



**Municipal Separate Storm Sewer System
Program Plan
for the
November 1st, 2018 – October 31st, 2023 Permit Term**

General Permit No. VAR040107

Prepared for:

J. Sargeant Reynolds Community College - Parham Road Campus

Facilities Management & Planning

1651 E. Parham Road

Richmond, VA 23228

Prepared by:

Timmons Group

1001 Boulders Parkway, Suite 300

Richmond, VA 23225

(804) 200-6500

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ACRONYMS AND ABBREVIATIONS

Bay – Chesapeake Bay

BMP – Best Management Practice

DEQ – Virginia Department of Environmental Quality

EPA – United States Environmental Protection Agency

ESC – Erosion and Sediment Control

GIS – Geospatial Information System

HHW – Household Hazardous Wastes

HUC – Hydrologic Unit Code

IDDE – Illicit Discharge Detection and Elimination

RCC – Reynolds Community College

PDO – Professional Development Opportunity

POC – Pollutant of Concern

MCM – Minimum Control Measure

MS4 – Municipal Separate Storm Sewer System

NMP – Nutrient Management Plan

SOP – Standard Operating Procedures

SW – Stormwater

SMF – Stormwater Management Facility

SWPPP – Stormwater Pollution Prevention Plan

VCCS – Virginia’s Community Colleges

VPDES – Virginia Pollution Discharge and Elimination System Permit

VSMP – Virginia Stormwater Management Program

DEFINITIONS

"**Chesapeake Bay Preservation Act land-disturbing activity**" means a land-disturbing activity including clearing, grading, or excavation that results in a land disturbance equal to or greater than 2,500 square feet and less than one acre in all areas of jurisdictions designated as subject to the Chesapeake Bay Preservation Area Designation and Management Regulations (9VAC25-830) adopted pursuant to the Chesapeake Bay Preservation Act.

"**Chesapeake Bay Watershed**" means all land areas draining to the following Virginia river basins: Potomac River Basin, James River Basin, Rappahannock River Basin, Chesapeake Bay and its small coastal basins, and York River Basin.

"**Construction activity**" means any clearing, grading or excavation associated with large construction activity or associated with small construction activity.

"**Date brought online**" means the date when RCC determines that a new stormwater management facility is properly functioning.

"**Discharge**," when used without qualification, means the discharge of a pollutant.

"**Drainage area**" means a land area, water area, or both from which runoff flows to a common point.

"**High-priority facilities**" means facilities owned or operated by NOVA that actively engage in one or more of the following activities: (i) composting, (ii) equipment storage and maintenance, (iii) materials storage, (iv) pesticide storage, (v) storage for public works, (vi) recycling, (vii) salt storage, (viii) solid waste handling and transfer, and (ix) vehicle storage and maintenance.

"**Hydrologic Unit Code**" means a watershed unit established in the most recent version of Virginia's 6th Order National Watershed Boundary Dataset.

"**Illicit discharge**" means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater, except discharges resulting from firefighting activities (discharges or flows from fire-fighting activities need only be addressed where they are identified as significant sources of pollutants to surface waters.), water line flushing, landscape irrigation, diverted stream flows, rising groundwaters, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, street wash water, noncommercial fundraising car washes if the washing uses only biodegradable, phosphate-free, water-based cleaners; or other activities generating discharges identified by the department as not requiring VPDES authorization.

"**Impervious cover**" means a surface composed of material that significantly impedes or prevents natural infiltration of water.

"Land disturbance" or **"land-disturbing activity"** means a manmade change to the land surface that potentially changes its runoff characteristics including clearing, grading, or excavation, except that the term shall not include the following potential activities:

- Land-disturbing activities that disturb less than 2,500 square feet in all areas of the jurisdictions designated as subject to the Chesapeake Bay Preservation Act or activities that are part of a larger common plan of development or sale that is one acre or greater of disturbance.
- Routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original construction of the project. The paving of an existing road with a compacted or impervious surface and reestablishment of existing associated ditches and shoulders shall be deemed routine maintenance.
- Land-disturbing activities in response to a public emergency where the related work requires immediate authorization to avoid imminent endangerment to human health or the environment. In such situations, DEQ shall be advised of the disturbance within seven days of commencing the land-disturbing activity, and compliance with the administrative requirements within 30 days of commencing the land-disturbing activity.

"Municipal separate storm sewer system" means a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains.

"MS4 Program Plan" means the completed registration statement and all approved additions, changes and modifications detailing the comprehensive program implemented by the operator under this state permit to reduce the pollutants in the stormwater discharged from its municipal separate storm sewer system (MS4) that has been submitted and accepted by DEQ.

"MS4 regulated service area" or **"service area"** means for Phase II permittees, the drainage area served by RCC's MS4 that is located within an urbanized area as determined by the 2010 decennial census performed by the Bureau of the Census. MS4 regulated service area may also be referred to as "served by the MS4" as it pertains to the tables in Part II A of this permit.

"Outfall" means, when used in reference to municipal separate storm sewers, a point source at the point where a MS4 discharges to surface waters and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other surface waters and are used to convey surface waters.

"Physically interconnected" means that one MS4 is connected to a second MS4 in such a manner that it allows for direct discharges to the second system.

"Pollutants of concern" means pollutants specifically identified in a U.S. Environmental Protection Agency approved total maximum daily load report as causing a water quality impairment.

“Public” means, for the purpose of this Program Plan, the students, faculty, and staff population attending or employed by Reynolds Community College.

"Point of discharge" means a location at which concentrated stormwater runoff is released.

"State waters" means all water, on the surface and under the ground, wholly or partially within or bordering the Commonwealth or within its jurisdiction, including wetlands.

"Stormwater" means precipitation that is discharged across the land surface or through conveyances to one or more waterways and that may include stormwater runoff, snow melt runoff, and surface runoff and drainage.

"Stormwater management plan" means a document(s) containing material for describing methods for complying with the requirements of the Virginia Stormwater Management Program.

"Total maximum daily load" means the sum of the individual wasteload allocations for point sources, load allocations for nonpoint sources, natural background loading and a margin of safety. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure. The TMDL process provides for point versus nonpoint source trade-offs.

"Wasteload allocation" or **"wasteload"** means the portion of receiving surface water's loading or assimilative capacity allocated to one of its existing or future point sources of pollution. WLAs are a type of water quality-based effluent limitation.

"Watershed" means a defined land area drained by a river or stream, karst system, or system of connecting rivers or streams such that all surface water within the area flows through a single outlet.

INTRODUCTION

MS4 Program Plan

J. Sargeant Reynolds Community College (RCC) owns and operates a municipal separate storm sewer system (MS4). The MS4 consists of built infrastructure such as ditches, curb and gutter, drop inlets, stormwater pipes, and stormwater management facilities to convey, remove pollutants from, and ultimately discharge stormwater runoff to state waters. The discharge of runoff from RCC's MS4 system is regulated and authorized under the Clean Water Act and in accordance with State Water Control Law and regulations.

RCC has been issued permit coverage to discharge stormwater by the Virginia Department of DEQ. This Program Plan has been developed in compliance with the VAR04 General Virginia Pollutant Discharge Elimination System (VPDES) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems. The permit term is November 1st, 2018 through October 31st, 2023.

Minimum Control Measures

This Program Plan is a management tool for the College to comply with the general permit's six minimum control measures (MCM) as described in **Part I.E** of the general permit. Sections MCM 1 through Section MCM 6 describe the College's plan to comply with the corresponding minimum control measures, as listed below:

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

Per Permit Requirement **Part I.C.1.c**, each MCM section of this plan includes:

1. Each specific requirement as listed in **Part I.E** for each MCM
2. A description of the strategies that RCC anticipates will be implemented to demonstrate compliance with the permit conditions in **Part I.E**

3. All standard operating procedures or policies necessary to implement each strategy
4. The measurable goal by which each strategy will be evaluated
5. The persons, positions, or departments responsible for implementing each strategy

Special Conditions for TMDLs

RCC is in the Chesapeake Bay watershed and is therefore subject to the *Special Conditions for the Chesapeake Bay TMDL*. This requires the development of a second phase TMDL Action Plan for submission to DEQ. This plan has been created, submitted to DEQ, and is in the process of being implemented. The plan can be found as indicated in **Table 1**.

RCC discharges to a stream that was listed as impaired and was assigned a Waste Load Allocation (WLA) under the EPA approved Total Maximum Daily Load (TMDL) report titled *E. coli TMDL Development for the Chickahominy River and Tributaries VA*. Therefore, RCC is subject to the *Special Conditions for the Chickahominy River and Tributaries Bacteria TMDL* that requires the development of a second phase Bacteria TMDL Action Plan for submission to DEQ. This Action Plan has been created, submitted to DEQ, and has been implemented. The plan can be found as indicated in **Table 1**.

Roles and Responsibilities

A detailed description of the roles and responsibilities is provided for each MCM in their corresponding sections of this plan. Generally, the Buildings and Grounds Manager or their delegate(s) is responsible for implementing most activities. The Buildings and Grounds Manager reports to the Director of Facilities Management and Planning. The Director of Facilities Management and Planning reports to the Vice President of Finance and Administration / Chief Financial Officer, who is the signatory authority in accordance with **Part III.K**. RCC works with the Virginia Community College System (VCCS) to implement portions of the Program Plan, Specifically MCM 4 concerning land disturbing activities. VCCS is also RCC's ESC and VSMP plan approving authority. **Appendix A** includes detailed organizational structures and contact information.

Program Modifications

The Program Plan will be evaluated for appropriateness and updated as necessary. The objective of this Program Plan is to provide the framework for RCC to continually evaluate the effectiveness of their stormwater management program in reducing nonpoint source pollution from MS4 regulated areas during the permit term. Significant revisions to the Program Plan shall be included in each applicable annual report as required by **Part I.D.2** of the general permit.

Documents Incorporated by Reference

Documents incorporated by reference into this Plan are presented in **Table 1**.

