes, Vicinity Map)
- b) General Construction Details
- c) Existing Conditions and Grading (2’ contours)
- d) Existing Drainage Divides (include calculated areas, impervious areas, C-values, and soils)
- e) Proposed Site Plan
- f) Proposed Grading Plan (1’-2’ contours; spot elevations @ high/low points and entrances)
- g) Proposed Drainage Divides (include calculated areas, impervious areas, C-values, and soils)
- h) E&S Narrative (Narrative Template)



- i) Phases of ESC w/ Drainage Divides identified per construction phase
- j) ESC/BMP/SWM Details
- k) Stormwater Pipe Profiles (include dimensioned utility crossings)
- l) Stormwater Calculations (ditch comps, pipe comps, inlet comps, pond routings, etc.)
- m) Detailed Landscaping Plan (include planting schedule)

## **5.0 INSPECTIONS AND ENFORCEMENT**

### **5.1. Periodic Inspections**

The Contractor and ESC/SWM Inspector shall perform periodic inspections to ensure all ESC/SWM measures are installed and functioning correctly, and all SWM measures and facilities are being installed correctly, during construction.

- 5.1.1.** Periodic inspections are required on all projects with approved ESC/SWM plans:
- 1. Provide for an inspection during or immediately following initial installation of erosion and sediment controls, at least once in every two-week period, within 48 hours following any runoff producing storm event, and at the completion of the project prior to the release of any performance bonds; or
  - 2. Establish an alternative inspection program which ensures compliance with the approved erosion and sediment control plan. Any alternative inspection program shall be:
    - a. Approved by the board prior to implementation;
    - b. Established in writing;
    - c. Based on a system of priorities that, at a minimum, address the amount of disturbed project area, site conditions and stage of construction; and
    - d. Documented by inspection records.
  - 3. Provide periodic inspections of the installation of stormwater management measures.

### **5.2 Inspection Reports**

The inspection report provided in Appendix F shall be used during each site inspection. All measures shown on the plan shall be inspected. All problems and violations shall be documented on the inspection report. Inspection reports shall specify a corrective action for each problem or violation noted and a date the corrective action must be completed. A copy of the inspection report will be provided to the project staff.

#### **5.2.1 ESC Inspections**

ESC inspections shall use the Inspection report provided in Appendix F on each site inspection visit. All measures shown on the plan shall be inspected. All issues and violations shall be photographed and documented in the report. Critical Areas that require continuous inspections shall also be identified on the site plan. Inspection reports shall specify the required corrective action for each



issue or violation noted and a date by which all corrective actions must be completed. A copy of the Inspection Report will be emailed to the project Contractor.

#### 5.2.2 SW Inspections

SW Inspections shall use the Inspection Report provided in Appendix F to record SW inspections on each site inspection. All stormwater BMPs must be identified on the site plan. As previously addressed, identification of permanent BMPs shall be coordinated with the University's stormwater permits. Critical areas that require continuous inspections shall also be identified on the site plan. Photographs will be taken during the inspection and referenced within the report.

#### 5.2.3 Final Inspections

Project Closeout is defined as the achievement of final stabilization, verification of final product according to approved plans. The Department of Capital Outlay will determine that final stabilization has been achieved. All SWPPP documentation must be complete and provided to the Department of Capital Outlay in print and electronic format prior to permit close out. The final project as-built will be received and the land disturbance/stormwater permit will be closed-out. If deemed appropriate, retainage may be withheld as a performance guarantee for up to 60 days after achievement of final stabilization unless otherwise directed by the Contract.

#### 5.2.4 Post-Construction Inspections

Post-construction inspections shall be made in accordance with the manufacturer's and/or engineer's recommendation, the provisions of these standards and specifications, and in accordance with the University's MS4 Program. University inspectors shall inspect and note items from the stormwater management devices that were identified for cleaning or repair. The inspection requirements shall be provided to the University's Capital Outlay and Facilities Management Departments for the issuance of a work order to complete the activity.

### 5.3 Violations

- 5.3.1 When violations noted on written inspection reports remain during subsequent inspections, a Notice to Comply will be issued by the Department of Capital Outlay. The Notice to Comply will contain specific measures or corrections that need to be made and specify deadlines for completion. Stop Work Orders will be issued when the project has failed to meet the prescribed deadlines in a Notice to Comply; or LDA commenced without an approved plan; or when violations are causing or are in imminent danger or causing harmful erosion.





- 5.3.2 Violations shall be documented in the Inspection Report, including photographs, descriptions, and necessary corrective actions. If a violation continues to be repeated, then a formal Notice of Non-Compliance will be issued, and DEQ will be notified. At the discretion of the Capital Outlay Department, the Land Disturbance/Stormwater Permit may be suspended and/or revoked; at which time all land disturbing activity must cease until the violation(s) of the plan or permit has ceased, corrective action completed, and any related environmental or property damages abated. The University reserves the right to contract with a 3rd party to install and maintain the Erosion and Sediment Control and/or Stormwater Management measures in accordance with the approved plan, complete any necessary corrective actions, and abate any related damages. The Contractor (the officer of the company and senior project officers) shall schedule and meet with the Capital Outlay Department to discuss the violations. After the meeting has been conducted and the site is stabilized to the satisfaction of the Capital Outlay Department, site work may resume. All associated costs will be back-charged to the Contractor. The Stop Work Order will be lifted once the required ESC/SWM measures or corrections are in place and verified by the ESC/SWM Inspector.
- 5.3.3 ESC/SWM Inspectors will also be responsible for responding in a timely manner to reports of alleged violations reported by University staff, or adjacent property owners, or others. Corrective measures if warranted will follow standard procedures as outlined for ESC/SWM inspections.

## **6.0 VARIANCES AND EXCEPTIONS**

Variations and Exceptions to regulations must ensure protection of off-site properties and resources from damage. Economic hardship is not sufficient reason to request a variance or an exception. For a variance and/or exception to become part of a project specific ESC/SWM Plan, a written variance request must be submitted by the Department of Capital Outlay & Facilities for review and approval by DEQ. This request must include an explanation of the reasons for requesting the variance and a description of the specific site conditions necessitating the request. The request must also include a detailed description of the alternative ESC practice and justification that the practice meets the intent of the Minimum Standard for which the variance is sought.

### **6.1. ESC/SWM Variance Request Procedures**

- 6.1.1. The Department of Capital Outlay & Facilities shall coordinate the review and approval of all requested variances with DEQ's ESC/SWM Program representative(s).
- 6.1.2. All requests for project specific variances to VSU's approved Annual Standards and Specifications for ESC/SWM shall be sent by the licensed design professional to the Department of Capital Outlay & Facilities and shall be





accompanied by complete details and documentation, including justification for the requested variance and impacts associated with the variance request. The licensed design professional shall complete the form included in Appendix G.

- 6.1.3. The VSU Program Administrator (or representative) will review the request and determine if the request should be sent to DEQ for further consideration. If the Administrator determines the request should not be sent to DEQ, then the request shall be considered denied.
- 6.1.4. Variance requests will be sent by the Department of Capital Outlay & Facilities to the DEQ Richmond Central Office and to the Virginia Erosion and Sediment Control Program Manager for review and approval, if determined to be appropriate.
- 6.1.5. All requested variances shall be considered unapproved until written approval from DEQ is received.
- 6.1.6. All approved variances shall be listed in the General Notes section of the ESC/SWM construction drawings for land disturbing activities and included in the narrative.

## **6.2. ESC/SWM Exception Request Policy and Procedures:**

- 6.2.1. The Department of Capital Outlay & Facilities shall coordinate the review and approval of all requested exceptions with DEQ's ESC/SWM Program representative(s).
- 6.2.2. All requests for project specific exceptions to VSU's approved Annual Standards and Specifications for ESC/SWM shall be sent by the licensed design professional to the Department of Capital Outlay & Facilities and shall be accompanied by complete details and documentation, including justification for the requested exception and impacts associated with the exception request. The licensed design professional shall complete the form included in Appendix H.
- 6.2.3. The VSU Program Administrator (or representative) will review the request and determine if the request should be sent to DEQ for further consideration. If the Administrator determines the request should not be sent to DEQ, then the request shall be considered denied.
- 6.2.4. Exception requests will be sent by the Department of Capital Outlay & Facilities to the DEQ Richmond Regional Office and to the Virginia Erosion and Sediment Control Program Manager for review and approval, if determined to be appropriate.
- 6.2.5. All requested exceptions shall be considered unapproved until written approval from DEQ is received.
- 6.2.6. All approved exceptions shall be listed in the General Notes section of the ESC construction drawings for land disturbing activities and included in the narrative.

## **6.3. Pre-approved Variances**

The Department of Capital Outlay & Facilities has included as part of the Annual Standards and Specifications for ESC, certain pre-approved deviations for ESC



measures/controls that are not included in the VESCH. Appendix I includes a list of pre-approved deviations for certain ESC measures that may be included as part of the project construction plans, provided the plans contain a detail sheet, inspection instructions, installation instructions, and maintenance instructions. ESC measures/controls not specifically included as part of the approved ESC Plan shall not be used on the project unless the ESC Plan is amended to include the specific ESC measure/control.

Non-VESCH control measures, best management practices (BMP), and specifications have been included in the Annual Standards and Specifications but their use may be further reviewed and approved by the applicable DEQ Regional Office on a project-specific basis.

Should non-VESCH control measures fail to effectively control soil erosion, sediment deposition, and non-agricultural runoff, then VESCH control measures shall be utilized.

## **7.0 LAND-DISTURBING ACTIVITIES**

### **7.1. List of Regulated Land-Disturbing Activities**

**7.1.1.** A list of regulated land-disturbing activities expected to be under contract during the referenced time period are included in Appendix J. The list includes project location, estimated disturbed acreage by watershed, and approximate start and completion dates for each project. Information on specific land-disturbing activities not included on the list will be provided to DEQ no less than two weeks prior to the start of the activity as described in Section 2.4.

### **7.2. Tracking of Regulated Land-Disturbing Activities**

**7.2.1.** The University will track regulated land-disturbing activities through the Capital Outlay Department Permitting process. The Capital Outlay Department shall provide an annual list of proposed projects as related to Erosion and Sediment Control and Stormwater Management. Any changes to the annual list will be updated and forwarded to DEQ.

**7.2.2.** The University will submit annual project tracking to DEQ's Central Office for all regulated land disturbing activities. Information in these records should be the same items within the e-notifications as described in Section 2.7.

## **8.0 DEQ OVERSIGHT OF ANNUAL STANDARDS AND SPECIFICATIONS**

DEQ will provide oversight of the University's implementation of these Annual Standards and Specifications as well as the University's SW/ESC program management in accordance with the following:



## 8.1. DEQ Comment

8.1.1. DEQ shall have sixty days in which to comment on any erosion and sediment control specifications submitted to it for review, and its comments shall be binding on the University and any private business hired by the University.

## 8.2. DEQ Information Request

8.2.1. The University shall ensure compliance with the approved plan and annual standards and specifications. Upon request by the DEQ, the University shall provide a copy of the approved plan sheets and narrative for each regulated land-disturbing activity as outlined in Section 1.1. The University shall provide DEQ with the appropriate information, in a timely manner, when requested.

## 8.3. Additional DEQ Over-Sight Information:

8.3.1. Standards and specifications shall be submitted to DEQ by the University on an annual basis.

### 8.3.2. Enforcement

8.3.2.1. Enforcement shall be administered by the Department and the Board where applicable in accordance with the provisions of this article.

8.3.2.2. The Department and the Board, where applicable, shall provide project oversight and enforcement as necessary and comprehensive program compliance review and evaluation. The Department may take enforcement actions in accordance with this article and related regulations.

### 8.3.3. Complaints and Inspections

8.3.3.1. The Department shall perform random site inspections or inspections in response to a complaint to assure compliance with this article, the Erosion and Sediment Control Law, and regulations adopted thereunder.

### 8.3.4. Fees

8.3.4.1. The Department shall assess an administrative charge to cover the costs of services rendered associated with its responsibilities pursuant to this section.

8.3.4.2. The Board shall have the authority to enforce approved specifications and charge fees equal to the lower of (i) \$1,000 or (ii) an amount sufficient to cover the costs associated with standard and specification review and approval, project inspections, and compliance.

8.3.5. DEQ Discretionary requirements. *All linear project entities are required to include the following two discretionary requirements in their annual standards and specifications. Two Discretionary Requirements:*

- 1) Inspection reports conducted by VSU as well as complaint logs and complaint responses may be required to be submitted to DEQ.
- 2) VSU may be required to provide weekly e-reporting to the department's applicable regional office:
  - i. Inspection reports;
  - ii. Pictures;
  - iii. Complaint logs and complaint responses; and
  - iv. Other compliance documents.



## APPENDIX A

### ESC PLAN PREPARATION & REVIEW CHECKLIST



## ESC PLAN PREPARATION & REVIEW CHECKLIST

The following checklist shall be completed prior to submitting the project specific Erosion and Sediment Control Plan. This completed checklist shall be included with the SWPPP immediately after the SWPPP Title Page.

- \_\_\_\_\_ Minimum Standards – All applicable Minimum Standards must be addressed
- \_\_\_\_\_ Construction Sequence – A sequence of operations shall be defined on the construction plans with staged implementation of erosion and sediment control measures for each phase.

### NARRATIVE

- \_\_\_\_\_ Project description - Briefly describes the nature and purpose of the land disturbing activity, and the area (acres) to be disturbed.
- \_\_\_\_\_ Existing site conditions - A description of the existing topography, vegetation and drainage.
- \_\_\_\_\_ Adjacent areas - A description of neighboring areas such as streams, lakes, residential areas, roads, *etc.*, which might be affected by the land disturbance.
- \_\_\_\_\_ Off-site areas - Describe any off-site land-disturbing activities that will occur (including borrow sites, waste or surplus areas, *etc.*). Will any other areas be disturbed?
- \_\_\_\_\_ Soils - A brief description of the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture and soil structure.
- \_\_\_\_\_ Critical areas - A description of areas on the site which have potentially serious erosion problems (*e.g.*, steep slopes, channels, wet areas, streams, underground springs, *etc.*).
- \_\_\_\_\_ Erosion and sediment control measures - A description of the methods which will be used to control erosion and sedimentation on the site (Controls should meet the specifications in Chapter 3 of the VESCH, latest edition).
- \_\_\_\_\_ Permanent stabilization - A brief description, including specifications, of how the site will be stabilized after construction is completed.
- \_\_\_\_\_ Stormwater runoff considerations - Will the developed site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? Describe the strategy to control stormwater runoff.
- \_\_\_\_\_ Maintenance - A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.
- \_\_\_\_\_ Calculations - Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, *etc.* Include calculations for pre- and post-development runoff.



## **CONSTRUCTION PLAN**

- \_\_\_\_\_ Vicinity map - A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.
- \_\_\_\_\_ Indicate north - The direction of north in relation to the site.
- \_\_\_\_\_ Limits of clearing and grading – Areas which are to be cleared and graded.
- \_\_\_\_\_ Existing contours - The existing contours of the site.
- \_\_\_\_\_ Final contours - Changes to the existing contours, including final drainage patterns.
- \_\_\_\_\_ Existing vegetation - The existing tree lines, grassed areas, or unique vegetation.
- \_\_\_\_\_ Soils - The boundaries of different soil types.
- \_\_\_\_\_ Existing drainage patterns - The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area.
- \_\_\_\_\_ Critical erosion areas - Areas with potentially serious erosion problems (Refer to VESCH, Chapter 6 for criteria).
- \_\_\_\_\_ Site Development - Show all improvements such as buildings, parking lots, access roads, utility construction, *etc.*
- \_\_\_\_\_ Location of practices - The locations of erosion and sediment controls and stormwater management practices used on the site (*e.g.* stockpile/laydown locations, temporary/permanent seeding, inlet protection, *etc.*). Use the standard symbols and abbreviations in Chapter 3 of the VESCH.
- \_\_\_\_\_ Off-site areas - Identify any off-site land-disturbing activities (*e.g.*, borrow sites, waste areas, *etc.*). Show location of erosion controls. (Is there sufficient information to assure adequate protection and stabilization?)
- \_\_\_\_\_ Detail Drawings – Any structural practices used that are not referenced to the VESCH or local handbooks should be explained and illustrated with detail drawings.

## **MINIMUM STANDARDS**

- \_\_\_\_\_ MS-1 – Temporary and permanent stabilization of denuded areas within 7 days
- \_\_\_\_\_ MS-2 – Protection or stabilization of on-site and off-site soil stockpiles and borrow areas
- \_\_\_\_\_ MS-3 – Permanent vegetative stabilization of denuded areas not otherwise stabilized
- \_\_\_\_\_ MS-4 – Install erosion and sediment controls as the first step in land-disturbing activity



- \_\_\_\_\_ MS-5 – Earthen controls and structures stabilized immediately upon installation
- \_\_\_\_\_ MS-6 – Trap and Basin design
  - Trap: < 3 acres total drainage area, 134 cubic yards per acre storage
  - Basin: 3 acres or more total drainage area, 134 cubic yards per acre storage, safely handle a 25-year, 24-hour storm event
- \_\_\_\_\_ MS-7 – Design and construction of cut and fill slopes
- \_\_\_\_\_ MS-8 – Concentrated flow down cut and fill slopes
- \_\_\_\_\_ MS-9 – Slopes protected from seeps
- \_\_\_\_\_ MS-10 – Operational stormwater inlets must be protected
- \_\_\_\_\_ MS-11 – Outlets must be protected and stormwater conveyance channels stabilized before being made operational
- \_\_\_\_\_ MS-12 – Minimize impacts when working in and around live watercourses
- \_\_\_\_\_ MS-13 – Temporary vehicular stream crossings for more than 2 trips in 6 months
- \_\_\_\_\_ MS-14 – Other federal, state, and local regulations pertaining to work in live watercourses (Required permits COE, DEQ, VPDES, etc.)
- \_\_\_\_\_ MS-15 – Stabilize disturbed bed and banks of watercourses
- \_\_\_\_\_ MS-16 – Utility installations (< 500 feet open trench, stockpile upgradient, filter dewatering effluent, backfill and compact, other safety requirements)
- \_\_\_\_\_ MS-17 – Keep paved or public areas clean
- \_\_\_\_\_ MS-18 – Remove temporary controls within 30 days when no longer needed
- \_\_\_\_\_ MS-19 – Address increases in stormwater volume, velocity, and peak runoff

**PROJECT NAME:** \_\_\_\_\_ **SUBMITTAL#:** \_\_\_\_\_

**PLANS DATED:** \_\_\_\_\_ **NARRATIVE DATED:** \_\_\_\_\_

Print	Professional's Signature	Date
-------	--------------------------	------





## APPENDIX B

### SWM PLAN PREPARATION & REVIEW CHECKLIST



## **SWM PLAN PREPARATION & REVIEW CHECKLIST**

The following checklist shall be completed prior to submitting the project specific Stormwater Management Plan. This completed checklist shall be included with the SWPPP immediately after the SWPPP Title Page.

<b>SW General (9VAC25-870-55 and 9VAC25-870-160):</b>	<b>YES</b>	<b>NO</b>
Title Page including Project, Contract Number, and Date.	<input type="checkbox"/>	<input type="checkbox"/>
Virginia Professional Engineer Seal	<input type="checkbox"/>	<input type="checkbox"/>
Stormwater Narrative (within plans) to Include:		
• Pre and post site conditions	<input type="checkbox"/>	<input type="checkbox"/>
• Disturbed area	<input type="checkbox"/>	<input type="checkbox"/>
• Existing and proposed impervious areas including a net change in impervious calculation	<input type="checkbox"/>	<input type="checkbox"/>
• VSMP authority	<input type="checkbox"/>	<input type="checkbox"/>
Stormwater Plans to include:		
• SW facility locations and descriptions	<input type="checkbox"/>	<input type="checkbox"/>
• Location of all SWM discharges	<input type="checkbox"/>	<input type="checkbox"/>
• Acres treated by SWM facility	<input type="checkbox"/>	<input type="checkbox"/>
• Pre/Post Drainage maps	<input type="checkbox"/>	<input type="checkbox"/>
• Limits of clearing and grading	<input type="checkbox"/>	<input type="checkbox"/>
• Information on adjoining parcels	<input type="checkbox"/>	<input type="checkbox"/>
• Location of wetlands or other sensitive habitat within the project	<input type="checkbox"/>	<input type="checkbox"/>
• Description, type, and schedule of stabilization practices provided	<input type="checkbox"/>	<input type="checkbox"/>
Hydrologic and hydraulic calculations (i.e. Drainage area calcs, storm design/HGL calcs, Pondpack Routings Compliance calculations for water quality and quantity (IIB or IIC)	<input type="checkbox"/>	<input type="checkbox"/>
All sources of runoff converted to surface runoff	<input type="checkbox"/>	<input type="checkbox"/>
Soil stockpile stabilization addressed	<input type="checkbox"/>	<input type="checkbox"/>
Designated a qualified individual to inspect all BMPs	<input type="checkbox"/>	<input type="checkbox"/>



Included name and telephone number for the qualified person

Post construction maintenance requirements provided.

**PLAN IN COMPLIANCE WITH:**

Part IIB

Water quality design criteria (9VAC25-870-63)

Water quality compliance criteria (9VAC25-870-65)

Water quantity criteria (9VAC25-870-66)

Offsite compliance options criteria (9VAC25-870-69)

*OR, Part IIC*

Water quality design criteria (9VAC25-870-96)

Stream channel erosion (9VAC25-870-97)

Flooding (9VAC25-870-98)

Regional Stormwater Management Plans (9VAC25-870-99)

**PROJECT NAME:** \_\_\_\_\_ **SUBMITTAL#:** \_\_\_\_\_

**PLANS DATED:** \_\_\_\_\_ **NARRATIVE DATED:** \_\_\_\_\_

\_\_\_\_\_  
Print

\_\_\_\_\_  
Professional's Signature

\_\_\_\_\_  
Date



## APPENDIX C

UTILIZED WATER QUALITY CREDITS FROM  
REGIONAL BMPS



## Utilized Water Quality Credits from “Regional” BMPs

VSU Projects	Water Quality Credits Used (lbs/yr)	Water Quality Credits Available (lbs/yr)
Campus Nutrient Credit Bank <sup>1</sup>	-	24.23

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<sup>1</sup> As documented in the *Virginia State University Stormwater Master Plan – Addendum*, prepared April 9, 2018.



## APPENDIX D

STANDARD STORM WATER POLLUTION  
PREVENTION (SWPPP) TEMPLATE



## APPENDIX E

### STANDARD STORM WATER POLLUTION PREVENTION SPECIFICATION





## SECTION 31 2514 - STORM WATER POLLUTION PREVENTION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings, Contract and Special Provisions, Supplementary Conditions, latest version of the Virginia Erosion and Sediment Control Handbook, latest version of the applicable Stormwater Management Handbook, and other Division *[List Section Number Here]* Specifications apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes instruction for completion and maintaining a Storm Water Pollution Prevention Plan (SWPPP). The campus-wide SWPPP template provided by the A/E shall be used and updated accordingly when work is performed within the campus MS4 Boundary.
- B. Related Sections
  1. Division *[List Section Number Here]* Section *[List Section Name Here]*

#### 1.3 DEFINITIONS

- A. CWA- Clean Water Act means the law passed by the Congress of the United States in 1972 controlling the Discharge of Pollutants into the Nation's waterways.
- B. BMP- Best Management Practices are defined as anyone or group of management practices, activities, policies, equipment, and structures that will: prevent pollutants from entering the environment, minimize pollutants from entering the environment, and mitigate, reduce, and treat prior to the pollutant entering the environment.
- C. NPDES- National Pollutant Discharge Elimination System is the national program for issuing, modifying, revoking, reissuing, terminating, monitoring and enforcing permits pursuant to sections 402, 318, and 405 of the CWA.
- D. VDEQ- Virginia Department of Environmental Quality is the agency of the Commonwealth of Virginia that manages the Commonwealth of Virginia's environmental regulations.
- E. VPDES- Virginia Pollutant Discharge Elimination System is the Commonwealth of Virginia program and regulations that describe the proper management of discharges of pollutants into the waters of the Commonwealth of Virginia.



## 1.4 Submittals

- A. Storm Water Pollution Prevention Plan (SWPPP) – Using the campus wide SWPPP template provided by the A/E, complete the Contractor sections in accordance with the information provided below and submit for written approval by the University. In addition, the SWPPP will serve as the Soil Erosion and Sediment Control Plan required as a condition of the University's issuance of a Land Disturbance/Stormwater Permit by the University's Capital Outlay Department. Issuance of this Land Disturbance/Stormwater Permit is required prior to initiation of any project construction.
  - 1. Complete the SWPPP Coordinator section
  - 2. Complete the Qualified Personnel section (Appendix 5)
  - 3. Complete the Pollution Prevention Plan section or create and P2 Plan Sheet illustrating all areas of potential pollutant discharge (Appendix 8)
  
- B. The University has acquired a single Virginia Storm Water Management Program (VSMP) general construction permit registration from the Virginia Department of Environmental Quality (DEQ) to cover construction activities within the MS4 boundary. The contractor is responsible for compliance with all provisions of the VSMP permit on the University's behalf. The contractor will use the campus-wide SWPPP template and will be responsible for maintaining the current SWPPP documentation listed below for this project.
  - 1. Record of all land disturbance (Appendix 4)
  - 2. Record of regularly performed inspections (Appendix 4)
  - 3. Record of corrective actions taken (Appendix 4)
  - 4. Record of SWPPP amendments, modifications and updates (Appendix 10)
  
- C. Within 30 days of project stabilization, and in lieu of submitting the Notice of Project Termination, all hardcopy records and an electronic record of the SWPPP information will be provided to the University for their documentation purposes.
  
- D. Immediately notify the University of any changes that affect the information on the registration statement, permit fee form, and/or permit coverage. The University will then notify the DEQ with this information by sending it to [constructionGP@deq.virginia.gov](mailto:constructionGP@deq.virginia.gov).

## 1.5 Quality Assurance

- A. Prepare and submit the SWPPP with input from each subcontractor.

## PART 2 - PRODUCTS

### 2.1 General

- A. Provide erosion and sediment control devices and products as indicated, in accordance with the SWPPP and in accordance with the latest updated version of the Virginia Erosion and Sediment Control Handbook.



## PART 3 - EXECUTION

### 3.1 Implementation

- A. Implement and maintain the approved SWPPP throughout the life of the contract in accordance with provisions of the Virginia Erosion and Sediment Control Handbook, the applicable Stormwater Management Handbook, and applicable contract documents.
- B. Exercise every reasonable precaution, including temporary and permanent measures, throughout the duration of the project to control erosion and prevent or minimize pollution of rivers, streams, lakes and other receiving waters. Apply siltation and stabilization control measures to material, subject to erosion, exposed by any activity associated with construction including but not limited to local material sources, stockpiles, disposal areas, and haul roads.
- C. Initiate stabilization measures as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased but no later than 14 days after the construction activities have temporarily or permanently ceased. Except as provided in the following paragraphs:
  - 1. If snow cover and or severe weather conditions preclude initiation of the stabilization measures by the 14th day after construction activities have ceased, either temporarily or permanently, the stabilization practices shall be initiated as soon as practicable.
  - 2. If construction activities resume on a portion of the site within 21 days from the date that construction activities have temporarily ceased, then stabilization practices need not be initiated on that particular portion of the site by the 14th day after construction activities have temporarily ceased.
- D. Be solely responsible for complying with the soil erosion, sedimentation control and good housekeeping requirements of this Contract, and for otherwise preventing contamination of stormwater from construction activities. Be solely responsible for any and all fines, penalties or damage that result from the Contractor's failure to comply.

### 3.2 Erosion and Siltation Control:

- A. Control erosion and siltation through the use of the devices and measures specified herein, in the approved SWPPP or as is otherwise necessary. The University reserves the right to require other temporary measures not specifically described herein to correct an erosion or siltation condition.
- B. Maintenance: Maintain erosion and siltation control devices and measures in a functional condition at all times. Inspect temporary and permanent erosion and sedimentation control measures after each rainfall and at least daily during periods of prolonged rainfall. Correct deficiencies immediately. Make a daily review of the location of erosion and sediment control devices to ensure that they are properly located for effectiveness. Where deficiencies exist, make corrections immediately as approved or directed by the University.



## PART 4 - CONTRACTOR'S QUALITY CONTROL

### 4.1 Field Quality Control

- A. Conform to all applicable provisions of Division *[List Section Number Here]* Section *[List Section Name Here]*. Perform regular inspections in accordance with the approved SWPPP. The results of the regular inspections shall be submitted to the University upon completion.



## APPENDIX F

ESC & SWM INSPECTION REPORTS



## ESC/SWM INSPECTION REPORT

(To be completed by VSU DEQ-Certified personnel, and where VSU is the GCP Holder)

Project Name: \_\_\_\_\_ Project Authority: \_\_\_\_\_  
 RLD Name: \_\_\_\_\_ RLD No. \_\_\_\_\_  
 Project Location: \_\_\_\_\_ Project No: \_\_\_\_\_  
 Inspector Name: \_\_\_\_\_ Inspection Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Most Recent Measurable Storm Event: Date: \_\_\_\_\_ Amount: \_\_\_\_\_

Previous violation(s) been corrected:  YES or  NO

### STAGE OF CONSTRUCTION

Pre-Construction Conference  Building Construction  Construction of SWM Facilities   
 Clearing & Grubbing  Finish Grading  Maintenance of SWM Facilities   
 Rough Grading  Final Stabilization  Other \_\_\_\_\_

Item#	State/Local Regulation <sup>(1)</sup>	Violation		Description and Location of Problem/Violation <sup>(2)</sup> , Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC and SWM
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: \_\_\_\_\_ Re-inspection Date: \_\_\_\_\_  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: \_\_\_\_\_  
Signature and DEQ Certificate Number Date

Acknowledgement of on-site report receipt: \_\_\_\_\_  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:  
 \_\_\_\_\_  
 \_\_\_\_\_





## ESC/SWM INSPECTION REPORT, continued

(To be completed by VSU DEQ-Certified personnel)

Project Name: \_\_\_\_\_ Project Authority: \_\_\_\_\_

Item#	State/Local Regulation <sup>(1)</sup>	Violation		Description and Location of Problem/Violation <sup>(2)</sup> , Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC and SWM
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

*Acknowledgement of on-site report receipt:* \_\_\_\_\_

*Print Name*
*Signature*
*Date*

*This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:*

\_\_\_\_\_

\_\_\_\_\_



## APPENDIX G

VARIANCE REQUEST FORM



**Capital Outlay & Facilities**  
PO Box 9414  
VSU, VA 23806  
Phone: (804)-504-7500  
Fax: (804)-524-5383

## VARIANCE REQUEST

Requested by: \_\_\_\_\_ Date: \_\_\_\_\_

Street Address: \_\_\_\_\_

City/Town/Zip: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Project Name/Location: \_\_\_\_\_

\_\_\_\_\_

Project Description: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Variance requested for (state appropriate minimum standard & requirement): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Reasons/Justification for Variance Request and Specific Site Conditions Necessitating the

Request: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Designers Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of applicant: \_\_\_\_\_ Date: \_\_\_\_\_

*Providing supporting documentation (sketches, calculations, etc...) as necessary to support request  
(NOTE: All approved Variance Requests will be considered part of the ESC/SWM Plan.)*



## APPENDIX H

EXCEPTION REQUEST FORM



## EXCEPTION REQUEST

Requested by: \_\_\_\_\_ Date: \_\_\_\_\_

Street Address: \_\_\_\_\_

City/Town/Zip: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Project Name/Location: \_\_\_\_\_

\_\_\_\_\_

Project Description: \_\_\_\_\_

\_\_\_\_\_

Exception requested for (state appropriate minimum standard & requirement): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Reasons/Justification for Exception Request and Specific Site Conditions Necessitating the Request: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mitigating Measures: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Designers Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of applicant: \_\_\_\_\_ Date: \_\_\_\_\_

*Providing supporting documentation (sketches, calculations, etc...) as necessary to support request  
(NOTE: All approved Exception Requests will be considered part of the ESC/SWM Plan.)*



**Capital Outlay & Facilities**  
PO Box 9414  
VSU, VA 23806  
Phone: (804)-504-7500  
Fax: (804)-524-5383



# APPENDIX I

## PRE-APPROVED DEVIATIONS



## SUMMARY OF PRE-APPROVED NON-VESCH PROPRIETARY CONTROL MEASURES

Practice	Definition	Purpose	Conditions where practice applies	Planning Considerations	Design Criteria	Construction Specifications	Design Tables and Plates	Maintenance	Inspections
VSU-VAR01: DANDY CURB BAG®	Note 1	Note 1	DI-2, curb drop inlet (with grate) downstream of disturbance.	Light sediment accumulation expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR02: DANDY BAG®	Note 1	Note 1	DI-1, drop inlet (yard grate) downstream of disturbance.	Light sediment accumulation expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR03: DANDY CURB®	Note 1	Note 1	DI-3, curb inlet downstream of disturbance.	Light sediment accumulation expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR04: DANDY SACK®	Note 1	Note 1	DI-1, drop inlet (yard grate) downstream of disturbance.	Heavy sediment accumulation expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR05: DANDY CURB SACK®	Note 1	Note 1	DI-2, curb drop inlet (with grate) downstream of disturbances.	Heavy sediment accumulation expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR06: DANDY POP®	Note 1	Note 1	DI-1, drop inlet (yard grate) downstream of disturbance.	Heavy ponding expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR07: DANDY DEWATERING BAG™	Note 1	Note 1	When dewatering trenches or basins.		Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR08: GUTTER BUDDY™	Note 1	Note 1	DI-3, curb inlet downstream of disturbance.	Light sediment accumulation expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR09: SILT SACK®	Note 1	Note 1	DI-7, drop inlet (yard grate) downstream of disturbance.	Heavy sediment accumulation expected.	Note 3	Note 2	Note 6	Note 4	Note 5
VSU-VAR10: AlturMats® & VersaMats®	Ground protection mat	Prevent ground compression and rutting	Heavy equipment travel lanes over natural ground where installation of stone construction entrance is not practical.	Needed to prevent damage during heavy equipment travel over fragile or soft natural ground.	Size based on needed travel lane width.	½" thick polyethylene	Note 6	No maintenance required, replace mats as needed.	Note 5

**Notes**

- 1: See product specification sheet, Section 1 – Description.
- 2: See product specification sheet, Section 2 – Material.
- 3: See product specification sheet, Section 3 – Installation.
- 4: See product specification sheet, Section 4 – Maintenance.
- 5: After each storm event and at regular intervals
- 6: See end of product specification sheet.



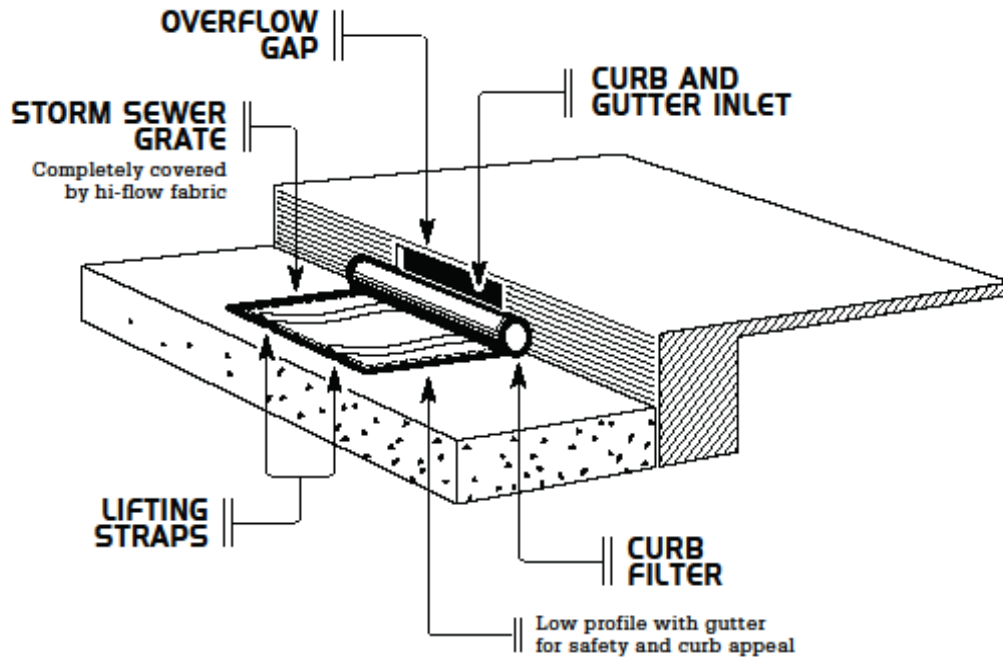


Capital Outlay & Facilities  
PO Box 9414  
VSU, VA 23806  
Phone: (804)-504-7500  
Fax: (804)-524-5383

## VSU-VAR01: DANDY CURB BAG®



### ▶ **DANDY CURB BAG™** ◀





## DANDY CURB BAG® CURB AND GUTTER INLET/GRATE PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY CURB BAG®

MANUFACTURER: Dandy Products, Inc.  
 P.O. Box 1980  
 Westerville, Ohio 43086  
 Phone: 800-591-2284  
 Fax: 740-881-2791  
 E-mail: [dlc@dandyproducts.com](mailto:dlc@dandyproducts.com)  
 Web: [www.dandyproducts.com](http://www.dandyproducts.com)

**1.0 Description:**

1.1 Work covered under this item consists of installing a Dandy Curb Bag® curb and gutter inlet protection system. The purpose is to keep silt, sediment and construction debris out of the storm water system.

**2.0 Material:**

- 2.1 The Dandy Curb Bag® curb and gutter inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric unit enclosing a porous structure in the form of a cylindrical tube placed in front of and extending beyond the inlet opening on both sides and have a geotextile fabric envelope fitted to the individual grate(s) on the street side of the sewn unit for grate(s) to be inserted and to completely enclose the grate(s).
- 2.2 The Dandy Curb Bag® shall have lifting devices to allow manual inspection of the storm water system.
- 2.3 The Dandy Curb Bag® unit shall utilize an orange monofilament fabric that is manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab Tensile Strength	ASTM D 4632	lbs	450 x 300
Grab Tensile Elongation	ASTM D 4632	%	40 x 25
Puncture Strength	ASTM D 4833	lbs	130
Mullen Burst Strength	ASTM D 3786	psi	600
Trapezoid Tear Strength	ASTM D 4533	lbs	165 x 150
% Open Area (POA)	COE - 22125-86	%	28
Apparent Opening Size	ASTM D 4751	US Std Sieve	30
Permittivity	ASTM D 4491	sec <sup>1</sup>	3.5
Permeability	ASTM 4491	cm/sec	0.25
Water Flow Rate	ASTM 4491	gal/min/ft <sup>2</sup>	250
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange <sup>1</sup>

<sup>1</sup>The color orange is a trademark of Dandy Products, Inc.  
 The property values listed above are effective October 2010 and are subject to change without notice.