Table 1 – Documents Incorporated by Reference

<i>Document Title</i>	<i>Available Location</i>
<i>General Permit for Discharges of Stormwater from Municipal Separate Storm Sewer System (MS4)</i>	http://www.reynolds.edu/who_we_are/about/environmental_sustainability/ms4.aspx
<i>MS4 General Permit Coverage Letter</i>	
<i>Stormwater Map</i>	
<i>Pollution Prevention and Good Housekeeping Standards of Procedures</i>	
<i>Chesapeake Bay TMDL Action Plan</i>	
<i>Bacteria TMDL Action Plan</i>	
<i>VCCS Annual Standards and Specifications for Erosion and Sediment Control & Stormwater Management</i>	
<i>Nutrient Management Plans</i>	Available upon request
<i>Stormwater Management Facility Database</i>	
<i>Virginia Erosion and Sediment Control Handbook</i>	https://www.deq.virginia.gov/programs/water/stormwatermanagement/publications/eschandbook.aspx
<i>Henrico County Discharges to Storm Sewer Systems Regulations</i>	https://library.municode.com/va/henrico_county/code_s/code_of_ordinances?nodeId=CD_ORD_CH10EN_ART_VIIIIDIDEMO_S10-199DISTSESY
<i>Code of Virginia</i>	https://law.lis.virginia.gov/vacode

Annual Reporting

RCC will submit an annual report to DEQ no later than October 1 of each year. Each report shall cover the previous year from July 1st to June 30th. At a minimum each annual report shall include:

- Permittee name, system name, and permit number,

- The reporting period for which the annual report is being submitted,
- A signed certification as per **Part III.K**,
- Each annual reporting item as specified in an MCM in **Part I.E**, and
- An evaluation of the MS4 Program implementation, including a review of each MCM, to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary.

Each annual report will also include a status report on the implementation of the TMDL action plans in accordance with **Part II.A** of the permit and a summary of revisions, if any.

MCM 1 - PUBLIC EDUCATION AND OUTREACH

Permit Requirements

Per permit requirement **Part I.E.1.a**, RCC shall implement a Public Education and Outreach Program designed to:

1. Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns
2. Increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications
3. Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts

Per permit requirement **Part I.E.1.b**, in order to meet the above goals, RCC shall identify at least three high-priority stormwater issues to meet the which shall, as a whole:

1. Clearly identify the high-priority issues
2. Explain the importance of the high-priority stormwater issues
3. Include measures or actions the public can take to minimize the impact of the high-priority stormwater issues
4. Provide a contact and telephone number, website, or location where the public can find out more information

Per permit requirement **Part I.E.1.f**, this Program Plan shall include:

1. A list of at least three high-priority stormwater issues that will be communicated to the public
2. The rationale for selection of each high-priority stormwater issue and an explanation of how each education or outreach strategy is intended to have a positive impact on stormwater discharges
3. Identification of the public audience to receive each high-priority stormwater message
4. To or more strategies from Table 1 of **Part I.E.1.d** to be used to communicate each high-priority stormwater message
5. The anticipated time periods the messages will be communicated or made available to the public

Program Description

RCC has developed a public education and outreach program around three high-priority stormwater issues as presented in **Table 2** on the following page. This program is designed to increase the public's knowledge of how to reduce stormwater pollution. Since all the stormwater runoff from campus drains to impaired waters, all public education and outreach programs place priority on reducing impacts to impaired waters. The program also increases the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications. RCC has implemented a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts. Measurable goals by which this program plan section will be evaluated are also identified in **Table 2**.

Table 2 – Public Education and Outreach Activities

High-Priority Issue:	Pet Waste Contamination	Dumpster and Litter Management on Campus	Faculty and Staff Stormwater Education and Outreach
Rationale	<i>The campus discharges to streams that are impaired due to high levels of bacteria. The campus is often used by nearby residents to walk dogs.</i>	<i>Several large dumpsters and many small trash cans are maintained throughout the campus.</i>	<i>Overcome the challenge of communicating with faculty and staff who may not regularly seek out environmental information to provide stormwater education and encourage runoff pollution prevention.</i>
Public Audience	<i>Any pet owners who walk their pets on campus property. Generally, nearby residents.</i>	<i>Facilities Management & Planning Staff (i.e. custodial and building & grounds), campus bookstore managers, Café managers</i>	<i>RCC Faculty and Staff.</i>
Strategy	<i>Pet waste receptacles will be strategically placed in locations where dog walkers will have adequate access. Fact sheets will be delivered to the two residential complexes adjacent to the campus.</i>	<i>Traditional written & speaking engagement materials.</i>	<i>Media & traditional written materials.</i>
Anticipated Time Period Message will be Communicated	<i>Pet waste receptacles will be maintained year-round. Fact sheets will be delivered to all addresses in the two residential complexes adjacent to the campus on an annual basis.</i>	<i>Fact sheets will be reviewed and discussed with Facilities Management & Planning staff on an annual basis. Fact sheets will be emailed to Bookstore & Café Managers on an annual basis.</i>	<i>Stormwater fact sheets and/or educational materials will be delivered via email to all faculty and staff contained within the RCC email system on an annual basis.</i>
Relevant Message	<i>Pet waste generated by neighbors adjacent to campus has a significant impact on receiving waters downstream of campus. Pet owners need to be aware that pet waste is not fertilizer and that pet waste runoff negatively impacts the health of our streams.</i>	<i>Trash and litter have a significant impact on receiving waters downstream of campus. Ensuring that dumpsters are strategically located, that dumpster lids stay closed, and that trash makes it into dumpsters is the first line of defense in preventing campus trash and litter from reaching receiving waters.</i>	<i>Clean water is everyone’s business! There are simple things that everyone can do to prevent stormwater runoff pollution.</i>
Materials Used	<i>Pet waste receptacles and signage, postcard (see Appendix B).</i>	<i>Dumpster best practices fact sheet (see Appendix B) and/or general litter prevention education information.</i>	<i>Stormwater fact sheet (see Appendix B) and/or general stormwater education information.</i>
Measurable Goal	<i>Number of pet waste receptacles maintained.</i>	<i>Number of fact sheets distributed.</i>	<i>Number of fact sheets distributed.</i>

Responsible Parties

The responsible party for this MCM is Facilities Management & Planning. Refer to **Appendix A** for a detailed organization structure.

Annual Reporting Requirements

The following shall be included in each annual report:

1. A list of the high-priority stormwater issues addressed in the public education and outreach program.
2. A list of the strategies used to communicate each high-priority stormwater issue.

MCM 2 - PUBLIC INVOLVEMENT & PARTICIPATION

Permit Requirements

Per permit requirement **Part I.E.2.e**, the Program Plan shall include:

1. The webpage address with mechanisms for the public to report:
 - a. Potential illicit discharges, improper disposal, or spills to the MS4
 - b. Complaints regarding land disturbing activities
 - c. Other potential stormwater pollution concerns.
2. The webpage address that contains the methods for how the public can provide input on the permittee's MS4 program.
3. A description of the public involvement activities to be implemented by the permittee, the anticipated time period the activities will occur, and a metric for each activity to determine if the activity is beneficial to water quality.

Responsible Parties

The responsibly party for this MCM is Facilities Management & Planning and the RCC IT Department. Refer to **Appendix A** for a detailed organization structure.

Program Description

RCC maintains a stormwater webpage that a minimum, hosts the College's effective MS4 permit and coverage letter, the most current MS4 Program Plan, and the Annual Report for each year covered by the current permit. The webpage also lists a contact with whom the public can report potential illicit discharges, improper disposal, spills to the MS4, complaints regarding land disturbing activities, other potential stormwater pollution concerns, or input on the College's MS4 program. RCC will maintain electronic records of all input or complaints received on the MS4 Program Plan and will also maintain electronic records of all responses to input or complaints received.

The College has selected four activities from two or more of the categories listed in Table 2 of the permit. These activities have been planned to encourage public involvement with stormwater

and environmental activities. Measurable goals are identified by each metric. The activities are presented in **Table 3**, below.

Table 3 – Public Involvement and Participation

Public Involvement Activity	Description	Anticipated Time Periods	Metrics
Community Creek Clean-up (Restoration)	<i>Host a creek clean-up event that focuses on bringing the community together to remove waste from a creek on campus.</i>	<i>Annually each spring.</i>	<i>Number of participants.</i>
Public Education and Outreach Survey (Educational Event)	<i>Develop an online survey that will aim to gauge the stormwater awareness of all staff, faculty, and students on campus as well as inform participants of some key stormwater features on campus.</i>	<i>Annually each fall.</i>	<i>Number of survey responses.</i>
Education Signage (Educational Event)	<i>Install educational signage at a Stormwater Management Facility to educate the public on its function and purpose.</i>	<i>One sign per year.</i>	<i>Number of signs installed.</i>
General Stormwater Awareness (Educational Events)	<i>Distribute fact sheets to all staff, faculty, and staff on ways they can implement residential stormwater BMPs or improve water quality while at home.</i>	<i>Annually each spring</i>	<i>Number reached.</i>

Should RCC be unable to execute one of the four programs specified above, a substitute program will be identified and completed as an alternate.

Annual Reporting Requirements

Per permit requirement **Part I.E.2.e**, the following shall be included in the annual report:

1. A summary of any public input on the MS4 program received (including stormwater complaints) and how RCC responded
2. A webpage address to the RCC's MS4 program and stormwater website
3. A description of the public involvement activities implemented
4. A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality
5. The name of other MS4 permittees with whom the permittee collaborated in the public involvement opportunities

MCM 3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION

Permit Requirements

Per permit requirement **Part I.E.3.d**, the Program Plan shall include:

1. The MS4 map and information table required by **Part I.E.3.a**. The map and information table may be incorporated into the MS4 program plan by reference. The map is continually updated as new or more accurate information is obtained. If requested by the Department, the map shall be made available within 14 days of request.
2. Copies of written notifications of new physical interconnections given by the permittee to other MS4s.
3. The IDDE procedures described in **Part I.E.3.c**.

Responsible Parties

The responsible party for this MCM is Facilities Management & Planning. Refer to **Appendix A** for a detailed organizational structure.

Program Description

RCC has developed and maintains an MS4 map that includes, at a minimum, the storm sewer system, MS4 outfalls, a unique identifier for each mapped item, the name and location of receiving waters, the MS4 regulated service area, and stormwater management facilities operated by RCC. The College has also developed and maintains an information table for each outfall or point of discharge that includes a unique identifier, latitude/longitude, estimated regulated drainage areas, names of receiving waters, 6th order HUCs of receiving waters, whether or not receiving waters are impaired, the predominant land use for each outfall, and the name of any EPA approved TMDLs. The College's MS4 map is located as indicated in **Table 1** and a copy of the outfall database is included in **Appendix C**. The MS4 map will be updated no later than October 1 of each year.

RCC does not outfall to any adjacent MS4s. However, VDOT outfalls to RCC's MS4. A copy of that written notifications is included in **Appendix C**. Should any new connections be constructed or

discovered, RCC will provide notice to the affected MS4(s) and document that notice in **Appendix C**.

Prohibition of Illegal Discharges Policy

No person shall discharge or cause a discharge of materials containing contaminants into any JSRCC storm drain system or surface water. Contaminates include but are not limited to the following: Trash or debris; Construction materials; Petroleum products (oil, gasoline, grease, fuel oil, heating oil, etc.); Antifreeze or other vehicle products; Metals (particulate or dissolved); Flammable or explosive materials; Radioactive material; Batteries; Acids, alkalis, or bases; Paints, stains, resins, lacquers, or varnishes; Degreasers and/or solvents; Drain cleaners; Pesticides, herbicides, or fertilizers; Steam cleaning wastes; Soaps, detergents, or ammonia; Swimming pool filter backwash; Chlorine, bromine, or other disinfectants; Heated water; Domestic animal waste; Sewage; Recreational vehicle waste; Animal carcasses; Food wastes; Bark or other fibrous materials; Lawn clippings, leaves, or branches; Silt, sediment, concrete, cement, or gravel; Dyes; Chemicals, including suspected metals, not normally found in uncontaminated water; Any other process-associated discharge; Any hazardous material or waste not listed above.

Public Reporting of Illicit Discharges

JSRCC has established an illicit discharge reporting hotline at 804-523-5224. This information is available on the College's Environmental Sustainability webpage and is included on all stormwater fact sheets and materials distributed to the public.

Detection Process

1. Facilities Management and Planning staff shall be trained on a biennial basis (once every two years) to identify illicit discharges during normal operations and maintenance activities around campus.
2. Facilities Management and Planning staff (or their agent) shall screen all stormwater outfalls on an annual basis (provided the number remains below 50 outfalls) for potential illicit discharges and identify potential sources of these discharges to the MS4. Screenings shall be conducted during daylight hours, in dry weather conditions, using the stormwater outfall inspection form.

3. Upon detection or public reporting of a suspected illicit discharge, the information on the illicit discharge investigation form shall be documented completely using the process below.

Investigation & Elimination Process

1. Staff from Facilities Management and Planning shall investigate the source, quantity, and cause of any suspected illicit discharge within 30 days of its discovery or public report.
2. Preventative measures shall be set in place to ensure that any remaining contaminant is contained and prevented from entering the storm sewer system as practical.
3. Suspected illicit discharges shall be prioritized in the following manner:
 - a. Investigations of illicit discharges suspected of being sanitary sewerage or of significantly contaminated material
 - b. Investigations of illicit discharges suspected of being less hazardous to human health
4. If an illicit discharge is intermittent and the sources cannot be identified, the College must document that a minimum of three investigations were performed and document each investigation in accordance with the procedures below.
5. Should the College not be able to seek compliance in a cooperative manner through verbal and/or written notice, the incident shall escalate to the appropriate jurisdiction for court proceedings, in accordance with the Civil and Criminal Penalties below.
6. Upon elimination of the discharge, any remaining contaminant shall be cleaned up or removed and disposed of properly.
7. Follow up screening activities shall be performed periodically until it can be confirmed that the illicit discharge was eliminated.
8. Upon confirmed elimination of the illicit discharge, normal screening activities shall be resumed.

Civil and Criminal Penalties

Should the College not be able to seek compliance in a suspected illicit discharge incident in a cooperative manner, it shall be subject to investigation by the JSRCC Department of Police. Upon detection of illegal discharge(s) on College property, the JSRCC Department of Police will be contacted to conduct an investigation and complete a written report. Individuals for whom it has been determined that a violation of the *Henrico County Stormwater Ordinance Section 10-199* has occurred, shall be subject to the penalties outlined *Section 10-197*.

Documentation Process

1. Scan all stormwater outfall investigation forms and all illicit discharge investigation forms to maintain an electronic file of records.
2. Maintain complete hard copies of all stormwater outfall investigation forms, illicit discharge investigation forms, and police reports within the MS4 Program binder for annual reporting and audit purposes.

The College will perform dry weather screening on all of its outfalls annually. Dry weather discharges will be investigated in accordance with the IDDE manual. Those detections suspected of being sanitary sewage or significantly contaminated discharges are to be investigated first. Enforcement actions and legal penalties shall be used for incidents of illicit discharge, when necessary, by RCC. Incidents of illicit discharges, as well as the outcome of investigations and any follow up investigations or actions will be tracked with RCC's tracking log. A copy of the most recent log is included in **Appendix C**.

The number of outfalls screened each year will be the measurable goal by which this program plan section will be evaluated.

Annual Reporting Requirements

Per permit requirement **Part I.E.3.c**, the following shall be included in the annual report:

1. A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year.
2. The total number of outfalls screened during the reporting period as part of the dry weather screening program.
3. A list of illicit discharges to the MS4 including spills reaching the MS4 with information as follows:
 - a. The source of illicit discharge.
 - b. The dates that the discharge was observed, reported, or both.
 - c. Whether the discharge was discovered by the permittee during dry weather screening, reported by the public, or other method (describe).
 - d. How the investigation was resolved.
 - e. A description of any follow-up activities.
 - f. The date the investigation was closed.

MCM 4 - CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Permit Requirements

Per permit requirement **Part I.E.4.c**, the Program Plan shall include:

1. The most recently approved standards and specifications or if incorporated by reference, the location where the standards and specifications can be viewed.
2. A copy of the most recent standards and specifications approval letter from the department.
3. A description of the legal authorities utilized to ensure compliance with **Part I.E.4.a** to control construction site stormwater runoff control such as ordinances, permits, orders, specific contract language, policies, and interjurisdictional agreements.
4. Written inspection procedures to ensure the erosion and sediment controls are properly implemented and all associated documents utilized during inspection including the inspection schedule.
5. Written procedures for requiring compliance through corrective action or enforcement action to the extent allowable under federal, state, or local law, regulation, ordinance, or other legal mechanisms.
6. The roles and responsibilities of each of the permittee's departments, divisions, or subdivisions in implementing the construction site stormwater runoff control requirements in **Part I.E.4**.

Responsible Parties

The responsible parties for this MCM will be Facilities Management & Planning (RCC) and Virginia Community College System (VCCS). Refer to **Appendix A** for a detailed organizational structure.

Program Description

VCCS has obtained Virginia Erosion and Sediment and Stormwater Management Control Program Authority through its *Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management (AS&S)* as submitted and approved for self-regulation by the Virginia Department of Environmental Quality (DEQ). RCC currently utilizes the AS&S to control construction site stormwater runoff consistent with the Program Plan requirements listed above.

The most recently approved AS&S shall apply to all regulated design, construction and maintenance activities undertaken by the college. Refer to **Appendix D** for a copy of the most

recent standards and specifications approval letter. The current AS&S is located as indicated in **Table 1**.

The approval of the AS&S will be the measurable goal by which this program plan section will be evaluated.

Annual Reporting Requirements

Per permit requirement **Part I.E.3.d**, the following shall be included in the annual report:

1. 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.
2. If one or more of the land disturbing projects were not conducted with the department approved standards and specifications, an explanation as to why the projects did not conform to the approved standards and specifications.
3. Total number of inspections conducted.
4. The total number and type of enforcement actions implemented and the type of enforcement actions.

MCM 5 - POST-CONSTRUCTION STORMWATER MANAGEMENT

Permit Requirements

Per permit requirement **Part I.E.5.h**, the Program Plan shall include:

1. The most recently approved standards and specifications or if incorporated by reference, the location where the standards and specifications can be viewed.
2. A copy of the most recent standards and specifications approval letter from the department.
3. A description of the legal authorities utilized to ensure compliance with **Part I.E.5.a** for post-construction stormwater runoff control such as ordinances, permits, orders, specific contract language, and interjurisdictional agreements.
4. Written inspection procedures and all associated documents utilized during inspection of stormwater management facilities owned or operated by the permittee.
5. The roles and responsibilities of each of RCC's departments, divisions, or subdivisions in implementing the post-construction stormwater runoff control program.
6. The stormwater management facility spreadsheet or database incorporated by reference and the location or webpage address where the spreadsheet or database can be reviewed.

Responsible Parties

The responsible parties for this MCM will be RCC Facilities Management & Planning and Virginia Community College System (VCCS). Refer to **Appendix A** for a detailed organizational structure.

Program Description

A description of the legal authorities utilized to ensure compliance with **Part I.E.5.a** for post-construction stormwater runoff control is provided in the *VCCS Virginia Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management*.

RCC provides post-construction inspections and maintenance of operator-owned post-construction stormwater management facilities in accordance with the Owner-Operated BMP Inspection & Maintenance Procedures as described in this section.

Inspection Process

1. Inspections shall be performed by Professional Engineers or otherwise qualified personnel.
2. The inspection findings shall be documented on the appropriate BMP checklist. The BMP checklists can be found in **Appendix E**.
3. Inspections shall be performed for each BMP at the frequency indicated in the Inspection Frequency Chart, found below:
4. BMPs may be inspected more often than the minimum frequency if deemed necessary. All BMPs shall be inspected after severe storm events.
5. Inspection records shall be kept on file until the BMP is no longer in use.

Table 4 – SMF Inspection Frequency

<i>BMP Type</i>	<i>Minimum Inspection Frequency</i>
<i>Filtterra</i>	<i>Biannually (Fall/Spring)</i>
<i>Retention/Detention Basin</i>	<i>Annually (Spring)</i>
<i>Jellyfish Filter</i>	<i>Annually (Spring)</i>

Maintenance Process

1. Non-proprietary BMP maintenance shall follow industry standards to return the BMP to its intended function based upon the design standard or other appropriate treatment as applicable.
2. Proprietary BMP maintenance activities shall be performed in accordance with the manufacturer recommendations by a certified maintenance provider or qualified personnel as appropriate.
3. Should any inspection reveal that maintenance is required, the following procedure shall be followed:
 - a. The required maintenance shall be performed by a certified or otherwise qualified maintenance provider.
 - b. The BMP shall be re-inspected to confirm that maintenance is complete using the appropriate checklist.

Documentation Process

1. Scan all complete inspection and maintenance records to maintain an electronic file of records.
2. Maintain complete hard copy inspection and maintenance records within the MS4 Program binder for annual reporting and audit purposes.

The following measures dictate how the responsible parties listed above will ensure post-construction stormwater management control measures are implemented.

1. Inspections will be conducted annually by Facilities Management & Planning or their representative.
2. Facilities Management & Planning will be responsible for maintaining operator-owned stormwater management facilities.
3. Minor maintenance will be performed by Facilities Management & Planning
4. Major maintenance or repairs will be performed by a certified contractor under the direction of Facilities Management & Planning. Facilities Management & Planning will be responsible for coordinating all necessary construction permits related to maintenance or repair of operator-owned stormwater facilities.
5. All BMP inspection reports and maintenance actions will be recorded and maintained by Facilities Management & Planning. The College will utilize an electronic database to track information for operator-owned stormwater management facilities.

The SMF facility tracking database is available as indicated in **Table 1**.