**3.0 Installation:**

- 3.1 Place the empty Dandy Curb Bag® unit over the grate as the grate stands on end.
- 3.2 *For oil and sediment model; to install or replace absorbent, place absorbent pillow in pouch, on the bottom (below-grade side) of the unit.*
- 3.3 Tuck the enclosure flap inside to completely enclose the grate.
- 3.4 Holding the lifting devices, being careful not to damage the sewn fabric unit, insert the grate into its frame, street side edge first, then lower back edge with cylindrical tube into place. The cylindrical tube should be partially blocking the curb hood opening when installed properly.

**4.0 Maintenance:**

- 4.1 The contractor shall remove all accumulated sediment and debris from surface and vicinity of unit after each rain event or as directed by engineer/inspector. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.
- 4.2 *For oil and sediment model; remove and replace absorbent when near saturation.*

**5.0 Method of Measurement:**

- 5.1 The quantity to be paid is for the actual number of Dandy Curb Bag® inlet protection units installed.

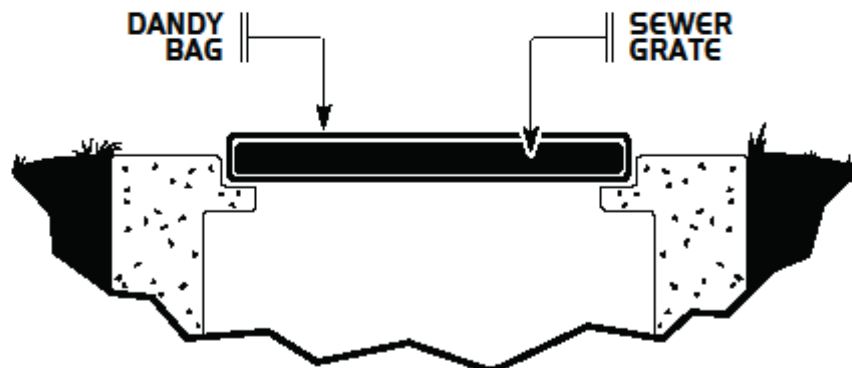
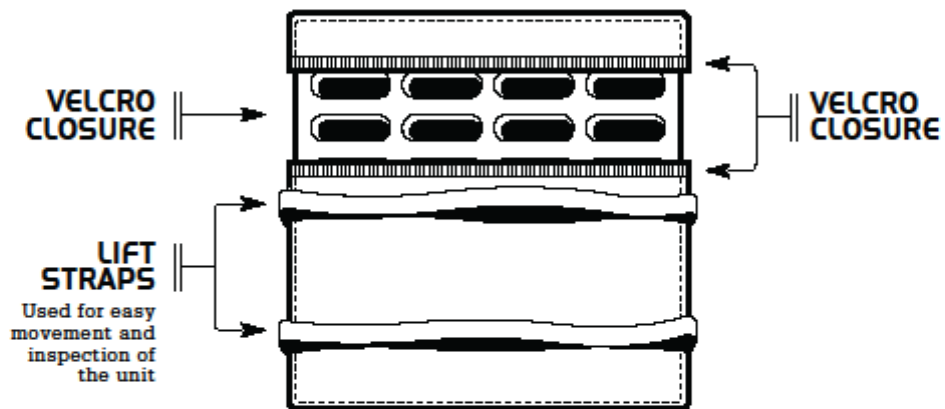
**6.0 Basis of payment:**

- 6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the Dandy Curb Bag® inlet protection units.
- 6.2 Payment for the completed work will be made at the contract prices for:

<u>ITEM</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
Dandy Curb Bag®	EA	Curb Inlet Protection Unit (#_____Inlet)



## VSU-VAR02: DANDY BAG®





## DANDY BAG® INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY BAG®  
 MANUFACTURER: Dandy Products Inc.  
 P.O. Box 1980  
 Westerville, Ohio 43086  
 Phone: 800-591-2284  
 Fax: 740-881-2791  
 E mail: [dlc@dandyproducts.com](mailto:dlc@dandyproducts.com)  
 Web: [www.dandyproducts.com](http://www.dandyproducts.com)

### 1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Bag® inlet protection system. The purpose is to keep silt, sediment and construction debris out of the storm water system.

### 2.0 Material:

- 2.1 The Dandy Bag® inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric unit fitted to the individual grate(s) and completely enclosing the grate(s).
- 2.2 The Dandy Bag® shall have lifting devises to allow manual inspection of the storm water system.
- 2.3 The Dandy Bag® unit shall utilize an orange monofilament fabric manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab Tensile Strength	ASTM D 4632	lbs	450 X 300
Elongation	ASTM D 4632	%	40% X 25%
Puncture Strength	ASTM D 4833	lbs	130
Mullen Burst Strength	ASTM D 3786	psi	600
Trapezoid Tear Strength	ASTM D 4533	lbs	165 x 150
% Open Area (POA)	COE - 22125-86	%	28
Apparent Opening Size	ASTM D 4751	US Std Sieve	30
Permittivity	ASTM D 4491	sec <sup>1</sup>	3.5
Permeability	ASTM 4491	cm/sec	0.25
Water Flow Rate	ASTM 4491	gal/min/ft <sup>2</sup>	250
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange <sup>1</sup>

<sup>1</sup>The color orange is a trademark of Dandy Products, Inc.  
 The property values listed above are effective October 2010 and are subject to change without notice.

### 3.0 Installation:

- 3.1 Place the empty Dandy Bag® over the grate as the grate stands on end.
- 3.2 *For oil and sediment model; to install or replace absorbent, place absorbent pillow in pouch, on the bottom (below-grade side) of the unit.*



- 3.3 Tuck the enclosure flap inside to completely enclose the grate.
- 3.3 Holding the lifting devices, insert the grate into the inlet being careful not to damage the Dandy Bag® unit.

**4.0 Maintenance:**

- 4.1 The contractor shall remove all accumulated sediment and debris from surface and vicinity of unit after each rain event or as directed by engineer/inspector. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.
- 4.2 *For oil and sediment model; remove and replace absorbent when near saturation.*

**5.0 Method of Measurement:**

- 5.1 The quantity to be paid is for the actual number of Dandy Bag® inlet protection units installed.

**6.0 Basis of Payment:**

- 6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the Dandy Bag® inlet protection units.
- 6.2 Payment for the completed work will be made at the contract prices for:

ITEM	UNIT	DESCRIPTION
Dandy Bag®	EA	Inlet Protection Unit (#_____Inlet)

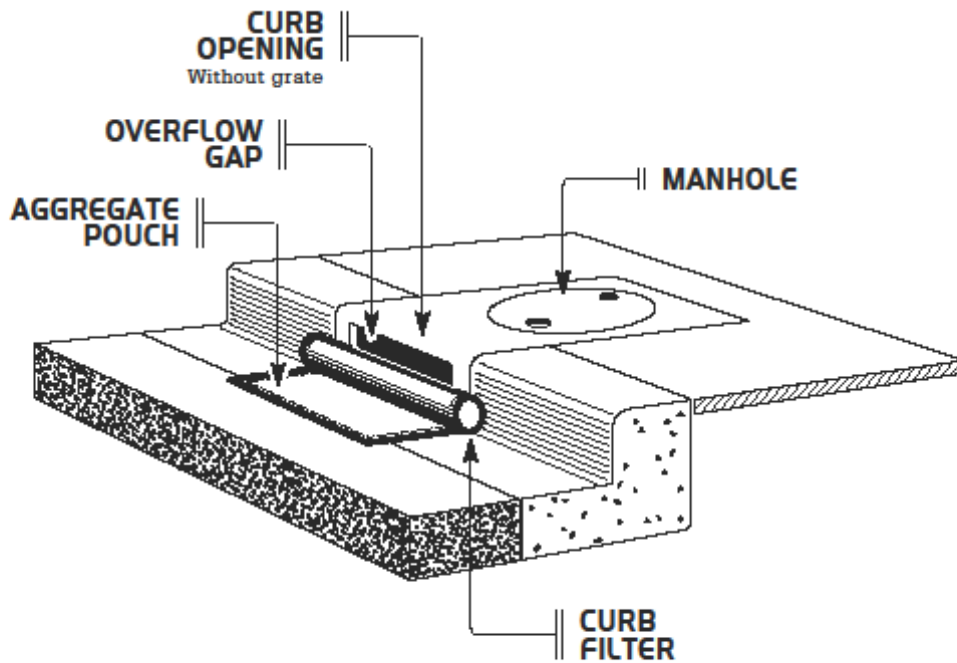




## VSU-VAR03: DANDY CURB®



### ▶ **DANDY CURB™** ◀







## DANDY CURB® GRATELESS CURB INLET AND MEDIAN BARRIER INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY CURB®  
 MANUFACTURER: Dandy Products Inc.  
 P.O. Box 1980  
 Westerville, Ohio 43086  
 Phone: 800-591-2284  
 Fax: 740-881-2791  
 E mail: [dlc@dandyproducts.com](mailto:dlc@dandyproducts.com)  
 Web: [www.dandyproducts.com](http://www.dandyproducts.com)

### 1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Curb® inlet protection system for inlets and median barrier inlets without grates. The purpose is to keep silt, sediment and construction debris out of the storm system.

### 2.0 Material:

- 2.1 The Dandy Curb® inlet protection system shall be a **sewn in the U.S.A.** fabric unit enclosing a porous structure in the form of a cylindrical tube placed in front of and extending beyond the inlet opening on both sides.
- 2.2 The Dandy Curb® inlet protection system shall have a pouch on the street side of the sewn unit for aggregate or other material to hold the unit in place.
- 2.3 The Dandy Curb® unit shall utilize an orange monofilament fabric that is manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab Tensile Strength	ASTM D 4632	lbs	450 x 300
Grab Tensile Elongation	ASTM D 4632	%	40 x 25
Puncture Strength	ASTM D 4833	lbs	130
Mullen Burst Strength	ASTM D 3786	psi	600
Trapezoid Tear Strength	ASTM D 4533	lbs	165 x 150
% Open Area (POA)	COE - 22125-86	%	28
Apparent Opening Size	ASTM D 4751	US Std Sieve	30
Permittivity	ASTM D 4491	sec <sup>1</sup>	3.5
Permeability	ASTM 4491	cm/sec	0.25
Water Flow Rate	ASTM 4491	gal/min/ft <sup>2</sup>	250
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange <sup>1</sup>

<sup>1</sup>The color orange is a trademark of Dandy Products, Inc.  
 The property values listed above are effective October 2010 and are subject to change without notice.

### 3.0 Installation:

3.1 Place Dandy Curb® inlet protection unit on ground with aggregate pouch on street side near inlet it will be installed on.



- 3.2 *For oil and sediment model, to install or replace absorbent, place absorbent sock in pouch.*
- 3.3 Fill pouch with aggregate such as #5-7, 8's or similar to a level (at least ½ full) that will keep unit in place during a rain event and create a seal between the Dandy Curb® and the surface of the street. Reseal Velcro access.
- 3.4 Center the unit against curb or median inlet opening so that the curb side of the unit creates a seal with the curb or median barrier and inlet structure. There will be approximately twelve (12) inches of the inlet protection unit overhanging on each side of the opening. If the unit is not installed in this manner, it will not function properly.

**4.0 Maintenance:**

- 4.1 The contractor shall remove all accumulated sediment and debris from surface and vicinity of unit after each rain event or as directed by engineer/inspector. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.
- 4.2 *For oil and sediment model; remove and replace absorbent when near saturation.*

**5.0 Method of Measurement:**

- 5.1 The quantity to be paid is for the actual number of Dandy Curb® inlet protection units installed.

**6.0 Basis of payment:**

- 6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the True Dam® inlet protection units.
- 6.2 Payment for the completed work will be made at the contract prices for:

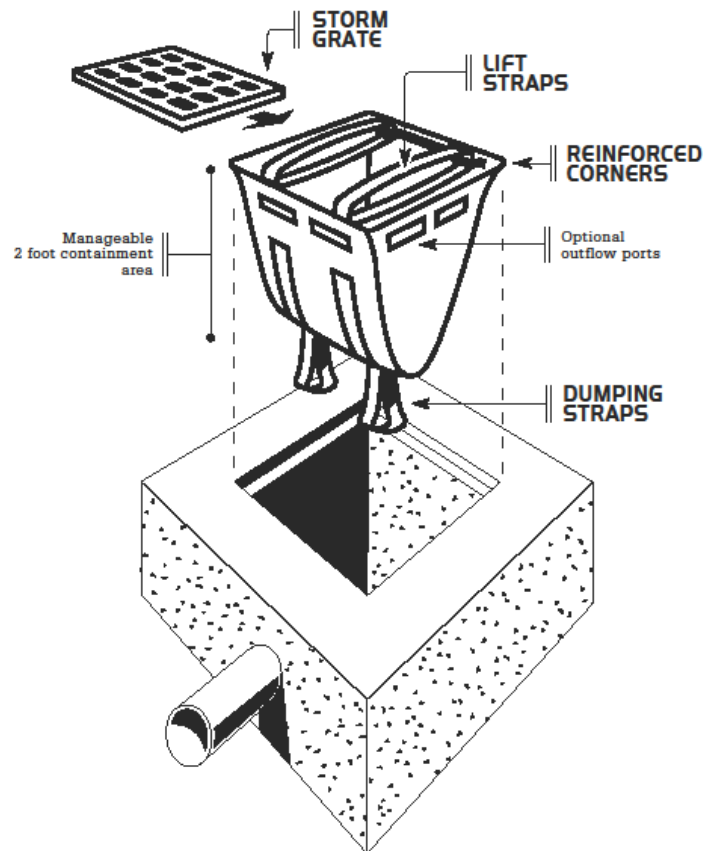
ITEM	UNIT	DESCRIPTION
Dandy Curb®	EA	Inlet Protection Unit (# _____ Inlet)



## VSU-VAR04: DANDY SACK®



### ▶ DANDY SACK™ ◀





## DANDY SACK® INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY SACK®  
 MANUFACTURER: Dandy Products Inc.  
 P.O. Box 1980  
 Westerville, Ohio 43086  
 Phone: 800-591-2284  
 Fax: 740-881-2791  
 E mail: [dlc@dandyproducts.com](mailto:dlc@dandyproducts.com)  
 Web: [www.dandyproducts.com](http://www.dandyproducts.com)

### 1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Sack® inlet protection system. The purpose is to keep silt, sediment and construction debris out of the storm water system.

### 2.0 Material:

2.1 The Dandy Sack® inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric unit.

2.2 The Dandy Sack® shall have lifting straps to allow removal of the unit and manual inspection of the storm water system.

2.3 The Dandy Sack® unit shall utilize an orange monofilament fabric that is manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab Tensile Strength	ASTM D 4632	lbs	450 x 300
Grab Tensile Elongation	ASTM D 4632	%	40 x 25
Puncture Strength	ASTM D 4833	lbs	130
Mullen Burst Strength	ASTM D 3786	psi	600
Trapezoid Tear Strength	ASTM D 4533	lbs	165 x 150
% Open Area (POA)	COE - 22125-86	%	28
Apparent Opening Size	ASTM D 4751	US Std Sieve	30
Permittivity	ASTM D 4491	sec <sup>1</sup>	3.5
Permeability	ASTM 4491	cm/sec	0.25
Water Flow Rate	ASTM 4491	gal/min/ft <sup>2</sup>	250
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange <sup>1</sup>

<sup>1</sup>The color orange is a trademark of Dandy Products, Inc.

The property values listed above are effective October 2010 and are subject to change without notice.

### 3.0 Installation:

3.1 Remove the grate from the catch basin.

3.2 *For Oil and Sediment Model; to install or replace absorbent, place absorbent pillow in unit, on the bottom (below-grade side) of the unit.*



3.3 Stand the grate on end. Move the top lifting straps out of the way and place the grate into the Dandy Sack® unit so that the grate is below the top straps and above the lower straps. The grate should be cradled between the upper and lower straps.

3.3 Holding the lifting devices, insert the grate into the inlet, being careful that the grate remains in place and being careful not to damage the Dandy Sack® unit.

**4.0 Maintenance:**

4.1 Remove all accumulated sediment and debris from vicinity of unit after each storm event.

4.2 After each storm event and at regular intervals, look into the Dandy Sack® unit. If the unit is more than 1/3 full of accumulated sediment, the unit must be emptied.

4.3 To empty the unit, using the lifting straps lift the unit out of the inlet and remove the grate. Transport the unit to an appropriate location for removal of the contents. Holding the dumping straps on the outside at the bottom of the unit, turn the unit upside down, emptying the contents. Reinstall unit as above.

4.4 *For Oil and Sediment Model; remove and replace absorbent when near saturation.*

4.5 Dispose of unit and/or absorbent in accord with applicable Federal, state and local environmental laws and regulations.

**5.0 Method of Measurement:**

5.1 The quantity to be paid is for the actual number of Dandy Sack® inlet protection units installed.

**6.0 Basis of Payment:**

6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the Dandy Sack® inlet protection units.

6.2 Payment for the completed work will be made at the contract prices for:

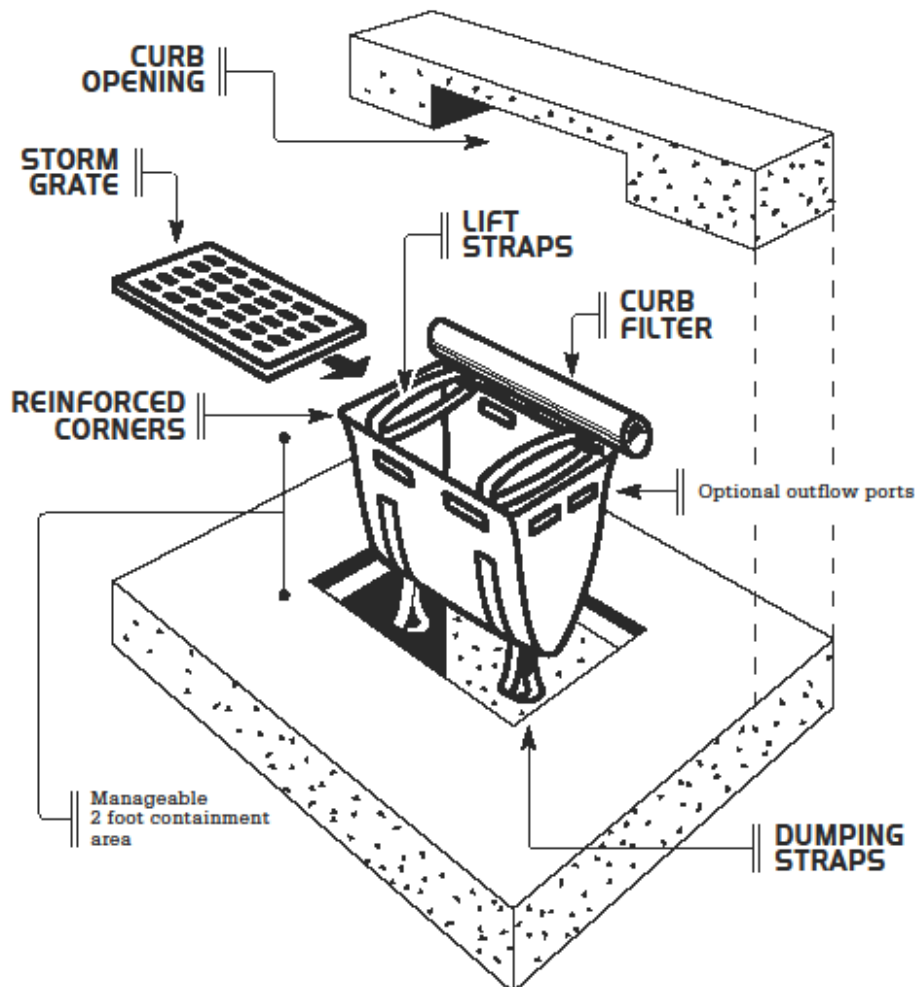
ITEM	UNIT	DESCRIPTION
Dandy Sack®	EA	Inlet Protection



## VSU-VAR05: DANDY CURB SACK®



### **DANDY CURB SACK™**







## DANDY CURB SACK® CURB AND GUTTER INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY CURB SACK®  
 MANUFACTURER: Dandy Products Inc.  
 P.O. Box 1980  
 Westerville, Ohio 43086  
 Phone: 800-591-2284  
 Fax: 740-881-2791  
 E mail: [dlc@dandyproducts.com](mailto:dlc@dandyproducts.com)  
 Web: [www.dandyproducts.com](http://www.dandyproducts.com)

### 1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Curb Sack® curb and gutter inlet protection system. The purpose is to keep silt, sediment and construction debris out of the storm water system.

### 2.0 Material:

2.1 The Dandy Curb Sack® curb and gutter inlet protection unit shall be a sewn geotextile fabric unit **made in the U.S.A.** enclosing a porous structure in the form of a cylindrical tub placed in front and extending beyond the inlet opening on both sides and have a geotextile fabric sack attached designed to fit the opening of the catch basin or drop inlet and to hang underneath the grate and into the catch basin.

2.2 The Dandy Curb Sack® shall have lifting straps to allow removal of the unit and manual inspection of the storm water system.

2.3 The Dandy Curb Sack® unit shall utilize an orange monofilament fabric that is manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab Tensile Strength	ASTM D 4632	lbs	450 x 300
Grab Tensile Elongation	ASTM D 4632	%	40 x 25
Puncture Strength	ASTM D 4833	lbs	130
Mullen Burst Strength	ASTM D 3786	psi	600
Trapezoid Tear Strength	ASTM D 4533	lbs	165 x 150
% Open Area (POA)	COE - 22125-86	%	28
Apparent Opening Size	ASTM D 4751	US Std Sieve	30
Permittivity	ASTM D 4491	sec <sup>1</sup>	3.5
Permeability	ASTM 4491	cm/sec	0.25
Water Flow Rate	ASTM 4491	gal/min/ft <sup>2</sup>	250
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange <sup>1</sup>

<sup>1</sup>The color orange is a trademark of Dandy Products, Inc.

The property values listed above are effective October 2010 and are subject to change without notice.





**3.0 Installation:**

- 3.1 Remove the grate from the catch basin.
- 3.2 *For Oil and Sediment Model; to install or replace absorbent, place absorbent pillow in unit, on the bottom (below-grade side) of the unit.*
- 3.3 Stand the grate on end. Move the top lifting straps out of the way and place the grate into the Dandy Curb Sack® unit so that the grate is below the top straps and above the lower straps. The grate should be cradled between the upper and lower straps.
- 3.4 Holding the lifting devices, insert the grate into the inlet, then lower back edge with cylindrical tube into place, being careful that the grate remains in place and being careful not to damage the Dandy Curb Sack® unit. The cylindrical tube should partially block the curb hood opening when installed properly.

**4.0 Maintenance:**

- 4.1 Remove all accumulated sediment and debris from vicinity of unit after each storm event.
- 4.2 After each storm event and at regular intervals, look into the Dandy Curb Sack® unit. If the unit is more than 1/3 full of accumulated sediment, the unit must be emptied.
- 4.3 To empty the unit, using the lifting straps lift the unit out of the inlet and remove the grate. Transport the unit to an appropriate location for removal of the contents. Holding the dumping straps on the outside at the bottom of the unit, turn the unit upside down, emptying the contents. Reinstall unit as above.
- 4.4 *For Oil and Sediment Model; remove and replace absorbent when near saturation.*
- 4.5 Dispose of unit and/or absorbent in accord with applicable Federal, state and local environmental laws and regulations.

**5.0 Method of Measurement:**

- 5.1 The quantity to be paid is for the actual number of Dandy Curb Sack® inlet protection units installed.

**6.0 Basis of Payment:**

- 6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the Dandy Curb Sack® inlet protection units.
- 6.2 Payment for the completed work will be made at the contract prices for:

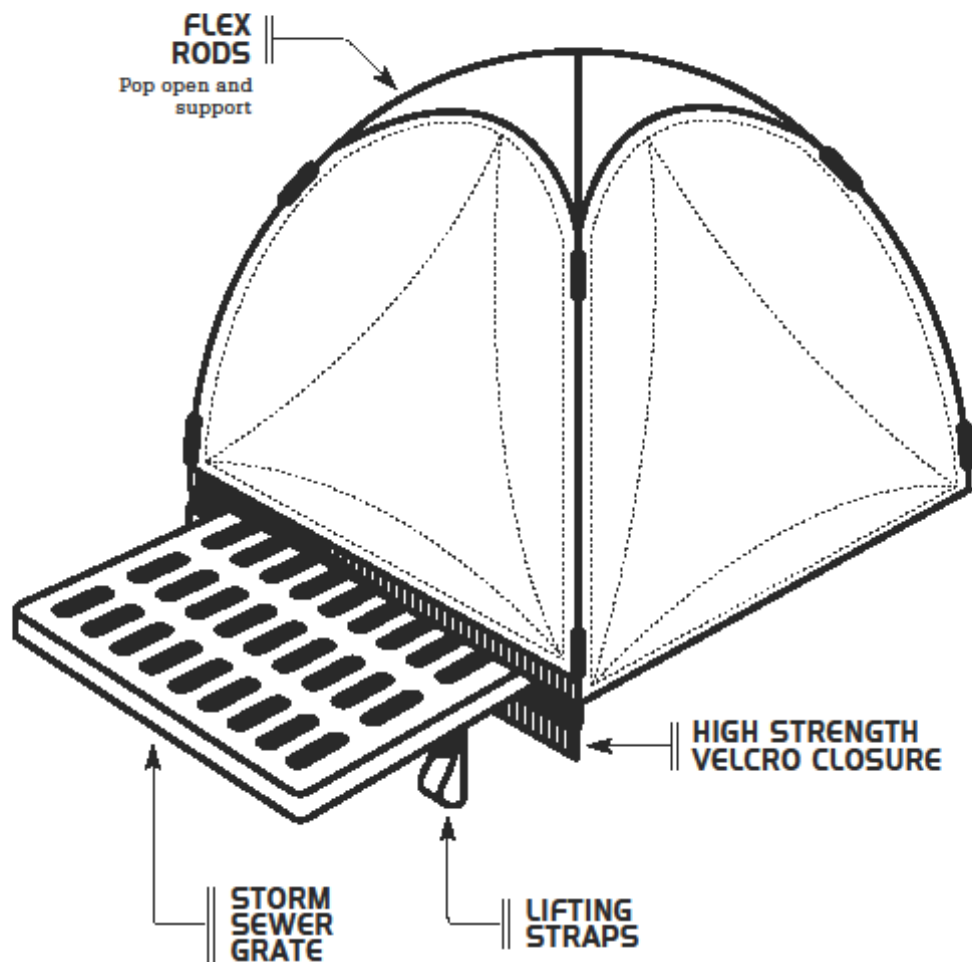
ITEM	UNIT	DESCRIPTION
Dandy Curb Sack®	EA	Inlet Protection Unit (# _____ Inlet)



## VSU-VAR06: DANDY POP®



▶ **DANDY POP™** ◀





## DANDY POP® (POP-UP DANDY BAG®) INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY POP®  
 MANUFACTURER: Dandy Products Inc.  
 P.O. Box 1980  
 Westerville, Ohio 43086  
 Phone: 800-591-2284  
 Fax: 740-881-2791  
 E mail: [dlc@dandyproducts.com](mailto:dlc@dandyproducts.com)  
 Web: [www.dandyproducts.com](http://www.dandyproducts.com)

### 1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Pop® inlet protection system. The purpose is to keep silt, sediment and construction debris out of the storm water system.

### 2.0 Material:

- 2.1 The Dandy Pop® inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric dome unit with a fully-covered support frame. The unit shall enclose the grate.
- 2.2 The Dandy Pop® shall unfold for installation to a height of approximately 24" (twenty-four inches).
- 2.3 The Dandy Pop® shall have lifting devices sewn to the bottom of the unit to assist in installation and to allow manual inspection of the storm water system.
- 2.4 The Dandy Pop® shall utilize an orange monofilament fabric that is manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Grab Tensile Strength	ASTM D 4632	lbs	450 x300
Grab Tensile Elongation	ASTM D 4632	%	40 x 25
Puncture Strength	ASTM D 4833	lbs	130
Mullen Burst Strength	ASTM D 3786	psi	600
Trapezoid Tear Strength	ASTM D 4533	lbs	165 x 150
% Open Area (POA)	COE - 22125-86	%	28
Apparent Opening Size	ASTM D 4751	US Std Sieve	30
Permittivity	ASTM D 4491	sec 1	3.5
Permeability	ASTM 4491	cm/sec	0.25
Water Flow Rate	ASTM 4491	gal/min/ft <sup>2</sup>	250
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange <sup>1</sup>

<sup>1</sup>The color orange is a trademark of Dandy Products, Inc. The property values listed above are effective October 2010 and are subject to change without notice.

### 3.0 Installation:

- 3.1 Pop open the Dandy Pop® near the inlet.
- 3.2 Stand the grate on end and slide the Dandy Pop® over the grate.



- 3.3 *For oil and sediment model; to install or replace absorbent, place absorbent pillow in pouch, on the bottom (below-grade side) of the unit. As desired, or required, attach absorbent pillow to provided tether loop.*
- 3.4 Turn the grate 180° on end (turn twice) so that the opening is facing up.
- 3.5 Pull up slack and seal velcro® to enclose the grate.
- 3.6 Lay the grate flat, and holding the lifting devices, insert the grate into the inlet making sure that the grate seats completely in the frame.

**4.0 Maintenance:**

- 4.1 The contractor shall remove all accumulated sediment and debris from panels and surface and vicinity of unit after each rain event or as directed by engineer/inspector. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.
- 4.2 *For oil and sediment model; remove and replace absorbent when near saturation.*

**5.0 Method of Measurement:**

- 5.1 The quantity to be paid is for the actual number of Dandy Pop® inlet protection units installed.

**6.0 Basis of payment:**

- 6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the Dandy Pop® inlet protection units.
- 6.2 Payment for the completed work will be made at the contract prices for:

ITEM	UNIT	DESCRIPTION
Dandy Pop®	EA	Inlet Protection Units (# _____ INLET)

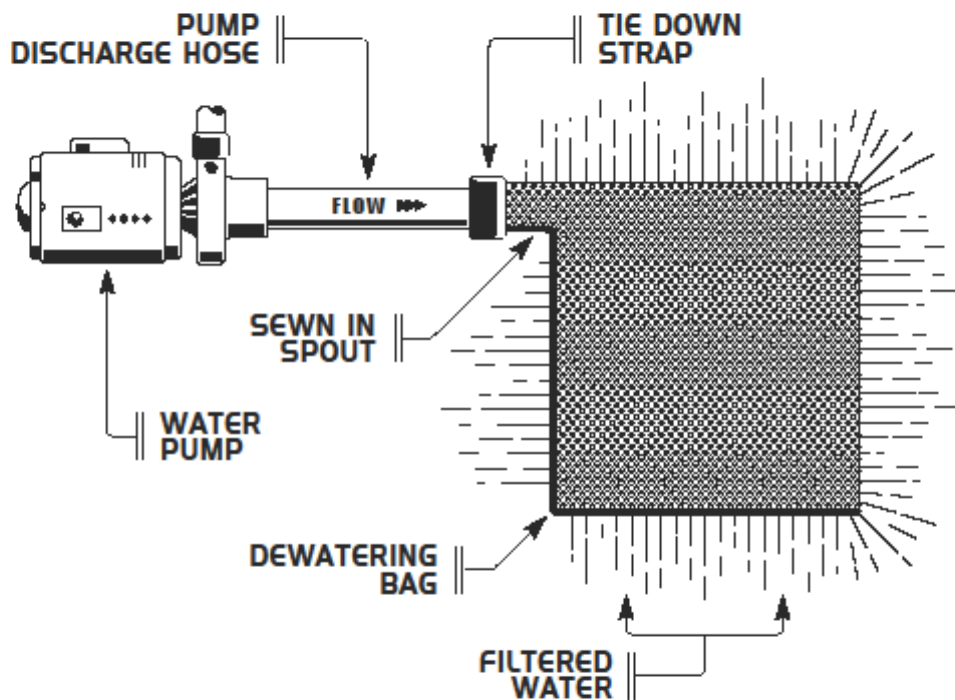


## VSU-VAR07: DANDY DEWATERING BAG™

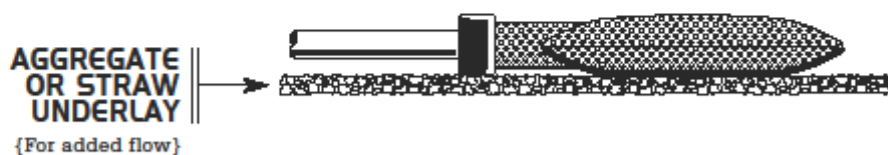


### **DANDY DEWATERING BAG™**

TOP VIEW



SIDE VIEW





## DANDY DEWATERING BAG™ PUMPED WATER SEDIMENT CONTROL SYSTEM GUIDE SPECIFICATIONS

PRODUCT: DANDY DEWATERING BAG™  
 MANUFACTURER: Dandy Products Inc.  
 P.O. Box 1980  
 Westerville, Ohio 43086  
 Phone: 800-591-2284  
 Fax: 740-881-2791  
 E Mail: [dlc@dandyproducts.com](mailto:dlc@dandyproducts.com)  
 Web: [www.dandyproducts.com](http://www.dandyproducts.com)

### 1.0 Description:

1.1 Work covered under this consists of furnishing, installing, maintaining, and removal of the Dandy Dewatering Bag™. The purpose is to control sediment discharge in any dewatering or pumped water application.

### 2.0 Material:

- 2.1 The Dandy Dewatering Bag™ shall be a bag sewn of nonwoven fabric **in the U.S.A.** using a double needle machine and a high strength thread.
- 2.2 The Dandy Dewatering Bag™ shall have a spout opening large enough to accommodate at least a four (4) inch pump discharge hose with an attached strap to tie unit closed.
- 2.3 The Dandy Dewatering Bag™ Seams shall be a double stitched “J” type seam with an average wide width strength per ASTM D-4884 of 60lb/in for a 8 oz. fabric manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.9 (205)
Grab Tensile Elongation	ASTM D 4632	%	50
Puncture Strength	ASTM D 4833	kN (lbs)	0.58 (130)
Mullen Burst Strength	ASTM D 3786	KPa (psi)	2618 (380)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.36 (80)
% Open Area	COE – 22125-86	%	N/A
Apparent Opening Size	ASTM D 4751	mm (US Std Sieve)	.0180 (80)
Permittivity	ASTM D 4491	sec <sup>1</sup>	1.2
Permeability	ASTM 4491	cm/sec	0.21
Water Flow Rate	ASTM 4491	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	3866 (95)
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Black

### 3.0 Installation:

3.1 Lifting straps (not included) should be placed under the unit to facilitate removal after use.



- 3.2 Unfold Dandy Dewatering Bag™ on a stabilized area over dense vegetation, straw, or gravel (if an increased drainage surface is needed) or as detailed in plans.
- 3.3 Insert discharge hose from pump into Dandy Dewatering Bag™ a minimum of six (6) inches and tightly secure with attached strap to prevent water from flowing out of the unit without being filtered.
- 4.0 Maintenance:**
- 4.1 Replace the unit when ½ full of sediment or when sediment has reduced the flow rate of the pump discharge to an impractical rate.
- 4.2 Remove and dispose of the sediment in a manner satisfactory to the engineer/inspector or in one of the following ways:

- A) Remove the unit and sediment from environmentally sensitive areas and waterways. At the approved disposal site, slit the unit; remove the sediment and grade smoothly into the existing topography. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.
- B) Bury unit on site; remove any visible fabric and seed.

**5.0 Method of Measurement:**

- 5.1 The quantity to be paid is for the actual number of Dandy Dewatering Bags™.

**6.0 Basis of Payment:**

- 6.1 The unit price shall include labor, equipment, and materials necessary to install, maintain, and remove the Dandy Dewatering Bag™.
- 6.2 Payment for the completed work will be made at the contract prices for:

ITEM	UNIT	DESCRIPTION
Dandy Dewatering Bag™	EA	Pumped Water Sediment Control Unit (# _____ UNITS)





## VSU-VAR08: GUTTER BUDDY™

# GUTTERBUDDY™

### Curb Inlet Drain Filters

88.2% Reduction in Total Suspended Solids  
 87.4% Reduction in Hydrocarbons



### Gutterbuddy™ Curb Inlet and Ditch Pavement Filters

#### Gutterbuddy™ Advantages

- Easy to transport, install and maintain
- Keeps out sand, asphalt millings and other fine sediment
- Available in regular and super flow
- Washable
- Reusable

#### Gutterbuddy™ Curb Inlet Filters

effectively prevent sediment, debris and other pollutants from entering storm water systems. The filtering action lets water freely flow through the fibrous material while stopping sediment and debris. Built-in overflows drain water even more quickly during extreme events.

Long lasting Gutterbuddy™ Curb Inlet Filters are 9" in diameter and can be purchased in 4', 6', 8', 10', 12', 14' and 16' lengths. These inlet filters are flexible enough to conform to any curb radius, allowing for quick and easy installation.

#### Gutterbuddy™ Ditch Pavement Filters

effectively prevent sediment, debris and other pollutants from entering storm water systems or other areas that ditch pavement is used to channel water runoff. Their filtering action lets water freely flow through the fibrous material while stopping sediment and debris. Each ditch pavement filter comes with a stake hole at each end and has bendable steel in the middle of the fabric that allows it to conform to all types of ditch pavement.

For more information about Gutterbuddy™ Curb Inlet and Drainage Ditch Filters, call your ACF Environmental or SI Geosolutions distributor.

#### PROBLEM:



Failed Inlet Protection

#### SOLUTION:



Gutterbuddy™ Curb Inlet Drain Filter



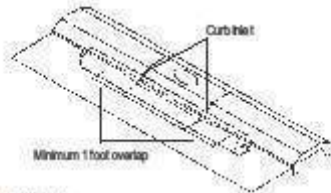


**Gutterbuddy™ Specification**  
**For Curb Gutter Storm Drains**

**1.0 Description**

1.1 This work shall consist of furnishing, placing, maintaining and removing the Gutterbuddy™ sediment control device as directed by the engineer and as shown on the contract drawings. The Gutterbuddy™ sediment control system distributed by:

*ACF Environmental, Inc.*  
 2831 Cardwell Road  
 Richmond, Virginia 23234  
 Phone: 800-448-3636 • Fax: 804-743-7779  
 www.acfenvironmental.com



**2.0 Materials**

**2.1 GUTTERBUDDY™**

The Gutterbuddy™ shall be synthetic filter manufactured from recycled synthetic fibers.

2.1.1 The Gutterbuddy™ will be manufactured to be 9" in diameter and are available in 4', 6', 8', 10', 12', 14' and 16' lengths and a minimum of twenty-four (24) inches longer than the curb inlet opening. This will allow for sufficient length to cover the inlet with twelve (12) inches beyond the inlet on both ends.



**3.0 Construction Sequence**

**3.1 General**

3.1.1 Install the Gutterbuddy™ in front of the curb inlet opening. Each end of the Gutterbuddy™ should overlap the curb inlet approximately 12".

3.1.2 The Gutterbuddy™ should be cleaned if a visual inspection shows silt and debris build up around the Gutterbuddy™.



3.1.3 To remove the Gutterbuddy™, lift out of the opening.

3.1.4 The Gutterbuddy™ is reusable. Once the construction project is complete and it is no longer needed for sediment control, remove, clean and store out of the sunlight until needed on the next project.

3.1.5 Ponding is likely if sediment is not removed regularly. Inspection of Gutterbuddy™ should be on a regular basis and immediately after major rain events.

**4.0 Basis of Payment**

4.1 The payment for any Gutterbuddy™ used during the construction is to be included in the bid of the overall erosion and sediment control plan and priced by the linear foot.

<b>ACF Environmental</b>		
<b>"Complete Source for Storm Water Solutions"</b>		
 (800) 644-8223 www.thebmpstore.com	Distributed by: <div style="border: 1px solid black; height: 60px; width: 100%;"></div>	 2831 Cardwell Road Richmond, Virginia 23234 (800) 448-3636 • FAX (804) 743-7779 www.acfenvironmental.com





## VSU-VAR09: SILT SACK®

# SILTSACK

(U.S. Patent #5,575,925)

### Catch Basin Sediment Capture Device

*Keeping catch basins free of silt!*

Now Available  
in High Visibility  
Yellow

#### Versatile

Available in 2 styles to meet your needs:

- High flow
- Regular flow

#### And It's Simple

- Remove drain grate
- Insert Siltsack
- Replace grate to hold Siltsack in position
- Siltsack traps silt
- Remove filled Siltsack easily
- Clean and reuse or simply discard and replace

Are you looking for a cost-effective, easy way to stop silt and sediment from entering catch basins on construction site? Siltsack is the simple and economical solution to prevent clogging of catch basins.

Siltsack is a sediment control device used to prevent silt and sediment from entering your drainage system by catching the silt and sediment while allowing water to pass through freely. Siltsack can be used as a primary or secondary sediment control device to prevent failure of your drainage system due to clogging. It must be maintained on a regular basis to function properly.

Siltsack is available in both high-flow or regular flow. A modified Siltsack is also available with a curb opening deflector attached to prevent sediment and debris from entering through curb openings. Constructed with properties shown on the Specifications page, Siltsack is a quality product designed to save time and money.

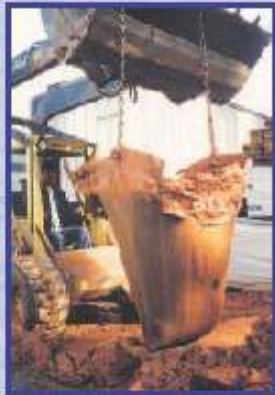


Routine inspection of a Siltsack's collected sediment level is important to prevent "ponding" around storm drains. We recommend the following maintenance schedule:

- Each Siltsack should be inspected after every major rain event.
- If there have been no major events, Siltsack should be inspected every 2-3 weeks.
- The yellow restraint cord should be visible at all times. If the cord is covered with sediment, the Siltsack should be emptied.

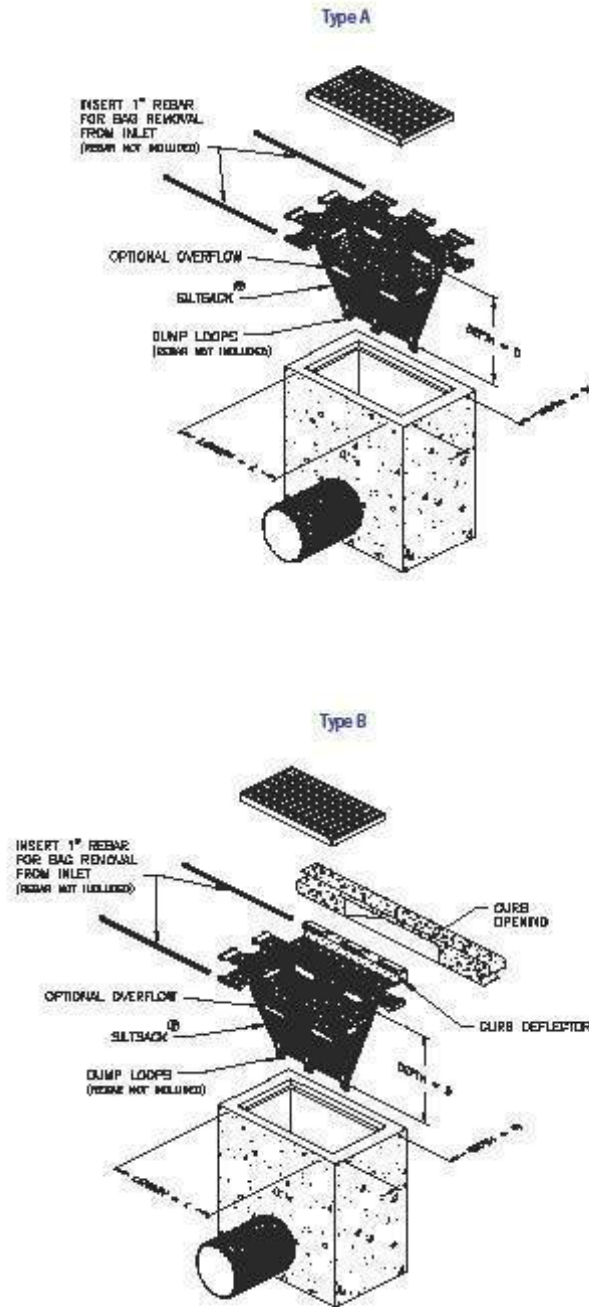


Installed Siltsack held in place by grate.



Sediment captured by Siltsack® can easily be removed from the site.

### Typical Siltsack® Construction







**Siltsack® Specification**  
**Control of Sediment Entering Catch Basins**  
 (Storm Water Management)

**1.0 Description**

**1.1** This work shall consist of furnishing, installing, maintaining, and removing Siltsack sediment control device as directed by the engineer or as shown on the site drawings. Siltsack sediment control device is manufactured by:

*ACF Environmental, Inc.*  
 2831 Cardwell Road, Richmond, Virginia 23234  
 Phone: 800-448-3636 • Fax: 804-743-7779  
 www.acfenvironmental.com

**2.0 Materials**

**2.1 Siltsack®**

**2.1.1** Siltsack shall be manufactured from a specially designed woven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon thread.

**2.1.2** Siltsack will be manufactured to fit the opening of the catch basin or drop inlet. Siltsack will have the following features: two dump straps attached at the bottom to facilitate the emptying of Siltsack; Siltsack shall have lifting loops as an integral part of the system to be used to lift Siltsack from the basin; Siltsack shall have a restraint cord approximately halfway up the sack to keep the sides away from the catch basin walls, this yellow cord is also a visual means of indicating when the sack should be emptied. Once the cord is covered with sediment, Siltsack should be emptied, cleaned and placed back into the basin.

**2.1.3** Siltsack seams shall have a certified average wide width strength per ASTM D-4884 standards as follows:

Siltsack Style	Test Method	Test Method
Regular Flow	ASTM D-4884	165.0 lbs./in
Hi-Flow	ASTM D-4884	114.6 lbs./in

**Siltsack Regular Flow**

Property	Test Method	Units	Test Results
Grab Tensile	ASTM D-4832	lbs.	315x300
Grab Elongation	ASTM D-4832	%	15x15
Puncture	ASTM D-4833	lbs.	125
Mullen Burst	ASTM D-3786	P.S.I.	650
Trapezoid Tear	ASTM D-4533	lbs.	120x150
UV Resistance	ASTM D-4355	%	90
Apparent Opening	ASTM D-4751	US Sieve	40
Flow Rate	ASTM D-4491	Gal/Min/Ft <sup>2</sup>	40
Permeability	ASTM D-4491	sec <sup>-1</sup>	0.55

**or SILTSACK® High Flow**

Property	Specification	Units	Test Results
Material	Polypropylene		
Weight	5.6 oz/sq yd		
Color	Black		
Grab Tensile Strength	380lbs (530N)	lbs.	255x275
Grab Elongation (Max %)	30%	%	20x15
Trapezoid Tear	120 lbs (250N) Min	lbs.	40x50
Puncture	140 lbs (250N) Min	lbs.	135
Mullen Burst	800 psi	P.S.I.	420
Coefficient of Permeability	0.04 in/sec		
Permeability	0.3 gal/min/sq ft	sec <sup>-1</sup>	1.5
Water Flow Rate	152 gal/min/sq ft	gal/min/ft <sup>2</sup>	200
AOS	0.212mm	US Sieve	40
UV Resistance Strength	90%		
Fabric Width	72"		

*All properties are Minimum Average Roll Values (MARV)*

**3.0 Construction Sequence**

**3.1 General**

**3.1.1** To install Siltsack in the catch basin, remove the grate and place the sack in the opening. Hold approximately six inches of the sack outside the frame. This is the area of the lifting straps. Replace the grate to hold the sack in place.

**3.1.2** When the restraint cord is no longer visible, Siltsack is full and should be emptied.

**3.1.3** To remove Siltsack, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the sack to facilitate the lifting of Siltsack.

**3.1.4** To empty Siltsack, place unit where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the sack) and lift. This will lift Siltsack from the bottom and empty the contents. Clean out and rinse. Return Siltsack to its original shape and place back in the basin.

**3.1.5** Siltsack is reusable. Once the construction cycle is complete, remove Siltsack from the basin and clean. Siltsack should be stored out of sunlight until next use.

**4.0 Basis of Payment**

**4.1** Payment for all Siltsacks used during construction is to be included in the bid price for the overall erosion and sediment control plan unless unit price is requested. Maintenance of Siltsack also to be included in this price.

*\*Siltsack is covered by U.S. Patent No. 5,575,925*



### Installation and Maintenance



Remove grate from catch basin.



Slide Siltack® over one side of grate.



Slide Siltack® over opposite side of grate.



Replace Siltack® and grate inlet into recess.



Installed Siltack®.



To remove Siltack®, clean area around grate and slide rebar through Siltack® pockets.





Slowly remove Siltack® from inlet.



Removed Siltack® is now ready for cleanout.



To clean Siltack® attach rebar through empty loops at bottom and lift to empty.

<p><b>ACF Environmental</b>          "Complete Source for Stormwater Solutions"</p>		
 2831 Cantwell Road Richmond, Virginia 23234 (800) 448-3636 • FAX (804) 743-7779 <a href="http://www.acfenvironmental.com">www.acfenvironmental.com</a>	Distributed by: <div style="border: 1px solid black; height: 60px; width: 100%;"></div>	 (800) 644-9223 <a href="http://www.thebmpstore.com">www.thebmpstore.com</a>



Capital Outlay & Facilities  
PO Box 9414  
VSU, VA 23806  
Phone: (804)-504-7500  
Fax: (804)-524-5383

## VSU-VAR10: AlturnaMats® & VersaMats®

# AlturnaMATS®

*The Original drive-on, ground protection mats*



*The mats preferred by professionals worldwide*

*Protect Your Turf & Save Thousands in  
Ground Restoration Costs...*









# AlturnaMATS®

## World's Toughest Ground Protection Mat






### AlturnaMATS *Built Tough!*

**The Original Ground Protection Mats Featuring Maximum Traction Diamond Plate Tread Design**

These rugged mats are made of 1/2" thick polyethylene so they are virtually indestructible. They withstand vehicles weighing up to 60 tons, bend but do not break and feature a Limited Lifetime Warranty. AlturnaMATS have been tested in record cold and heat. AlturnaMATS are an environmentally friendly mat as they are made from recycled plastic materials.

With AlturnaMATS, getting stuck is virtually eliminated. They are available smooth on one side or smooth on both sides, ideal for removing dirt or gravel.

- Easily supports 60 ton vehicles
- Rugged 1/2" thick polyethylene
- Bold cleat design for great traction
- Build a roadway or working platform in minutes
- Leave turf smooth, even in soft conditions
- No more splintered, warped, water logged plywood
- Simply hosing down leaves the mats clean
- Available in both black or white mats
- Mats can be locked together with Turn-A-Links forming a continuous roadway
- Limited Lifetime Warranty

*Sizes to meet your needs*

Black	White	Weight
4' x 8'	4' x 8'	86 lbs.
3' x 8'	3' x 8'	64.5 lbs.
3' x 6'	3' x 6'	51 lbs.
2' x 8'	2' x 8'	43 lbs.
2' x 6'	2' x 6'	32.25 lbs.
2' x 4'	2' x 4'	21.5 lbs.



**Landscaping**



**Tree Care**



**Construction**



**Concrete**



**St...**



# VersaMATS

Most Versatile Mats in the Industry



## VersaMATS

**Easy to Walk On - Safe to Work On - Great to Drive On**  
**Featuring an Exclusive Slip-Resistant Tread Design**

VersaMATS literally are the most versatile ground protection mats in the industry. The flat, slip-resistant tread permits pedestrians to walk safely on the mats, yet they are as rugged as the original AlturnaMATS. The reverse side has the same diamond plate tread as AlturnaMATS, providing great traction for vehicles.

VersaMATS are also available in white, making them ideal for safe use as long walkways even in darkened conditions. They are also available smooth on one side.

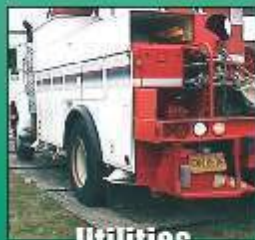
- Leaves turf smooth even in soft soil conditions
- Tough 1/2" thick polyethylene
- Two practical cleat designs... for walking and vehicle traffic
- Withstand 60-ton loads
- Build a temporary roadway or walkway in minutes
- Lock together with Turn-A-Links
- Limited Lifetime Warranty

*Sizes to meet your needs*

Black	White	Weight
4' x 8'	4' x 8'	86 lbs.
3' x 8'	3' x 8'	64.5 lbs.
2' x 8'	2' x 8'	43 lbs.



**Snow/Slush**



**Utilities**



**Golf Courses**

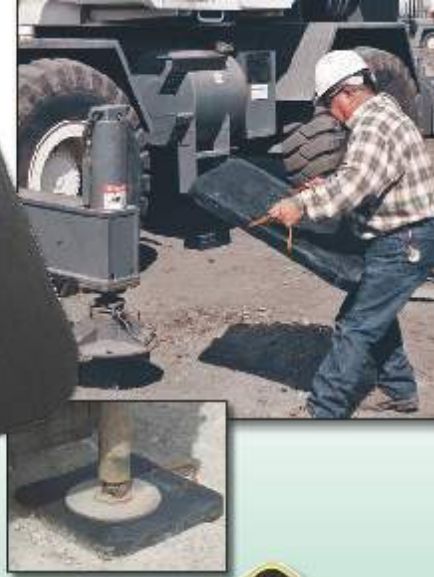


**Cemeteries**



**Drilling**





## Safety Tech Pads

Deliver the safety, quality and performance you expect from the industry leader.



- Safety Tech Pad Features:
- Reliable Load Distribution
  - Lightweight
  - Safety Texturing
  - Memory Recovery
  - Lifetime Guarantee

### Stock Models

MODEL	LOAD	CAPACITY	WIDTH	LENGTH	HEIGHT	WEIGHT	SQ.IN.
<b>PAD1816.75</b>	40,000# (1802.412)	18,000# (816.472)	15" (38.1)	15" (38.1)	.75" (1.9)	5.5# (249.4)	225 (1461.75)
<b>PAD18181</b>	55,000# (249.88)	30,000# (1360.96)	18" (45.72)	18" (45.72)	1" (2.54)	11.0# (494.8)	324 (21288.4)
<b>PAD24241</b>	60,000# (272.31)	35,000# (1587.91)	24" (60.96)	24" (60.96)	1" (2.54)	20.0# (907.2)	576 (37371.36)
<b>PAD24242</b>	62,000# (282.12)	40,000# (1818.34)	24" (60.96)	24" (60.96)	2" (5.08)	38.0# (1717.2)	576 (37371.36)
<b>PAD30301</b>	81,000# (368.74)	41,000# (1870.97)	30" (76.2)	30" (76.2)	1" (2.54)	31.0# (1406)	900 (58068)
<b>PAD36361</b>	93,000# (422.18)	43,000# (1953.8)	36" (91.4)	36" (91.4)	1" (2.54)	45.0# (2044.5)	1296 (84381.7)
<b>PAD48481</b>	135,000# (612.3)	52,000# (2367.2)	48" (121.92)	48" (121.92)	1" (2.54)	80.0# (363.3)	2304 (14965.4)
<b>PAD30302</b>	85,000# (385.8)	43,000# (1953.8)	30" (76.2)	30" (76.2)	2" (5.08)	62.0# (2812)	900 (58068)
<b>PAD36362</b>	98,000# (444.35)	45,000# (2044.5)	36" (91.4)	36" (91.4)	2" (5.08)	90.0# (4083)	1296 (84381.7)
<b>PAD48482</b>	140,000# (635.3)	55,000# (2500)	48" (121.92)	48" (121.92)	2" (5.08)	160.0# (7258)	2304 (14965.4)

\*8" X 16" OUTRIGGER LEGS APPLIED UNDER TWO SEPARATE CONDITIONS: 10,000# VERTICALLY & 10,000# WITH A 45° ANGLE.  
 \*\*HANDLE LOCKED ON BOTH SIDE OF ALL PADS. PADS 900 SQ. IN. & LARGER HAVE 2 OR MORE HANDLES OPPOSITE EACH OTHER.  
 \*\*\*CUSTOM SIZE PADS ARE AVAILABLE. REQUIRES A MINIMUM ORDER. LEAD TIME FOR NON-STOCK ITEMS IS 30-45 DAYS.  
 KEY: C = CENTIMETERS; KG = KILOGRAMS; CT = SQUARE CENTIMETERS



**Manufactured Housing**



**Recreation Areas & Events**



**Trenching**



**Septic Pumping**



# AlturnaMATS Accessories

## Turn-A-Links

### Single Turn-A-Link



Steel links lock mats together to form a semi-permanent, yet portable, continuous roadway, walkway or working platform.

### Double Turn-A-Link



### Galvanized Turn-A-Link: Single or Double



The same steel material, but with a galvanized coating: easier to locate & harder to rust.

		Item #	Ship Wt.
Round Links	Single	RTL-S-G	8 oz.
	Double	RTL-G-G	20 oz.
Flat Links	Single	FTL-S-G	8 oz.
	Double	FLT-D-G	20 oz.
EZ Links	Single	EZL-S	4 oz.
	Double	EZL-D	6 oz.

## Handi-Hooks



AlturnaMATS' Handi-Hooks make moving mats easier, even in wet areas. Made of steel rod, painted white.

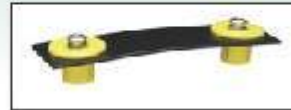
Length	Weight
3'	2.5 lbs.
(91.44 cm)	(1.13 kg)

## E-Z Link System



E-Z Links are a quick & convenient linking system for the AlturnaMATS VersaMATS. The links are available in single or double, & are suitable for pedestrian applications as well as movement of light, compact equipment (less than 12,000 GVW) when on stable ground conditions.

### Single E-Z Link



## MAT-PAK



This complete package is the handy way to transport and store your AlturnaMATS.

- Consists of:
- 12 Mats (4' x 8' or 3' x 8')
  - 1 Metal storage, skid rack
  - 20 Single Turn-A-Links
  - 2 Handi-Hooks
  - 2 Ratchet Straps

MAT-PAK	Item No.	Weight
Original Diamond Plate		
Black - 4' x 8' Package	AMCP4	1126 lbs.
Black - 3' x 8' Package	AMCP3	868 lbs.
White - 4' x 8' Package	WMCP4	1126 lbs.
White - 3' x 8' Package	WMCP3	868 lbs.
VersaMATS		
Black - 4' x 8' Package	VMCP4	1126 lbs.
Black - 3' x 8' Package	VMCP3	868 lbs.
White - 4' x 8' Package	VMCP4	1126 lbs.
White - 3' x 8' Package	VMCP3	868 lbs.



Phone: 888-544-6287 • Fax: 814-827-2903 • E-mail: sales@alturnamats.com

[www.alturnamats.com](http://www.alturnamats.com)

AHA - 408





# AlturMATs®

"AlturMATs, Your Single Source for Professional Ground Protection Mats."

AlturMATs & VersaMATs each leave turf smooth, even under heavy vehicle traffic. No costly turf repair bills and you'll Never Get Stuck Again.

AlturMATs, Inc. markets two different ground mats described in this brochure...

- **AlturMATs:** Featuring a bold diamond plate tread for maximum traction.
- **VersaMATs:** Featuring a flat, slip-resistant tread on one side designed for pedestrian traffic, and the bold diamond plate tread on the other side for vehicle traffic.

These mats virtually eliminate damage to lawns and landscaped areas throughout the world...from North America, Asia, Australia, Europe, to even Antarctica. These rugged mats are the popular choice among professionals. They are easy to use, lock into place to form a continuous, solid roadway or work platform

and they last for years. They are unequalled for quality and performance under the most hazardous conditions.

Each mat can be used in a broad variety of applications such as construction, golf courses, utilities, landscaping, tree care, cemeteries, drilling, sewage...wherever saving the costs of ground restoration is a factor. And they are great to save heavy vehicles from getting stuck in mud.

AlturMATs and VersaMATs provide locking links designed of steel to fit into holes on each end of the mats, locking them end-to-end to create a continuous roadway, or you can easily create a large platform for working vehicles.

## ***Don't Get Stuck in a Rut***

Now there is no reason to create ruts such as shown here after a stumpier traversed this front lawn. The owner had the ruts repaired at a cost of \$1,800 and needless to say, never used the tree removal company again.



***www.alturmat.com***



**Capital Outlay & Facilities**  
PO Box 9414  
VSU, VA 23806  
Phone: (804)-504-7500  
Fax: (804)-524-5383



## APPENDIX J

### RECORD OF LAND DISTURBING ACTIVITIES



## 07/01/17-06/30/18 Planned and Ongoing Land Disturbing Activities

Project Name	Project Location	Project Description	Estimated Disturbed Area Acreage	Approximate Start Date	Approximate Completion Date	On-site Project Manager Name	On-site Project Manager Contact Information	Responsible Land Disturber Permit Number	Operator Name	VAR10 Registration Number
Drainage Improvements/ Stormwater Master Plan	VSU Campus	Install drainage improvements and water quality improvements proposed in the Stormwater Master Plan and related to the implementation of the Campus Master Plan 20/20 Vision	276.7	7/1/2014	6/30/2019, with renewal anticipated	As noted by project below	As noted below by project	As noted by project below	Virginia State University	VAR10-9268
Puryear Hall	Puryear Hall	Demolish Puryear Hall	1.30	1/1/2017	4/24/2018	Jonathan Taylor	804) 504-7500	RLD02340 Ronald Feather	Virginia State University	VAR10-9268
Band Practice Field	Formerly Puryear Hall	Install a band practice facility	1.30	8/31/2017	4/24/2018	Jonathan Taylor	804) 504-7500	RLD03468 Jimmy Burgess	Virginia State University	VAR10-9268
Heating Plant Site Stair and Drainage Repairs	Heating Plan	Forced sanitary sewer and road repairs	1.08	4/1/2017	4/24/2018	Jonathan Taylor	(804) 504-7500	Cert# 25314 Brian Dickerson	Virginia State University	VAR10-9268
Moore Hall	Moore Hall	Moore Hall Site Work	0.74	3/30/2017	5/17/17 3/8/2018*	Jonathan Taylor	804) 504-7500	RLC03468 Jimmy Burgess	Virginia State University	VAR10-9268

\*Final Inspection



**MCM 2 PUBLIC INVOLVEMENT & PARTICIPATION  
DOCUMENTATION**

**HOME DEPOT RETOOL YOUR SCHOOL  
FLEETS BRANCH OUTDOOR FITNESS PARK SERVICE DAY  
OCTOBER 14, 2021**

## Hailey Fry

---

**From:** Jonathan A. Taylor <jataylor@vsu.edu>  
**Sent:** Tuesday, June 21, 2022 1:33 PM  
**To:** Sheila Reeves; Aislinn Creel  
**Subject:** FW: VSU Service Event - Cultivation of Future Site of VSU Outdoor Fitness Park @Fleets Branch Flyer  
**Attachments:** VSU SERVICE EVENT STUDENTS RDGR.pptx

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

---

**From:** Rianna Davis-Gaetano <rdavis-gaetano@vsu.edu>  
**Sent:** Tuesday, June 21, 2022 1:31 PM  
**To:** Jonathan A. Taylor <jataylor@vsu.edu>  
**Subject:** FW: VSU Service Event - Cultivation of Future Site of VSU Outdoor Fitness Park @Fleets Branch Flyer

---

**From:** Rianna Davis-Gaetano  
**Sent:** Wednesday, October 6, 2021 12:45 PM  
**To:** Leslie Crocker <lcrocker@vsu.edu>  
**Subject:** RE: VSU Service Event - Cultivation of Future Site of VSU Outdoor Fitness Park @Fleets Branch

Please see attached flyer for VSU service event opportunity for [HYPER students](#).

The construction and cultivation of the Outdoor Fitness Park project (from the grant awarded to VSU for this project by Home Depot Retool Your School Grant).

There will be a sign in table at the event.

Please contact me with any questions. We would love to have [HYPER](#) and staff participate also with their classes or individual students participate for service credit.

Thanks so much,

Rianna

Rianna B. Davis-Gaetano, M.B.A.



KCI/VSU

Project Manager, Capital Outlay

[rdavis-gaetano@vsu.edu](mailto:rdavis-gaetano@vsu.edu)

Office 804-524-6765

Cell 804-971-9173

**At VSU, we are proudly committed to:**

• *Providing a transformative experience for our students*

- *Strategically investing in our academic programs*
- *Embracing our position as a top Land Grant University*
- *Embracing our role as Virginia's Opportunity University*
- *Partnering together as a University to tell our story*



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# VSU SERVICE EVENT

OCTOBER 14<sup>th</sup> 2021  
9AM – 11:30 AM

Sponsored by  
Capital Outlay  
& Facilities Dept

\*CAN RECEIVE  
SERVICE CREDITS

## CULTIVATION OF OUR FUTURE OUTDOOR FITNESS PARK @FLEETS BRANCH

Location: Fleets Branch (east of the Softball Field), Virginia State University, VA 23806

Masks are required for the event

LEARN HOW TO  
PLANT A TREE

FITNESS PAD  
CONSTRUCTION

BEAUTIFICATION  
OF THE SITE



IF INTERESTED CONTACT JONATHAN TAYLOR AND RIANNA DAVIS-GAETANO  
CAPITAL OUTLAY AND FACILITIES DEPARTMENT  
[JTAYLOR@VSU.EDU](mailto:JTAYLOR@VSU.EDU) & [RDAVIS-GAETANO@VSU.EDU](mailto:RDAVIS-GAETANO@VSU.EDU)

## Hailey Fry

---

**Subject:** FW: Home Depot Retool Your School Fleets Branch Outdoor Fitness Park Service Day  
**Location:** Fleets Branch Fitness Park Site - east of the Softball Field

**Start:** Thu 10/14/2021 9:00 AM  
**End:** Thu 10/14/2021 11:30 AM  
**Show Time As:** Tentative

**Recurrence:** (none)

**Organizer:** Rianna Davis-Gaetano

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

-----Original Appointment-----

**From:** Rianna Davis-Gaetano <rdavis-gaetano@vsu.edu>

**Sent:** Monday, October 4, 2021 11:44 AM

**To:** Rianna Davis-Gaetano; Jane S. Harris; Jonathan A. Taylor; Gilbert Hanzlik; Forrest L. Black; Gwen Williams Dandridge; Joel Koci; Debra AC Sulla; Eric A. Martin; Ri'Shawn M. Bassette; ProDS\_4633@homedepot.com; William M. Curry

**Subject:** Home Depot Retool Your School Fleets Branch Outdoor Fitness Park Service Day

**When:** Thursday, October 14, 2021 9:00 AM-11:30 AM (UTC-05:00) Eastern Time (US & Canada).

**Where:** Fleets Branch Fitness Park Site - east of the Softball Field

ROTC Cadets will be volunteering from 8:00-3:00pm

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# HOME DEPOT RETOOL YOUR SCHOOL 2021 GRANT VSU FITNESS PARK PROJECT RECAP PRESENTATION



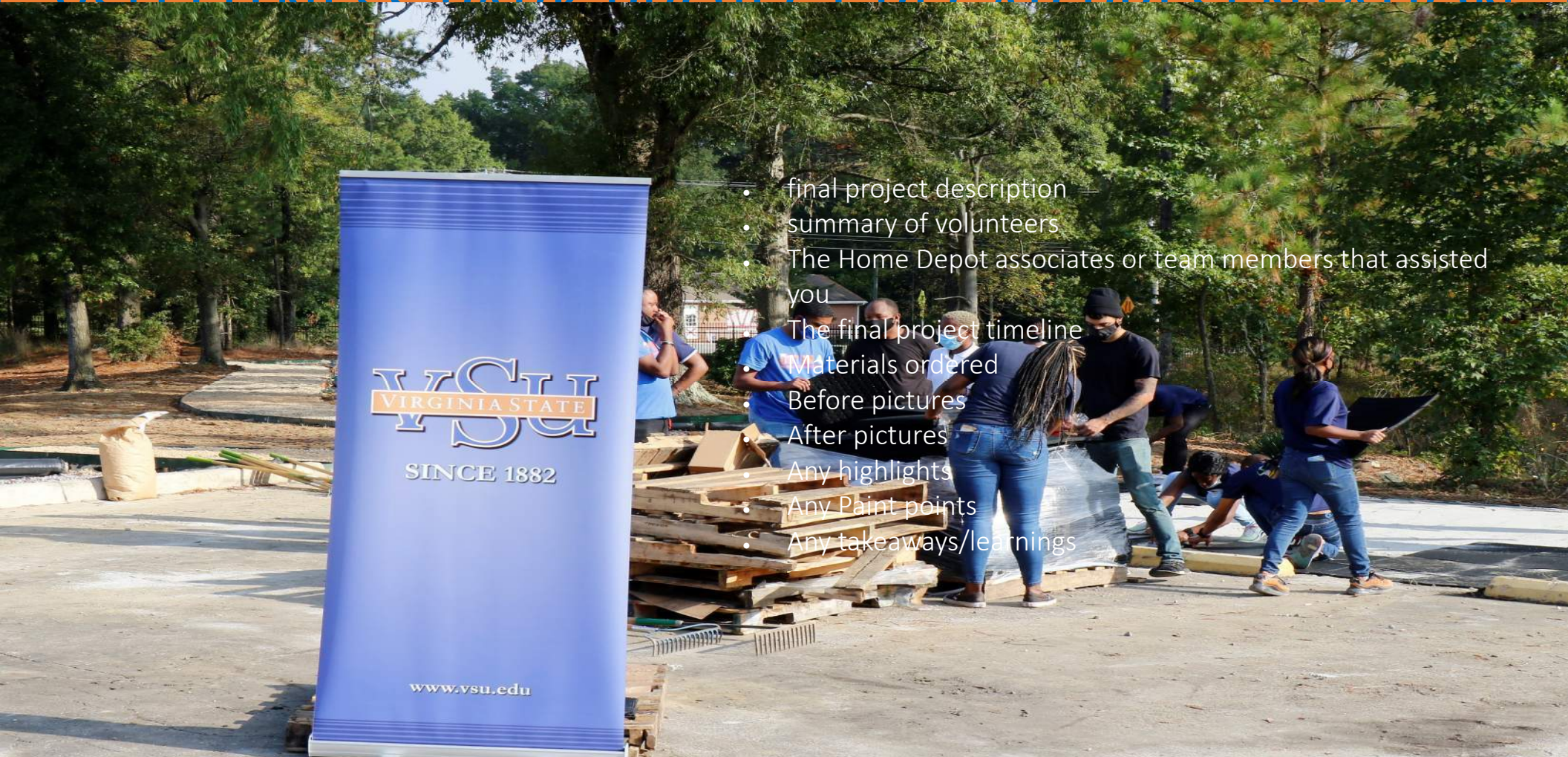


# HOME DEPOT RETOOL YOUR SCHOOL 2021 GRANT

## VSU FITNESS PARK PROJECT RECAP PRESENTATION



- final project description
- summary of volunteers
- The Home Depot associates or team members that assisted you
- The final project timeline
- Materials ordered
- Before pictures
- After pictures
- Any highlights
- Any Paint points
- Any takeaways/learnings





# HOME DEPOT ASSOCIATES ASSISTED US THROUGHOUT



- JJ ABRAMS – PRO DESK SUPERVISOR
- MARKEL BILL – HOME DEPOT EMPLOYEE & VSU STUDENT
- SARAH
  
- JJ ABRAMS – PRO DESK SUPERVISOR
  - SUPPORTED US 110%
  - ORDERED OUR MATERIALS
  - MADE SURE, THEY ARRIVED ON TIME
  - FULLY PARTICIPATED IN THE RYS21 PROJECT SERVICE DAY
  - SUPPLIED US WITH EXCEPTIONAL CUSTOMER SERVICE
  - HE SERVED AS A CRITICAL RESOURCE FOR THE PROJECT'S SUCCESS
  
- MARKEL BILL - HOME DEPOT EMPLOYEE & VSU STUDENT
  - VOLUNTEERED & FULLY PARTICIPATED IN THE RYS21 PROJECT SERVICE DAY



# VSU FITNESS PARK PRECONSTRUCTION





# VSU FITNESS PARK IMPLEMENTATION PHASE & SERVICE EVENT





# VSU FITNESS PARK CONSTRUCTION PHASE



**FALL SERVICE DAY EVENT  
OCTOBER 16, 2021**

## Hailey Fry

---

**From:** Jonathan A. Taylor <jataylor@vsu.edu>  
**Sent:** Monday, October 18, 2021 11:20 AM  
**To:** Sheila Reeves  
**Cc:** Steve Hostetler  
**Subject:** Service Day 10-16-2021

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sheila

The trash bags shown below is the result of the campus cleanup during a service day 10-16-2021.

We also have a service day 10-14-2021 when volunteers gather 3 bags of trash. The bags were placed in a dumpster before I could get a photograph of them.

This information is for your use in the Annual MS4 report.

Thanks

Jonathan

---

**From:** Jonathan A. Taylor <jataylor@vsu.edu>  
**Sent:** Monday, October 18, 2021 10:47 AM  
**To:** Jonathan A. Taylor <jataylor@vsu.edu>  
**Subject:**





Sent via the Samsung Galaxy S7 active, an AT&T 4G LTE smartphone

Get [Outlook for Android](#)

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**SPRING SERVICE DAY**  
**APRIL 18, 2022**



April 18th 2022 Spring Service Event









**BUSINESS STUDENTS CLEANUP EVENT  
MAY 3, 2022**

---

**From:** Jane S. Harris <jsharris@vsu.edu>  
**Sent:** Wednesday, May 4, 2022 11:27 AM  
**To:** Jonathan A. Taylor <jataylor@vsu.edu>; Aislinn Creel <Aislinn.Creel@timmons.com>  
**Subject:** FW: Appomattox River Clean Up, Thank You!

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Our Business students did a trash pick-up on Tuesday evening on the ART and at Patton Park. Thought you'd want to document it for MS4.

---

**From:** Jonathan M. Young <jyoung@vsu.edu>  
**Sent:** Wednesday, May 4, 2022 10:54 AM  
**To:** Jane S. Harris <jsharris@vsu.edu>; Gilbert Hanzlik <ghanzlik@vsu.edu>  
**Subject:** Appomattox River Clean Up, Thank You!

Jane and Gil, thank you so very much for allowing my students to borrow your clean-up equipment! Grateful! I returned said equipment yesterday afternoon. Again thank you and see below for a few pics from yesterday afternoon along the Appomattox River. Jonathan















Jonathan M. Young  
Director of Corporate Relations  
Virginia State University  
Reginald F. Lewis College of Business  
P.O. Box 9398  
Virginia State University, VA 23806  
804-524-5987 (o)  
804-928-9881 (cell)

***Did you know?***

Recipient of the **2018 Metropolitan Business League's (MBL) Chairman's Leadership Award**, we are recognized for building leaders.



Of over 100 HBCUs nationwide, our business programs took **top honor in 2012 and again in 2017**.

We are the 2011 recipient of the **Governor's Award for Innovative Use of Technology in Higher Education**.

We are the 2012 **RichTech** Technology Innovation Deployment Awardee for being **Digital at the Core**.

Your company can **host a student for a 1 day "Project Shadow"** visit; over 600 students have participated.

More than **250 companies** have facilitated innovative small-group role play for students regarding "real-world" skills including sales, cold-calls, conflict resolution, customer is always right, elevator speech, etc.

After 6 semesters, **students have accrued savings exceeding \$1,121,000** because of new digital-delivered & customized text books at the same time increasing retention.

At VSU, we are proudly committed to: providing a **transformative experience for our students**, strategically investing in our academic programs, embracing our position as a top Land Grant University, embracing our role as Virginia's Opportunity University, and partnering together as a University to tell our story.