RCC will use the *DEQ Construction Stormwater Database* (<https://apps.deq.virginia.gov/swcgp>) to report each stormwater management facility installed after July 1, 2014 to address the control of post-construction runoff from land disturbing activities for which a *General VPDES Permit for Discharges of Stormwater for Construction Activities* was required.

No later than March 31 of each year, RCC will use the *DEQ BMP Warehouse* (<http://apps.deq.virginia.gov/BMP>) to report the stormwater management facilities implemented during each reporting year for which a *General VPDES permit for Discharges of Stormwater from Construction Activities* was not required.

The number of SWM facilities inspected each year will be the measurable goal by which this program plan section will be evaluated.

Annual Reporting Requirements

The following shall be included in the annual report:

1. Total number of inspections conducted on stormwater management facilities owned or operated by the permittee.

2. A description of the significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the permittee to ensure it continues to perform as designed. This does not include routine activities such as grass mowing or trash collection.
3. A confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database for those land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities in accordance with **Part I.E.5.f** or a statement that the permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities.
4. A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse in accordance with **Part I.E.5.g** and the date on which the information was submitted.

MCM 6 - POLLUTION PREVENTION AND GOOD HOUSEKEEPING

Permit Requirements

Per permit requirement **Part I.E.6.p**, the Program Plan shall include:

1. The written procedures for the operations and maintenance activities as required by **Part I.E.6.a**.
2. A list of all high-priority facilities owned or operated by the permittee required in accordance with **Part I.E.6.c**, and whether or not the facility has a high potential to discharge.
3. A list of lands for which turf and landscape nutrient management plans are required in accordance with **Part I.E.6.i and j**, including the following information:
 - a. The total acreage on which nutrients are applied.
 - b. The date of the most recently approved nutrient management plan for the property.
 - c. The location in which the individual turf and landscape nutrient management plan is located.
4. A summary of mechanisms the permittee uses to ensure contractors working on behalf of the permittees implement the necessary good housekeeping and pollution prevention procedures, and stormwater pollution plans as appropriate.
5. The written training plan as required in **Part I.E.6.m**.

Responsible Parties

The responsible parties for this MCM will be Facilities Management & Planning (RCC) and Henrico County. Refer to **Appendix A** for a detailed organizational structure.

Program Description

As of June 30, 2014, the College has established the following training schedule and program for appropriate College employees:

1. Facilities Management and Planning Staff (i.e. Building & Grounds and Custodial) will be trained in the applicable topics listed below during one of either the Fall or Spring Professional Development Opportunity (PDO) days on campus. Should the PDO day training be unavailable, the college may elect to use outside training programs, where appropriate.

2. The training program will include the following elements required by the permit that are applicable to the College's MS4 area:
 - a. The College will provide biennial training (once every two years) to applicable field personnel in the recognition and reporting of illicit discharges.
 - b. The College will provide biennial training (once every two years) to applicable employees in good housekeeping and pollution prevention practices that are to be employed during road, street, and parking lot maintenance.
 - c. The College will provide biennial training (once every two years) to applicable employees in good housekeeping and pollution prevention practices that are to be employed in and around maintenance, public works, and recreational facilities.
 - d. The College will ensure that employees and contractors who apply pesticides and herbicides are properly trained or certified in accordance with the Virginia Pesticide Control Act.
 - e. The appropriate emergency spill response employees will have training in emergency spill response.
3. The College will keep documentation on each training event including the training date, the number of employees attending the training, employee division, and the objective of the training for a period of 3 years after each training event.

RCC has developed and implements Pollution Prevention and Good Housekeeping Standard Operating Procedures (SOPs). These can be located as shown in **Table 1**. These SOPs have been designed to minimize or prevent illicit pollutant discharge from daily operation and maintenance activities such as: equipment maintenance, waste disposal, utility operations, bulk storage, and the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers.

As of June 30, 2014, the College has determined which municipal-like properties fall within the College's regulated MS4 boundary and identified which of those properties have a high-potential to discharge pollutants and may require Stormwater Pollution Prevention Plans (SWPPPs) and which may require nutrient management plans (NMPs), if any.

1. The Parham Road Campus has elected to incorporate the entire campus property as a singular municipal-facility that has a high-potential to discharge pollutants and has developed and implements a SWPPP.
2. The Parham Road Campus property includes two areas where nutrients may be applied to a continuous area greater than one acre. Plans have developed for these areas and their approval letters are included in **Appendix F**.

RCC currently ensure contractors working on their behalf comply with their Pollution Prevention and Good Housekeeping SOPs through the authority provided by the *VCCS Annual Standards and Specifications for ESC & SWM*.

RCC educates it's staff on the SOPs as part of the training program described in this section.

The number of staff trained each year will be the measurable goal by which this program plan component will be evaluated.

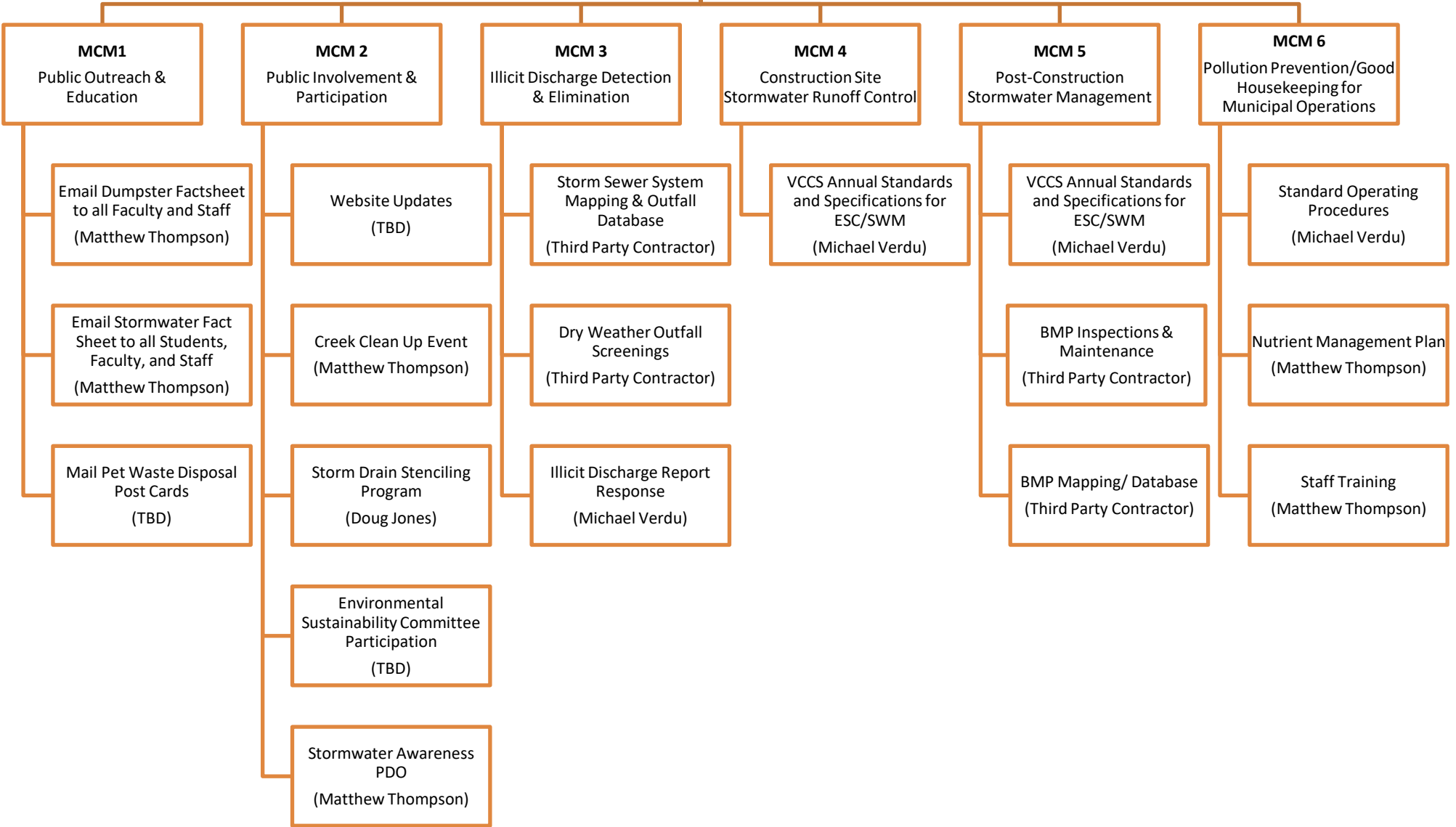
Annual Reporting Requirements

The following shall be included in the annual report:

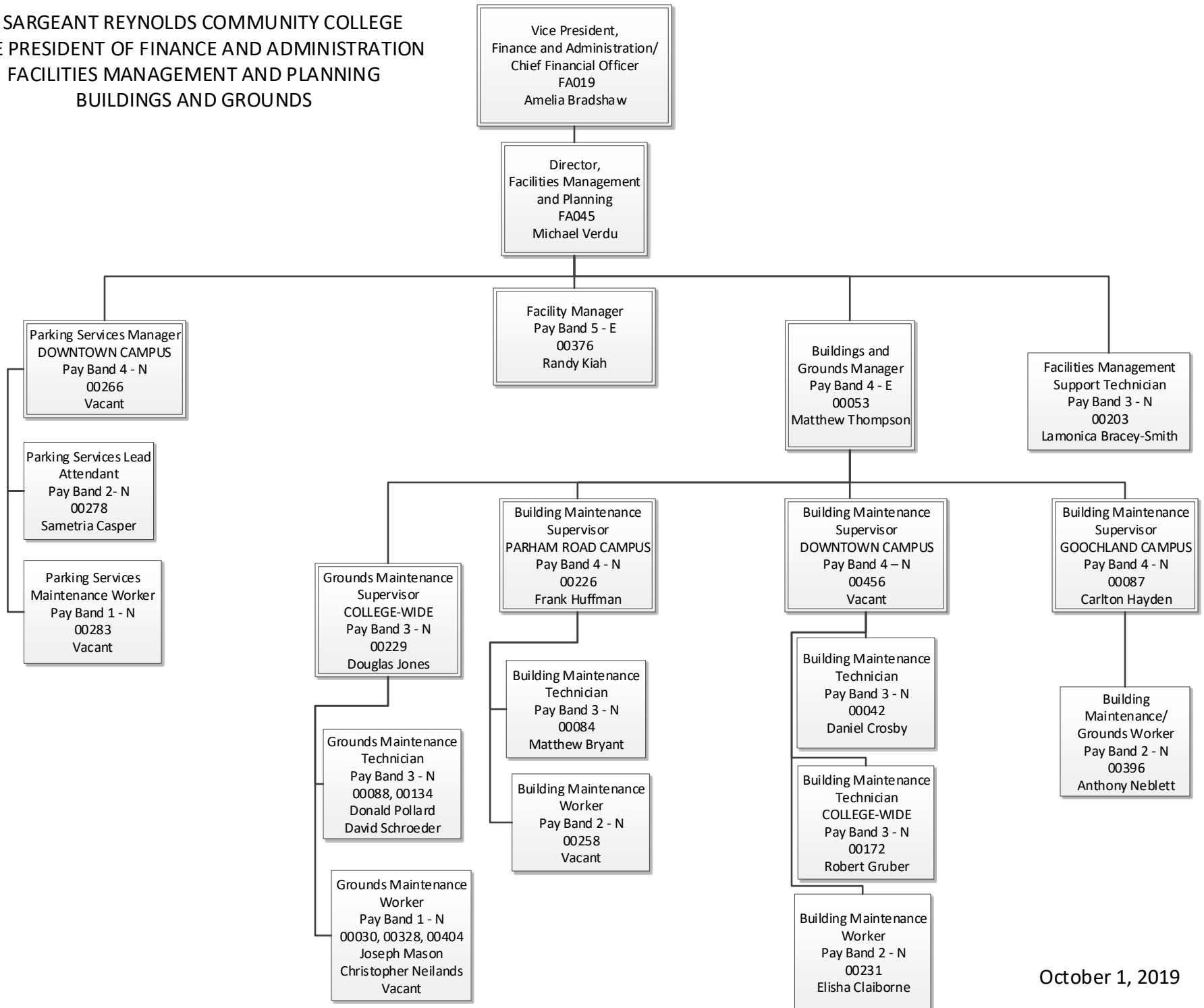
1. A summary of any operational procedures developed or modified in accordance with **Part I.E.6.a** during the reporting period.
2. A summary of any new SWPPPs developed in accordance with **Part I.E.6.c** during the reporting period.
3. A summary of any SWPPPs modified in accordance with **Part I.E.6.f** of the rationale of any high-priority facilities desilted in accordance with **Part I.E.6.h** during the reporting period.
4. A summary of any new turf and landscape nutrient management plans developed that includes:
 - a. Location and the total acreage of each land area.
 - b. The date of the approved nutrient management plan.
5. A list of the training events conducted in accordance with **Part I.E.6.m**, including the following information:
 - a. The date of the training event.
 - b. The number of employees who attended the training event.
 - c. The objective of the training event.

Appendix A

Michael Verdu
Matthew Thompson
MS4 Program Administrators



J. SARGEANT REYNOLDS COMMUNITY COLLEGE
 VICE PRESIDENT OF FINANCE AND ADMINISTRATION
 FACILITIES MANAGEMENT AND PLANNING
 BUILDINGS AND GROUNDS



October 1, 2019

CONTACT INFORMATION

Facilities Management and Planning Department

Director

Michael Verdu

(804) 523-5790

mverdu@reynolds.edu

Buildings and Ground Manager

Matthew Thompson

(804) 523-5795

mthompson@reynolds.edu

Appendix B

Help Us Keep Reynolds Green.





Pet waste that is improperly disposed of can be picked up by storm water runoff and washed into storm drains or nearby water bodies, causing storm water pollution. Pet waste can also threaten the health of humans, fish and aquatic life.

Reynolds Community College is environmentally conscious and requires owners to pick up after their pets.



**Now you know the scoop.
Let's all pick up the poop!**



To report illegal dumping on a Reynolds campus, call (804)-523-5224.

www.reynolds.edu

Reynolds Community College is committed to making a positive impact on the environment by implementing responsible practices for the conservation of energy and natural resources and the reduction of waste on our campuses.

To find out more information regarding stormwater management on campus, visit:
https://www.reynolds.edu/who_we_are/about/environmental_sustainability/ms4.aspx