Our aim is to **refine "soft skills", augment career awareness, and develop "real world" skills not often learned in a traditional classroom!**

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# **TREE CAMPUS USA MEETING MINUTES**





## VSU Tree Campus USA Meeting Minutes

Wednesday, February 23, 2022 @ 4PM

**Format-** ZOOM- Virtual and In-person

**Attendees:** Joel Koci, Jane Harris, Jonathan Taylor, Neal Beasley, Aislinn Creel, Sarah Melissa Witiak, Heather Barrar, Kimberly Conley, Labon Rutto

### Minutes:

- **Summerseat Property Update** (Jane Harris)
  - Funding for Summerseat has been approved and the Building Committee is currently seeking solicitation of A/E to complete design. The capital request and concept for the property is to renovate the old building for an Agricultural Museum and demonstration, plus a new building as part of co-op extension with a commercial kitchen. The property is 2.2 acres and will include greenhouses and orchards, as well. The first step in the A/E design will be to confirm the program.
- **Tree Campus USA Update** (Joel Koci)
  - VSU earned recognition as a Tree Campus USA for the 8th consecutive year on February 7, 2022 for work completed in 2021. To obtain this distinction, the campus met five core standards for sustainable campus forestry, including:
    - Establishment of a tree advisory committee
    - Evidence of a tree care plan
    - Dedicated annual expenditures for the campus tree program
    - An Arbor Day observance
    - Sponsorship of student service-learning projects
  - This year, Joel has to update the tree care plan, which includes three (3) trees near the Campus entrance at Matthews Jefferson Drive, all Willow Oaks near the guard shack. Joel plans to take soil samples and report back to the committee on recommended actions.
  - Joel requested that the University refer to ANSI standards for pruning in any bid documents for landscaping.
  - Joel is going to put tree protection signs around the Pecan at the Academic Commons project. Joel believes that the diameter at breast height is approximately 36" diameter, which would equate to mitigation of 15,000 gallons/year of stormwater.
  - Jane thinks that campus construction will lead to a lot of opportunity to plant new trees.
- **Teach-in for Climate Change** (Sarah Melissa Witiak), March 30 – <https://www.solveclimateby2030.org/>
  - How can we leverage this event to coincide with our Tree Campus USA objectives? We will discuss further at our next meeting. Aislinn will send Dr. Witiak the most recent MS4 Presentation that we use for compliance with MCMs 1 and 2, Public Education and Public Participation.
- **Spring Service Event** (Group Discussion)
  - Dates:
    - **First year service day/morning – Saturday, April 16** – We will take advantage of this date to use for our Arbor Day observance, sponsorship of service-learning project, and MS4 public participation event. There may be as many as 300 people in attendance.
    - Earth Day - Friday, April 22
    - Trojan Wellness Day - Thursday, April 28
    - Arbor Day - Friday, April 29



## VSU Tree Campus USA Meeting Minutes

Wednesday, February 23, 2022 @ 4PM

- Ideas:
  - Plant large, orange planters
  - Plant other items
  - Conduct campus clean up
  - Stain picnic tables
  - Include Arbor Day observation
- Other Ideas
  - Joel mentioned that Alpha Kappa Alpha sorority is a member of the Arbor Day Foundation, so we wondered if they would like to participate in our event? Jane will talk with Regina as a follow-up to see if sororities and fraternities would like to participate.
  - Heather suggested we could help publicize an April 30 FOLAR clean-up activity, for interested participants.
  - JRA does invasive plant species removal, which may be a good way to start clean-up for invasive plants in the future.
  -
- **Executive Order 77-2021** (Jane Harris)
  - The single use plastics order seems to have lost traction with the new administration, no updates. However, there is a bill at the state that would require solar panels for roofs of all new buildings and renovations where the enhancement is 50% or more that VSU is following.
- **Other Business**
  - FOLAR is hiring a part time position for Invasive Species Removal & Volunteer Outreach: <https://www.connectva.org/job/invasive-plants-educator-and-volunteer-coordinator/>
- **Next Meeting**
  - **March 23 @4pm**



## VSU Tree Campus USA Meeting Agenda

Wednesday, March 23, 2022 @ 4PM

**Format-** ZOOM- Virtual and In-person

**Attendees:** Jane Harris, Jonathan Taylor, Gil Hanzlik, Labon Rutto, Juan Martir, Neal Beasley, Aislinn Creel, Sarah Melissa Witiak

### Minutes:

- **Tree Care Plan Update** (Joel Koci) – In Joel’s absence, Aislinn conveyed his emailed update:
  - He is assisting the Entomology researcher at Hampton Rhoades Ag Research and Extension by setting up traps for the new Ambrosia beetle.
  - He is going to send information on a growth regulator to address the trees of concern at the entrance by the guard house.
- **Spring Service Event** (Group Discussion)
  - Date: Saturday, April 16
  - Event Activities:
    - We will have a very brief Arbor Day Observation and mention of MS4 at the beginning of the event.
    - Food bank distribution with the Alumni Association (6 volunteers)
    - Stain tables
    - Move tables from Fitness Park and add benches
    - Campus Landscaping (40 people registered)
      - Large orange planters
        - Six new planters will be placed, and need planted at entrances to Jones Dining Hall (2), Anderson Hall (2), and Foster Hall (2). They will be planted with Japanese Maples, orange Day Lillies, and Coreopsis
        - 10 existing planters will need the cabbage replaced with the understory listed above
      - Plant 10 trees around campus
        - 2 Figs from the College of Agriculture – these will be planted in the west lawn of Jones Dining Hall
        - 1 Flowering Plum Thundercloud will be planted at Foster Hall near the apple trees
        - 6 Muskogee Crepe Myrtles to be planted around the campus (locations to be determined)
        - 3 Linden Trees will be planted along streets (location to be determined) to replace the Bradford Pears (stumps will need grinded first)
        - **Action Item: Neal will use the attached Master Tree Planting Plan to propose locations of the Crepe Myrtles and the Lindens to be prepped prior to the event.**
    - Campus clean-up (40 volunteers)
    - Solar swings (contingent upon arrival)
    - Blue planters (25) for campus beautification at the entrances (contingent upon arrival)

**Next Meeting: Wednesday, April 20 @ 4PM (virtual)**



## VSU Tree Campus USA Meeting Minutes

Wednesday, April 13, 2022 @ 4PM

**Format-** ZOOM- Virtual and In-person

**Attendees:** Jane Harris, Jonathan Taylor, Gil Hanzlik, Chris Grammar, Joel Koci, Neal Beasley, Aislinn Creel, Sarah Melissa Witiak

### Minutes:

- **Spring Service Event** (Group Discussion)
  - Date: Saturday, April 16, assuming start time is 9:30 am
  - Event Activities:
    - We will have a very brief Arbor Day Observation and mention of MS4 at the beginning of the event. This may just be accomplished with signage at the registration area.
    - Food bank distribution with the Alumni Association (6 volunteers)
    - Stain tables
    - Campus Landscaping (40 people registered)
      - Large orange planters
        - Six new planters have been placed and will be planted at entrances to Jones Dining Hall (2), Anderson Hall (2), and Foster Hall (2). They will be planted with Japanese Maples, orange Day Lilies, and Coreopsis
        - 10 existing planters will need the cabbage replaced with the understory listed above
      - Plant trees around campus
        - 2 Figs from the College of Agriculture – these will be planted in the west lawn of Jones Dining Hall
        - 6 Muskogee Crepe Myrtles to be planted around the campus (locations to be determined)
        - 3 Red buds to be replaced along University Avenue
        - 1 Flowering Plum Thundercloud will be planted at Foster Hall near the apple trees
    - Campus clean-up (40 volunteers)
    - Move tables from Fitness Park and add benches (fall back as a last resort, if needed)
- **Arbor Day** – There will be a formal Arbor Day observance on April 29 at Harding Street. Joel will send details to share with the committee.



Attendance

6/28/2022

In person

Aislinn Creel

Gic Hanzlik

Joel Kozl

Janet Harris

Neal Beasley

Jonathan Taylor

Virtual

Sarah Melissa Wittak

Juan Matir

Heather Barrar



ABM - include arborist services in upcoming contract

# Minutes

① Joel presented picture + presented solution for tree in jeopardy at entrance cambistat - tree growth regulator wants to put in all 3 trees, one at post + other + then one across the street  
 - Jane requested all info in one scope  
 - Joel will write the specs +

② When pruning done by ball field - they missed some deadwood on Hayden street  
 - they didnt prune according to standards  
 - Joel will write specs to say they have to prune per ansii standards  
 → action Rick Bryan with Arborscapes

③ Joel - update Tree Care Plan  
 - with more stringent references in pruning

④ Storm Fall  
 - Erik <sup>Martin</sup> Joel to get ahold of Erik  
 - tree need more root zone/pruning off root  
 no problem to create tree plan for that tree

⑤ 2021 plaque at Wilder - } put stamp on it and call it a day  
 - covid mass videos  
 - Jane won award environmental award for video presentations

⑥ Joel send grant application this fall Urban Forestry grants from Trees VA  
 - Robert Corley - interim dean - of Ag  
 - Jane send more on



⑦ topical snippets for MSU on website

— next meeting August —

**CLASSROOM PRESENTATION @  
TREE CAMPUS USA MEETING**



Attendance

6/28/2022

In person

Aislinn Creel

Gic Hanzlik

Joel Kow

Janet Harris

Neal Beasley

Jonathan Taylor

Virtual

Sarah Melissa Wittak

Juan Matir

Heather Barrar





# WHAT IS STORMWATER MANAGEMENT & WHY DOES IT MATTER?


Aislinn Creel, PE  
[WWW.TIMMONS.COM](http://WWW.TIMMONS.COM)



1


## What is Stormwater?

- Water that originates from rain or melted snow/ice



## What is Stormwater Runoff?

- Water than runs off rooftops, parking lots, streets, yards, sidewalks, fields, etc. into storm drains and eventually outfalls to lakes, rivers, and streams.



[WWW.TIMMONS.COM](http://WWW.TIMMONS.COM)

2

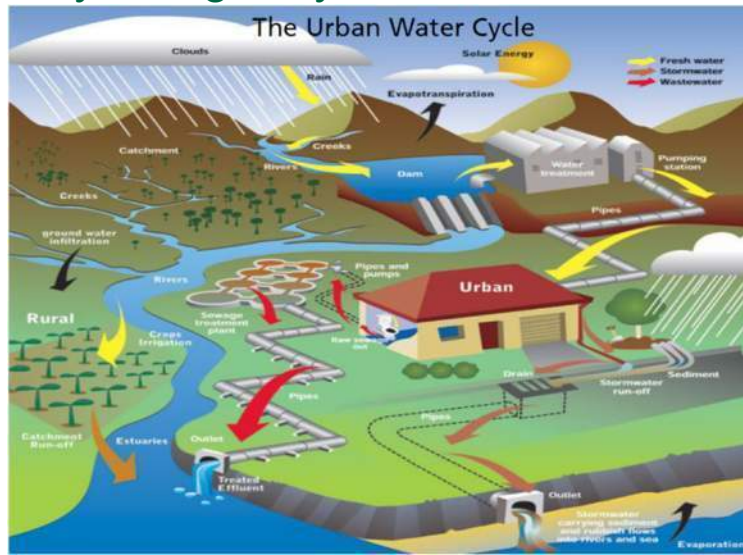
# The Hydrologic Cycle



WWW.TIMMONS.COM | 3

3

# The Hydrologic Cycle after Urbanization



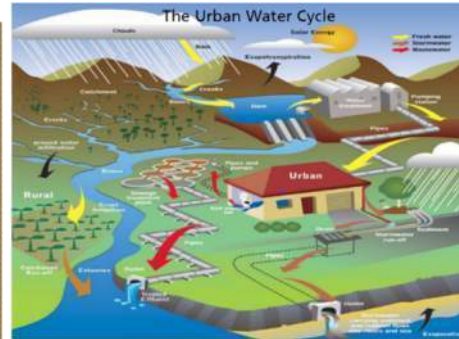
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4

# The Hydrologic Cycle Timeline



How Many Years?  
(pervious ground cover)

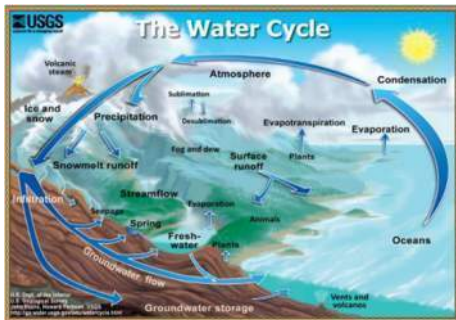


How Many Years?  
(impervious ground cover)

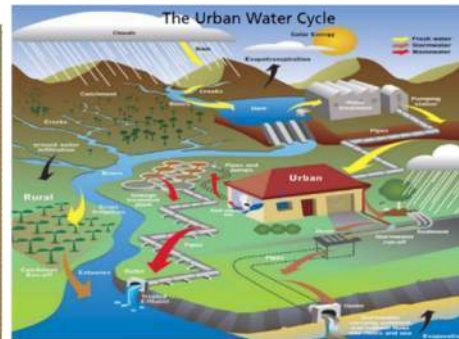


5

# The Hydrologic Cycle Timeline



How Many Years?



How Many ~~Years?~~  
**Minutes!**

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What is the effect when the hydrologic cycle is reduced to minutes?



7

What is the effect when the hydrologic cycle is reduced to minutes?



8



What is the effect when the hydrologic cycle is reduced to minutes?

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9

What is the effect when the hydrologic cycle is reduced to minutes?



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## Stormwater Pollutants

Fertilizers

Oils & Greases

Bacteria

Deicers

Sediment

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## Stormwater Pollutants

Trash

12

## Why is it important to manage and treat stormwater?

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## Why is it important to manage and treat stormwater?

- Protects our properties from erosion and flooding
- Ensures the water bodies are safe for recreation and aquatic life
- Ensures safe drinking water for us



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## Another View of the Water Cycle - Stormwater

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## How is Stormwater Management Regulated?

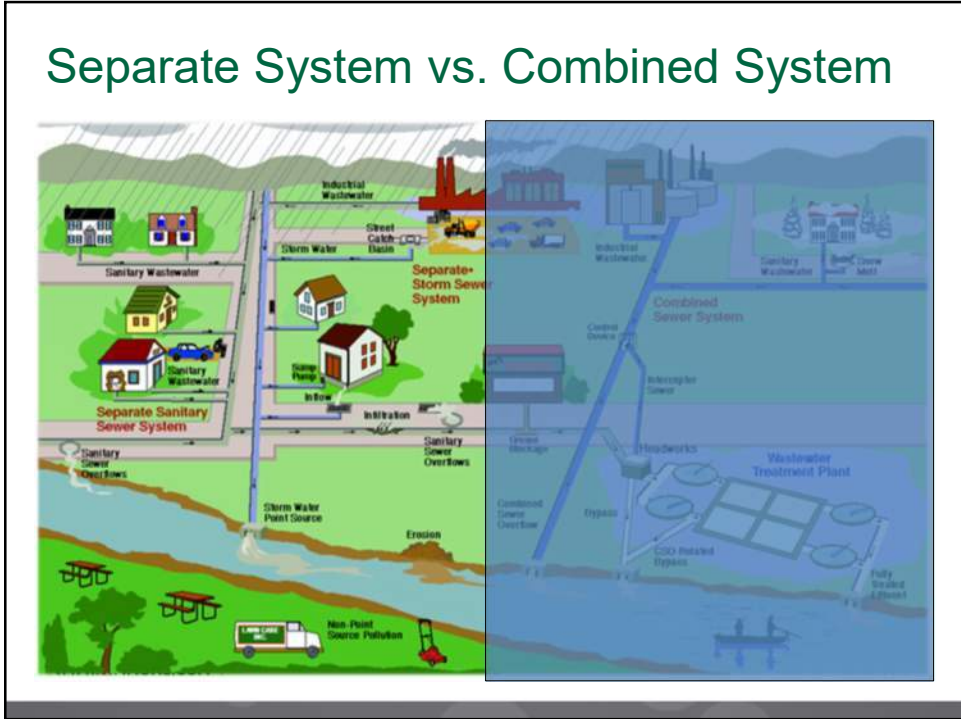
- The Law: Clean Water Act (1972)
- Regulations: The National Pollutant Discharge Elimination System (NPDES)
  - Administration
  - Permits
  - Enforcement
- State Water Control Board
  - State Water Control Law
  - Virginia Administrative Code
- VA DEQ

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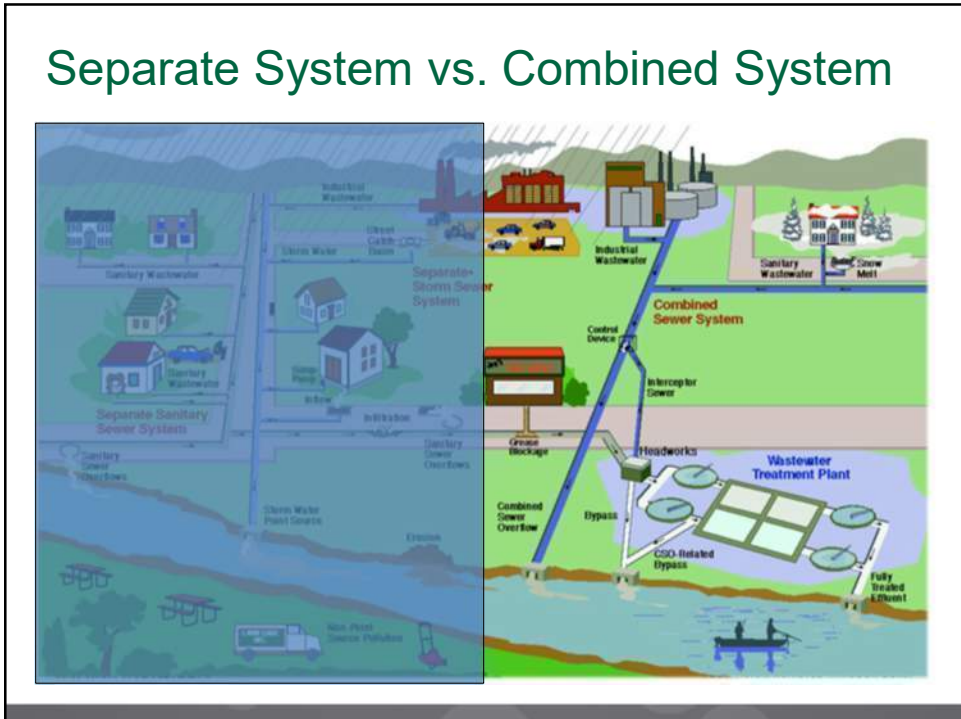


## Separate System vs. Combined System



17

## Separate System vs. Combined System



18

# How is Stormwater Management Regulated?



- Municipal Separate Storm Sewer System (MS4) Operators under an MS4 General Permit.
  - An MS4 Operator can be:
    - Cities or counties
    - Colleges or Universities
    - Correctional facilities
    - Hospitals
    - Military Bases



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# MS4s must comply with 6 Minimum Control Measures (MCM) and Special Conditions

## MCMs

1. Public Outreach and Education
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff
5. Post-Construction Stormwater Management
6. Pollution Prevention/Good Housekeeping

## Special Conditions

1. Chesapeake Bay TMDL
2. Local TMDLs



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<https://law.lis.virginia.gov/admincode/title9/agency25/chapter890/section40/>

## MCM 1: Public Outreach and Education

- Develop and **implement a program that promotes awareness of pollution prevention techniques** and engagement with local watershed quality.
- VSU Application:
  - Administration sends out stormwater awareness emails to students and staff.



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## MCM 2: Public Involvement/Participation

- Provide opportunities for the **public to play an active role** in both the development and implementation of the program.
- VSU Application:
  - Tree Campus USA
  - Service Events
  - Stormwater Presentations to Classes



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### MCM 3: Illicit Discharge Detection & Elimination

- Identify all storm sewer infrastructure, outfalls, and receiving streams
- Ensure no illicit discharges enter the system.
- Once an illicit discharge is identified and/or detected, the source must be eliminated!



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### MCM 3: Illicit Discharge Detection & Elimination

**MS4 Outfall Condition**

- Green: Good
- Yellow: Fair
- Red: Poor

**Legend**

- MS4 Outfall
- MS4 Inlet
- Stormwater Management Facility
- Receiving Stream
- Stormwater Pipe

MS4 Outfall Condition Map  
April 2019

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**Stormwater Outfall Inspection**

Inspector: [Name] Date: [Date] Inspector ID: [ID]

Location: [Address]

Inspection Item	Inspected	Compliant	Notes
Flow	Yes	Yes	
Structure	Yes	Yes	
Access	Yes	Yes	
Flow Path	Yes	Yes	
Flow Path Location	Yes	Yes	

Inspector Signature: [Signature]

**Stormwater Outfall Inspection**

Inspector ID: [ID] Date: [Date] Inspector Name: [Name]

Location: [Address]

Inspector Signature: [Signature]

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## MCM 4: Construction Site Stormwater Runoff Control

- Implement measures that prohibit sediment and pollutants from leaving construction activities and from entering the storm sewer system.
- Examples:
  - Construction entrance
  - Silt fence
  - Matting/Mulching
  - Storm drain inlet protection

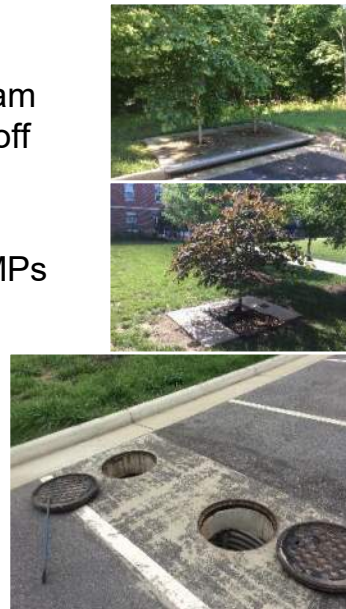


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25

## MCM 5: Post-Construction Stormwater Management

- Implement and enforce a program to reduce post-construction runoff to their storm sewer system.
- Includes a combination of structural and non-structural BMPs
  - Detention ponds
  - Retention ponds
  - Bioretention
  - Permeable pavement
  - Proprietary BMPs



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## Campus Stormwater Management Facilities



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## MCM 6: Pollution Prevention & Good Housekeeping

- Requires the operator to examine and alter their procedures to help minimize or prevent pollutant discharge from daily maintenance operations, equipment maintenance, and handling of herbicides, pesticides, and fertilizers.
- Common pollution prevention & good housekeeping practices:
  - Maintaining storm inlets
  - Covering maintenance equipment
  - Keeping lids on trash cans



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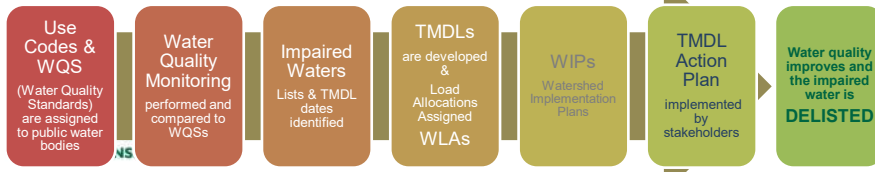
30

## Special Conditions - TMDLs

- Total Maximum Daily Load “pollution diet”
- Chesapeake Bay TMDL
  - TP, TN, TSS
- Local TMDLs
  - Bacteria
  - PCBs
  - Sediment



Source: Chesapeake Bay TMDL Fact Sheet, US EPA and the Chesapeake Bay Program



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## Fleets Branch Stream Restoration



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## Fleets Branch Stream Restoration



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## Fleets Branch Stream Restoration



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# What Can You Do About Protecting Our Waters on Campus?

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# What Can You Do About Protecting Our Waters on Campus?



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## What Can You Do About Protecting Our Waters?



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## What Can You Do About Protecting Our Waters Everywhere?

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## What Can You Do About Protecting Our Waters Everywhere?

- Don't dump anything into the storm drains
- Limit fertilizer use
- Wash your cars at a permitted Car Wash
- Pick up after your pet
- Educate others on the importance of water quality



39

## Questions?



**MS4 Programs are required that we are preventing pollutants from washing into our water bodies.**

**The goal is clean water for recreation, aquatic life, & drinking water!**

40



## Graphic/Photo References

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- <http://www.facilities.vt.edu/udc/sid/ms4/mcm2.asp>
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- [http://www.google.com/imgres?imgurl=http%3A%2F%2Fwww.clker.com%2Fclipart-river-water.html&h=0&w=0&tbnid=wDIQxgh\\_bLTOM&zoom=1&tbnh=93&tbnw=480&docid=TZiqQLqRYmk-IM&hl=en&tbnisch&ei=4BRMU5b\\_DKfvOgHEsoHYCw&ved=0CAUQsCUoAQ](http://www.google.com/imgres?imgurl=http%3A%2F%2Fwww.clker.com%2Fclipart-river-water.html&h=0&w=0&tbnid=wDIQxgh_bLTOM&zoom=1&tbnh=93&tbnw=480&docid=TZiqQLqRYmk-IM&hl=en&tbnisch&ei=4BRMU5b_DKfvOgHEsoHYCw&ved=0CAUQsCUoAQ)
- [http://ian.umces.edu/imagelibrary/albums/userpics/10002/normal\\_ian-symbol-water-drinking-water-treatment-plant.png](http://ian.umces.edu/imagelibrary/albums/userpics/10002/normal_ian-symbol-water-drinking-water-treatment-plant.png)
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- [http://i.dailymail.co.uk/i/pix/2013/05/24/article-2330662-18D5914000005DC-733\\_638x463.jpg](http://i.dailymail.co.uk/i/pix/2013/05/24/article-2330662-18D5914000005DC-733_638x463.jpg)

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**MCM 3 ILLICIT DISCHARGE DETECTION & ELIMINATION  
DOCUMENTATION**

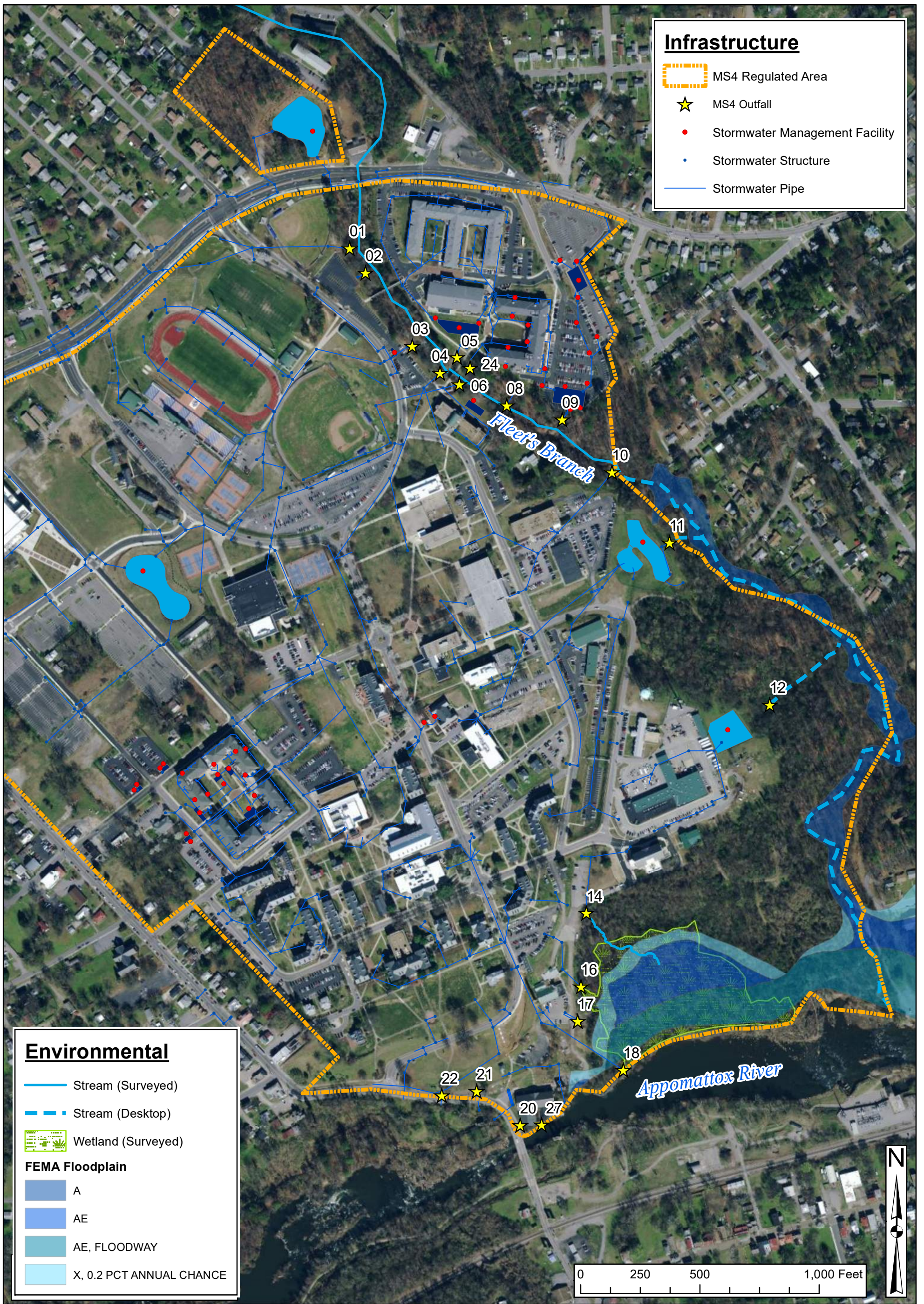
**VSU**

**Illicit Discharge Detection Summary**

Inspections Conducted on May 31, 2022

<b>Outfall ID</b>	<b>Potential Illicit Discharge Detected?</b>
1	No
2	No
3	No
4	No
5	No
6	No
8	No
9	No
10	No
11	No
12	No
14	No
16	No
17	No
18	No
20	No
21	No
22	No
24	No
27	No





**Infrastructure**

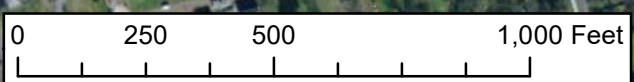
- MS4 Regulated Area
- MS4 Outfall
- Stormwater Management Facility
- Stormwater Structure
- Stormwater Pipe

**Environmental**

- Stream (Surveyed)
- Stream (Desktop)
- Wetland (Surveyed)

**FEMA Floodplain**

- A
- AE
- AE, FLOODWAY
- X, 0.2 PCT ANNUAL CHANCE



**MS4 Outfall Map  
May 2019**







## Stormwater Outfall Inspection


Outfall ID: 01	Date: 05/31/2022	Time: 8:49am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	--------------	----------------------------------------

LAST RAINFALL		
Depth (in): 0.06	End Date: 05/28/2021	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

FLOW				
Present?	Yes	If yes:	Approx. discharge rate:	Moderate
			Approx. depth of flow (in):	0.25

POTENTIAL POLLUTANT INDICATORS			
Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	<b>Yes</b>	FlowLine	2
Poor Pool Quality	<b>Yes</b>	Floatables, sediment, and debris	2
Pipe Benthic Growth	No	NA	NA

**Notes:**  
 Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area. Reddish staining on rocks in pool and in pipe could indicate potential high iron concentrations or groundwater present and should continue to be monitored. Some trash, sediment and debris present in outfall pool that is recommended to be removed.

CERTIFICATION:	
If no suspected illicit discharge is identified, certify the following:	
"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."	
 <hr style="width: 30%; margin: 0 auto;"/> Signature	05/31/2022 <hr style="width: 30%; margin: 0 auto;"/> Date



## Stormwater Outfall Inspection

Outfall ID: 01	Date: 05/31/2022	Time: 8:49am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41963, 37.24291

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 02	Date: 05/31/2022	Time: 08:57am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
------------------	----------------------	------------------

Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS


Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	No	NA	NA
Poor Pool Quality	Yes	Sediment	1
Pipe Benthic Growth	No	NA	NA

**Notes:**  
 The pipe looked clear of both flow and illicit discharge indicators. Slight head cut into receiving stream should continue to be monitored.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

  
 \_\_\_\_\_  
 Signature

05/31/2022  
 \_\_\_\_\_  
 Date





## Stormwater Outfall Inspection

Outfall ID: 02	Date: 05/31/2022	Time: 08:57am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

### VICINITY MAP



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### PHOTOGRAPHS







## Stormwater Outfall Inspection


Outfall ID: 03	Date: 05/31/2022	Time: 09:04am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

LAST RAINFALL		
Depth (in): 0.06	End Date: 05/28/2021	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

FLOW				
Present?	Yes	If yes:	Approx. discharge rate:	Moderate
			Approx. depth of flow (in):	2

POTENTIAL POLLUTANT INDICATORS			
Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	<b>Yes</b>	Flowline	2
Poor Pool Quality	<b>Yes</b>	Suds, floatables, debris	2
Pipe Benthic Growth	<b>Yes</b>	Brown, green	2

Notes:  
 Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area. Green and brown algae was present in pipe toward top of flowline. Some trash and debris present in the outfall pool that is recommended to be removed.

CERTIFICATION:	
If no suspected illicit discharge is identified, certify the following:	
"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."	
 <hr style="width: 30%; margin: 0 auto;"/> Signature	05/31/2022 <hr style="width: 30%; margin: 0 auto;"/> Date



## Stormwater Outfall Inspection

Outfall ID: 03	Date: 05/31/2022	Time: 09:04am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

### VICINITY MAP



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-77.4188, 37.2418

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 04	Date: 05/31/2022	Time: 09:21am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
------------------	----------------------	------------------

Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	Yes	If yes:	Approx. discharge rate:	Trickle
			Approx. depth of flow (in):	0.1

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	FlowLine	2
Poor Pool Quality	Yes	Floatables	2
Pipe Benthic Growth	No	NA	NA

#### Notes:

Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area. Some trash present in outfall pool, it appears to be from people throwing over adjacent bridge edge and not necessarily from the outfalls flow, that is recommended to be removed. Riprap in outfall pool has been covered by concrete and is recommended to be corrected.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

\_\_\_\_\_  
Signature

05/31/2022

\_\_\_\_\_  
Date

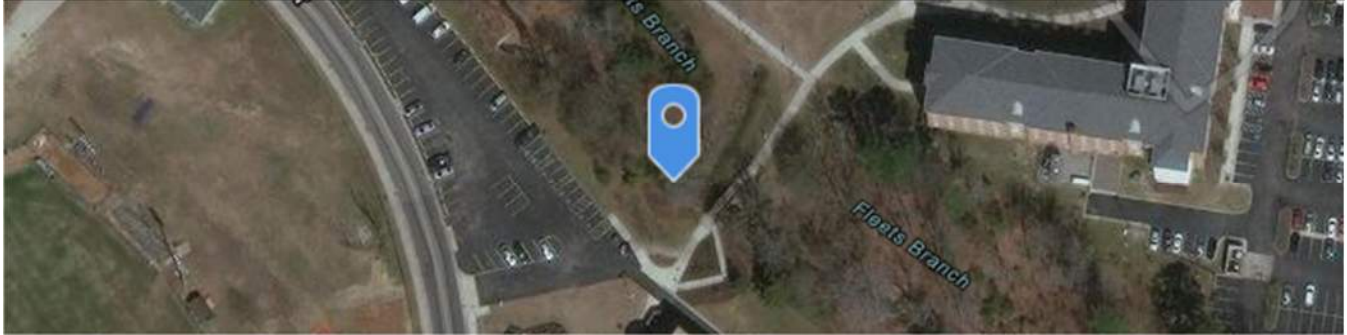




## Stormwater Outfall Inspection

Outfall ID: 04	Date: 05/31/2022	Time: 09:21am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

### VICINITY MAP



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-77.41839, 37.24147

### PHOTOGRAPHS







## Stormwater Outfall Inspection


Outfall ID: 05	Date: 05/31/2022	Time: 09:13am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

LAST RAINFALL		
Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

FLOW				
Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

POTENTIAL POLLUTANT INDICATORS			
Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	Yes	Rancid/sour	2
Turbidity	Yes	See Severity Index	2
Floatables	Yes	Trash	3
Deposits/Stains	Yes	Flowline, sediment, and debris	2
Poor Pool Quality	Yes	Odors, colors, excessive algae, floatables, oil sheen	2
Pipe Benthic Growth	Yes	Green	2

**Notes:**  
 The outfall is partially submerged and believed to be in backwater. The BMP inspection upstream, which included confined space entry, indicated no pollutants present in the upstream BMP. Therefore, the discharges from this outfall are not suspected of illicit discharges. However, the water quality at the pool, including the presence or algae, trash, sediment, oil sheen and landscaping debris could indicate pollutants due to the water sitting stagnant for long periods of time. With excessive trash, sediment and landscaping debris removed, it is believed the water would be able to flow freely and the water quality would improve.

CERTIFICATION:	
If no suspected illicit discharge is identified, certify the following:	
"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."	
 <hr style="width: 50%; margin: 0 auto;"/> Signature	05/31/2022 <hr style="width: 50%; margin: 0 auto;"/> Date



## Stormwater Outfall Inspection

Outfall ID: 05	Date: 05/31/2022	Time: 09:13am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

### VICINITY MAP



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### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 06	Date: 05/31/2022	Time: 09:31am	Inspector: Jessica Slagle & Hailey Fry
----------------	------------------	---------------	----------------------------------------

### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
------------------	----------------------	------------------

Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	Yes	If yes:	Approx. discharge rate:	Moderate
			Approx. depth of flow (in):	0.5

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	FlowLine, sediment, and trash	2
Poor Pool Quality	Yes	Riprap and debris block half of pipe	2
Pipe Benthic Growth	Yes	Brown	2

Notes:  
 Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area. Outfall is partially blocked by vegetation, sediment, and riprap/broken concrete which is recommended to be removed.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

\_\_\_\_\_  
 Signature

05/31/2022

\_\_\_\_\_  
 Date





## Stormwater Outfall Inspection

Outfall ID: 06	Date: 05/31/2022	Time: 09:31am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



Maxar, Microsoft | Esri Community Maps Contributors, VITA, BuildingFootprintUSA, Esri, HERE, Garmi... Powered by Esri  
-77.4181, 37.24133

### PHOTOGRAPHS







## Stormwater Outfall Inspection

Outfall ID: 08	Date: 05/31/2022	Time: 9:44am	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.04	End Date: 05/28/2022	End Time: 4:15am
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Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS


Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	NA	NA
Floatables	No	NA	NA
Deposits/Stains	<b>Yes</b>	FlowLine, sediment, and debris	2
Poor Pool Quality	<b>Yes</b>	Moss, debris, and undercutting	2
Pipe Benthic Growth	No	NA	NA

Notes:  
Possibly abandoned.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

  
 \_\_\_\_\_  
 Signature

05/31/2022  
 \_\_\_\_\_  
 Date



## Stormwater Outfall Inspection

Outfall ID: 08	Date: 05/31/2022	Time: 9:44am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



Maxar, Microsoft | Esri Community Maps Contributors, VITA, BuildingFootprintUSA, Esri, HERE, Garmi... Powered by Esri  
-77.41751, 37.24104

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 09	Date: 05/31/2022	Time: 09:52am	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS


Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	FlowLine and sediment	2
Poor Pool Quality	Yes	Floatables, trash, sediment, and debris	2
Pipe Benthic Growth	No	NA	NA

**Notes:**  
 The pipe looked clear of illicit discharge indicator. Despite hearing flow nothing was observed. The pipe has become disconnected from the flume and is likely disjointed further upstream as well. It is recommended CCTV be used to determine locations of broken joints and have them repaired to prevent further erosion and outfall failure.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."


---

Signature

05/31/2022

---

Date

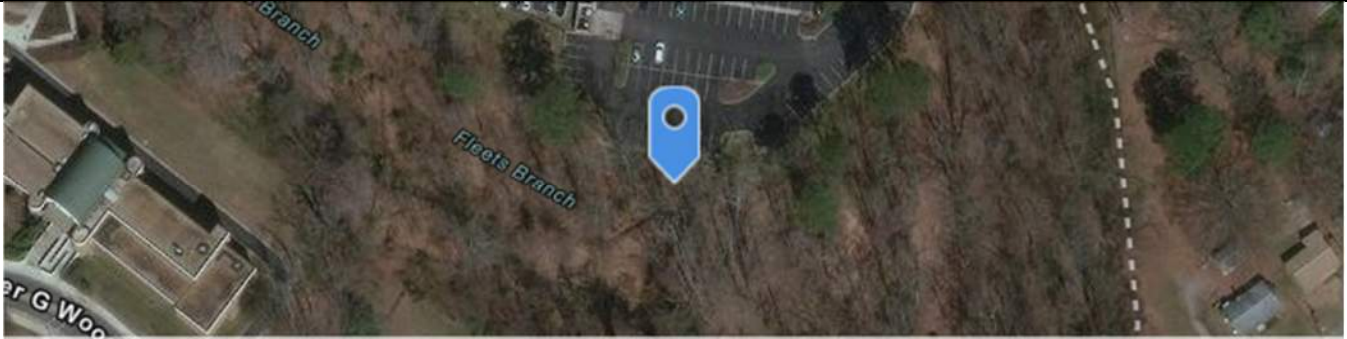




## Stormwater Outfall Inspection

Outfall ID: 09	Date: 05/31/2022	Time: 09:52am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



Maxar, Microsoft | Esri Community Maps Contributors, VITA, BuildingFootprintUSA, Esri, HERE, Garmi... Powered by Esri  
-77.41665, 37.24095

### PHOTOGRAPHS







## Stormwater Outfall Inspection


Outfall ID: 10	Date: 05/31/2022	Time: 10:46am	Inspector: Jessica Slagle & Hailey Fry
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LAST RAINFALL		
Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

FLOW				
Present?	Yes	If yes:	Approx. discharge rate:	Moderate
			Approx. depth of flow (in):	0.2

POTENTIAL POLLUTANT INDICATORS			
Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	<b>Yes</b>	FlowLine	2
Poor Pool Quality	<b>Yes</b>	Floatables, debris, and headcut	3
Pipe Benthic Growth	No	NA	NA

Notes:  
 Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area. Severe downcutting of receiving channel.