1651 E. Parham Road | Richmond, VA 23285

NON-PROFIT
ORGANIZATION
U.S. POSTAGE
PAID
RICHMOND, VA
PERMIT NO. 2142

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1500 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1500 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1500 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1500 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit E	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit F	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit G	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit H	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit I	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit J	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit K	Henrico	VA	23228
Resident	1502 Spring Tree Court	Unit L	Henrico	VA	23228
Resident	1504 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1504 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1504 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1504 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1506 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1506 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1506 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1506 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit E	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit F	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit G	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit H	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit I	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit J	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit K	Henrico	VA	23228
Resident	1508 Spring Tree Court	Unit L	Henrico	VA	23228
Resident	1510 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1510 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1510 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1510 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1501 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1501 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1501 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1501 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit A	Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1503 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit E	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit F	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit G	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit H	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit I	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit J	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit K	Henrico	VA	23228
Resident	1503 Spring Tree Court	Unit L	Henrico	VA	23228
Resident	1505 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1505 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1505 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1505 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit E	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit F	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit G	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit H	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit I	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit J	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit K	Henrico	VA	23228
Resident	1507 Spring Tree Court	Unit L	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit A	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit B	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit C	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit D	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit E	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit F	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit G	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit H	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit I	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit J	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit K	Henrico	VA	23228
Resident	1509 Spring Tree Court	Unit L	Henrico	VA	23228
Resident	1500 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1500 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1500 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1500 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit A	Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1502 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit E	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit F	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit G	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit H	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit I	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit J	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit K	Henrico	VA	23228
Resident	1502 Summit Oak Court	Unit L	Henrico	VA	23228
Resident	1504 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1504 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1504 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1504 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1506 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1506 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1506 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1506 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1508 Summit Oak Court	Unit A	Henrico	VA	23228
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Resident	1508 Summit Oak Court	Unit C	Henrico	VA	23228
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Resident	1508 Summit Oak Court	Unit E	Henrico	VA	23228
Resident	1508 Summit Oak Court	Unit F	Henrico	VA	23228
Resident	1508 Summit Oak Court	Unit G	Henrico	VA	23228
Resident	1508 Summit Oak Court	Unit H	Henrico	VA	23228
Resident	1508 Summit Oak Court	Unit I	Henrico	VA	23228
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Resident	1508 Summit Oak Court	Unit K	Henrico	VA	23228
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Resident	1510 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1510 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1501 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1501 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1501 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1501 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit E	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit F	Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1503 Summit Oak Court	Unit G	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit H	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit I	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit J	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit K	Henrico	VA	23228
Resident	1503 Summit Oak Court	Unit L	Henrico	VA	23228
Resident	1505 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1505 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1505 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1505 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1507 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1507 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1507 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1507 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit E	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit F	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit G	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit H	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit I	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit J	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit K	Henrico	VA	23228
Resident	1509 Summit Oak Court	Unit L	Henrico	VA	23228
Resident	1511 Summit Oak Court	Unit A	Henrico	VA	23228
Resident	1511 Summit Oak Court	Unit B	Henrico	VA	23228
Resident	1511 Summit Oak Court	Unit C	Henrico	VA	23228
Resident	1511 Summit Oak Court	Unit D	Henrico	VA	23228
Resident	1501 Forest Run Drive	Unit A	Henrico	VA	23228
Resident	1501 Forest Run Drive	Unit B	Henrico	VA	23228
Resident	1501 Forest Run Drive	Unit C	Henrico	VA	23228
Resident	1501 Forest Run Drive	Unit D	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit A	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit B	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit C	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit D	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit E	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit F	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit G	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit H	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit I	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit J	Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1503 Forest Run Drive	Unit K	Henrico	VA	23228
Resident	1503 Forest Run Drive	Unit L	Henrico	VA	23228
Resident	1505 Forest Run Drive	Unit A	Henrico	VA	23228
Resident	1505 Forest Run Drive	Unit B	Henrico	VA	23228
Resident	1505 Forest Run Drive	Unit C	Henrico	VA	23228
Resident	1505 Forest Run Drive	Unit D	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit A	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit B	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit C	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit D	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit E	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit F	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit G	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit H	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit I	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit J	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit K	Henrico	VA	23228
Resident	1507 Forest Run Drive	Unit L	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit A	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit B	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit C	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit D	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit E	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit F	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit G	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit H	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit I	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit J	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit K	Henrico	VA	23228
Resident	1509 Forest Run Drive	Unit L	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit A	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit B	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit C	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit D	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit E	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit F	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit G	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit H	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit I	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit J	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit K	Henrico	VA	23228
Resident	1511 Forest Run Drive	Unit L	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit A	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit B	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit C	Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1513 Forest Run Drive	Unit D	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit E	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit F	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit G	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit H	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit I	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit J	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit K	Henrico	VA	23228
Resident	1513 Forest Run Drive	Unit L	Henrico	VA	23228
Resident	1500 Skirmish Run Drive		Henrico	VA	23228
Resident	1502 Skirmish Run Drive		Henrico	VA	23228
Resident	1504 Skirmish Run Drive		Henrico	VA	23228
Resident	1506 Skirmish Run Drive		Henrico	VA	23228
Resident	1508 Skirmish Run Drive		Henrico	VA	23228
Resident	1510 Skirmish Run Drive		Henrico	VA	23228
Resident	1512 Skirmish Run Drive		Henrico	VA	23228
Resident	1514 Skirmish Run Drive		Henrico	VA	23228
Resident	1516 Skirmish Run Drive		Henrico	VA	23228
Resident	1518 Skirmish Run Drive		Henrico	VA	23228
Resident	1520 Skirmish Run Drive		Henrico	VA	23228
Resident	1522 Skirmish Run Drive		Henrico	VA	23228
Resident	1524 Skirmish Run Drive		Henrico	VA	23228
Resident	1526 Skirmish Run Drive		Henrico	VA	23228
Resident	1528 Skirmish Run Drive		Henrico	VA	23228
Resident	1530 Skirmish Run Drive		Henrico	VA	23228
Resident	1532 Skirmish Run Drive		Henrico	VA	23228
Resident	1534 Skirmish Run Drive		Henrico	VA	23228
Resident	1536 Skirmish Run Drive		Henrico	VA	23228
Resident	1538 Skirmish Run Drive		Henrico	VA	23228
Resident	1540 Skirmish Run Drive		Henrico	VA	23228
Resident	1542 Skirmish Run Drive		Henrico	VA	23228
Resident	1544 Skirmish Run Drive		Henrico	VA	23228
Resident	1546 Skirmish Run Drive		Henrico	VA	23228
Resident	1548 Skirmish Run Drive		Henrico	VA	23228
Resident	1550 Skirmish Run Drive		Henrico	VA	23228
Resident	1501 Skirmish Run Drive		Henrico	VA	23228
Resident	1503 Skirmish Run Drive		Henrico	VA	23228
Resident	1505 Skirmish Run Drive		Henrico	VA	23228
Resident	1507 Skirmish Run Drive		Henrico	VA	23228
Resident	1509 Skirmish Run Drive		Henrico	VA	23228
Resident	1511 Skirmish Run Drive		Henrico	VA	23228
Resident	1513 Skirmish Run Drive		Henrico	VA	23228
Resident	1515 Skirmish Run Drive		Henrico	VA	23228
Resident	1517 Skirmish Run Drive		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1519 Skirmish Run Drive		Henrico	VA	23228
Resident	1521 Skirmish Run Drive		Henrico	VA	23228
Resident	1523 Skirmish Run Drive		Henrico	VA	23228
Resident	1525 Skirmish Run Drive		Henrico	VA	23228
Resident	1527 Skirmish Run Drive		Henrico	VA	23228
Resident	1529 Skirmish Run Drive		Henrico	VA	23228
Resident	1531 Skirmish Run Drive		Henrico	VA	23228
Resident	1533 Skirmish Run Drive		Henrico	VA	23228
Resident	1535 Skirmish Run Drive		Henrico	VA	23228
Resident	1537 Skirmish Run Drive		Henrico	VA	23228
Resident	1539 Skirmish Run Drive		Henrico	VA	23228
Resident	1541 Skirmish Run Drive		Henrico	VA	23228
Resident	1543 Skirmish Run Drive		Henrico	VA	23228
Resident	1545 Skirmish Run Drive		Henrico	VA	23228
Resident	1547 Skirmish Run Drive		Henrico	VA	23228
Resident	1549 Skirmish Run Drive		Henrico	VA	23228
Resident	1551 Skirmish Run Drive		Henrico	VA	23228
Resident	1553 Skirmish Run Drive		Henrico	VA	23228
Resident	1555 Skirmish Run Drive		Henrico	VA	23228
Resident	1557 Skirmish Run Drive		Henrico	VA	23228
Resident	1559 Skirmish Run Drive		Henrico	VA	23228
Resident	1561 Skirmish Run Drive		Henrico	VA	23228
Resident	1563 Skirmish Run Drive		Henrico	VA	23228
Resident	1565 Skirmish Run Drive		Henrico	VA	23228
Resident	1567 Skirmish Run Drive		Henrico	VA	23228
Resident	1569 Skirmish Run Drive		Henrico	VA	23228
Resident	1571 Skirmish Run Drive		Henrico	VA	23228
Resident	1573 Skirmish Run Drive		Henrico	VA	23228
Resident	1575 Skirmish Run Drive		Henrico	VA	23228
Resident	1577 Skirmish Run Drive		Henrico	VA	23228
Resident	1500 Skirmish Run Court		Henrico	VA	23228
Resident	1502 Skirmish Run Court		Henrico	VA	23228
Resident	1504 Skirmish Run Court		Henrico	VA	23228
Resident	1506 Skirmish Run Court		Henrico	VA	23228
Resident	1508 Skirmish Run Court		Henrico	VA	23228
Resident	1510 Skirmish Run Court		Henrico	VA	23228
Resident	1512 Skirmish Run Court		Henrico	VA	23228
Resident	1514 Skirmish Run Court		Henrico	VA	23228
Resident	1516 Skirmish Run Court		Henrico	VA	23228
Resident	1501 Skirmish Run Court		Henrico	VA	23228
Resident	1503 Skirmish Run Court		Henrico	VA	23228
Resident	1505 Skirmish Run Court		Henrico	VA	23228
Resident	1507 Skirmish Run Court		Henrico	VA	23228
Resident	1509 Skirmish Run Court		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1511 Skirmish Run Court		Henrico	VA	23228
Resident	1513 Skirmish Run Court		Henrico	VA	23228
Resident	1515 Skirmish Run Court		Henrico	VA	23228
Resident	1517 Skirmish Run Court		Henrico	VA	23228
Resident	1500 Professor Court		Henrico	VA	23228
Resident	1502 Professor Court		Henrico	VA	23228
Resident	1504 Professor Court		Henrico	VA	23228
Resident	1506 Professor Court		Henrico	VA	23228
Resident	1508 Professor Court		Henrico	VA	23228
Resident	1510 Professor Court		Henrico	VA	23228
Resident	1512 Professor Court		Henrico	VA	23228
Resident	1514 Professor Court		Henrico	VA	23228
Resident	1516 Professor Court		Henrico	VA	23228
Resident	1518 Professor Court		Henrico	VA	23228
Resident	1520 Professor Court		Henrico	VA	23228
Resident	1522 Professor Court		Henrico	VA	23228
Resident	1501 Yellow Tavern Court		Henrico	VA	23228
Resident	1503 Yellow Tavern Court		Henrico	VA	23228
Resident	1505 Yellow Tavern Court		Henrico	VA	23228
Resident	1507 Yellow Tavern Court		Henrico	VA	23228
Resident	1509 Yellow Tavern Court		Henrico	VA	23228
Resident	1511 Yellow Tavern Court		Henrico	VA	23228
Resident	1513 Yellow Tavern Court		Henrico	VA	23228
Resident	1515 Yellow Tavern Court		Henrico	VA	23228
Resident	1517 Yellow Tavern Court		Henrico	VA	23228
Resident	1519 Yellow Tavern Court		Henrico	VA	23228
Resident	1521 Yellow Tavern Court		Henrico	VA	23228
Resident	1523 Yellow Tavern Court		Henrico	VA	23228
Resident	1525 Yellow Tavern Court		Henrico	VA	23228
Resident	1527 Yellow Tavern Court		Henrico	VA	23228
Resident	1529 Yellow Tavern Court		Henrico	VA	23228
Resident	1531 Yellow Tavern Court		Henrico	VA	23228
Resident	1533 Yellow Tavern Court		Henrico	VA	23228
Resident	1535 Yellow Tavern Court		Henrico	VA	23228
Resident	1500 Honor Drive		Henrico	VA	23228
Resident	1502 Honor Drive		Henrico	VA	23228
Resident	1504 Honor Drive		Henrico	VA	23228
Resident	1506 Honor Drive		Henrico	VA	23228
Resident	1508 Honor Drive		Henrico	VA	23228
Resident	1510 Honor Drive		Henrico	VA	23228
Resident	1512 Honor Drive		Henrico	VA	23228
Resident	1514 Honor Drive		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1516 Honor Drive		Henrico	VA	23228
Resident	1518 Honor Drive		Henrico	VA	23228
Resident	1520 Honor Drive		Henrico	VA	23228
Resident	1522 Honor Drive		Henrico	VA	23228
Resident	1524 Honor Drive		Henrico	VA	23228
Resident	1526 Honor Drive		Henrico	VA	23228
Resident	1528 Honor Drive		Henrico	VA	23228
Resident	1530 Honor Drive		Henrico	VA	23228
Resident	1501 Honor Drive		Henrico	VA	23228
Resident	1503 Honor Drive		Henrico	VA	23228
Resident	1505 Honor Drive		Henrico	VA	23228
Resident	1507 Honor Drive		Henrico	VA	23228
Resident	1509 Honor Drive		Henrico	VA	23228
Resident	1511 Honor Drive		Henrico	VA	23228
Resident	1513 Honor Drive		Henrico	VA	23228
Resident	1515 Honor Drive		Henrico	VA	23228
Resident	1517 Honor Drive		Henrico	VA	23228
Resident	1519 Honor Drive		Henrico	VA	23228
Resident	1521 Honor Drive		Henrico	VA	23228
Resident	1523 Honor Drive		Henrico	VA	23228
Resident	1525 Honor Drive		Henrico	VA	23228
Resident	1527 Honor Drive		Henrico	VA	23228
Resident	1500 Front Royal Drive		Henrico	VA	23228
Resident	1502 Front Royal Drive		Henrico	VA	23228
Resident	1504 Front Royal Drive		Henrico	VA	23228
Resident	1506 Front Royal Drive		Henrico	VA	23228
Resident	1508 Front Royal Drive		Henrico	VA	23228
Resident	1510 Front Royal Drive		Henrico	VA	23228
Resident	1512 Front Royal Drive		Henrico	VA	23228
Resident	1514 Front Royal Drive		Henrico	VA	23228
Resident	1516 Front Royal Drive		Henrico	VA	23228
Resident	1518 Front Royal Drive		Henrico	VA	23228
Resident	1520 Front Royal Drive		Henrico	VA	23228
Resident	1522 Front Royal Drive		Henrico	VA	23228
Resident	1524 Front Royal Drive		Henrico	VA	23228
Resident	1526 Front Royal Drive		Henrico	VA	23228
Resident	1528 Front Royal Drive		Henrico	VA	23228
Resident	1530 Front Royal Drive		Henrico	VA	23228
Resident	1532 Front Royal Drive		Henrico	VA	23228
Resident	1534 Front Royal Drive		Henrico	VA	23228
Resident	1536 Front Royal Drive		Henrico	VA	23228
Resident	1538 Front Royal Drive		Henrico	VA	23228
Resident	1540 Front Royal Drive		Henrico	VA	23228
Resident	1501 Front Royal Drive		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1503 Front Royal Drive		Henrico	VA	23228
Resident	1505 Front Royal Drive		Henrico	VA	23228
Resident	1507 Front Royal Drive		Henrico	VA	23228
Resident	1509 Front Royal Drive		Henrico	VA	23228
Resident	1511 Front Royal Drive		Henrico	VA	23228
Resident	1513 Front Royal Drive		Henrico	VA	23228
Resident	1515 Front Royal Drive		Henrico	VA	23228
Resident	1517 Front Royal Drive		Henrico	VA	23228
Resident	1519 Front Royal Drive		Henrico	VA	23228
Resident	1521 Front Royal Drive		Henrico	VA	23228
Resident	1523 Front Royal Drive		Henrico	VA	23228
Resident	1525 Front Royal Drive		Henrico	VA	23228
Resident	1527 Front Royal Drive		Henrico	VA	23228
Resident	1529 Front Royal Drive		Henrico	VA	23228
Resident	1531 Front Royal Drive		Henrico	VA	23228
Resident	1533 Front Royal Drive		Henrico	VA	23228
Resident	1535 Front Royal Drive		Henrico	VA	23228
Resident	1537 Front Royal Drive		Henrico	VA	23228
Resident	1539 Front Royal Drive		Henrico	VA	23228
Resident	1541 Front Royal Drive		Henrico	VA	23228
Resident	1543 Front Royal Drive		Henrico	VA	23228
Resident	1545 Front Royal Drive		Henrico	VA	23228
Resident	1547 Front Royal Drive		Henrico	VA	23228
Resident	1549 Front Royal Drive		Henrico	VA	23228
Resident	1551 Front Royal Drive		Henrico	VA	23228
Resident	1553 Front Royal Drive		Henrico	VA	23228
Resident	1555 Front Royal Drive		Henrico	VA	23228
Resident	1557 Front Royal Drive		Henrico	VA	23228
Resident	1559 Front Royal Drive		Henrico	VA	23228
Resident	1561 Front Royal Drive		Henrico	VA	23228
Resident	1563 Front Royal Drive		Henrico	VA	23228
Resident	1565 Front Royal Drive		Henrico	VA	23228
Resident	1567 Front Royal Drive		Henrico	VA	23228
Resident	1569 Front Royal Drive		Henrico	VA	23228
Resident	1571 Front Royal Drive		Henrico	VA	23228
Resident	1573 Front Royal Drive		Henrico	VA	23228
Resident	1575 Front Royal Drive		Henrico	VA	23228
Resident	1577 Front Royal Drive		Henrico	VA	23228
Resident	1579 Front Royal Drive		Henrico	VA	23228
Resident	1500 Stony Force Drive		Henrico	VA	23228
Resident	1502 Stony Force Drive		Henrico	VA	23228
Resident	1504 Stony Force Drive		Henrico	VA	23228
Resident	1506 Stony Force Drive		Henrico	VA	23228
Resident	1508 Stony Force Drive		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1510 Stony Force Drive		Henrico	VA	23228
Resident	1512 Stony Force Drive		Henrico	VA	23228
Resident	1514 Stony Force Drive		Henrico	VA	23228
Resident	1516 Stony Force Drive		Henrico	VA	23228
Resident	1501 Stony Force Drive		Henrico	VA	23228
Resident	1503 Stony Force Drive		Henrico	VA	23228
Resident	1505 Stony Force Drive		Henrico	VA	23228
Resident	1507 Stony Force Drive		Henrico	VA	23228
Resident	1509 Stony Force Drive		Henrico	VA	23228
Resident	1511 Stony Force Drive		Henrico	VA	23228
Resident	1513 Stony Force Drive		Henrico	VA	23228
Resident	1515 Stony Force Drive		Henrico	VA	23228
Resident	1517 Stony Force Drive		Henrico	VA	23228
Resident	1519 Stony Force Drive		Henrico	VA	23228
Resident	1521 Stony Force Drive		Henrico	VA	23228
Resident	1500 Presidential Drive		Henrico	VA	23228
Resident	1502 Presidential Drive		Henrico	VA	23228
Resident	1504 Presidential Drive		Henrico	VA	23228
Resident	1506 Presidential Drive		Henrico	VA	23228
Resident	1508 Presidential Drive		Henrico	VA	23228
Resident	1510 Presidential Drive		Henrico	VA	23228
Resident	1512 Presidential Drive		Henrico	VA	23228
Resident	1514 Presidential Drive		Henrico	VA	23228
Resident	1516 Presidential Drive		Henrico	VA	23228
Resident	1518 Presidential Drive		Henrico	VA	23228
Resident	1520 Presidential Drive		Henrico	VA	23228
Resident	1522 Presidential Drive		Henrico	VA	23228
Resident	1524 Presidential Drive		Henrico	VA	23228
Resident	1526 Presidential Drive		Henrico	VA	23228
Resident	1528 Presidential Drive		Henrico	VA	23228
Resident	1501 Presidential Drive		Henrico	VA	23228
Resident	1503 Presidential Drive		Henrico	VA	23228
Resident	1505 Presidential Drive		Henrico	VA	23228
Resident	1507 Presidential Drive		Henrico	VA	23228
Resident	1509 Presidential Drive		Henrico	VA	23228
Resident	1511 Presidential Drive		Henrico	VA	23228
Resident	1513 Presidential Drive		Henrico	VA	23228
Resident	1515 Presidential Drive		Henrico	VA	23228
Resident	1517 Presidential Drive		Henrico	VA	23228
Resident	1519 Presidential Drive		Henrico	VA	23228
Resident	1521 Presidential Drive		Henrico	VA	23228
Resident	1523 Presidential Drive		Henrico	VA	23228
Resident	1525 Presidential Drive		Henrico	VA	23228
Resident	1527 Presidential Drive		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1529 Presidential Drive		Henrico	VA	23228
Resident	1531 Presidential Drive		Henrico	VA	23228
Resident	1533 Presidential Drive		Henrico	VA	23228
Resident	1535 Presidential Drive		Henrico	VA	23228
Resident	1537 Presidential Drive		Henrico	VA	23228
Resident	1539 Presidential Drive		Henrico	VA	23228
Resident	1541 Presidential Drive		Henrico	VA	23228
Resident	1543 Presidential Drive		Henrico	VA	23228
Resident	1545 Presidential Drive		Henrico	VA	23228
Resident	1547 Presidential Drive		Henrico	VA	23228
Resident	1549 Presidential Drive		Henrico	VA	23228
Resident	1551 Presidential Drive		Henrico	VA	23228
Resident	1553 Presidential Drive		Henrico	VA	23228
Resident	1555 Presidential Drive		Henrico	VA	23228
Resident	1557 Presidential Drive		Henrico	VA	23228
Resident	1559 Presidential Drive		Henrico	VA	23228
Resident	1561 Presidential Drive		Henrico	VA	23228
Resident	1563 Presidential Drive		Henrico	VA	23228
Resident	1565 Presidential Drive		Henrico	VA	23228
Resident	1567 Presidential Drive		Henrico	VA	23228
Resident	1569 Presidential Drive		Henrico	VA	23228
Resident	1571 Presidential Drive		Henrico	VA	23228
Resident	1573 Presidential Drive		Henrico	VA	23228
Resident	1575 Presidential Drive		Henrico	VA	23228
Resident	1577 Presidential Drive		Henrico	VA	23228
Resident	1579 Presidential Drive		Henrico	VA	23228
Resident	1581 Presidential Drive		Henrico	VA	23228
Resident	1500 Americana Drive		Henrico	VA	23228
Resident	1502 Americana Drive		Henrico	VA	23228
Resident	1504 Americana Drive		Henrico	VA	23228
Resident	1506 Americana Drive		Henrico	VA	23228
Resident	1508 Americana Drive		Henrico	VA	23228
Resident	1510 Americana Drive		Henrico	VA	23228
Resident	1512 Americana Drive		Henrico	VA	23228
Resident	1514 Americana Drive		Henrico	VA	23228
Resident	1516 Americana Drive		Henrico	VA	23228
Resident	1518 Americana Drive		Henrico	VA	23228
Resident	1520 Americana Drive		Henrico	VA	23228
Resident	1522 Americana Drive		Henrico	VA	23228
Resident	1524 Americana Drive		Henrico	VA	23228
Resident	1526 Americana Drive		Henrico	VA	23228
Resident	1528 Americana Drive		Henrico	VA	23228
Resident	1530 Americana Drive		Henrico	VA	23228
Resident	1532 Americana Drive		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1534 Americana Drive		Henrico	VA	23228
Resident	1501 Americiana Drive		Henrico	VA	23228
Resident	1503 Americana Drive		Henrico	VA	23228
Resident	1505 Americana Drive		Henrico	VA	23228
Resident	1507 Americana Drive		Henrico	VA	23228
Resident	1509 Americana Drive		Henrico	VA	23228
Resident	1511 Americana Drive		Henrico	VA	23228
Resident	1513 Americana Drive		Henrico	VA	23228
Resident	1515 Americana Drive		Henrico	VA	23228
Resident	1517 Americana Drive		Henrico	VA	23228
Resident	1519 Americana Drive		Henrico	VA	23228
Resident	1521 Americana Drive		Henrico	VA	23228
Resident	1523 Americana Drive		Henrico	VA	23228
Resident	1525 Americana Drive		Henrico	VA	23228
Resident	1527 Americana Drive		Henrico	VA	23228
Resident	1529 Americana Drive		Henrico	VA	23228
Resident	1531 Americana Drive		Henrico	VA	23228
Resident	1533 Americana Drive		Henrico	VA	23228
Resident	1535 Americana Drive		Henrico	VA	23228
Resident	1537 Americana Drive		Henrico	VA	23228
Resident	1539 Americana Drive		Henrico	VA	23228
Resident	1541 Americana Drive		Henrico	VA	23228
Resident	1501 Sargeant Court		Henrico	VA	23228
Resident	1503 Sargeant Court		Henrico	VA	23228
Resident	1505 Sargeant Court		Henrico	VA	23228
Resident	1507 Sargeant Court		Henrico	VA	23228
Resident	1509 Sargeant Court		Henrico	VA	23228
Resident	1511 Sargeant Court		Henrico	VA	23228
Resident	1513 Sargeant Court		Henrico	VA	23228
Resident	1515 Sargeant Court		Henrico	VA	23228
Resident	1517 Sargeant Court		Henrico	VA	23228
Resident	1519 Sargeant Court		Henrico	VA	23228
Resident	1521 Sargeant Court		Henrico	VA	23228
Resident	1523 Sargeant Court		Henrico	VA	23228
Resident	1500 Cedar Mountain		Henrico	VA	23228
Resident	1502 Cedar Mountain		Henrico	VA	23228
Resident	1504 Cedar Mountain		Henrico	VA	23228
Resident	1506 Cedar Mountain		Henrico	VA	23228
Resident	1508 Cedar Mountain		Henrico	VA	23228
Resident	1510 Cedar Mountain		Henrico	VA	23228
Resident	1512 Cedar Mountain		Henrico	VA	23228
Resident	1514 Cedar Mountain		Henrico	VA	23228
Resident	1516 Cedar Mountain		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1518 Cedar Mountain		Henrico	VA	23228
Resident	1520 Cedar Mountain		Henrico	VA	23228
Resident	1522 Cedar Mountain		Henrico	VA	23228
Resident	1500 Sharpsburg Court		Henrico	VA	23228
Resident	1502 Sharpsburg Court		Henrico	VA	23228
Resident	1504 Sharpsburg Court		Henrico	VA	23228
Resident	1506 Sharpsburg Court		Henrico	VA	23228
Resident	1508 Sharpsburg Court		Henrico	VA	23228
Resident	1510 Sharpsburg Court		Henrico	VA	23228
Resident	1512 Sharpsburg Court		Henrico	VA	23228
Resident	1514 Sharpsburg Court		Henrico	VA	23228
Resident	1504 Cross Keys Court		Henrico	VA	23228
Resident	1506 Cross Keys Court		Henrico	VA	23228
Resident	1508 Cross Keys Court		Henrico	VA	23228
Resident	1510 Cross Keys Court		Henrico	VA	23228
Resident	1512 Cross Keys Court		Henrico	VA	23228
Resident	1514 Cross Keys Court		Henrico	VA	23228
Resident	1516 Cross Keys Court		Henrico	VA	23228
Resident	1518 Cross Keys Court		Henrico	VA	23228
Resident	1520 Cross Keys Court		Henrico	VA	23228
Resident	1522 Cross Keys Court		Henrico	VA	23228
Resident	1524 Cross Keys Court		Henrico	VA	23228
Resident	1526 Cross Keys Court		Henrico	VA	23228
Resident	1528 Cross Keys Court		Henrico	VA	23228
Resident	1530 Cross Keys Court		Henrico	VA	23228
Resident	1532 Cross Keys Court		Henrico	VA	23228
Resident	1534 Cross Keys Court		Henrico	VA	23228
Resident	1536 Cross Keys Court		Henrico	VA	23228
Resident	1538 Cross Keys Court		Henrico	VA	23228
Resident	1540 Cross Keys Court		Henrico	VA	23228
Resident	1542 Cross Keys Court		Henrico	VA	23228
Resident	1544 Cross Keys Court		Henrico	VA	23228
Resident	1546 Cross Keys Court		Henrico	VA	23228
Resident	1548 Cross Keys Court		Henrico	VA	23228
Resident	1550 Cross Keys Court		Henrico	VA	23228
Resident	1552 Cross Keys Court		Henrico	VA	23228
Resident	1501 Cross Keys Court		Henrico	VA	23228
Resident	1503 Cross Keys Court		Henrico	VA	23228
Resident	1505 Cross Keys Court		Henrico	VA	23228
Resident	1507 Cross Keys Court		Henrico	VA	23228
Resident	1509 Cross Keys Court		Henrico	VA	23228
Resident	1511 Cross Keys Court		Henrico	VA	23228