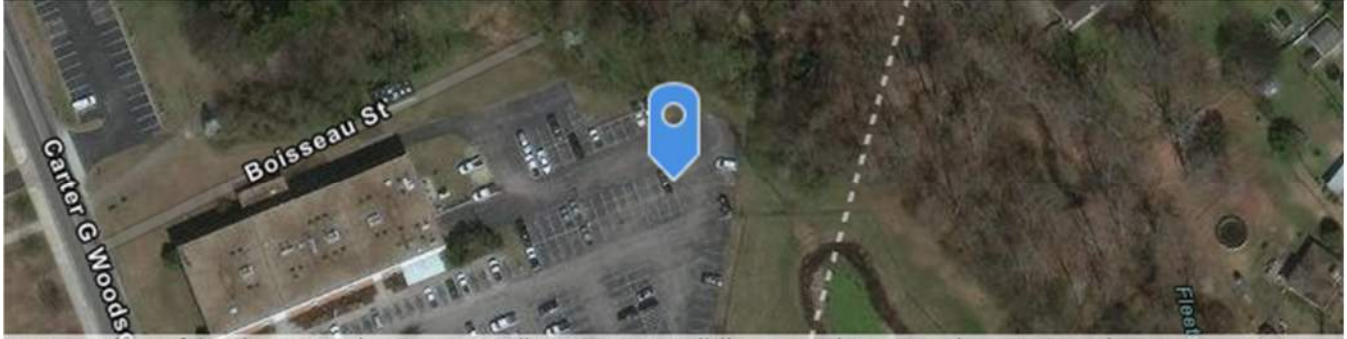
CERTIFICATION:	
If no suspected illicit discharge is identified, certify the following:	
"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."	
 _____ Signature	05/31/2022 _____ Date



## Stormwater Outfall Inspection

Outfall ID: 10	Date: 05/31/2022	Time: 10:46am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



Maxar, Microsoft | Esri Community Maps Contributors, VITA, BuildingFootprintUSA, Esri, HERE, Garmi... Powered by Esri  
-77.4161, 37.23988

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 11	Date: 05/31/2022	Time: 11:11am	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
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Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	Yes	If yes:	Approx. discharge rate:	Moderate
			Approx. depth of flow (in):	1

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	Yes	See Severity Index	2
Floatables	Yes	Sheen, suds	2
Deposits/Stains	Yes	FlowLine	2
Poor Pool Quality	No	NA	NA
Pipe Benthic Growth	Yes	Orange	2

### Notes:

Not suspected of an illicit discharge because the flow rate has been steady over the course of many years. It is important to note this is the outfall to an upstream BMP (BMP #30). The BMP has noted excessive duckweed. It is suspected the excessive duckweed indicates the pond likely has turned it anaerobic. Construction was found to be present in the contributing drainage area. Headwall of pipe is beginning to erode.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

Signature

05/31/2022

Date





## Stormwater Outfall Inspection

Outfall ID: 11	Date: 05/31/2022	Time: 11:11am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41512, 37.23947

### PHOTOGRAPHS







## Stormwater Outfall Inspection

Outfall ID: 12	Date: 05/31/2022	Time: 11:25am	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
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Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	FlowLine	2
Poor Pool Quality	Yes	Floatables, and debris	2
Pipe Benthic Growth	No	NA	NA

### Notes:

The pipe looked clear of both flow and illicit discharge indicators. It is recommended the outfall be cleared of tree branches and debris currently obstructing the outfall.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

Signature

05/31/2022

Date



## Stormwater Outfall Inspection

Outfall ID: 12	Date: 05/31/2022	Time: 11:25am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



-77.41386, 37.23749

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 14	Date: 05/31/2022	Time: 11:39am	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS


Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	No	NA	NA
Poor Pool Quality	Yes	Floatables and some riprap blocking pipe	2
Pipe Benthic Growth	No	NA	NA

**Notes:**  
 Outfall has been reconstructed to stabilize erosion and is now double barrel. The pipe looked clear of both flow and illicit discharge indicators. Potential ground water present in outfall pool as well as trash. Some riprap is blocking pipe and there is a large headcut downstream of the newly riprapped pool.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."


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Signature

05/31/2022

---

Date

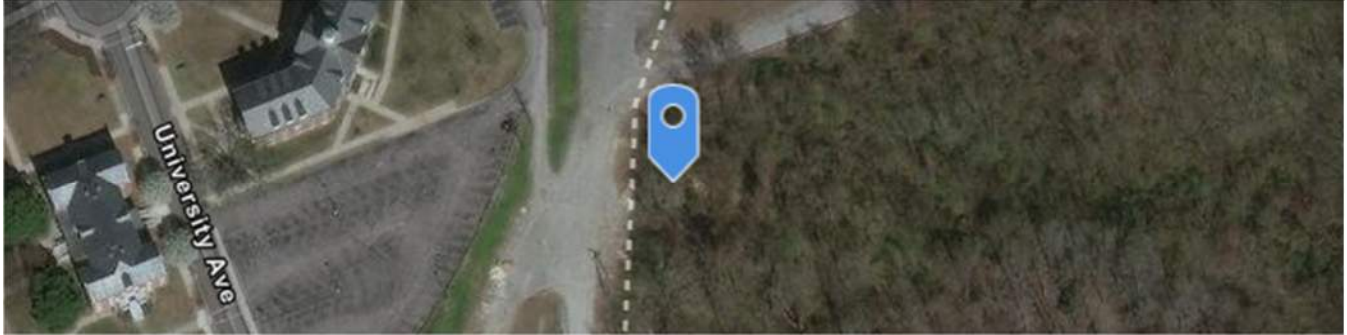




## Stormwater Outfall Inspection

Outfall ID: 14	Date: 05/31/2022	Time: 11:39am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



-77.41638, 37.23514

### PHOTOGRAPHS







## Stormwater Outfall Inspection

Outfall ID: 16	Date: 05/31/2022	Time: 11:53am	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

### FLOW

Present?	Yes	If yes:	Approx. discharge rate:	Trickle
			Approx. depth of flow (in):	0.1

### POTENTIAL POLLUTANT INDICATORS


Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	<b>Yes</b>	Sediment	2
Poor Pool Quality	<b>Yes</b>	Landscape debris, construction debris, channelized	2
Pipe Benthic Growth	No	NA	NA

**Notes:**  
 Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area. Pipe is partially submerged and filled with sediment. Some trash, debris and vegetation is present in the outfall pool that is recommended to be removed. Channelization is occurring just downstream of outfall pool which may require stabilization in the future.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."


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Signature

05/31/2022

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Date



## Stormwater Outfall Inspection

Outfall ID: 16	Date: 05/31/2022	Time: 11:53am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41646, 37.23447

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 17	Date: 05/31/2022	Time: 12:31pm	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	<b>Yes</b>	Sediment	2
Poor Pool Quality	<b>Yes</b>	Floatables, debris and sediment	2
Pipe Benthic Growth	No	NA	NA

#### Notes:

The pipe looked clear of both flow and illicit discharge indicators. There was a significant amount of sediment buildup in the pipe as well as in the outfall pool. It is recommended the sediment, trash and landscape debris be removed from the pipe as well as the outfall pool.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

\_\_\_\_\_

Signature

05/31/2022

\_\_\_\_\_

Date





## Stormwater Outfall Inspection

Outfall ID: 17	Date: 05/31/2022	Time: 12:31pm	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41643, 37.23407

### PHOTOGRAPHS







## Stormwater Outfall Inspection

Outfall ID: 18	Date: 05/31/2022	Time: 12:43pm	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
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Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	Yes	If yes:	Approx. discharge rate:	Moderate
			Approx. depth of flow (in):	0.2

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	FlowLine	2
Poor Pool Quality	Yes	Floatables and pieces of broken pipe	2
Pipe Benthic Growth	No	NA	NA

#### Notes:

Outfall 18 was located along the Appomattox River, and extremely difficult to access due to excessive vegetation. The outfall was crushed by multiple tree branches and roots, it is recommended it be restored. Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream lead to conversation with maintenance staff, Kenny. Based on maintenance investigation it is believed that there is a water main break at the round-a-bout where College Ave and Hayden St meet. Changes to the flow were found upstream between College Ave and Hayden St structures. Construction was found to be present in the contributing drainage area.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

Signature

05/31/2022

Date



## Stormwater Outfall Inspection

Outfall ID: 18	Date: 05/31/2022	Time: 12:43pm	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41585, 37.23336

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 20	Date: 05/31/2022	Time: 1:05pm	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS


Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	<b>Yes</b>	Trash, debris and sediment	2
Poor Pool Quality	<b>Yes</b>	Floatables and debris	2
Pipe Benthic Growth	No	NA	NA

**Notes:**  
 The pipe looked clear of both flow and illicit discharge indicators. It is recommended the outfall be cleared of vegetation, trash and sediment in the area.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

  
 \_\_\_\_\_  
 Signature

05/31/2022  
 \_\_\_\_\_  
 Date





## Stormwater Outfall Inspection

Outfall ID: 20	Date: 05/31/2022	Time: 1:05pm	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41735, 37.23279

### PHOTOGRAPHS







## Stormwater Outfall Inspection

Outfall ID: 21	Date: 05/31/2022	Time: 01:29pm	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 04:15am
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Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	Yes	Trash	2
Deposits/Stains	Yes	FlowLine, trash, and sediment	3
Poor Pool Quality	Yes	Floatables, and undercutting	3
Pipe Benthic Growth	No	NA	NA

### Notes:

The pipe looked clear of both flow and illicit discharge indicators. The pipe, however, is completely blocked by trash. It is recommended that the trash and sediment be removed from the pipe.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

Signature

05/31/2022

Date



## Stormwater Outfall Inspection

Outfall ID: 21	Date: 05/31/2022	Time: 01:29pm	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41799, 37.23302

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 22	Date: 05/31/2022	Time: 01:21pm	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2021	End Time: 4:14am
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Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	Yes	If yes:	Approx. discharge rate:	Moderate
			Approx. depth of flow (in):	0.25

### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	FlowLine	2
Poor Pool Quality	Yes	Floatables and debris	2
Pipe Benthic Growth	Yes	Green	2

#### Notes:

Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area. Some trash and debris present in the outfall pool that is recommended to be removed.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

\_\_\_\_\_

Signature

05/31/2022

\_\_\_\_\_

Date





## Stormwater Outfall Inspection

Outfall ID: 22	Date: 05/31/2022	Time: 01:21pm	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



Maxar, Microsoft | Esri Community Maps Contributors, VITA, BuildingFootprintUSA, Esri, HERE, Garmi... Powered by Esri  
-77.41846, 37.23307

### PHOTOGRAPHS







## Stormwater Outfall Inspection

Outfall ID: 24	Date: 05/31/2022	Time: 09:59am	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:14am
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Weather history can be found at: <https://www.wunderground.com/weather/us/va/virginia-state-university>

### FLOW

Present?	No	If yes:	Approx. discharge rate:	NA
			Approx. depth of flow (in):	NA


### POTENTIAL POLLUTANT INDICATORS

Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	Flowline	2
Poor Pool Quality	Yes	Floatables, debris, and vegetation	2
Pipe Benthic Growth	No	NA	NA

Notes:  
 The pipe looked clear of both flow and illicit discharge indicators. It is recommended that the current rip rap be relocated to ensure it is not above the pipe invert.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:  
 "I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."

  
 \_\_\_\_\_  
 Signature

05/31/2022  
 \_\_\_\_\_  
 Date



## Stormwater Outfall Inspection

Outfall ID: 24	Date: 05/31/2022	Time: 09:59am	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



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-77.41803, 37.24173

### PHOTOGRAPHS





## Stormwater Outfall Inspection

Outfall ID: 27	Date: 05/31/2022	Time: 1:09pm	Inspector: Jessica Slagle & Hailey Fry
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### LAST RAINFALL

Depth (in): 0.06	End Date: 05/28/2022	End Time: 4:15am
Weather history can be found at: <a href="https://www.wunderground.com/weather/us/va/virginia-state-university">https://www.wunderground.com/weather/us/va/virginia-state-university</a>		

### FLOW

Present?	Yes	If yes:	Approx. discharge rate:	Trickle
			Approx. depth of flow (in):	0.05

### POTENTIAL POLLUTANT INDICATORS


Indicator	Present?	Description	Relative Severity Index (1-3)
Odor	No	NA	NA
Turbidity	No	See Severity Index	NA
Floatables	No	NA	NA
Deposits/Stains	Yes	Flowline	2
Poor Pool Quality	No	NA	NA
Pipe Benthic Growth	Yes	Green	2

**Notes:**  
 Not suspected of an illicit discharge because the flow rate has been steady over the course of many years, there was no smell or turbidity, and investigation upstream could not determine a source. No changes to the flow were found upstream within the investigated reach or drainage area. Construction was found to be present in the contributing drainage area.

### CERTIFICATION:

If no suspected illicit discharge is identified, certify the following:

"I certify that the outfall inspection is complete and that no illicit discharge is evident at this time."


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Signature

05/31/2022

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Date





## Stormwater Outfall Inspection

Outfall ID: 27	Date: 05/31/2022	Time: 1:09pm	Inspector: Jessica Slagle & Hailey Fry
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### VICINITY MAP



Maxar, Microsoft | Esri Community Maps Contributors, VITA, BuildingFootprintUSA, Esri, HERE, Garmi... Powered by Esri  
-77.41721, 37.23277

### PHOTOGRAPHS





**MCM 4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL  
DOCUMENTATION**



### ESC/SW INSPECTION REPORT

(To be completed by VSU DEQ-Certified personnel, and where VSU is the GCP Holder)

Project Name: Fleets Branch Stream Restoration Project Authority: Jonathan A. Taylor  
RLD Name: Gregory Flagg RLD No. RLD 01128  
Project Location: Fleets Branch Stream Project No: 212-17980-003  
Inspector Name: Steve Vargo Inspection Date: 2021-07-06 Time: 1:30p  
Most Recent Measurable Storm Event: Date: 2021-07-02 Amount: 1.71"

Previous violation(s) been corrected:  YES or  NO

#### STAGE OF CONSTRUCTION

Pre-Construction Conference  Building Construction  Construction of SW Facilities   
Clearing & Grubbing  Finish Grading  Maintenance of SW Facilities   
Rough Grading  Final Stabilization  Other

Item#	State/Local Regulation <sup>(1)</sup>	Violation		Description and Location of Problem/Violation <sup>(2)</sup> , Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
01	3.32			Robust vegetation establishment in the lower half of the restoration reach.
				Weak vegetation growth in the upper section of the restoration reach, where recent re-seeding occurred.
				No erosion observed. Continue monitoring for permanent vegetation establishment.

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC and SW
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 2021-08-02  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project

Inspector: Steve Vargo ESIN-0747 2021-07-07  
Signature Number Date

Acknowledgement of on-site report receipt: \_\_\_\_\_  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:  
\_\_\_\_\_  
\_\_\_\_\_



## ESC/SW INSPECTION REPORT, continued

(To be completed by VSU DEQ-Certified personnel)

Project Name: \_\_\_\_\_ Project Authority: \_\_\_\_\_

Item#	State/Local Regulation <sup>(1)</sup>	Violation		Description and Location of Problem/Violation <sup>(2)</sup> , Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC and SW
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

Acknowledgement of on-site report receipt: \_\_\_\_\_

*Print Name*
*Signature*
*Date*

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

\_\_\_\_\_

\_\_\_\_\_



### ESC/SW INSPECTION REPORT

(To be completed by VSU DEQ-Certified personnel, and where VSU is the GCP Holder)

Project Name: Fleets Branch Stream Restoration Project Authority: Jonathan A. Taylor  
RLD Name: Gregory Flagg RLD No. RLD 01128  
Project Location: Fleets Branch Stream Project No: 212-17980-003  
Inspector Name: Steve Vargo Inspection Date: 08/06/2021 Time: 1300  
Most Recent Measurable Storm Event: Date: 08/01/2021 Amount: 0.81"

Previous violation(s) been corrected: N/A

#### STAGE OF CONSTRUCTION

- Pre-Construction Conference
- Clearing & Grubbing
- Rough Grading
- Building Construction
- Finish Grading
- Final Stabilization
- Construction of SW Facilities
- Maintenance of SW Facilities
- Other

Item#	State/Local Regulation <sup>(1)</sup>	Violation		Description and Location of Problem/Violation <sup>(2)</sup> , Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
01	3.32			Robust vegetation growth in the lower half of the restoration reach.
				Vegetation in the northern half is establishing, but still weak in areas.
				Recommend continuing observation until weather cools.
				Additional seeding may be necessary in weak establishment areas.

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC and SW
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 09/06/2021  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo ESIN0747 08/06/2021  
Signature and D nber Date

Acknowledgement of on-site report receipt: \_\_\_\_\_  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:  
\_\_\_\_\_  
\_\_\_\_\_





# **ESC/SW INSPECTION REPORT, continued**

(To be completed by VSU DEQ-Certified personnel)

Project Name: \_\_\_\_\_ Project Authority: \_\_\_\_\_

Item#	State/Local Regulation <sup>(1)</sup>	Violation		Description and Location of Problem/Violation <sup>(2)</sup> , Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC and SW

2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

Acknowledgement of on-site report receipt: \_\_\_\_\_  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

---



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## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 09-03-2021 Time: 10:00 A.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
09-02-2021	0.58	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                         |                                                |                                                         |
|---------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/>    | Building Construction <input type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input checked="" type="checkbox"/> | Finish Grading <input type="checkbox"/>        | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input type="checkbox"/>                  | Final Stabilization <input type="checkbox"/>   | Other _____ <input type="checkbox"/>                    |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	Std. 3.02			Add additional stone to small grass area between CE & existing pavement. Some tracking observed and will be an issue going forward.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 09/10/21 Re-inspection Date: 09/10/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to **all** violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 09-07-21

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 9/14/21  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## ESC/SW INSPECTION REPORT

(To be completed by VSU DEQ-Certified personnel, and where VSU is the GCP Holder)

Project Name: Fleets Branch Stream Restoration Project Authority: Jonathan A. Taylor  
 RLD Name: Gregory Flagg RLD No. RLD 01128  
 Project Location: Fleets Branch Stream Project No: 212-17980-003  
 Inspector Name: Steve Vargo Inspection Date: 09-10-21 Time: 10am  
 Most Recent Measurable Storm Event: Date: 09-09-21 Amount: 0.81"

Previous violation(s) been corrected: N/A

### STAGE OF CONSTRUCTION

Pre-Construction Conference  Building Construction  Construction of SW Facilities   
 Clearing & Grubbing  Finish Grading  Maintenance of SW Facilities   
 Rough Grading  Final Stabilization  Other

Item#	State/Local Regulation <sup>(1)</sup>	Violation		Description and Location of Problem/Violation <sup>(2)</sup> , Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
01	3.32			Robust vegetation growth in all but the upper 1/4 of the restoration reach. Still slow growth in the upper section of the restoration reach. Additional seeding may be necessary in bare areas.

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC and SW
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 10-10-21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo ESIN0747 10-13-21  
 Signature Certificate Number Date

Acknowledgement of on-site report receipt: \_\_\_\_\_  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:  
 \_\_\_\_\_  
 \_\_\_\_\_







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 09-10-2021 Time: 09:30 A.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
09-09-2021	0.81	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Clearing & Grubbing       Finish Grading       Maintenance of SWM Facilities   
 Rough Grading       Final Stabilization       Other: \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	Std. 3.02			Add additional stone to small grass area between CE & existing pavement. Some tracking observed on roadway and this will be an issue going forward.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 09/17/21 Re-inspection Date: 09/17/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 09-13-21

Acknowledgement of on-site report receipt: <u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>9/14/21</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:		



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 09-10-2021 Time: 09:30 A.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
09-10-2021	0.39	SV

Previous violation(s) been corrected:  YES  NO

### STAGE OF CONSTRUCTION

- |                                                         |                                                |                                                         |
|---------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/>    | Building Construction <input type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input checked="" type="checkbox"/> | Finish Grading <input type="checkbox"/>        | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input type="checkbox"/>                  | Final Stabilization <input type="checkbox"/>   | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
* 1	Std. 3.02		✓ x2	Add additional stone to small grass area between CE & existing pavement. Some tracking observed on roadway and this will be an issue going forward.
2				Initial 9/3/21 ; Repeat 9/10/21
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

\* REQUIRED CORRECTIVE ACTION DEADLINE DATE: 09/24/21 Re-inspection Date: 09/24/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to **all violations** noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 09-20-21

Acknowledgement of on-site report receipt	<u>Debra Sulla</u> Print Name	<u>Debra Sulla</u> Signature	<u>9/21/21</u> Date
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

CC by email : CG  
DY  
JH  
JAT





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





Capital Outlay & Facilities  
 PO Box 9414  
 Petersburg, VA 23806  
 Phone: (804)524-5719  
 Fax: (804)524-5383

## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 09-24-2021 Time: 12:30 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
09-23-2021	2.18	SV

Previous violation(s) been corrected:  YES  NO

### STAGE OF CONSTRUCTION

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Cleaning & Grubbing       Finish Grading       Maintenance of SWM Facilities   
 Rough Grading       Final Stabilization       Other: \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	Std. 3.02		✓ x3	Add additional stone to small grass area between CE & existing pavement. Some tracking observed on roadway and this will be an issue going forward.
2				
3				
4				

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 10/01/21 Re-inspection Date: 10/01/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 09-27-21

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 9/29/21  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email : GG  
 Dy  
 JH  
 JAT  
 MK



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone (804)524-3971  
Fax (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 09-30-2021 Time: 12:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
09-23-2021	2.18	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                         |                                                |                                                         |
|---------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/>    | Building Construction <input type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Cleaning & Grubbing <input checked="" type="checkbox"/> | Finish Grading <input type="checkbox"/>        | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input type="checkbox"/>                  | Final Stabilization <input type="checkbox"/>   | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	Std. 3.02	9/3/21	9/10 9/17 9/24	Add additional stone to small grass area between CE & existing pavement. Some tracking observed on roadway and this will be an issue going forward.
2	Std. 3.04	9/30/21		Silt fence break at the northeast corner is not stopping very fine materials from leaving the site towards the existing storm basin. Recommend adding straw bales or filter socks to provide extra filtering of runoff leaving the site.
3				
4				

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 10/08/21 Re-inspection Date: 10/08/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 10-04-21

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> Print Name	<u>[Signature]</u> Signature	<u>10/5/21</u> Date
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			
Branch <u>YSU</u> <u>RRMM</u> CC by email: <u>CG</u> <u>JAT</u> <u>JH</u> <u>DY</u> <u>RF</u> <u>MK</u> <u>BA</u>			





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone (804)524-3971  
Fax (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 10-07-2021 Time: 2:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
09-23-2021	2.18	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                |                                                         |
|------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>        | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>   | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	2-B-2-d	X 10/7		Solid waste shall be cleaned up daily and deposited into dumpsters.
2	2-B-2-g (i)	X 10/7		Concrete trucks will not be allowed to discharge surplus concrete on the site, except in a specially designated concrete disposal area.
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 10/14/21 Re-inspection Date: 10/14/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 10-11-21

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>10/12/21</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

Branch    VSU    RMM  
 cc by email :    CG    JAT    JH  
                          Dy    RF  
                          MK



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone (804)524-3971  
Fax (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 10-14-2021 Time: 2:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
10-10-2021	0.23	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                |                                                         |
|------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>        | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>   | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				All previous items have been addressed.
2				
3				
4				

Awesome!

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A    Re-inspection Date: 10/21/21  
 (DD/MM/YY)    (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo    10-18-21

Acknowledgement of on-site report receipt: Debra Sulla    Debra Sulla    10/27/21  
 Print Name    Signature    Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

CC by email:

Branch	VSU	RRM
CG	JAT	JH
Dy		
PAK		





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





**EROSION & SEDIMENT CONTROL AND STORMWATER  
 MANAGEMENT INSPECTION REPORT**

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 10-21-2021 Time: 12:30 P.M.

RAINFALL

Date of Rain	Amount (inches)	Initials
10-10-2021	0.23	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                |                                                         |
|------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>        | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>   | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				All previous items have been addressed.
2				
3				
4				

*Awesome!*

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 10/28/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 10-25-21

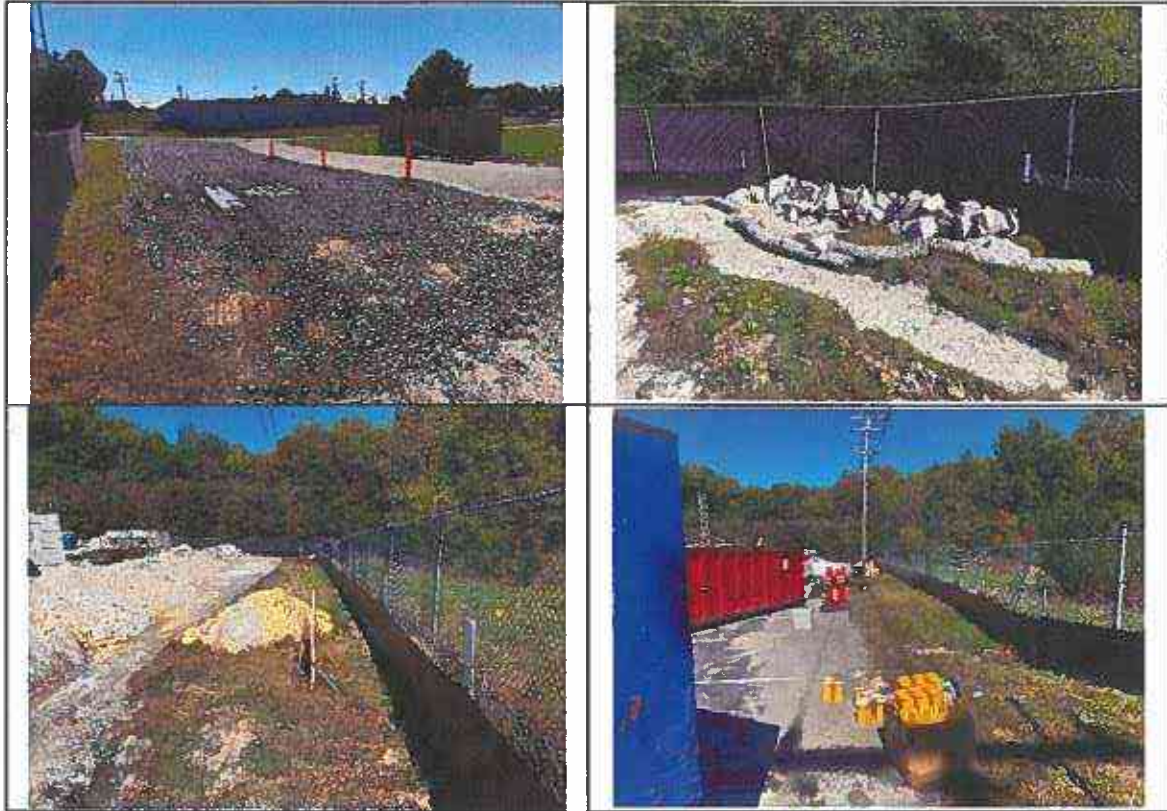
Acknowledgement of on-site report receipt:		
<u>Debra Sulla</u> Print Name	<u>Debra Sulla</u> Signature	<u>10/27/21</u> Date
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:		
<u>Branch</u>	<u>VSU</u>	<u>RRMM</u>

CC by email :  
CG JAT JH  
DY  
PAK



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 11-03-2021 Time: 1:45 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
10-29-2021	0.87	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                |                                                         |
|------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>        | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>   | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No deficiencies observed
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 11/09/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                      11-04-21

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>11/10/21</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

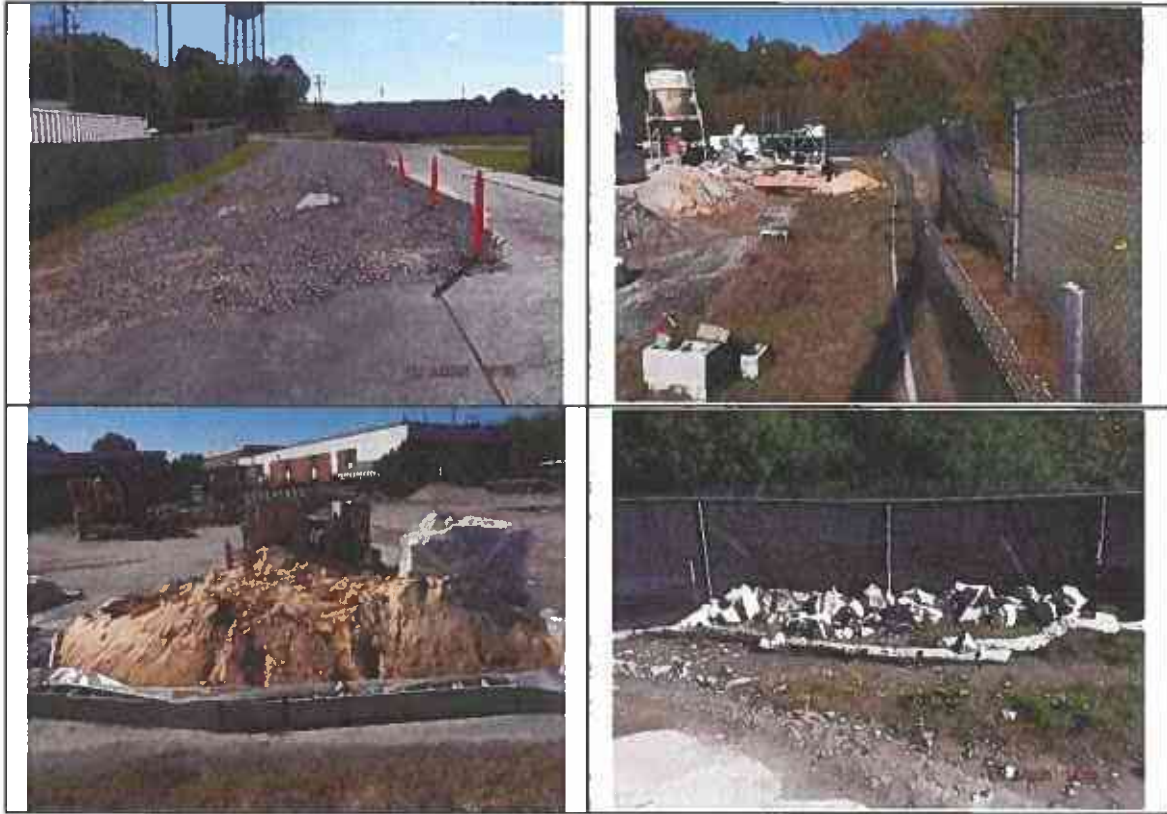
cc by email      Branch      VSO      RRMM  
                                  CG                      JAT                      JH  
                                  DY  
                                  MK





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone (804)524-3971  
Fax (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 11-19-2021 Time: 2 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
11-12-2021	0.08	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-880-70 Part II-B-4(9)	X		Waste containers are to be closed or covered during precipitation events and at the end of the business day,
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 30/11/21 Re-inspection Date: 30/11/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 11/22/21

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>[Signature]</u> <small>Signature</small>	<u>12/1/2021</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email    Branch    JSU    AE  
 CG    JAT    JH  
 Dy  
 mk



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone (804)524-3971  
Fax (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 11-24-2021 Time: 2 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
11-22-2021	0.12	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Cleaning & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-880-70 Part II-B-4(9)		X 11/19	Waste containers are to be closed or covered during precipitation events and at the end of the business day,
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 30/11/21 Re-inspection Date: 30/11/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 11/29/21

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>12/1/21</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email

Branch	VSO	AE
CG	JAT	JH
DY		
MK		





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





Capital Outlay & Facilities  
 PO Box 9414  
 Petersburg, VA 23806  
 Phone: (804)524-5719  
 Fax: (804)524-5383

## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 12-01-2021 Time: 2 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
11-26-2021	0.16	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 06/12/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 12/07/21

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 12/7/21  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email CG JAT JH  
 Dy  
 mk



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





Capital Outlay & Facilities  
 PO Box 9414  
 Petersburg, VA 23806  
 Phone: (804)524-5719  
 Fax: (804)524-5383

## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 12-06-2021 Time: 3 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
11-26-2021	0.16	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Cleaning & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 15/06/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 12/07/21

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 12/7/21  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

ce by email CG JAT JH  
 DY  
 mk





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





Capital Outlay & Facilities  
 PO Box 9414  
 Petersburg, VA 23806  
 Phone: (804)524-5719  
 Fax: (804)524-5383

## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 12-09-2021 Time: 3 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
11-26-2021	0.16	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 16/12/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to **all** violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                                  12/09/21

Acknowledgement of on-site report receipt: Debra Sulla      Debra Sulla      12/14/21  
 Print Name                                                          Signature                                                          Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email    CG    JAT    JH  
 DY  
 MK



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 12-15-2021 Time: 2 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
12-11-2021	0.18	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 20/12/21  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 12/16/21

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> Print Name	<u>Debra Sulla</u> Signature	<u>1/11/2022</u> Date
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email: Branch VSY AE  
CG JAT JH  
DY EW  
MK  
CB





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone (804)524-3971  
Fax (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 01-05-2022 Time: 2 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
01-03-2022	5+ (rain & snow)	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Clearing & Grubbing               Finish Grading               Maintenance of SWM Facilities   
 Rough Grading               Final Stabilization               Other: \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 11/01/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                      01/07/22

Acknowledgement of on-site report receipt: Debra Sulla    Debra Sulla    1/11/2022  
 Print Name                                      Signature                                      Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email: Branch    VSU    AE  
                          CG    JAT    JH  
                          DY    EW  
                          MK  
                          CB



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 01-11-2022 Time: 2 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
01-09-2022	0.13"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 11/14/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY**, **STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 01/11/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 1/19/2022  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

CC by email Branch VSH AE  
CG JAT JH  
DY EW  
CB





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 01-14-2022 Time: 1 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
01-09-2022	0.13"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 11/20/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 01/17/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>1/19/2022</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email

Brand	YSU	AE
CG	JAT	JH
DY	EW	
CB		



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 01-19-2022 Time: 10 A.M.

RAINFALL

Date of Rain	Amount (inches)	Initials
01-16-2022	1.10"	SV

Previous violation(s) been corrected:    YES    NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 01/25/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY**, **STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo      01/20/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>1/24/2022</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email    Branch    USU    AE  
 CG    JAT    JH  
 DY    EW  
 CB





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Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 01-25-2022 Time: 2 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
01-20-2022	0.25"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 01/31/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                      01/26/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>1/26/2022</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email

<u>Branch</u>	<u>V SU</u>	<u>AE</u>
<u>CG</u>	<u>JAT</u>	<u>JH</u>
<u>Dy</u>	<u>EW</u>	
<u>CB</u>		



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Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 01-31-2022 Time: 1:30 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
01-20-2022	0.25"	SV

Previous violation(s) been corrected:  YES  NO

### STAGE OF CONSTRUCTION

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 04/02/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 02/01/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 2/1/2022  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email Branch VSU AE  
 CG JAT AE  
 DY EW JH  
 CB





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Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 02-04-2022 Time: 2:00 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
02-04-2022	0.29"	SV

Previous violation(s) been corrected:     YES     NO

### STAGE OF CONSTRUCTION

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 09/02/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 02/07/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> Print Name	<u>Debra Sulla</u> Signature	<u>2/9/22</u> Date
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

CC by email    Branch    VSV    AE  
                   CG        JAT    JH  
                   Dy        EW  
                   CB



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## SITE INSPECTION PHOTOS









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## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 02-21-2022 Time: 3:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
02-07-2022	0.43"	SV

Previous violation(s) been corrected:     YES     NO

### STAGE OF CONSTRUCTION

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Clearing & Grubbing                   Finish Grading                   Maintenance of SWM Facilities   
 Rough Grading                   Final Stabilization                   Other: \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 25/02/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 02/22/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 3/8/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

CC by email    Branch    VSU    AE  
 CG              JAT        JH  
 DY  
 CB



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Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 02-25-2022 Time: 3:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
02-18-2022	0.66"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 03/03/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY**, **STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 02/28/22

Acknowledgement of on-site report receipt	<u>Debra Sulla</u> <small>Print Name</small>	<u>[Signature]</u> <small>Signature</small>	<u>3/8/22</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

*cc by email*

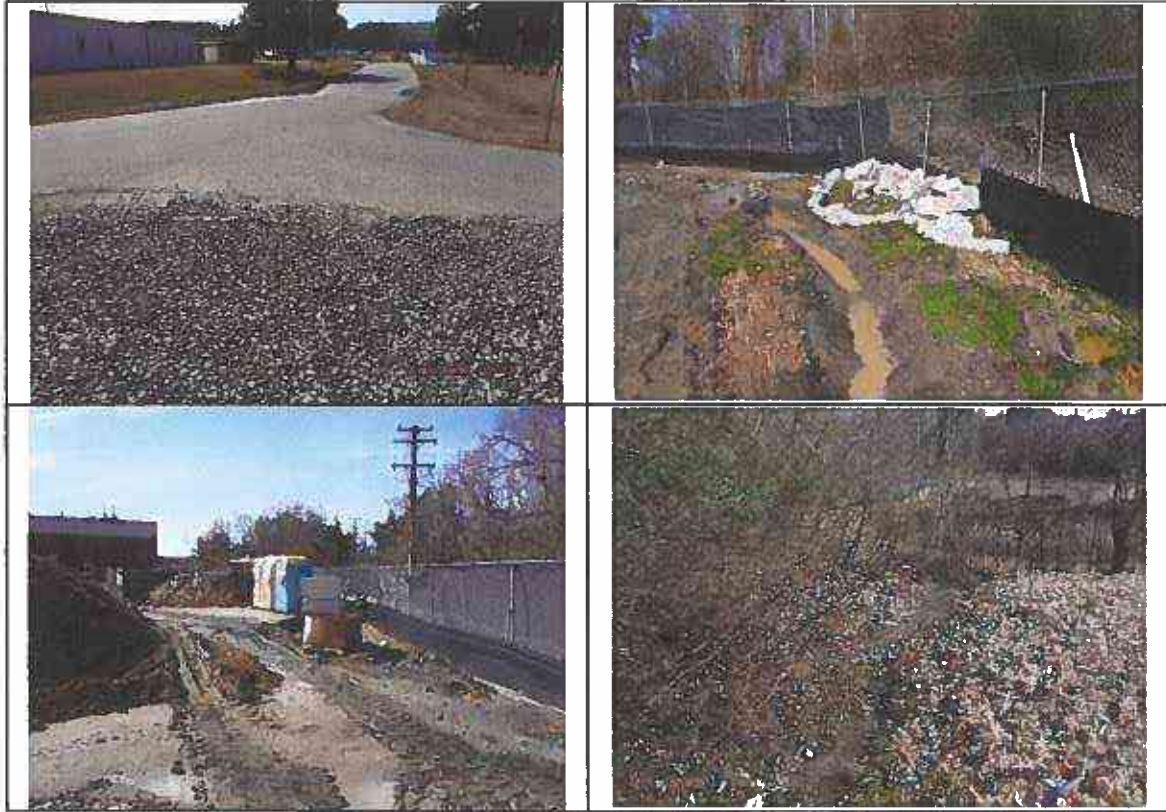
<i>Branch</i>	<i>VSU</i>	<i>AE</i>
<i>CG</i>	<i>JAT</i>	<i>JH</i>
<i>DY</i>	<i>EW</i>	
<i>CB</i>		





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS







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Fax: (804)524-5383

## SITE INSPECTION PHOTOS





Capital Outlay & Facilities  
 PO Box 9414  
 Petersburg, VA 23806  
 Phone: (804)524-5719  
 Fax: (804)524-5383

## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 03-09-2022 Time: 11:00 A.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
03-08-2022	1.07"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	STD 3.04			Recommend replacing or adding additional filter socks at northeast site corner silt fence break. Current controls are being overwhelmed and not filtering effectively.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 16/03/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 03/09/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>3/15/22</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

*cc by email*

<i>Branch</i>	<i>VSL</i>	<i>AE</i>
<i>CG</i>	<i>JAT</i>	<i>JH</i>
<i>DY</i>	<i>EW</i>	
<i>CB</i>		





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Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 03-16-2022 Time: 3:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
03-12-2022	0.65"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 23/03/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 03/17/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 3/24/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by mail    Branch    YSU    AE  
 CG    JAT    JH  
 DY    EW  
 CB



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Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 03-22-2022 Time: 2:30 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
03-17-2022	0.28"	SV

Previous violation(s) been corrected:  YES  NO

### STAGE OF CONSTRUCTION

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Cleaning & Grubbing       Finish Grading       Maintenance of SWM Facilities   
 Rough Grading       Final Stabilization       Other \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56			Excess trash observed along site perimeter and near adjacent stormwater basin. Ensure all trash is disposed of in dumpsters.
2	MS-17			Sediment tracking observed on roadway. Either additional CE stone is needed or regular street sweeping is needed.
3				
4				

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 28/03/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 03/24/22

Acknowledgement of on-site report receipt	<u>Debra Sulla</u> <small>Print Name</small>	<u>[Signature]</u> <small>Signature</small>	<u>3/23/22</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

*cc by email*

<u>Branch</u>	<u>USU</u>	<u>AE</u>
<u>CG</u>	<u>JAT</u>	<u>JH</u>
<u>CB</u>	<u>EW</u>	
<u>DY</u>		





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Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 03-29-2022 Time: 1:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
03-17-2022	0.28"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56	3/22	3/29	Excess trash observed along site perimeter and near adjacent stormwater basin. Ensure all trash is disposed of in dumpsters.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 08/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 03/30/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 4/21/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email Branch VSU AE  
 CG JAT JH  
 DY EW  
 CB



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 03-29-2022 Time: 1:30 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
03-17-2022	0.28"	SV

Previous violation(s) been corrected:  YES  NO

### STAGE OF CONSTRUCTION

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 01/04/22  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 03/30/22

Acknowledgement of on-site report receipt: <u>Eddie Hutcherson</u>		<u>05-03-2022</u>
<small>Print Name</small>	<small>Signature</small>	<small>Date</small>

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:





## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-01-2022 Time: 2:45 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
03-31-2022	0.22"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 12/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to **all violations** noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                      04/02/22

Acknowledgement of on-site report receipt: Eddie Hutcherson    Eddie Hutcherson    05-03-2022  
 Print name                                              Signature                                              Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-01-2022 Time: 2:45 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
03-17-2022	0.28"	SV

Previous violation(s) been corrected:  YES  NO

**DACS**

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56	3/22	3/29 4/1	Excess trash observed along site perimeter and near adjacent stormwater basin. Ensure all trash is disposed of in dumpsters.
2	MS-17	4/1		Sediment tracking observed on roadway. Either additional CE stone is needed or regular street sweeping is needed.
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 22/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 04/14/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>4/21/22</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email

Branch	VSU	AE
CG	JAT	JH
DY	EW	
CB		





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Hunter Wines  
 Inspection Date: 04-08-2022 Time: 1:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-07-2022	0.24"	HW

Previous violation(s) been corrected:  YES  NO

**DACS**

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| <input type="checkbox"/> Pre-Construction Conference | <input checked="" type="checkbox"/> Building Construction | <input type="checkbox"/> Construction of SWM Facilities |
| <input type="checkbox"/> Clearing & Grubbing         | <input type="checkbox"/> Finish Grading                   | <input type="checkbox"/> Maintenance of SWM Facilities  |
| <input checked="" type="checkbox"/> Rough Grading    | <input type="checkbox"/> Final Stabilization              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation <b>x3</b>		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56	3/22	3/29 4/1 4/8	Excess trash observed along site perimeter and near adjacent stormwater basin. Ensure all trash is disposed of in dumpsters.
2	MS-2	4/8		Soil stockpiles need additional stabilization.
3	MS-8&9	4/8		Erosional rill needs stabilization prior to entering Flexmat
4	9VAC25-870-56	4/8		Concrete should be contained within washouts. Washouts need to be emptied or replaced

See notes  
Pg 2

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 13/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Hunter Wines 04/08/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 4/21/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

Ce by email Branch VSU AE  
CG JAT JH  
DY EW  
CB



## SITE INSPECTION PHOTOS



- ↑ #3 • VSU PM has discussed w/ Branch Collin + Dave.
- This is outside of fencing where VSU (JAT) coordinated work w/ Columbia Gas to fix an exposed Gas line; NOT Part of MT Carter Addition.
  - VSU PM (Debbri) will get with JAT TO have this area addressed





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-12-2022 Time: 11:30 A.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-07-2022	0.12"	SV

Previous violation(s) been corrected:  YES  NO

### STAGE OF CONSTRUCTION

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 18/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to **all violations** noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 04/12/22

Acknowledgement of on-site report receipt: <u>Eddie Hutcherson</u>	<u></u>	<u>05-03-2022</u>
<small>Print Name</small>	<small>Signature</small>	<small>Date</small>

*This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:*





## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-12-2022 Time: 1:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-07-2022	0.24"	HW

Previous violation(s) been corrected:  YES  NO **DACS**

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Report	
1	9VAC25-870-56	3/22	3/29 4/8 4/12	Trash observed along site perimeter in drainage channel to basin. Ensure all trash is disposed of in dumpsters.
2	MS-17	4/12		Sediment tracking observed on roadway. Additional CE stone is needed; large muddy area observed in CE.
3	MS-8&9	4/8	NA DACS	Erosional rill needs repair and stabilization prior to entering Flexmat <b>VSU Responsibility</b>

see notes from 4/8 Report

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 22/04/22 Re-inspection Date: 18/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 04/14/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 4/21/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

CC by email Branch VSU AE  
 CG JAT JH  
 Dy EW  
 CB  
 JB

\* Item #1 - TRASH !! This has been on the report since March 23 - It shouldn't take 30 days to pick up trash.



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-18-2022 Time: 2:15 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-18-2022	1.01"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS 10			Ensure Inlet Protection socks are properly seated in the road storm DIs to provide filtering of runoff.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A (DD/MM/YY) Re-inspection Date: 22/04/22 (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 04/18/22

Acknowledgement of on-site report receipt. Eddie Hutcherson Eddie Hutcherson 05-03-2022  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:





## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-18-2022 Time: 2:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-18-2022	1.01"	SV

Previous violation(s) been corrected:  YES  NO **DACS**

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation Initial	Repeat	Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
1	9VAC25-870-56	3/22	3/29 4/1 4/8	Trash observed along site perimeter in drainage channel to basin. Ensure all trash is disposed of in dumpsters.
2	MS-17	4/2	4/18	Sediment tracking observed on roadway. Additional CE stone is needed; large muddy area observed in CE.
3	MS-8&9	4/8	NA	Erosional rill needs repair and stabilization prior to entering Fleximat <b>VSU Responsibility</b>

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 29/04/22 Re-inspection Date: 22/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 04/19/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 4/21/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

**cc by email** Branch VSU AE  
 CG JAT JH  
 DY EW  
 CB  
 JB



**SITE INSPECTION PHOTOS**



\*  
 Item  
 #1  
 ↑

TRASH

1st Reported: March 22  
 Repeat Violation March 29  
 April 1  
 April 8  
 April 12  
 April 18





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-22-2022 Time: 2:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-18-2022	1.01"	SV

Previous violation(s) been corrected:  YES  **NO** *DACS*

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56	3/22/22	3/29, 4/1, 4/8, 4/12, 4/18, & 4/22/22	Trash observed along site perimeter in drainage channel to basin. Ensure all trash is disposed of in dumpsters. Installed cones to avoid mud in CE, this has shortened the CE significantly. CE length is to be 70'.
2	MS-17	4/12/22	4/18/22 & 4/22/22	Sediment tracking observed on roadway. Additional CE stone is needed; large muddy area observed in CE.
3				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 28/04/22 Re-inspection Date: 28/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 04/25/22

Acknowledgement of on-site report receipt: Debra AC Sulla 4/25/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

- CC by Email 4/25/22
- |        |     |    |
|--------|-----|----|
| Branch | VSU | AE |
| CG     | JAT | JH |
| DY     | EW  |    |
| CB     |     |    |
| JB     |     |    |





## SITE INSPECTION PHOTOS





## **EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT**

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-22-2022 Time: 2:30 P.M.

RAINFALL

Date of Rain	Amount (inches)	Initials
04-18-2022	1.01"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 27/04/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY**, **STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                          04/22/22

Acknowledgement of on-site report receipt: Eddie Hutcherson    Eddie Hutcherson    05-03-2022  
Print Name                                          Signature                                          Date

*This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:*



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS







**EROSION & SEDIMENT CONTROL AND STORMWATER  
MANAGEMENT INSPECTION REPORT**

Project Name: Academic Commons Building  
Project Code: 212-18333-000  
Project Authority: Jonathan Taylor  
RLD Name/No: Dwight Snead RLD-22528  
Inspector Name: Steve Vargo  
Inspection Date: 04-27-2022 Time: 2:00 P.M.

RAINFALL		
Date of Rain	Amount (inches)	Initials
04-26-2022	0.29"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference  Building Construction  Construction of SWM Facilities   
 Clearing & Grubbing  Finish Grading  Maintenance of SWM Facilities   
 Rough Grading  Final Stabilization  Other: \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS17			Some sediment tracking observed on roadway. Ensure regular sediment removal/sweeping as needed.
2				
3				
4				

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 09/05/22  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/04/22

Acknowledgement of on-site report receipt: Eddie Hutcherson Eddie Hutcherson 05-04-2022  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:





## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 04-27-2022 Time: 2:30 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
04-26-2022	0.27"	SV

Previous violation(s) been corrected:  YES  NO *DAES*

### STAGE OF CONSTRUCTION

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56	3/22	3/29 4/1 4/8 4/12 4/18	Trash observed along site perimeter in drainage channel to basin. Ensure all trash is disposed of in dumpsters. Installed cones to avoid mud in CE, this has shortened the CE significantly. CE length is to be 70'.
2	MS-17	4/12	4/18 4/22	Sediment tracking observed on roadway. Additional CE stone is needed; large muddy area observed in CE.
3			4/27	

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 03/05/22 Re-inspection Date: 03/05/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY**, **STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 04/29/22

Acknowledgement of on-site report receipt: *Debra AC Sulla* *Debra AC Sulla* 5/4/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

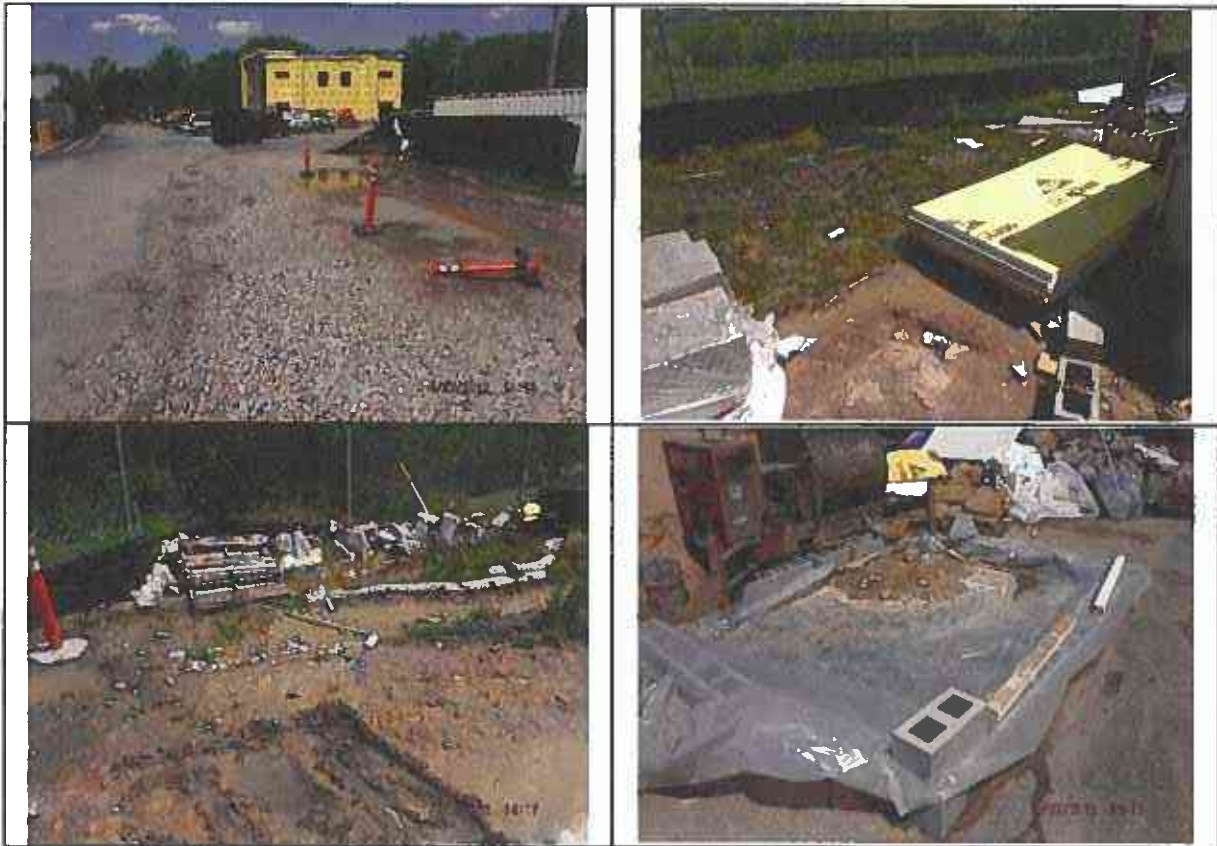
*ce by email 5/4/22*

<i>Branch</i> CG DY CB JB	<i>VSU</i> JAT EW ML	<i>AE</i> JH
---------------------------------------	-------------------------------	-----------------



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-03-2022 Time: 10:00 A.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-26-2022	0.29"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Clearing & Grubbing       Finish Grading       Maintenance of SWM Facilities   
 Rough Grading       Final Stabilization       Other: \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS10			Ensure all DI filter socks are seated properly to filter runoff from site before entering storm system.
2				
3				
4				

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 09/05/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY**, **STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/04/22

Acknowledgement of on-site report receipt: Eddie Hutcherson Eddie Hutcherson 05-04-2022  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:





## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-03-2022 Time: 10:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
04-26-2022	0.27"	SV

Previous violation(s) been corrected:  YES  NO **DAES**

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS-17	4/12	4/18 4/22 4/27 5/3	Additional CE stone is needed; large muddy area observed in CE. Stone delivery is scheduled for this week.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 09/05/22 Re-inspection Date: 09/05/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/04/22

Acknowledgement of on-site report receipt: Debra ACSulla Debra ACSulla 5/4/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

**cc by email 5/4/22**

<b>Branch</b>	<b>VSU</b>	<b>AE</b>
CG	JAT	JH
Dy	EU	
CB	ML	
JB		



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-09-2022 Time: 2:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-06-2022	1.03"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS-17	4/12		Additional CE stone has been added.

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 13/05/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/10/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 5/11/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

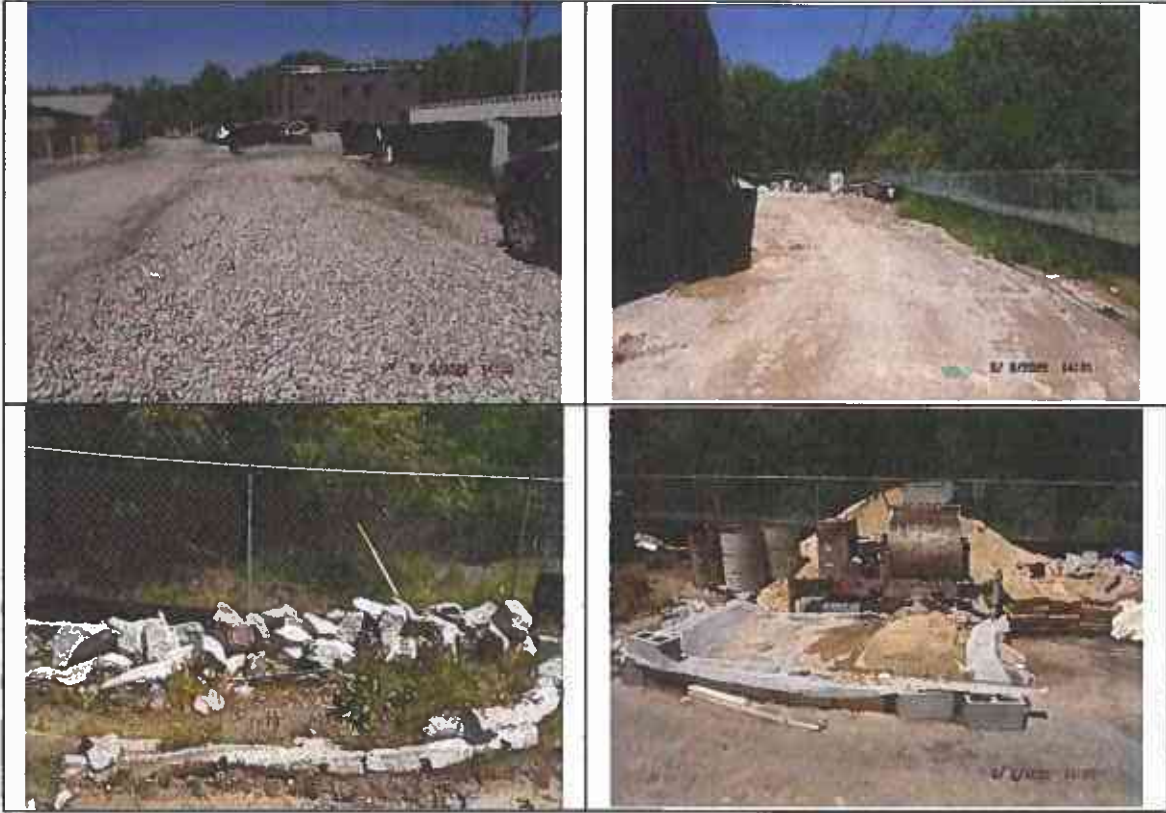
CC by email 5/11  
 Branch  
 CG  
 DY  
 CB  
 JB  
 VSU  
 JAT  
 EW  
 ML  
 AE  
 JH





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-09-2022 Time: 2:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-06-2022	1.03"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS17			Some tracking observed onto roadway. Conduct street sweeping as necessary to minimize sediment deposition onto roadways.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A    Re-inspection Date: 13/05/22  
 (DD/MM/YY)    (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo    05/10/22

Acknowledgement of on-site report receipt: Eddie Hutcherson    Eddie Hutcherson    05-10-2022  
 Print Name    Signature    Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
Project Code: 212-17871-000  
Project Authority: Debbie Sulla, VCO, VCCO  
RLD Name/No: Chris Harrison RLD-2805  
Inspector Name: Steve Vargo  
Inspection Date: 05-13-2022 Time: 3:00 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
05-06-2022	1.03"	SV

Previous violation(s) been corrected:     YES    NO

### STAGE OF CONSTRUCTION

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.

- 1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- 2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 20/05/22  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project

Inspector: Steve Vargo 05/18/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 5/19/22  
Print Name                                  Signature                                  Date

*This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:*

*cc by email*      Branch VSU    AE  
DY                              JAT                              JH  
CG                              EW





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
Project Code: 212-18333-000  
Project Authority: Jonathan Taylor  
RLD Name/No: Dwight Snead RLD-22528  
Inspector Name: Steve Vargo  
Inspection Date: 05-13-2022 Time: 3:15 P.M.

### RAINFALL

Date of Rain	Amount (inches)	Initials
05-06-2022	1.03"	SV

Previous violation(s) been corrected:    YES    NO

### STAGE OF CONSTRUCTION

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS17			Some tracking observed onto roadway. Conduct street sweeping as necessary to minimize sediment deposition onto roadways.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 20/05/22  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                      05/18/22

Acknowledgement of on-site report receipt: <u>Eddie Hutcherson</u> <i>Print Name</i>	<u>Eddie Hutcherson</u> <i>Signature</i>	<u>05-18-2022</u> <i>Date</i>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:		



## SITE INSPECTION PHOTOS







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-20-2022 Time: 3:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-06-2022	1.03"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 26/05/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/23/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 6/1/22  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email Branch AE VSU  
CG JH JAT  
DY EW  
CJ





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





**EROSION & SEDIMENT CONTROL AND STORMWATER  
 MANAGEMENT INSPECTION REPORT**

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-20-2022 Time: 3:15 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-06-2022	1.03"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                             |                                     |                       |                                     |                                |                          |
|-----------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------------|--------------------------|
| Pre-Construction Conference | <input type="checkbox"/>            | Building Construction | <input checked="" type="checkbox"/> | Construction of SWM Facilities | <input type="checkbox"/> |
| Clearing & Grubbing         | <input type="checkbox"/>            | Finish Grading        | <input type="checkbox"/>            | Maintenance of SWM Facilities  | <input type="checkbox"/> |
| Rough Grading               | <input checked="" type="checkbox"/> | Final Stabilization   |                                     | Other: _____                   | <input type="checkbox"/> |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 26/05/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/23/22

Acknowledgement of on-site report receipt: <u>Eddie Hutcherson</u> Print Name	<u>Eddie Hutcherson</u> Signature	<u>05-23-2022</u> Date
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:		



## SITE INSPECTION PHOTOS







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-25-2022 Time: 3:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-24-2022	1.28"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Cleaning & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 01/06/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/26/22

Acknowledgement of on-site report receipt	<u>Debra Sulla</u> <small>Print Name</small>	<u>Debra Sulla</u> <small>Signature</small>	<u>6/1/22</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email

<p>Branch</p> <p>CG</p> <p>DY</p> <p>CJ</p>	<p>VSV</p> <p>JAT</p> <p>EW</p>	<p>AE</p> <p>JH</p>
---------------------------------------------	---------------------------------	---------------------





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 05-25-2022 Time: 3:15 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-24-2022	1.28"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Clearing & Grubbing       Finish Grading       Maintenance of SWM Facilities   
 Rough Grading       Final Stabilization       Other:

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	MS-17			Street sweeping is needed to control sediment tracking onto the roadway. Install complete CE as soon as possible.
2				
3				
4				

- Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
- Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 01/06/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY**, **STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 05/26/22

Acknowledgement of on-site report receipt: Eddie Hutcherson Eddie Hutcherson 05-31-2022  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:



## SITE INSPECTION PHOTOS







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 06-01-2022 Time: 4:15 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-27-2022	0.37"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 07/06/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                      06/02/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> <small>Print Name</small>	<u>[Signature]</u> <small>Signature</small>	<u>6/2/22</u> <small>Date</small>
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

cc by email      Branch      RSU      AE  
                                  CG      JAT      JH  
                                  Dy      EW  
                                  W





Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 06-07-2022 Time: 4:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-27-2022	0.37"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56			Excess trash observed along the northern site perimeter. Ensure all trash is disposed of in the dumpster.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 13/06/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 06/09/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 6/9/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email Branch VSU AE  
 CG JAT JH  
 DY EW  
 CJ



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 06-07-2022 Time: 4:30 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
05-27-2022	0.37"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference <input type="checkbox"/>	Building Construction <input checked="" type="checkbox"/>	Construction of SWM Facilities <input type="checkbox"/>
Clearing & Grubbing <input type="checkbox"/>	Finish Grading <input type="checkbox"/>	Maintenance of SWM Facilities <input type="checkbox"/>
Rough Grading <input checked="" type="checkbox"/>	Final Stabilization <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 13/06/22  
(DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a NOTICE TO COMPLY, STOP WORK ORDER, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 06/09/22

Acknowledgement of on-site report receipt Eddie Hutcherson Eddie Hutcherson 06-09-2022  
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:





## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 06-13-2022 Time: 9:40 A.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
06-12-2022	1.21"	SV

Previous violation(s) been corrected:  YES  NO DACS

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2). Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1	9VAC25-870-56		X 6/7	Excess trash observed along the northern site perimeter. Ensure all trash is disposed of in the dumpster.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: 17/06/21 Re-inspection Date: 17/06/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 06/15/22

Acknowledgement of on-site report receipt: Debra Sulla Debra Sulla 6/21/22  
 Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

cc by email

Branch	VSD	AE
CG	JAT	JA
DY	EW	
CJ		



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS







## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building  
 Project Code: 212-18333-000  
 Project Authority: Jonathan Taylor  
 RLD Name/No: Dwight Snead RLD-22528  
 Inspector Name: Steve Vargo  
 Inspection Date: 06-13-2022 Time: 9:45 A.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
06-12-2022	1.21"	SV

Previous violation(s) been corrected:     YES     NO

### STAGE OF CONSTRUCTION

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.
2				
3				
4				

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 17/06/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to **all violations** noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo                      06/15/22

Acknowledgement of on-site report receipt: <u>Eddie Hutcherson</u>	<u><i>Eddie Hutcherson</i></u>	<u>06-15-2022</u>
<small>Print Name</small>	<small>Signature</small>	<small>Date</small>

*This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:*





## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 06-24-2022 Time: 3:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
06-22-2022	1.4"	SV

Previous violation(s) been corrected:     YES     NO

**STAGE OF CONSTRUCTION**

- |                                                      |                                                           |                                                         |
|------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| Pre-Construction Conference <input type="checkbox"/> | Building Construction <input checked="" type="checkbox"/> | Construction of SWM Facilities <input type="checkbox"/> |
| Clearing & Grubbing <input type="checkbox"/>         | Finish Grading <input type="checkbox"/>                   | Maintenance of SWM Facilities <input type="checkbox"/>  |
| Rough Grading <input checked="" type="checkbox"/>    | Final Stabilization <input type="checkbox"/>              | Other: _____ <input type="checkbox"/>                   |

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A    Re-inspection Date: 29/06/22  
 (DD/MM/YY)    (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo    06/25/22

Acknowledgement of on-site report receipt: Debra Sulla    Debra Sulla    7/7/22  
 Print Name    Signature    Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:

CG    JAT  
 DY    EW  
 CJ    JH



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS









## SITE INSPECTION PHOTOS





## EROSION & SEDIMENT CONTROL AND STORMWATER MANAGEMENT INSPECTION REPORT

Project Name: MT Carter Building Expansion  
 Project Code: 212-17871-000  
 Project Authority: Debbie Sulla, VCO, VCCO  
 RLD Name/No: Chris Harrison RLD-2805  
 Inspector Name: Steve Vargo  
 Inspection Date: 06-29-2022 Time: 5:00 P.M.

**RAINFALL**

Date of Rain	Amount (inches)	Initials
06-27-2022	2.05"	SV

Previous violation(s) been corrected:  YES  NO

**STAGE OF CONSTRUCTION**

Pre-Construction Conference       Building Construction       Construction of SWM Facilities   
 Clearing & Grubbing       Finish Grading       Maintenance of SWM Facilities   
 Rough Grading       Final Stabilization       Other: \_\_\_\_\_

Item#	State/Local Regulation(1)	Violation		Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes
		Initial	Repeat	
1				No items for correction at this time.

1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 06/07/22  
 (DD/MM/YY) (DD/MM/YY)

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a **NOTICE TO COMPLY, STOP WORK ORDER**, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 07/01/22

Acknowledgement of on-site report receipt:	<u>Debra Sulla</u> Print Name	<u>Debra Sulla</u> Signature	<u>7/7/22</u> Date
This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:			

CG      JAT  
 DY      EW  
 CJ      JH



Capital Outlay & Facilities  
PO Box 9044  
Virginia State University, VA 23806  
Phone: (804)524-3971  
Fax: (804)524-5383

## SITE INSPECTION PHOTOS







EROSION & SEDIMENT CONTROL AND STORMWATER
MANAGEMENT INSPECTION REPORT

Project Name: Academic Commons Building
Project Code: 212-18333-000
Project Authority: Jonathan Taylor
RLD Name/No: Dwight Snead RLD-22528
Inspector Name: Steve Vargo
Inspection Date: 06-29-2022 Time: 5:15 P.M.

RAINFALL

Table with 3 columns: Date of Rain, Amount (inches), Initials. Row 1: 06-27-2022, 2.01", SV

Previous violation(s) been corrected: YES NO

STAGE OF CONSTRUCTION

- Pre-Construction Conference
Clearing & Grubbing
Rough Grading
Building Construction
Finish Grading
Final Stabilization
Construction of SWM Facilities
Maintenance of SWM Facilities
Other:

Table with 4 columns: Item#, State/Local Regulation(1), Violation (Initial, Repeat), Description and Location of Problem/Violation(2), Required or Recommended Corrective Actions, and Other Comments/Notes. Row 1: 1, MS10, Ensure road DI filter socks are seated properly to effectively filter runoff.

- 1. Refers to applicable regulation found in the most recent publication of the Virginia Erosion and Sediment Control Regulations (9VAC25-840), Virginia Stormwater Management Permit Regulations (9VAC25-870), or Annual Standards and Specifications for ESC.
2. Note whether or not off-site damage resulting from the problem/violation was evident during the inspection.

REQUIRED CORRECTIVE ACTION DEADLINE DATE: N/A Re-inspection Date: 06/07/22

The required corrective action deadline date applies to all violations noted on this report. If listed violation(s) currently constitute non-compliance and/or required corrective actions are not completed by the deadline, a NOTICE TO COMPLY, STOP WORK ORDER, and/or other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector: Steve Vargo 06/30/22

Acknowledgement of on-site report receipt: Aaron Saunders Aaron Saunders 7/5/2022
Print Name Signature Date

This report will be provided to the following parties via mail, fax, or e-mail within 24 hours of inspection:





## SITE INSPECTION PHOTOS



**MCM5 POST CONSTRUCTION STORMWATER MANAGEMENT  
DOCUMENTATION**

# **BMP MAINTENANCE DOCUMENTATION**



P.O. Box 1301  
Midlothian VA 23113  
(804) 302-5151,  
Info@exactstorm.com  
05/27/2022

CUSTOMER	SERVICE LOCATION
Timmons Group Aislinn Creel 1001 Boulders Parkway, Suite 300 Richmond VA 23225 (804) 200-6544	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	Inspection of Roof Filterras: Units 1, 2, 3, 4, 5, 6, 16, 17, 18, 19, 20, 21
-------------	---------------------------------------------------------------------------------

COMPLETION NOTES	Completed inspections for 12 each Roof Filterras. Completed inspection report for each facility.
------------------	-----------------------------------------------------------------------------------------------------



PICTURES



BMP #1- overall



BMP #1- inside filterra



BMP #2- overall



BMP #2- inside filterra





BMP #3- overall



BMP #3- inside filterra

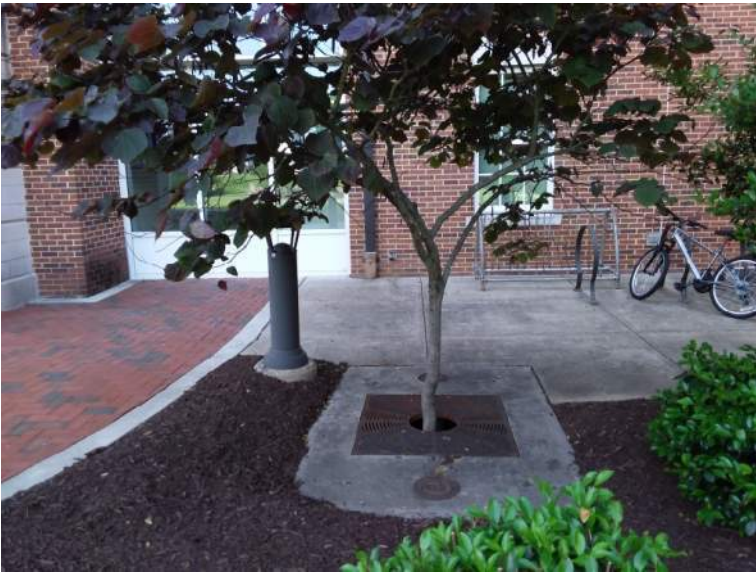


BMP #4- overall



BMP #4- inside filterra





BMP #5- overall



BMP #5- inside filterra



BMP #6- overall



BMP #6- inside filterra



BMP #16- overall





BMP #16- inside filterra



BMP #17- overall



BMP #17- inside filterra





BMP #18- overall



BMP #18- overall



BMP #18- inside filterra



BMP #19- overall





BMP #19- inside filterra



BMP #20- inside filterra



BMP #20- overall



BMP #21- overall



BMP #21- inside filterra

# **SWM FACILITY INSPECTION DOCUMENTATION**





### Filterra BMPs

#### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh		Type: Roof	Size: 4x6	
BMP ID #: 1		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):	15"			
Allowed range (in.):	16" - 18"	23" - 25"		
<p>Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved.          If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media.          Do not overfill unit with mulch;                  for inlet units, mulch should not exceed bottom of inlet throat, and                  for roof units, mulch should not impede bypass piping or splash blocks.</p>				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	10'		Health of plant(s) Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	3"		Damage to plant(s)? Alive	N/A
Width at Widest Point (ft.):	10'		Plant(s) replaced? Alive	N/A



BMP ID #: 1

Date/Time: 5/23/2022

Notes:

BMP #1 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

Certification:

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
 Signature of Inspector

\_\_\_\_\_  
 Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

\_\_\_\_\_  
*Reed B Walsh*  
 Signature of Inspector

8/15/2022  
 Date

Next inspection date: \_\_\_\_\_





BMP ID #:2

Date/Time:5/23/2022

**Notes:**

BMP #2 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_

Signature of InspectorDate

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Red B Walsh*

\_\_\_\_\_

Signature of InspectorDate

8/15/2022

Next inspection date: \_\_\_\_\_







BMP ID #:3

Date/Time:5/23/2022

Notes: BMP #3 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

Certification:

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Red B Walsh*  
\_\_\_\_\_  
Signature of Inspector

8/15/2022  
\_\_\_\_\_  
Date

Next inspection date: \_\_\_\_\_





BMP ID #:4

Date/Time:5/23/2022

Notes: BMP #4 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B. Walsh* \_\_\_\_\_ 8/15/2022

Signature of Inspector Date

Next inspection date: \_\_\_\_\_





### Filterra BMPs

#### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh		Type: Roof	Size: 4x6	
BMP ID #: 5		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):		23"		
Allowed range (in.):	16" - 18"	23" - 25"		
Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	10'		Health of plant(s) Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	3"		Damage to plant(s)? Alive	N/A
Width at Widest Point (ft.):	12'		Plant(s) replaced? Alive	N/A



BMP ID #:5

Date/Time:5/23/2022

Notes: BMP #5 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

Certification:

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

\_\_\_\_\_  
*Reed B Walsh*

8/15/2022

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date

Next inspection date: \_\_\_\_\_



**Filtrerra BMPs**  
**Inspection & Maintenance Checklist**

Inspector Name: Reid Walsh		Type: Roof	Size: 4x6	
BMP ID #: 6		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):		23"		
Allowed range (in.):	16" - 18"	23" - 25"		
<p>Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved.          If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media.          Do not overfill unit with mulch;                                  for inlet units, mulch should not exceed bottom of inlet throat, and                                  for roof units, mulch should not impede bypass piping or splash blocks.</p>				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	10'		Health of plant(s) <span style="color: green;">Alive</span> / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	2.5"		Damage to plant(s)? Alive	N/A
Width at Widest Point (ft.):	9'		Plant(s) replaced? Alive	N/A



BMP ID #:6	Date/Time:5/23/2022
------------	---------------------

**Notes:** BMP #6 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_

Signature of Inspector Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."

\_\_\_\_\_

Signature of Inspector Date

8/15/2022

Next inspection date: \_\_\_\_\_





**Filterra BMPs**  
**Inspection & Maintenance Checklist**

Inspector Name: Reid Walsh		Type: Roof	Size: 4x6	
BMP ID #: 16		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):		23"		
Allowed range (in.):	16" - 18"	23" - 25"		
<p>Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved.          If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media.          Do not overfill unit with mulch;              for inlet units, mulch should not exceed bottom of inlet throat, and              for roof units, mulch should not impede bypass piping or splash blocks.</p>				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	18.5'		Health of plant(s) Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	3"		Damage to plant(s)? Alive	N/A
Width at Widest Point (ft.):	8'		Plant(s) replaced? Alive	N/A



BMP ID #: 16

Date/Time: 5/23/2022

**Notes:** BMP #16 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
 Signature of Inspector

\_\_\_\_\_  
 Date

**6/30/2022**

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B Walsh*  
 \_\_\_\_\_

**8/15/2022**  
 \_\_\_\_\_

Signature of Inspector

Date

Next inspection date: \_\_\_\_\_



**Filterra BMPs**

**Inspection & Maintenance Checklist**

<b>Inspector Name:</b> Reid Walsh		<b>Type:</b> Roof	<b>Size:</b> 4x6	
<b>BMP ID #:</b> 17		<b>Date/Time:</b> 5/23		
<b>Component</b>	<b>(Y/N)</b>	<b>Comments</b>		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	<b>Inlet Filterra</b>	<b>Roof Filterra</b>	<b>Comments</b>	
Measured (in.):		23"		
Allowed range (in.):	16" - 18"	23" - 25"		
<b>Notes:</b> If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
<b>Note:</b> Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
<b>Plant Information</b>	<b>#1</b>	<b>#2</b>	<b>#1</b>	<b>#2</b>
Height Above Grate (ft.):	15'		Health of plant(s)	Alive / Dead    Alive / Dead
Stem Diameter/Caliper (in.):	3.5"		Damage to plant(s)?	Alive            N/A
Width at Widest Point (ft.):	6.5'		Plant(s) replaced?	Alive            N/A



BMP ID #: 17

Date/Time: 5/23/2022

Notes: BMP #17 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B Walsh*  
\_\_\_\_\_  
Signature of Inspector

8/15/2022  
\_\_\_\_\_  
Date

Next inspection date: \_\_\_\_\_









### Filterra BMPs

#### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh		Type: Roof	Size: 4x6	
BMP ID #: 19		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):		23"		
Allowed range (in.):	16" - 18"	23" - 25"		
Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	10.5'		Health of plant(s) Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	1.25"		Damage to plant(s)? Alive	N/A
Width at Widest Point (ft.):	8'		Plant(s) replaced? Alive	N/A



BMP ID #: 19

Date/Time: 5/23/2022

Notes: BMP #19 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B Walsh*  
\_\_\_\_\_  
Signature of Inspector

8/15/2022  
\_\_\_\_\_  
Date

Next inspection date: \_\_\_\_\_







BMP ID #:20

Date/Time:5/23/2022

Notes: BMP #20 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B Walsh* 8/15/2022  
\_\_\_\_\_  
Signature of Inspector Date

Next inspection date: \_\_\_\_\_









P.O. Box 1301  
Midlothian VA 23113  
(804) 302-5151,  
Info@exactstorm.com  
05/27/2022

CUSTOMER	SERVICE LOCATION
Timmons Group Aislinn Creel 1001 Boulders Parkway, Suite 300 Richmond VA 23225 (804) 200-6544	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	Inspection of Inlet Filterras: Units 7, 8, 9, 10, 11, 12, 13, 41, 42, 43, 44
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COMPLETION NOTES	Completed inspections of 11 ea Inlet Filterras. Completed inspection report for each facility.
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PICTURES



BMP #7- overall



BMP #7- throat inlet



BMP #7- inside filterra



BMP #8- overall



BMP #8- throat inlet



BMP #8- inside filterra





BMP #9- overall



BMP #9- throat inlet



BMP #9- inside filterra



BMP #10- overall



BMP #10- throat inlet



BMP #10- inside left side filterra





BMP #10- right side of filterra



BMP #11- overall



BMP #11- throat inlet



BMP #11- left side of filterra





BMP #11- right side of filterra



BMP #12- overall



BMP #12- throat inlet



BMP #12- inside filterra



BMP #13- overall



BMP #13- throat inlet





BMP #13- inside filterra



BMP #41- Overall



BMP #41- throat inlet



BMP #41- left side of filterra



BMP #41- right side of filterra



BMP #42- overall





BMP #42- throat inlet



BMP #42- inside filterra



BMP #43- overall



BMP #43- throat inlet



BMP #43- inside filterra



BMP #44- overall





BMP #44- throat inlet



BMP #44- inside filterra







BMP ID #: 7

Date/Time: 5/23/2022

**Notes:** BMP #7 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer. Remove all inlet energy dissipater stones from throat/inlet and clean and replace.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
 Signature of Inspector

\_\_\_\_\_  
 Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B. Walsh*  
 \_\_\_\_\_  
 Signature of Inspector

8/15/2022  
 \_\_\_\_\_  
 Date

Next inspection date: \_\_\_\_\_



### Filterra BMPs

#### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh		Type: Inlet	Size: 6x8
BMP ID #: 8		Date/Time: 5/23	
Component	(Y/N)	Comments	
<b>Initial Observations</b>			
Standing Water?	No		
Damage to Box Structure?	No		
Damage to Grate?	No		
Is Bypass Clear?	No		
<b>Waste</b>			
Silt/Clay?	Silt		
Cups/Bags/Trash?	Trash		
Leaves?	Yes		
Other?			
<b>Erosion Control</b>			
Netting in Need of Replacement?	No		
Stones in Need of Replacement?	No		
<b>Mulch</b>			
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments
Measured (in.):	15"		
Allowed range (in.):	16" - 18"	23" - 25"	
Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.			
Amount of Mulch to be Added or Replaced:			
Type of Mulch to be Added or Replaced:			
Date Mulch Added or Replaced:			
<b>Plantings</b>			
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.			
Plant Information	#1	#2	
Height Above Grate (ft.):	9'		Health of plant(s) Alive / Dead      Alive / Dead
Stem Diameter/Caliper (in.):	4"		Damage to plant(s)? Alive      N/A
Width at Widest Point (ft.):	16'		Plant(s) replaced? Alive      N/A









BMP ID #:9

Date/Time:5/23/2022

**Notes:** BMP #9 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer. Remove all inlet energy dissipater stones from throat/inlet and clean and replace.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B Walsh*  
\_\_\_\_\_  
Signature of Inspector

8/15/2022  
\_\_\_\_\_  
Date

Next inspection date: \_\_\_\_\_



**Filterra BMPs**  
**Inspection & Maintenance Checklist**

Inspector Name: Reid Walsh		Type: Inlet	Size: 7x13	
BMP ID #: 10		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):	15"			
Allowed range (in.):	16" - 18"	23" - 25"		
Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	14'	7'	Health of plant(s) Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	3.5"	1.5"	Damage to plant(s)? Alive	Alive
Width at Widest Point (ft.):	11.5'	7'	Plant(s) replaced? Alive	Alive























BMP ID #:41

Date/Time:5/23/2022

**Notes:** BMP #41 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer. Remove all inlet energy dissipater stones from throat/inlet and clean and replace.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B Walsh*  
\_\_\_\_\_  
Signature of Inspector

8/15/2022  
\_\_\_\_\_  
Date

Next inspection date: \_\_\_\_\_





**Filterra BMPs**

**Inspection & Maintenance Checklist**

Inspector Name: Reid Walsh		Type: Inlet	Size: 6x10	
BMP ID #: 42		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):	15"			
Allowed range (in.):	16" - 18"	23" - 25"		
Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	9'		Health of plant(s) Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	5"		Damage to plant(s)? Alive	N/A
Width at Widest Point (ft.):	7'		Plant(s) replaced? Alive	N/A



BMP ID #:42

Date/Time:5/23/2022

Notes: BMP #42 appeared to be functioning in degraded condition during the time of inspection. We found an excessive amount of sediment, trash and debris inside this filterra unit. Remove all accumulated sediment, trash and debris from filterra and install a new 3" mulch layer. Remove all inlet energy dissipater stones from throat/inlet and clean and replace.

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

\_\_\_\_\_  
Signature of Inspector Date

6/30/2022

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

*Reed B Walsh* \_\_\_\_\_ 8/15/2022

Signature of Inspector Date

Next inspection date: \_\_\_\_\_



**Filtrerra BMPs**  
**Inspection & Maintenance Checklist**

Inspector Name: Reid Walsh		Type: Inlet	Size: 6x10	
BMP ID #: 43		Date/Time: 5/23		
Component	(Y/N)	Comments		
<b>Initial Observations</b>				
Standing Water?	No			
Damage to Box Structure?	No			
Damage to Grate?	No			
Is Bypass Clear?	No			
<b>Waste</b>				
Silt/Clay?	Silt			
Cups/Bags/Trash?	Trash			
Leaves?	Yes			
Other?				
<b>Erosion Control</b>				
Netting in Need of Replacement?	No			
Stones in Need of Replacement?	No			
<b>Mulch</b>				
Depth from Top of Slab to Surface of Mulch	Inlet Filterra	Roof Filterra	Comments	
Measured (in.):	15"			
Allowed range (in.):	16" - 18"	23" - 25"		
Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.				
Amount of Mulch to be Added or Replaced:				
Type of Mulch to be Added or Replaced:				
Date Mulch Added or Replaced:				
<b>Plantings</b>				
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.				
Plant Information	#1	#2	#1	#2
Height Above Grate (ft.):	7.5'		Health of plant(s) Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):	5.5"		Damage to plant(s)? Alive	N/A
Width at Widest Point (ft.):	9'		Plant(s) replaced? Alive	N/A











P.O. Box 1301  
Midlothian VA 23113  
(804) 302-5151,  
Info@exactstorm.com  
05/27/2022

CUSTOMER	SERVICE LOCATION
Timmons Group Aislinn Creel 1001 Boulders Parkway, Suite 300 Richmond VA 23225 (804) 200-6544	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	Inspection of Stormfilters: Units 22, 23, 35, 47, 48, 49
-------------	-------------------------------------------------------------

COMPLETION NOTES	Completed 6 ea inspections for Stormfilters. Completed inspection report for each facility.
------------------	------------------------------------------------------------------------------------------------

PICTURES



BMP #22- overall



BMP #22- cartridge bay



BMP #23- overall



BMP #23- cartridge bay





BMP #35- overall



BMP #35- cartridge bay



BMP #35- inlet pipe needs to be mortared



BMP #47- Overall



BMP #47- cartridge bay



BMP #47- cartridge bay





BMP #47- cartridge bay



BMP #48- overall



BMP #48- overall



BMP #48- cartridge bay



BMP #48- cartridge bay



BMP #49- overall





BMP #48- cartridge bay



BMP #49- cartridge bay



**StormFilter BMP  
 Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #:</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
<b>I. Below Ground Vault</b>						
Sediment accumulation top of cartridge			Sediment depth exceeds 0.25 inches			
Sediment accumulation in vault			Sediment depth exceeds 4 inches in the first chamber			
Submerged cartridges			More than 4" of static water in the cartridge bay 24 hours after last rainfall event			
Trash/debris accumulation			Trash and debris accumulated on compost filter bed			
Sediment in drain pipes or cleanouts			Drain pipes and/or clean outs are full of sediment and/or debris			
Damaged pipes			Any part of any pipe crushed or damaged due to corrosion and/or settlement			
Access cover damaged/not working			Cover cannot be opened; one person cannot open the cover using normal lifting pressure; corrosion/deformation of cover			
Vault structure includes cracks in wall or bottom; damage to the frame and/or top slab			Cracks wider than ½ inch or evidence of soil particles entering the structure through cracks; determination that the vault is not structurally sound			
			Cracks wider than ½ inch at the joint of any inlet/outlet pipe or evidence of soil particles entering through the cracks			
Baffles			Baffles corroding, cracking, warping, and/or showing signs of failure			
Access ladder damaged			Ladder is corroded or deteriorated, not functioning properly, not securely secured to the structure wall and/or missing rungs; cracks; misalignment			





<b>BMP ID #: 22</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
<b>II. Below Ground Cartridge Type</b>						
Filter Media			Drawdown of water through the media takes longer than one hour and/or overflow occurs frequently			
Short Circuiting			Flows do no properly enter filter cartridges			

**Notes:**

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 \_\_\_\_\_  
**Signature of Inspector** **Date**

If maintenance is required, provide a time frame for maintenance completion:     *Randy B. Wald*      
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 \_\_\_\_\_  
**Signature of Inspector** **Date**

Next inspection date: \_\_\_\_\_



**StormFilter BMP  
 Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #:</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
<b>I. Below Ground Vault</b>						
Sediment accumulation top of cartridge			Sediment depth exceeds 0.25 inches			
Sediment accumulation in vault			Sediment depth exceeds 4 inches in the first chamber			
Submerged cartridges			More than 4" of static water in the cartridge bay 24 hours after last rainfall event			
Trash/debris accumulation			Trash and debris accumulated on compost filter bed			
Sediment in drain pipes or cleanouts			Drain pipes and/or clean outs are full of sediment and/or debris			
Damaged pipes			Any part of any pipe crushed or damaged due to corrosion and/or settlement			
Access cover damaged/not working			Cover cannot be opened; one person cannot open the cover using normal lifting pressure; corrosion/deformation of cover			
Vault structure includes cracks in wall or bottom; damage to the frame and/or top slab			Cracks wider than ½ inch or evidence of soil particles entering the structure through cracks; determination that the vault is not structurally sound			
			Cracks wider than ½ inch at the joint of any inlet/outlet pipe or evidence of soil particles entering through the cracks			
Baffles			Baffles corroding, cracking, warping, and/or showing signs of failure			
Access ladder damaged			Ladder is corroded or deteriorated, not functioning properly, not securely secured to the structure wall and/or missing rungs; cracks; misalignment			




BMP ID #: 23				Date/Time:		
				Maintenance required?		
Component:	Yes	No	Conditions When Maintenance is Needed	Yes	No	Comments:
<b>II. Below Ground Cartridge Type</b>						
Filter Media			Drawdown of water through the media takes longer than one hour and/or overflow occurs frequently			
Short Circuiting			Flows do not properly enter filter cartridges			

**Notes:**

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

  
 \_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

If maintenance is required, provide a time frame for maintenance completion:  
 Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

\_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_



**StormFilter BMP  
 Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #:</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
<b>I. Below Ground Vault</b>						
Sediment accumulation top of cartridge			Sediment depth exceeds 0.25 inches			
Sediment accumulation in vault			Sediment depth exceeds 4 inches in the first chamber			
Submerged cartridges			More than 4" of static water in the cartridge bay 24 hours after last rainfall event			
Trash/debris accumulation			Trash and debris accumulated on compost filter bed			
Sediment in drain pipes or cleanouts			Drain pipes and/or clean outs are full of sediment and/or debris			
Damaged pipes			Any part of any pipe crushed or damaged due to corrosion and/or settlement			
Access cover damaged/not working			Cover cannot be opened; one person cannot open the cover using normal lifting pressure; corrosion/deformation of cover			
Vault structure includes cracks in wall or bottom; damage to the frame and/or top slab			Cracks wider than ½ inch or evidence of soil particles entering the structure through cracks; determination that the vault is not structurally sound			
			Cracks wider than ½ inch at the joint of any inlet/outlet pipe or evidence of soil particles entering through the cracks			
Baffles			Baffles corroding, cracking, warping, and/or showing signs of failure			
Access ladder damaged			Ladder is corroded or deteriorated, not functioning properly, not securely secured to the structure wall and/or missing rungs; cracks; misalignment			





BMP ID #: 35				Date/Time:		
				Maintenance required?		
Component:	Yes	No	Conditions When Maintenance is Needed	Yes	No	Comments:
<b>II. Below Ground Cartridge Type</b>						
Filter Media			Drawdown of water through the media takes longer than one hour and/or overflow occurs frequently			
Short Circuiting			Flows do not properly enter filter cartridges			

**Notes:**

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 \_\_\_\_\_  
**Signature of Inspector** **Date**

If maintenance is required, provide a time frame for maintenance completion;  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 \_\_\_\_\_  
**Signature of Inspector** **Date**

Next inspection date: \_\_\_\_\_



**StormFilter BMP  
 Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #:</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
<b>I. Below Ground Vault</b>						
Sediment accumulation top of cartridge			Sediment depth exceeds 0.25 inches			
Sediment accumulation in vault			Sediment depth exceeds 4 inches in the first chamber			
Submerged cartridges			More than 4" of static water in the cartridge bay 24 hours after last rainfall event			
Trash/debris accumulation			Trash and debris accumulated on compost filter bed			
Sediment in drain pipes or cleanouts			Drain pipes and/or clean outs are full of sediment and/or debris			
Damaged pipes			Any part of any pipe crushed or damaged due to corrosion and/or settlement			
Access cover damaged/not working			Cover cannot be opened; one person cannot open the cover using normal lifting pressure; corrosion/deformation of cover			
Vault structure includes cracks in wall or bottom; damage to the frame and/or top slab			Cracks wider than ½ inch or evidence of soil particles entering the structure through cracks; determination that the vault is not structurally sound			
			Cracks wider than ½ inch at the joint of any inlet/outlet pipe or evidence of soil particles entering through the cracks			
Baffles			Baffles corroding, cracking, warping, and/or showing signs of failure			
Access ladder damaged			Ladder is corroded or deteriorated, not functioning properly, not securely secured to the structure wall and/or missing rungs; cracks; misalignment			





**StormFilter BMP  
 Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #:</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
<b>I. Below Ground Vault</b>						
Sediment accumulation top of cartridge			Sediment depth exceeds 0.25 inches			
Sediment accumulation in vault			Sediment depth exceeds 4 inches in the first chamber			
Submerged cartridges			More than 4" of static water in the cartridge bay 24 hours after last rainfall event			
Trash/debris accumulation			Trash and debris accumulated on compost filter bed			
Sediment in drain pipes or cleanouts			Drain pipes and/or clean outs are full of sediment and/or debris			
Damaged pipes			Any part of any pipe crushed or damaged due to corrosion and/or settlement			
Access cover damaged/not working			Cover cannot be opened; one person cannot open the cover using normal lifting pressure; corrosion/deformation of cover			
Vault structure includes cracks in wall or bottom; damage to the frame and/or top slab			Cracks wider than ½ inch or evidence of soil particles entering the structure through cracks; determination that the vault is not structurally sound			
			Cracks wider than ½ inch at the joint of any inlet/outlet pipe or evidence of soil particles entering through the cracks			
Baffles			Baffles corroding, cracking, warping, and/or showing signs of failure			
Access ladder damaged			Ladder is corroded or deteriorated, not functioning properly, not securely secured to the structure wall and/or missing rungs; cracks; misalignment			







**StormFilter BMP  
 Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #:</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
<b>I. Below Ground Vault</b>						
Sediment accumulation top of cartridge			Sediment depth exceeds 0.25 inches			
Sediment accumulation in vault			Sediment depth exceeds 4 inches in the first chamber			
Submerged cartridges			More than 4" of static water in the cartridge bay 24 hours after last rainfall event			
Trash/debris accumulation			Trash and debris accumulated on compost filter bed			
Sediment in drain pipes or cleanouts			Drain pipes and/or clean outs are full of sediment and/or debris			
Damaged pipes			Any part of any pipe crushed or damaged due to corrosion and/or settlement			
Access cover damaged/not working			Cover cannot be opened; one person cannot open the cover using normal lifting pressure; corrosion/deformation of cover			
Vault structure includes cracks in wall or bottom; damage to the frame and/or top slab			Cracks wider than ½ inch or evidence of soil particles entering the structure through cracks; determination that the vault is not structurally sound			
			Cracks wider than ½ inch at the joint of any inlet/outlet pipe or evidence of soil particles entering through the cracks			
Baffles			Baffles corroding, cracking, warping, and/or showing signs of failure			
Access ladder damaged			Ladder is corroded or deteriorated, not functioning properly, not securely secured to the structure wall and/or missing rungs; cracks; misalignment			





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05/27/2022

CUSTOMER	SERVICE LOCATION
Timmons Group Aislinn Creel 1001 Boulders Parkway, Suite 300 Richmond VA 23225 (804) 200-6544	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	Inspection of Sand Filter: Unit 31 Delaware Sand Filter
-------------	------------------------------------------------------------

COMPLETION NOTES	Completed inspection for 1 Sand Filter. Completed inspection report for facility.
------------------	--------------------------------------------------------------------------------------



PICTURES



BMP #31- overall



BMP #31- inlet chamber



BMP #31- right manhole is access to the sediment chamber, left manhole is access to the sand filter side



BMP #31- sediment chamber



BMP #31- sediment chamber



BMP #31- sand filter side



BMP #31- sand filter side





# Intermittent Sand Filter

Capital Outlay and Facilities Management  
 PO Box 9414  
 Virginia State University, VA 23806  
 Phone: (804)524-3971  
 Fax: (804)524-5383

## Inspection & Maintenance Checklist

<b>Inspector Name:</b>		<b>Site Location:</b>		
<b>Type of BMP:</b>				<b>Date:</b>
<b>Component</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>
<b>Debris Cleanout</b>				
Contributing areas of debris				
Filtration facility clean of debris				
Inlets and outlets clear of debris				
<b>Vegetation in Contributing Drainage Area</b>				
Stabilized				
Active evidence of erosion				
Area mowed and clippings removed				
<b>Oil and Grease</b>				
Evidence of filter surface clogging				
Activities in drainage area to minimize oil and grease entry				
<b>Water Retention Where Required</b>				
Water holding chambers at normal pool				
Evidence of leakage				
<b>Sediment Deposition</b>				
Filtration chambers clean of sediment				
Water chambers not more than half full of sediment				
<b>Structural Components</b>				
Evidence of structural deterioration				



## Intermittent Sand Filter

### Inspection & Maintenance Checklist

Grates are in good condition					
Evidence of spalling or cracking of structural parts					
<b>Outlets/Overflow Spillway</b>					
Obstruction					
Adequate riprap					
Undercutting at the outlet					
Outlet channel scour					
<b>Overall Function of Facility</b>					
Evidence of flow					
Noticeable odors					
<p>Notes:</p> <p>BMP #31 appears to be functioning in moderate condition. Sediment buildup was found in the sediment chamber and excessive trash and debris found on the sand filter side. Maintenance is required for this facility to help restore it to its design functionality.</p>					
<p>Certification:</p> <p>If no maintenance is required, certify the following:</p> <p>“I certify that the inspection is complete and that no action is necessary at this time.”</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p><b>Signature of Inspector</b></p> <p>_____</p> </div> <div style="text-align: center;"> <p><b>Date</b></p> <p>_____</p> </div> </div> <p>If maintenance is required, provide a time frame for maintenance completion: _____</p> <p>Upon maintenance completion, re-inspect and certify the following:</p> <p>“I certify that all recommended maintenance is complete and no additional action is necessary at this time”</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p><b>Signature of Inspector</b></p> <p>_____</p> </div> <div style="text-align: center;"> <p><b>Date</b></p> <p>_____</p> </div> </div> <p>Next inspection date: _____</p>					





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05/27/2022

CUSTOMER	SERVICE LOCATION
Timmons Group Aislinn Creel 1001 Boulders Parkway, Suite 300 Richmond VA 23225 (804) 200-6544	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	Inspection of Sorbtive Filter: Units 32, 33, 34
-------------	----------------------------------------------------

COMPLETION NOTES	Completed inspection of 3 ea Sorbtive Filters. Completed inspection report for each facility.
------------------	--------------------------------------------------------------------------------------------------

PICTURES



BMP #32- overall



BMP #32- inside view



BMP #33- overall



BMP #33- inside view



BMP #34- overall



BMP #34- inside view



**Sorbitive Filter BMP**

**Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #: 32</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
The access manhole or access doors are functioning properly and are structurally sound						
Sediment and oil are present (provide depths)						
Floatable pollutant accumulation is present in the Pre-treatment Bay						
The Cartridge Bay is visually inspected for sediment depth (provide depth)*(If sediment depth is greater than 6 inches, maintenance is required						
Proper draindown is occurring in the Cartridge Bay *(If at least 40 hours of dry weather have elapsed, since the most recent runoff event and the Bay contains more than 3 inches of water above the sediment layer, the Sorbtive BRICKs required cleaning or replacement						
The internal components show no signs of damage						






BMP ID #: 32	Date/Time: 5/24/2022
--------------	----------------------

Notes:

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."

  
 \_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."

\_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_



**Sorbitive Filter BMP**

**Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #: 33</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
The access manhole or access doors are functioning properly and are structurally sound						
Sediment and oil are present (provide depths)						
Floatable pollutant accumulation is present in the Pre-treatment Bay						
The Cartridge Bay is visually inspected for sediment depth (provide depth)*(If sediment depth is greater than 6 inches, maintenance is required						
Proper draindown is occurring in the Cartridge Bay *(If at least 40 hours of dry weather have elapsed, since the most recent runoff event and the Bay contains more than 3 inches of water above the sediment layer, the Sorbtive BRICKs required cleaning or replacement						
The internal components show no signs of damage						



BMP ID #: 33

Date/Time: 5/24/2022

Notes:

**Certification:**

If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

*Rand B Wald*

\_\_\_\_\_  
 Signature of Inspector

\_\_\_\_\_  
 Date

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_

Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

\_\_\_\_\_  
 Signature of Inspector

\_\_\_\_\_  
 Date

Next inspection date: \_\_\_\_\_



**Sorbitive Filter BMP**

**Inspection & Maintenance Checklist**

<b>Inspector Name:</b>				<b>Type of BMP:</b>		
<b>BMP ID #: 34</b>				<b>Date/Time:</b>		
				<b>Maintenance required?</b>		
<b>Component:</b>	<b>Yes</b>	<b>No</b>	<b>Conditions When Maintenance is Needed</b>	<b>Yes</b>	<b>No</b>	<b>Comments:</b>
The access manhole or access doors are functioning properly and are structurally sound						
Sediment and oil are present (provide depths)						
Floatable pollutant accumulation is present in the Pre-treatment Bay						
The Cartridge Bay is visually inspected for sediment depth (provide depth)*(If sediment depth is greater than 6 inches, maintenance is required						
Proper draindown is occurring in the Cartridge Bay *(If at least 40 hours of dry weather have elapsed, since the most recent runoff event and the Bay contains more than 3 inches of water above the sediment layer, the Sorbtive BRICKs required cleaning or replacement						
The internal components show no signs of damage						







P.O. Box 1301  
Midlothian VA 23113  
(804) 302-5151,  
Info@exactstorm.com  
05/27/2022

CUSTOMER	SERVICE LOCATION
Timmons Group Aislinn Creel 1001 Boulders Parkway, Suite 300 Richmond VA 23225 (804) 200-6544	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	Inspection of Underground Units: Units 15, 24, 25, 26, 27, 28, 36, 37, 38, 39, 40, 50
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COMPLETION NOTES	Completed inspections for 12 ea underground Units. Completed inspection report for each facility.
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PICTURES



BMP #15- top view



BMP #15- inside view



BMP #15- top view



BMP #15- inside view



BMP #15- top view



BMP #15- inside view





BMP #24- top view



BMP #24- inside view



BMP #24- top view



BMP #24- inside view



BMP #25- top view



BMP #25- inside view





BMP #25- top view



BMP #25- top view



BMP #25- inside view of top manhole



BMP #25- inside view of bottom manhole



BMP #26- top view



BMP #26- inside view





BMP #26- top view



BMP #26- inside view



BMP #26- top view



BMP #26- inside view



BMP #27- top view of detention chamber



BMP #27- inside view of detention chamber



BMP #27- top view of sand filter side



BMP #27- inside view of sand filter side





BMP #28- top view of detention chamber



BMP #28- inside view of detention chamber



BMP #28- top view of sand filter side



BMP #28- inside view of sand filter side



BMP #36- overall



BMP #36- inside view





BMP #36- overall



BMP #36- inside view



BMP #36- overall



BMP #36- inside view





BMP #37- overall



BMP #37- inside view



BMP #38- top view

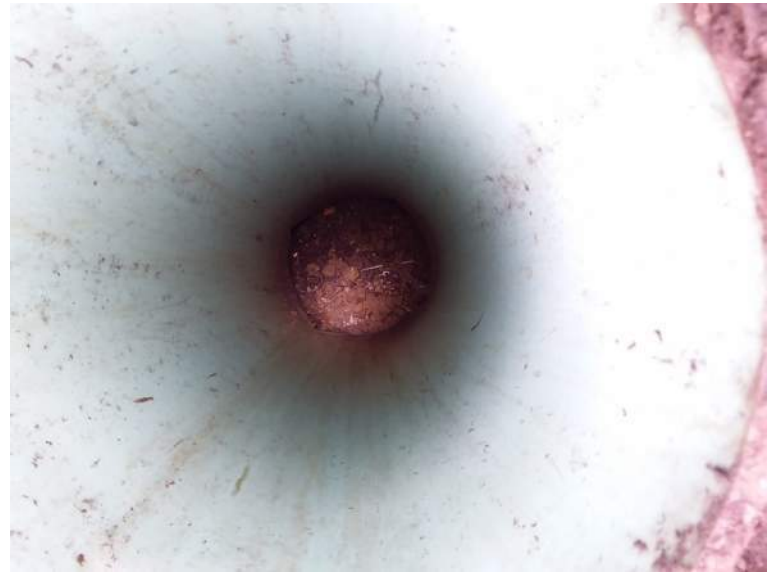


BMP #38- inside view





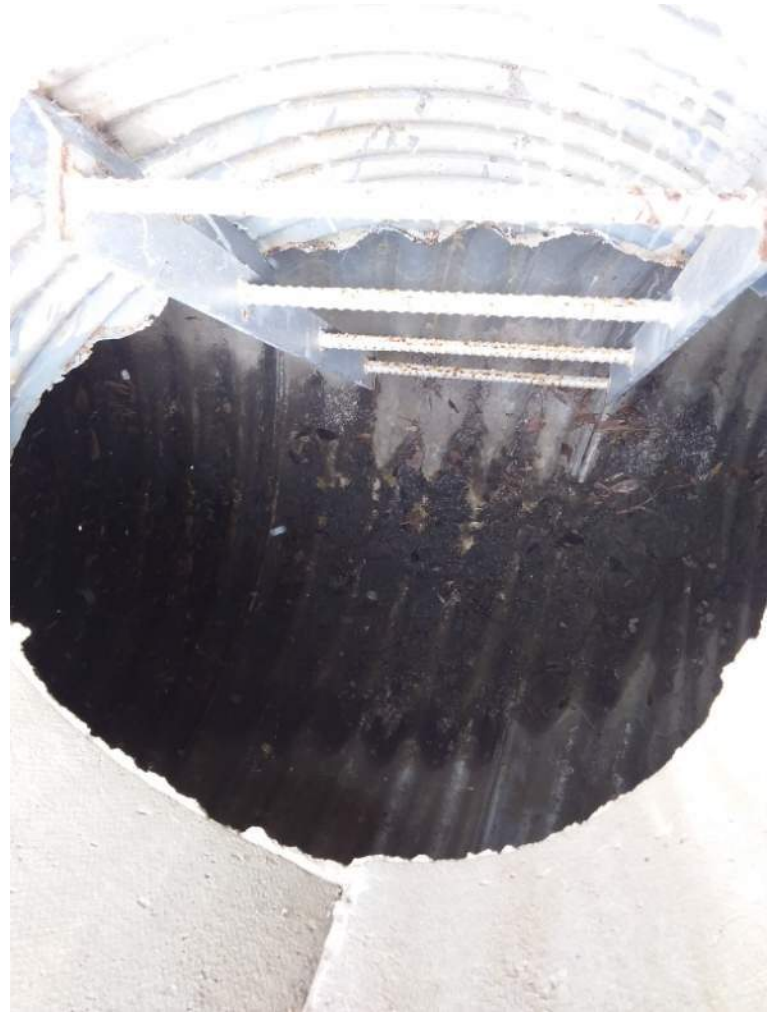
BMP #39- overall



BMP #39- minimal sediment/debris accumulation



BMP #40- overall



BMP #40- top view





BMP #40- overall



BMP #40- inside view



BMP #40- overall

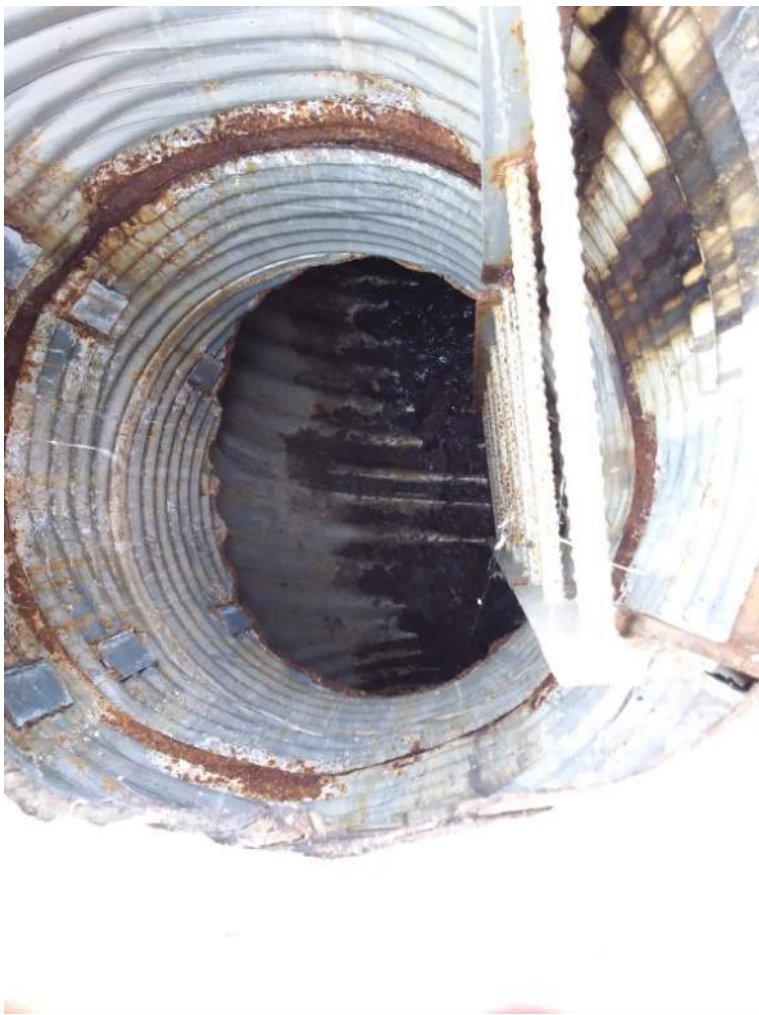


BMP #40- inside view



BMP #40- overall





BMP #40- inside view



BMP #40- overall



BMP #40- inside view of left manhole





BMP #40- inside view of right manhole



BMP #50- overall



BMP #50- inside view



BMP #50- overall



BMP #50- inside view



BMP #50- overall



BMP #50- inside view



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh			Type of BMP: CMP Underground Detention
BMP ID #: 15			Date/Time:
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			






BMP ID #: 15			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (If applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #15 appeared to be functioning as designed during the time of inspection. Sediment depths varies from 1-2" throughout the CMP Underground Detention System. Therefore, no need for maintenance at this time.

**Certification:**  
 If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

**Signature of Inspector** \_\_\_\_\_ **Date** \_\_\_\_\_  


If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

**Signature of Inspector** \_\_\_\_\_ **Date** \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

<b>Inspector Name:</b> Reid Walsh			<b>Type of BMP:</b> CMP Irrigation Storage Tank
<b>BMP ID #:</b> 24			<b>Date/Time:</b>
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			



BMP ID #: 24			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (If applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #24 appeared to be functioning as designed during the time of inspection. Sediment depths were observed at <1". Therefore, no need for maintenance at this time.

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector:     *Rend B. Wald*     Date: \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

<b>Inspector Name:</b> Reid Walsh			<b>Type of BMP:</b> CMP Underground Detention
<b>BMP ID #:</b> 25			<b>Date/Time:</b>
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			






BMP ID #: 25			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (if applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #25 appears to be functioning as designed. The low flow orifice was clear and no evidence of standing water inside this facility. Continue to monitor and inspect this system to ensure system is functioning properly. 1-2" of sediment was found in the furthest SW access point. No maintenance needed at this time.

**Certification:**  
 If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."

**Signature of Inspector** \_\_\_\_\_ **Date** \_\_\_\_\_  


If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

**Signature of Inspector** \_\_\_\_\_ **Date** \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

<b>Inspector Name:</b> Reid Walsh			<b>Type of BMP:</b> CMP Underground Detention
<b>BMP ID #:</b> 26			<b>Date/Time:</b>
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			



BMP ID #: 26			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (If applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #26 appears to be functioning as designed. The low flow orifice was clear and no evidence of standing water inside this facility. Continue to monitor and inspect this system to ensure system is functioning properly. No maintenance needed at this time.

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector:     *Rend B. Wald*     Date: \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh			Type of BMP: R-Tank Underground System
BMP ID #: 36			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			





<b>BMP ID #:36</b>			<b>Date/Time: 5/25/2022</b>
<b>Inspection Finding</b>	<b>Y/N</b>	<b>Maintenance Required Y/N</b>	<b>Comments</b>
D. Obstruction?			
E. Adequate riprap (If applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #36 appears to be functioning in moderate condition. Approximately 22" of standing water found in the inspection port. Very little sediment found beneath the standing water. This system is not designed to hold water for extended periods of time. We suspect a clog or blockage may be present downstream causing the water to hold in this R-Tank System. Further investigation may be necessary to identify the cause of this issue.

**Certification:**  
 If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."  
**Signature of Inspector** \_\_\_\_\_ **Date** \_\_\_\_\_  
*Reed B. Wald*

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
**Signature of Inspector** \_\_\_\_\_ **Date** \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh			Type of BMP: R-Tank Underground System
BMP ID #: 37			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			



BMP ID #: 37			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (If applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #37 appears to be functioning as designed. The inspection port had very minimal sediment accumulation. Continue to monitor and inspect this system to ensure system is functioning properly. No maintenance needed at this time.

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector:     *Rend B. Wald*     Date: \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Next inspection date: \_\_\_\_\_



**Underground Detention Systems  
 (Water Quantity)  
 Inspection & Maintenance Checklist**

<b>Inspector Name:</b> Reid Walsh			<b>Type of BMP:</b> R-Tank Underground System
<b>BMP ID #:</b> 38			<b>Date/Time:</b> 5/25/2022
<b>Inspection Finding</b>	<b>Y/N</b>	<b>Maintenance Required Y/N</b>	<b>Comments</b>
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			





BMP ID #: 38			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (if applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #38 appears to be functioning as designed. Inspection port had very little sediment/debris accumulation. Therefore, no maintenance is necessary at this time.

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector:     *Rend B. Wald*     Date: \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh			Type of BMP: R-Tank Underground System
BMP ID #: 39			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			



BMP ID #: 39			Date/Time: 5/25/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (if applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #39 appears to be functioning as designed. Inspection port had very little sediment/debris accumulation. Therefore, no maintenance is necessary at this time.

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector:     *Reed B. Wald*     Date: \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Next inspection date: \_\_\_\_\_



**Underground Detention Systems  
 (Water Quantity)**

**Inspection & Maintenance Checklist**

<b>Inspector Name:</b> Reid Walsh			<b>Type of BMP:</b> CMP Underground Detention
<b>BMP ID #:</b> 40			<b>Date/Time:</b> 5/25/2022
<b>Inspection Finding</b>	<b>Y/N</b>	<b>Maintenance Required Y/N</b>	<b>Comments</b>
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			







## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

<b>Inspector Name:</b> Reid Walsh			<b>Type of BMP:</b> Underground Detention/Sand Filter
<b>BMP ID #:</b> 27			<b>Date/Time:</b> 5/26/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			



BMP ID #: 27			Date/Time: 5/26/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
D. Obstruction?			
E. Adequate riprap (if applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #27 appeared to be functioning in moderate condition during the time of inspection. Sediment depths measured approximately 3-4" in detention chamber. The fabric on top of sand filter needs to be secured properly to prevent it from getting washed out. Maintenance is recommended at this time to help improve the functionality of this system.

**Certification:**  
 If no maintenance is required, certify the following:

"I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector \_\_\_\_\_ Date \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: Reed B Wald  
 Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector \_\_\_\_\_ Date \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

<b>Inspector Name:</b> Reid Walsh			<b>Type of BMP:</b> Underground Detention/Sand Filter
<b>BMP ID #:</b> 28			<b>Date/Time:</b> 5/26/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			





<b>BMP ID #: 28</b>			<b>Date/Time: 5/26/2022</b>
<b>Inspection Finding</b>	<b>Y/N</b>	<b>Maintenance Required Y/N</b>	<b>Comments</b>
D. Obstruction?			
E. Adequate riprap (If applicable)?	Not applicable		
F. Undercutting at the outlet?	Not applicable		
G. Outlet channel scour?	Not applicable		

**Notes:** BMP #28 appeared to be functioning in moderate condition during the time of inspection. Sediment/sludge depths measured approximately 14" in detention chamber. Sediment buildup on top of the fabric for sand filter appears to be preventing this system from functioning properly. Maintenance is recommended at this time to help improve the functionality of this system.

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector \_\_\_\_\_ Date \_\_\_\_\_  
 \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: Reed B Wald  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector \_\_\_\_\_ Date \_\_\_\_\_  
 \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Underground Detention Systems (Water Quantity)

### Inspection & Maintenance Checklist

Inspector Name: Reid Walsh			Type of BMP: CMP Underground Detention
BMP ID #: 50			Date/Time: 5/26/2022
Inspection Finding	Y/N	Maintenance Required Y/N	Comments
<b>I. Internal Storage Area</b>			
A. Sediment present?			
B. Trash/debris present?			
C. Separation of joints, cracks, breaks, or deterioration of structure?			
D. Algal growth present?			
E. Evidence of seepage, leakage, or rust?			
F. Evidence of pollutants?			
<b>Inlet &amp; Outlet Piping</b>			
A. Inspection manhole functioning properly?			
B. Clogging of inflow pipes?			
C. Clogging of outflow pipes?			





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 Info@exactstorm.com  
 05/27/2022

CUSTOMER	SERVICE LOCATION
Timmons Group Aislinn Creel 1001 Boulders Parkway, Suite 300 Richmond VA 23225 (804) 200-6544	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	Inspection of Surface BMP's: Units 29, 30, 46
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COMPLETION NOTES	Completed inspection for 3 ea Surface BMP's. Completed inspection report for each facility.
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PICTURES



BMP #29- facing north



BMP #29- facing southwest



BMP #29- inlet area



BMP #29- riser structure



BMP #30- inlet channel



BMP #30- inlet channel





BMP #30- access road eroding and washing out



BMP #30- forebay



BMP #30- forebay



BMP #30- facing northwest



BMP #30- facing southeast



BMP #30- inside view of outlet structure





BMP #30- outlet structure



BMP #30- emergency spillway



BMP #46- facing northwest



BMP #46- facing southeast



BMP #46- both fountains are operating properly



BMP #46- viewpoint looking towards outlet structure





BMP #46- close up of outlet structure



BMP #46- inside view of outlet structure



BMP #46- inside view of outlet structure





## Detention, Retention, & Impoundment BMPs

### Inspection & Maintenance Checklist

<b>Inspector Name:</b>			<b>Type of BMP:</b>	
<b>BMP ID #:</b>			<b>Date/Time:</b>	
Component	Yes	No	N/A	Comments
<b>I. Embankment</b>				
<b>A. Top</b>				
1. Visual settlement				
2. Misalignment				
3. Cracking				
<b>B. Upstream Slope</b>				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
<b>C. Downstream Slope</b>				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
<b>E. Drainage/seepage control</b>				
1. Internal drains flowing				
2. Seepage at toe				
<b>II. Emergency Spillway</b>				
1. Eroding or backcutting				
2. Obstruction				
3. Leaking				
4. Operational				



BMP ID #:			Date/Time:	
Component	Yes	No	N/A	Comments
<b>III. Principal Spillway Barrel</b>				
1. Seepage into pipe				
2. Debris present				
3. Displaced or offset joints				
<b>IV. Outlet Protection/Stilling Basin</b>				
1. Obstruction				
2. Adequate riprap				
3. Undercutting at the outlet				
4. Outlet channel scour				
<b>V. Internal Basin Area</b>				
<b>A. Low Flow Channel*</b>				
1. Erosion				
2. Adequate vegetation				
3. Obstruction				
<b>B. Basin Bottom &amp; Side Slopes</b>				
1. Erosion				
2. Adequate stabilization				
3. Sediment accumulation				
4. Floating debris				
5. High water marks				
6. Shoreline protection				
<b>C. Inflow Channels/Pipes</b>				
1. Erosion				
2. Adequate stabilization				
3. Undercutting				
4. Obstruction				
<b>D. Sediment Forebay</b>				
1. Sediment accumulation				
2. Stable overflow into basin				
<b>E. Upland Landscaping</b>				
<b>F. Aquatic Landscaping</b>				
*Only applies to Extended Detention Facilities				





## Detention, Retention, & Impoundment BMPs

### Inspection & Maintenance Checklist

<b>Inspector Name:</b>			<b>Type of BMP:</b>	
<b>BMP ID #:</b>			<b>Date/Time:</b>	
Component	Yes	No	N/A	Comments
<b>I. Embankment</b>				
<b>A. Top</b>				
1. Visual settlement				
2. Misalignment				
3. Cracking				
<b>B. Upstream Slope</b>				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
<b>C. Downstream Slope</b>				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
<b>E. Drainage/seepage control</b>				
1. Internal drains flowing				
2. Seepage at toe				
<b>II. Emergency Spillway</b>				
1. Eroding or backcutting				
2. Obstruction				
3. Leaking				
4. Operational				





BMP ID #:			Date/Time:	
Component	Yes	No	N/A	Comments
<b>III. Principal Spillway Barrel</b>				
1. Seepage into pipe				
2. Debris present				
3. Displaced or offset joints				
<b>IV. Outlet Protection/Stilling Basin</b>				
1. Obstruction				
2. Adequate riprap				
3. Undercutting at the outlet				
4. Outlet channel scour				
<b>V. Internal Basin Area</b>				
<b>A. Low Flow Channel*</b>				
1. Erosion				
2. Adequate vegetation				
3. Obstruction				
<b>B. Basin Bottom &amp; Side Slopes</b>				
1. Erosion				
2. Adequate stabilization				
3. Sediment accumulation				
4. Floating debris				
5. High water marks				
6. Shoreline protection				
<b>C. Inflow Channels/Pipes</b>				
1. Erosion				
2. Adequate stabilization				
3. Undercutting				
4. Obstruction				
<b>D. Sediment Forebay</b>				
1. Sediment accumulation				
2. Stable overflow into basin				
<b>E. Upland Landscaping</b>				
<b>F. Aquatic Landscaping</b>				
*Only applies to Extended Detention Facilities				



BMP ID #:			Date/Time:	
Component	Yes	No	N/A	Comments

**Notes:**

**Certification:**  
 If no maintenance is required, certify the following:  
 "I certify that the inspection is complete and that no action is necessary at this time."  
 Signature of Inspector \_\_\_\_\_ Date \_\_\_\_\_  
 \_\_\_\_\_ *Reed B. White* \_\_\_\_\_

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:  
 "I certify that all recommended maintenance is complete and no additional action is necessary at this time."  
 Signature of Inspector \_\_\_\_\_ Date \_\_\_\_\_  
 \_\_\_\_\_ \_\_\_\_\_

Next inspection date: \_\_\_\_\_



## Detention, Retention, & Impoundment BMPs

### Inspection & Maintenance Checklist

<b>Inspector Name:</b>			<b>Type of BMP:</b>	
<b>BMP ID #:</b>			<b>Date/Time:</b>	
Component	Yes	No	N/A	Comments
<b>I. Embankment</b>				
<b>A. Top</b>				
1. Visual settlement				
2. Misalignment				
3. Cracking				
<b>B. Upstream Slope</b>				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
<b>C. Downstream Slope</b>				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
<b>E. Drainage/seepage control</b>				
1. Internal drains flowing				
2. Seepage at toe				
<b>II. Emergency Spillway</b>				
1. Eroding or backcutting				
2. Obstruction				
3. Leaking				
4. Operational				



BMP ID #:			Date/Time:	
Component	Yes	No	N/A	Comments
<b>III. Principal Spillway Barrel</b>				
1. Seepage into pipe				
2. Debris present				
3. Displaced or offset joints				
<b>IV. Outlet Protection/Stilling Basin</b>				
1. Obstruction				
2. Adequate riprap				
3. Undercutting at the outlet				
4. Outlet channel scour				
<b>V. Internal Basin Area</b>				
<b>A. Low Flow Channel*</b>				
1. Erosion				
2. Adequate vegetation				
3. Obstruction				
<b>B. Basin Bottom &amp; Side Slopes</b>				
1. Erosion				
2. Adequate stabilization				
3. Sediment accumulation				
4. Floating debris				
5. High water marks				
6. Shoreline protection				
<b>C. Inflow Channels/Pipes</b>				
1. Erosion				
2. Adequate stabilization				
3. Undercutting				
4. Obstruction				
<b>D. Sediment Forebay</b>				
1. Sediment accumulation				
2. Stable overflow into basin				
<b>E. Upland Landscaping</b>				
<b>F. Aquatic Landscaping</b>				
*Only applies to Extended Detention Facilities				










<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Signature of Inspector**

\_\_\_\_\_  
**Date**

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\_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_


















BMP ID #:	Date/Time:
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Signature of Inspector

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Signature of Inspector

Date

Next inspection date: \_\_\_\_\_






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\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_








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**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_






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\_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_








<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Notes:**

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**Date**

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---

**Signature of Inspector**

**Date**

Next inspection date: \_\_\_\_\_






<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Notes:**

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**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_








<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Signature of Inspector**

**Date**

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**Signature of Inspector**

**Date**

Next inspection date: \_\_\_\_\_






<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Date**

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\_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_



**Filterra BMPs**  
**Inspection & Maintenance Checklist**

<b>Inspector Name:</b>		<b>Type:</b>		<b>Size:</b>	
<b>BMP ID #:</b>		<b>Date/Time:</b>			
<b>Component</b>	<b>(Y/N)</b>	<b>Comments</b>			
<b>Initial Observations</b>					
Standing Water?					
Damage to Box Structure?					
Damage to Grate?					
Is Bypass Clear?					
<b>Waste</b>					
Silt/Clay?					
Cups/Bags/Trash?					
Leaves?					
Other?					
<b>Erosion Control</b>					
Netting in Need of Replacement?					
Stones in Need of Replacement?					
<b>Mulch</b>					
Depth from Top of Slab to Surface of Mulch	<b>Inlet Filterra</b>	<b>Roof Filterra</b>	<b>Comments</b>		
Measured (in.):					
Allowed range (in.):	16" - 18"	23" - 25"			
<b>Notes:</b> If measured depth exceeds the allowed range, add mulch until the allowed range is achieved. If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media. Do not overfill unit with mulch; for inlet units, mulch should not exceed bottom of inlet throat, and for roof units, mulch should not impede bypass piping or splash blocks.					
Amount of Mulch to be Added or Replaced:					
Type of Mulch to be Added or Replaced:					
Date Mulch Added or Replaced:					
<b>Plantings</b>					
<b>Note:</b> Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.					
Plant Information	<b>#1</b>	<b>#2</b>		<b>#1</b>	<b>#2</b>
Height Above Grate (ft.):			Health of plant(s)	Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):			Damage to plant(s)?		
Width at Widest Point (ft.):			Plant(s) replaced?		






<b>BMP ID #:</b>	<b>Date/Time:</b>
------------------	-------------------

**Notes:**

**Certification:**

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"I certify that the inspection is complete and that no action is necessary at this time."

  
 \_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

If maintenance is required, provide a time frame for maintenance completion: \_\_\_\_\_  
 Upon maintenance completion, re-inspect and certify the following:

"I certify that all recommended maintenance is complete and no additional action is necessary at this time."

\_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_



**Filtterra BMPs**  
**Inspection & Maintenance Checklist**

<b>Inspector Name:</b>		<b>Type:</b>		<b>Size:</b>	
<b>BMP ID #:</b>		<b>Date/Time:</b>			
<b>Component</b>	<b>(Y/N)</b>	<b>Comments</b>			
<b>Initial Observations</b>					
Standing Water?					
Damage to Box Structure?					
Damage to Grate?					
Is Bypass Clear?					
<b>Waste</b>					
Silt/Clay?					
Cups/Bags/Trash?					
Leaves?					
Other?					
<b>Erosion Control</b>					
Netting in Need of Replacement?					
Stones in Need of Replacement?					
<b>Mulch</b>					
Depth from Top of Slab to Surface of Mulch	<b>Inlet Filtterra</b>	<b>Roof Filtterra</b>	<b>Comments</b>		
Measured (in.):					
Allowed range (in.):	16" - 18"	23" - 25"			
<p>Notes: If measured depth exceeds the allowed range, add mulch until the allowed range is achieved.          If there is evidence of ponding water, remove and replace all mulch. Remove any accumulated silt that may also be clogging the filter media.          Do not overfill unit with mulch;                  for inlet units, mulch should not exceed bottom of inlet throat, and                  for roof units, mulch should not impede bypass piping or splash blocks.</p>					
Amount of Mulch to be Added or Replaced:					
Type of Mulch to be Added or Replaced:					
Date Mulch Added or Replaced:					
<b>Plantings</b>					
Note: Column #1 is the plant to the left when facing the throat of the inlet and column #2 is the plant to the right when facing the throat of the inlet.					
Plant Information	#1	#2		#1	#2
Height Above Grate (ft.):			Health of plant(s)	Alive / Dead	Alive / Dead
Stem Diameter/Caliper (in.):			Damage to plant(s)?		
Width at Widest Point (ft.):			Plant(s) replaced?		




<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_








<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Signature of Inspector**

\_\_\_\_\_  
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Next inspection date: \_\_\_\_\_






<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Signature of Inspector**

**Date**

Next inspection date: \_\_\_\_\_




























<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_






<b>BMP ID #:</b>	<b>Date/Time:</b>
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**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_








<b>BMP ID #:</b>	<b>Date/Time:</b>
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\_\_\_\_\_  
**Signature of Inspector**

\_\_\_\_\_  
**Date**

Next inspection date: \_\_\_\_\_





# Basin\_Inspections

Submitted by: Todd.Shank@VDOT.Virginia.gov\_VDOT

Submitted time: Feb 22, 2022, 8:08:33 AM

rel\_globalid

**37907d3a-0553-46b5-9014-e0905a49cd15**

**SWMID**

**20189**

**District**

**Richmond**

**General BMP**

**Basin**

**Specific BMP**

**Dry Detention Basin**

**Inspector Name**

**Todd.Shank@VDOT.Virginia.gov\_VDOT**

**Inspection Type**

**Annual Inspection**

**Inspection Date**

**Feb 22, 2022**

**Next inspection DATE**

**Feb 22, 2023**



## Accessibility

### General Access

**BMP is sufficiently accessible**

**Yes**

### Gates and Locks

**Gate is acceptably operable**

**Yes**

### Fences

**Fence in acceptable condition**

**No**

Vegetation removal and/or minor adjustments necessary

**Yes**

Fence in disrepair or portions of fence missing

**Yes**

Picture 1



Picture 2



Signs

**BMP ID and/or Instructional signs stipulated on plans are present and in good condition; posts are vertical and stable**

**Yes**

Inflow Area/ Inlet (Channel(s))

Erosion, Sediment, Trash and Debris

**The BMP surface inflow area is free of erosion sediment trash or debris**

**Yes**

Impoundment- Treatment Area

Trash and Debris

**BMP impoundment (water storage/treatment)bottom area and shoreline free of trash or debris**

**No**

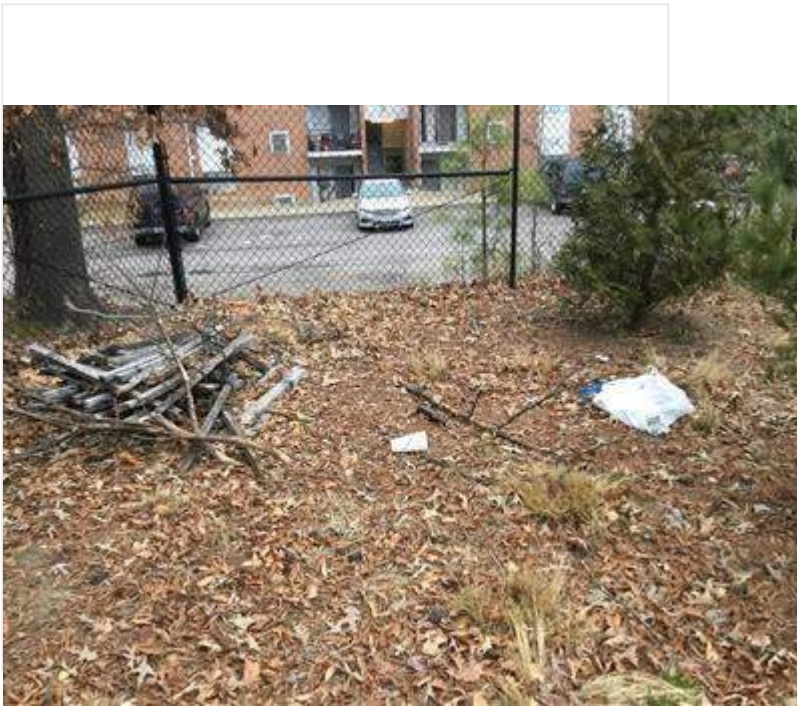
Minor (up to 0.25 CY) trash or debris observed in BMP bottom or on shoreline that is not blocking or disrupting flow

**Yes**

Picture 1



Picture 2



Erosion

The non-pool area of the BMP bottom excavated side slopes and shoreline free of erosion

Yes

Sediment Accumulation

The non-pool area of the BMP bottom Dry Detention Basin pilot channel excavated side slopes and shoreline are free of sediment accumulation

Yes

Control Structure (Principal Spillway/ Riser Pipe)

Vegetation

The area within 25' of the Control Structure is free of woody or excessive vegetation

Yes

Control Structure Access



**Control Structure manhole ladder/steps, cover and/or access door appear to be present, secure, and operational without damage**

**Yes**

#### Sediment and Debris

**The Control Structure appears to be free of sediment or debris (inside and outside)**

**Yes**

#### Structual Issues

**The Control Structure appears to have no structural deficiencies or concerns**

**Yes**

#### Low-Flow Orifice

**Low-Flow Orifice is free of obstructions**

**No**

Sediment, debris, trash or other obstruction accumulated at low-flow orifice, but it is still accessible and operating correctly

**Yes**

**Low-flow orifice trash/debris rack is securely in place, undamaged and functional**

**No**

Original trash/debris rack not attached but present on site, or no trash rack observed where there appears to be a need

**Yes**

Picture 1



Picture 2



CSLO\_PIC2-20220222-080759.JPG

### Outlet Structure and Discharge Channel

#### Erosion, Sediment, Debris and Trash

**The outlet area is free of sediment, debris or trash**

**Yes**

The outlet area is free of woody or overgrown vegetation within 25' of the structure

**Yes**

Discharge structures (endwalls, headwalls, end sections, etc.) are free of issues that could impact or inhibit flow or stability

**Yes**

The area around the outlet is free of scour or erosion

**Yes**

Receiving Channel or Storm Sewer

The outlet receiving channel or outlet storm sewer pipe is free of detrimental impacts (erosion, blockages, signs of flooding, etc.)

**Yes**

Image



BASIN\_INSPECTIONS\_IMAGE-20220222-080344.JPG

Overall BMP Notes

**20189 - C**

**Action Items**

- 1. Accessibility/fence - Repair damaged fence ; Remove vegetation from fence line and top of fence.**
- 2. Impoundment - Remove litter and debris from area**
- 3. Control Structure - Restore flow to low flow orifice; Install missing trash rack**

Inspection Rating

**C**



# **SWM FACILITY MAINTENANCE DOCUMENTATION**



P.O. Box 1301  
Midlothian VA 23113  
(804) 302-5151,  
Info@exactstorm.com  
07/13/2022

CUSTOMER	SERVICE LOCATION
Virginia State University Jonathan Taylor PO Box 9414 Suite 25 Virginia State University VA 23806	VSU VSU 1 Hayden Drive Petersburg VA 23806

JOB DETAILS	<p>Scope of Work: VSU 2022 Routine Stormwater Maintenance Proposal Exact Stormwater SwaM micro certificate number: 705273</p> <ol style="list-style-type: none"> <li>1. Perform maintenance per the manufacturer guidelines in order to restore the design functionality of all filterra units below.</li> <li>2. This proposal includes maintenance for Roof Filterras (BMP #1-6, 17-21, 12 total), and Inlet Filterras (BMP #7-14, 41-44, 10 total).</li> </ol>
-------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

COMPLETION NOTES	<p>Completed maintenance of Roof Filterras (12 total) and Inlet Filterras (10 total). Removed trash and debris from facilities. Installed new mulch.</p>
------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------



PICTURES



BMP #1 surrounding photo



BMP#1- before maintenance



BMP #1- after maintenance



BMP #2- surrounding photo





BMP #2- before maintenance



BMP #2- after maintenance



BMP #3- surrounding photo

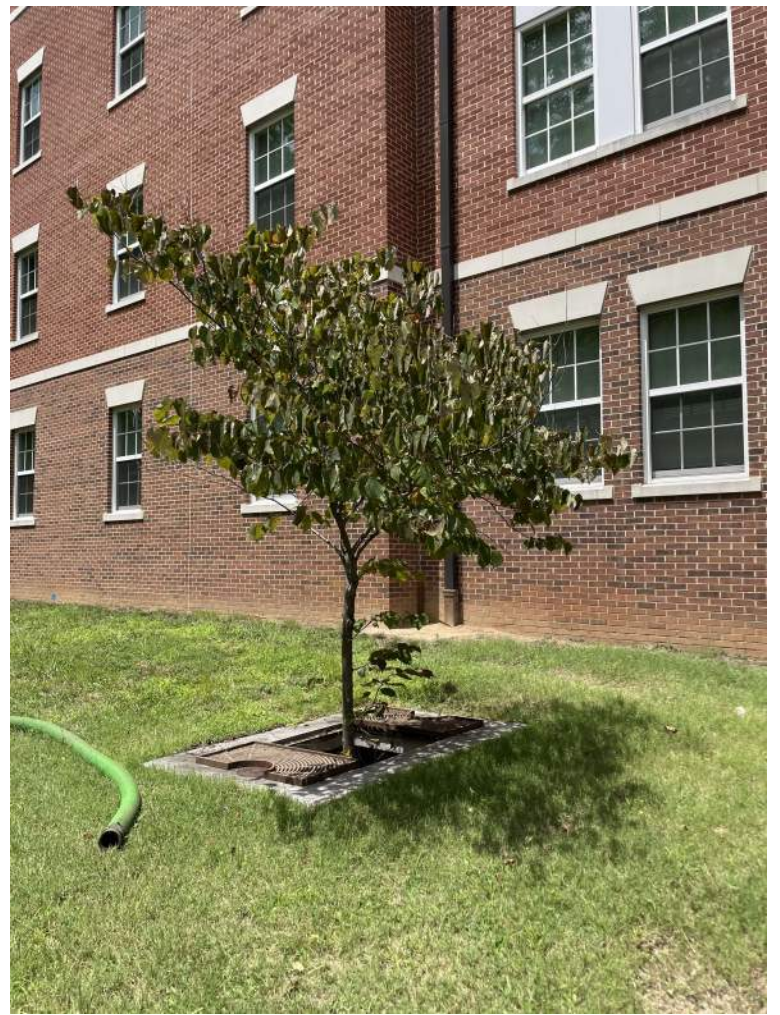


BMP #3- before maintenance





BMP #3- after maintenance



BMP #4- surrounding photo



BMP #4- before maintenance



BMP #4- after maintenance





BMP #5- surrounding photo



BMP #5- before maintenance



BMP #5- after maintenance



BMP #6- surrounding photo





BMP #6- before maintenance



BMP #6- after maintenance



BMP #7- surrounding photo



BMP #7- before maintenance





BMP #7- after maintenance



BMP #8- before maintenance



BMP #8- after maintenance



BMP #9- surrounding photo





BMP #9- before maintenance



BMP #9- after maintenance



BMP #9- after maintenance



BMP #10- surrounding photo





BMP #10- before maintenance



BMP #10- before maintenance



BMP #10- after maintenance



BMP #10- after maintenance





BMP #10- after maintenance



BMP #11- surrounding photo



BMP #11- before maintenance

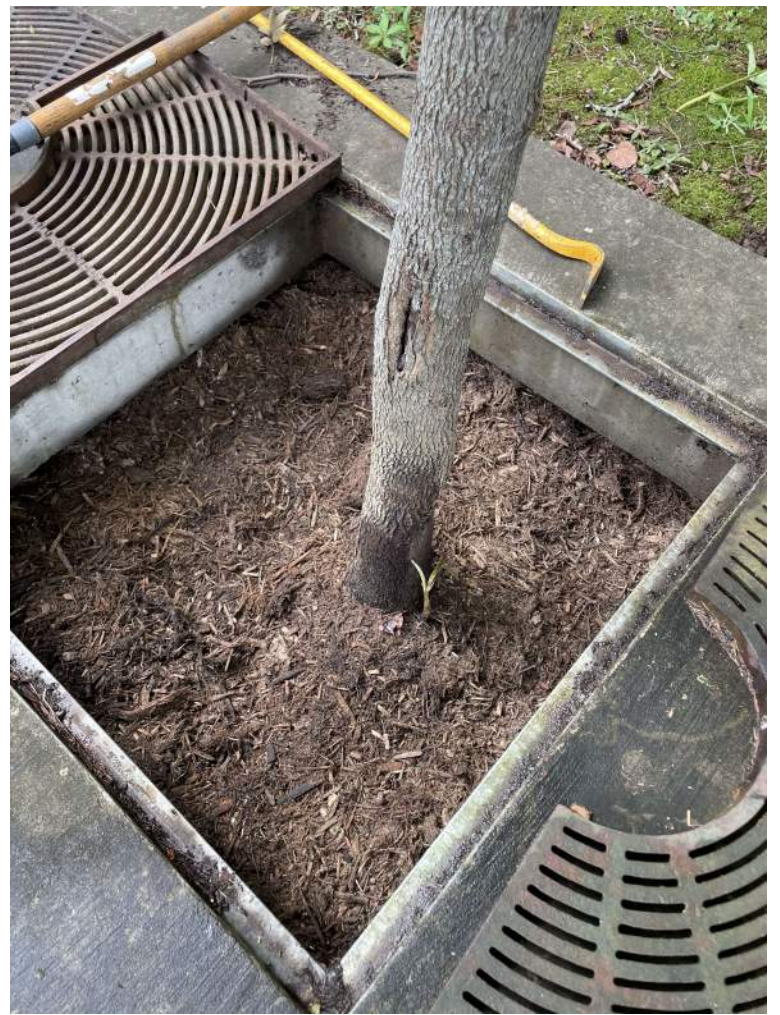


BMP #11- before maintenance





BMP #11- after maintenance



BMP #11- after maintenance



BMP #11- after maintenance



BMP #12- surrounding photo





BMP #12- before maintenance



BMP #12- after maintenance



BMP #12- after maintenance



BMP #13- surrounding photo





BMP #13- before maintenance



BMP #13- after maintenance



BMP #13- after maintenance



BMP #16- surrounding photo





BMP #16- before maintenance



BMP #16- after maintenance



BMP #17- surrounding photo



BMP #17- before maintenance





BMP #17- after maintenance



BMP #18- surrounding photo



BMP #18- before maintenance



BMP #18- after maintenance





BMP #18- after maintenance



BMP #19- surrounding photo



BMP #19- before maintenance

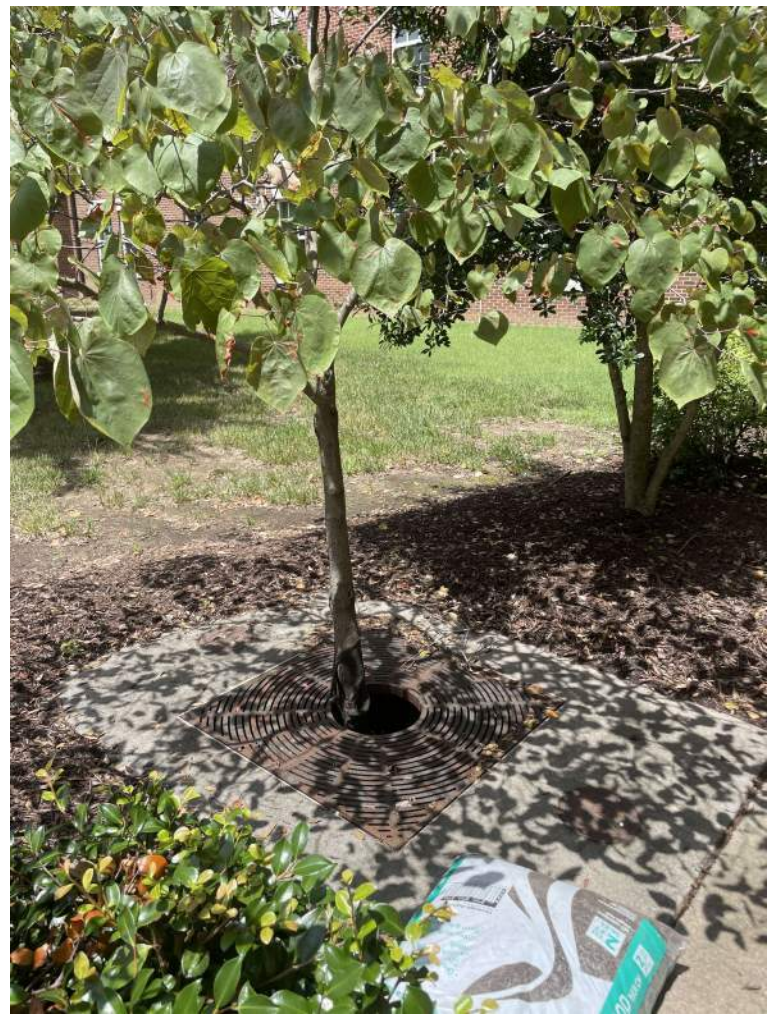


BMP #19- after maintenance





BMP #19- after maintenance



BMP #21- surrounding photo



BMP #21- before maintenance

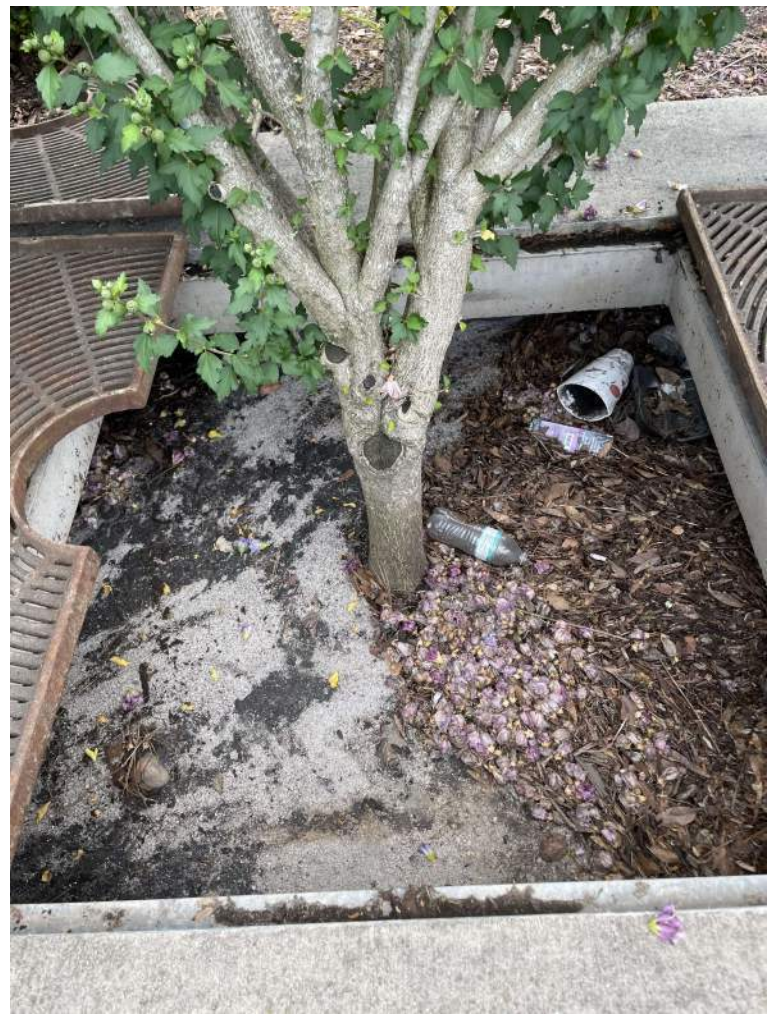


BMP #21- after maintenance

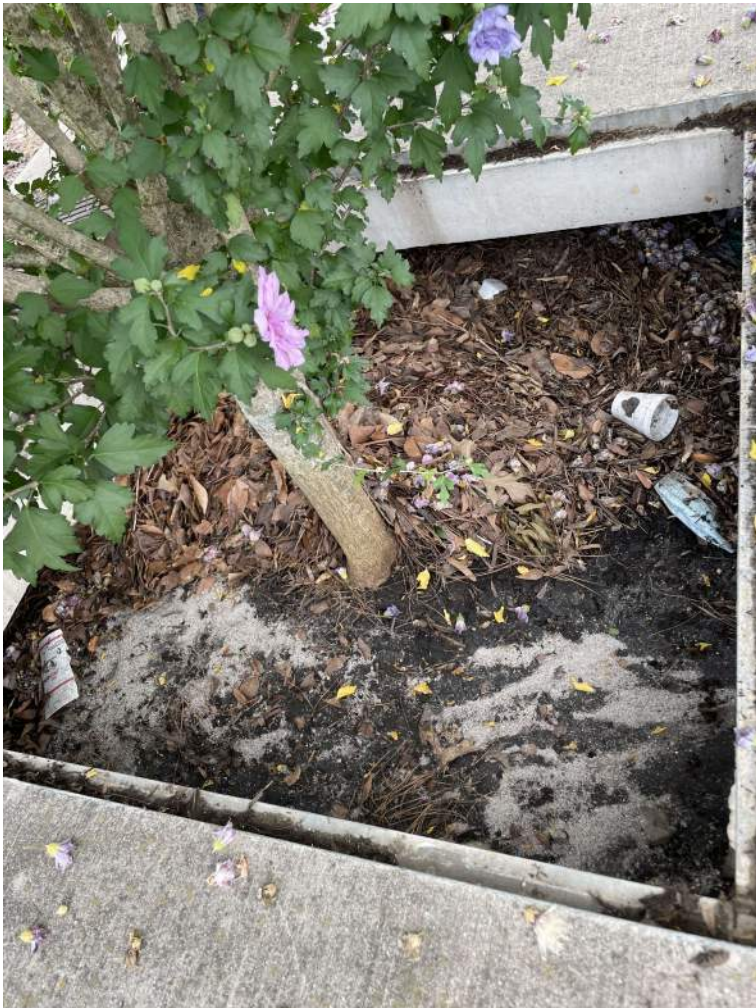




BMP #41- surrounding photo



BMP #41- before maintenance



BMP #41- before maintenance



BMP #41- After maintenance





BMP #42- surrounding photo



BMP #42- before maintenance



BMP #42- after maintenance



BMP #42- after maintenance





BMP #44- surrounding photo



BMP #44- before maintenance



BMP #44- after maintenance



**MCM6 POLLUTION PREVENTION & GOOD HOUSEKEEPING  
DOCUMENTATION**

**UPDATED NUTRIENT MANAGEMENT PLAN  
APPROVAL LETTER**

Matthew J. Strickler  
*Secretary of Natural and Historic  
Resources and Chief Resilience Officer*

Clyde E. Cristman  
*Director*



**COMMONWEALTH of VIRGINIA**  
DEPARTMENT OF CONSERVATION AND RECREATION

September 21, 2021

Rochelle Altholz  
*Deputy Director of  
Administration and Finance*

Nathan Burrell  
*Deputy Director of  
Government and Community Relations*

Darryl M. Glover  
*Deputy Director of  
Dam Safety & Floodplain  
Management and Soil & Water  
Conservation*

Thomas L. Smith  
*Deputy Director of  
Operations*

Gilbert Hanzlik  
Virginia State University  
2916 Mysters Macklin Street  
VSU VA 23806

Your nutrient management plan (NMP) dated 9/1/2021 located in City of Colonial Heights and Chesterfield County has been approved by the Virginia Department of Conservation and Recreation (DCR). The approved plan is for 92.66 acres. Only nutrient recommendations for applications to be made after the date of this letter are approved by this letter. Your NMP was written by a nutrient management planner certified by DCR.

This site has not been inspected by DCR and this approval is contingent upon site conditions being as stated in the NMP. Any revisions to this plan must be approved by DCR. Any change in personnel resulting in a change to the plan manager should be reported to the Certified Nutrient Management Planner who will then make DCR aware. Please note that this letter should be kept with the NMP and supporting documentation including nutrient application records. This plan expires on 9/1/2024. Please feel free to contact me with any questions or concerns regarding this approval.

Best regards,

A handwritten signature in cursive script that reads "Anita Tuttle".

Anita Tuttle  
Urban Nutrient Management Coordinator  
Division of Soil and Water Conservation  
600 East Main Street, 24<sup>th</sup> Floor  
Richmond VA 23219  
(804) 513-5958



# **SPCC TRAINING DOCUMENTATION**

## Hailey Fry

---

**From:** Jonathan A. Taylor <jataylor@vsu.edu>  
**Sent:** Tuesday, June 28, 2022 2:36 PM  
**To:** Sheila Reeves; Aislinn Creel  
**Cc:** Jane S. Harris  
**Subject:** FW: MS4 task summary

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sheila and Aislinn

The list of attendees or the training is provided below:

Thanks

Jonathan

---

**From:** David Weddle <dweddle@vsu.edu>  
**Sent:** Monday, June 27, 2022 10:46 AM  
**To:** Jane S. Harris <jsharris@vsu.edu>; Jonathan A. Taylor <jataylor@vsu.edu>; Juan Martir <Juan.Martir@abm.com>  
**Cc:** Gilbert Hanzlik <ghanzlik@vsu.edu>  
**Subject:** Re: MS4 task summary

Steve Price  
Chris Sabre  
Mark Adams  
Glenn Nesgoda  
Melvin Trapp  
Larry Crowder  
Kenneth Roberts

It was virtual.

Sent from my T-Mobile 5G Device  
Get [Outlook for Android](#)

---

**From:** Jane S. Harris <[jsharris@vsu.edu](mailto:jsharris@vsu.edu)>  
**Sent:** Friday, June 24, 2022, 4:32 PM  
**To:** David Weddle <[dweddle@vsu.edu](mailto:dweddle@vsu.edu)>; Jonathan A. Taylor <[jataylor@vsu.edu](mailto:jataylor@vsu.edu)>; Juan Martir <[Juan.Martir@abm.com](mailto:Juan.Martir@abm.com)>  
**Cc:** Gilbert Hanzlik <[ghanzlik@vsu.edu](mailto:ghanzlik@vsu.edu)>  
**Subject:** RE: MS4 task summary

David,  
Did you do your training in person or virtually? Do you know who attended the training?  
Jane

---

**From:** David Weddle <[dweddle@vsu.edu](mailto:dweddle@vsu.edu)>  
**Sent:** Wednesday, June 15, 2022 10:29 AM  
**To:** Jonathan A. Taylor <[jataylor@vsu.edu](mailto:jataylor@vsu.edu)>; Juan Martir <[Juan.Martir@abm.com](mailto:Juan.Martir@abm.com)>  
**Cc:** Jane S. Harris <[jsharris@vsu.edu](mailto:jsharris@vsu.edu)>; Gilbert Hanzlik <[ghanzlik@vsu.edu](mailto:ghanzlik@vsu.edu)>  
**Subject:** RE: MS4 task summary

Jonathan,

A copy of VSU's SPCC training is attached.

David Weddle  
Virginia State University  
Environmental Compliance Officer  
Physical Plant Building  
2916 Myster Macklin Street  
PO Box 9414  
Virginia State University, VA 23806  
804-524-5469 office  
804-683-5322 cell  
[dweddle@vsu.edu](mailto:dweddle@vsu.edu)





### 2021 VSU SPCC Training.mp4

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