Pet Waste Fact Sheet Distribution List

Name	Address 1	Address 2	City	State	Zip
Resident	1501 Harpers Ferry Court		Henrico	VA	23228
Resident	1503 Harpers Ferry Court		Henrico	VA	23228
Resident	1505 Harpers Ferry Court		Henrico	VA	23228
Resident	1507 Harpers Ferry Court		Henrico	VA	23228
Resident	1509 Harpers Ferry Court		Henrico	VA	23228
Resident	1511 Harpers Ferry Court		Henrico	VA	23228
Resident	1513 Harpers Ferry Court		Henrico	VA	23228
Resident	1515 Harpers Ferry Court		Henrico	VA	23228
Resident	1517 Harpers Ferry Court		Henrico	VA	23228
Resident	1519 Harpers Ferry Court		Henrico	VA	23228
Resident	1521 Harpers Ferry Court		Henrico	VA	23228
Resident	1523 Harpers Ferry Court		Henrico	VA	23228
Resident	1525 Harpers Ferry Court		Henrico	VA	23228
Resident	1527 Harpers Ferry Court		Henrico	VA	23228
Resident	1529 Harpers Ferry Court		Henrico	VA	23228
Resident	1531 Harpers Ferry Court		Henrico	VA	23228
Resident	1533 Harpers Ferry Court		Henrico	VA	23228
Resident	1535 Harpers Ferry Court		Henrico	VA	23228
Resident	1537 Harpers Ferry Court		Henrico	VA	23228
Resident	1539 Harpers Ferry Court		Henrico	VA	23228
Resident	1541 Harpers Ferry Court		Henrico	VA	23228
Resident	1543 Harpers Ferry Court		Henrico	VA	23228
Resident	1545 Harpers Ferry Court		Henrico	VA	23228

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 a Reynolds campus, call (804)-523-5224.

Reynolds Community College is an equal opportunity institution providing education and employment opportunities, program, services, and activities. For the full nondiscrimination policy and contact information, visit [Reynolds.edu/nondiscrimination](https://www.reynolds.edu/nondiscrimination).

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.

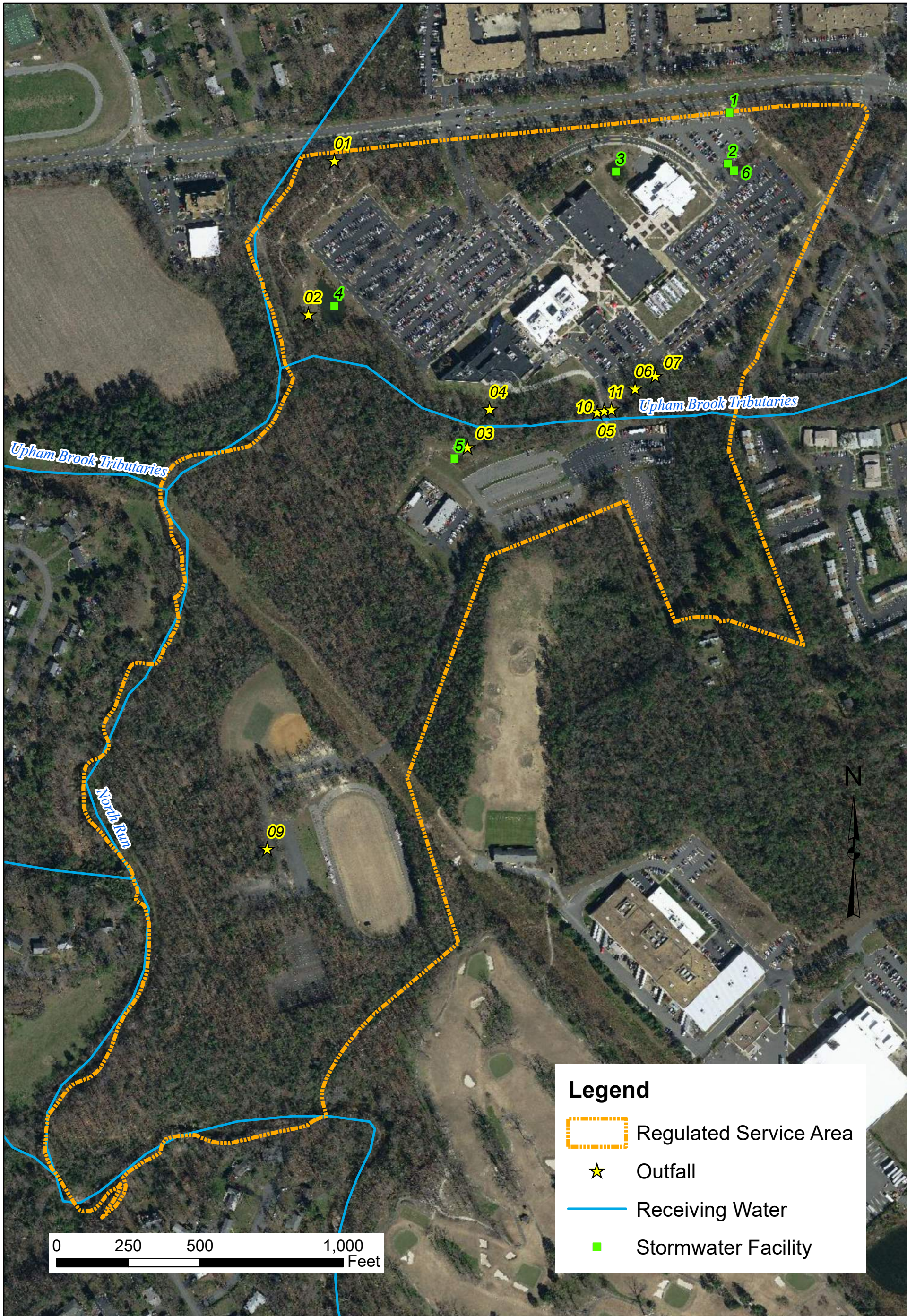
PRACTICES TO REDUCE STORMWATER POLLUTION INCLUDE CONTAINING AND COVERING GARBAGE, WASTE MATERIALS, AND DEBRIS. EVEN THE SIMPLE PRACTICE OF KEEPING A TRASH CAN LID CLOSED CAN BE A VERY EFFECTIVE POLLUTION PREVENTION MEASURE. OTHER EASY WAYS TO PREVENT STORMWATER POLLUTION INCLUDE: WASHING YOUR CAR OVER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







To report illegal dumping on a Reynolds campus, call (804)-523-5224.

Reynolds Community College is an equal opportunity institution providing education and employment opportunities, program, services, and activities. For the full nondiscrimination policy and contact information, visit [Reynolds.edu/nondiscrimination](https://www.reynolds.edu/nondiscrimination).

Appendix C



Legend

-  Regulated Service Area
-  Outfall
-  Receiving Water
-  Stormwater Facility

JSRCC Outfall Database
June 2019

Id	Location Description	Latitude	Longitude	MS4 Area Served (ac)	Receiving Water	HUC 12 of Receiving Water	Receiving Water Impaired?	Land Use	Chesapeake Bay TMDL?	Other TMDL?
01	Western corner of property, just South of Parham	37.638335	-77.476420	3.95	North Run	20802060403	Yes	Institutional	Yes	E. Coli
02	Western side of BMP adjacent to Parking Lot A	37.636863	-77.476754	12.38	North Run	20802060403	Yes	Institutional	Yes	E. Coli
03	Northern side of the Facilities Management BMP	37.635575	-77.474855	4.21	Unknown Tributary of Upham Brook	20802060403	Yes	Institutional	Yes	No
04	North of tributary, west of bridge over tributary	37.635928	-77.474579	0.62	Unknown Tributary of Upham Brook	20802060403	Yes	Institutional	Yes	No
05	West of Success Dr. @ tributary crossing on S side	37.635855	-77.473293	0.79	Unknown Tributary of Upham Brook	20802060403	Yes	Institutional	Yes	No
06	South of Parking Lot K outfalling to tributary	37.636119	-77.472824	1.08	Unknown Tributary of Upham Brook	20802060403	Yes	Institutional	Yes	No
07	Southwest of Parking Lot J outfalling to tributary	37.636237	-77.472577	9.35	Unknown Tributary of Upham Brook	20802060403	Yes	Institutional	Yes	No
09	West of football field/track, north of tennis courts	37.631652	-77.477209	8.04	North RUn	20802060403	Yes	Institutional	Yes	E. Coli
10	West of bridge	37.635915	-77.473763	0.34	Unknown Tributary of Upham Brook	20802060403	Yes	Institutional	Yes	No
11	East of bridge	37.635949	-77.473673	0.14	Unknown Tributary of Upham Brook	20802060403	Yes	Institutional	Yes	No

Stormwater Outfall Inspection Form

ID:	Date:	Time:	Inspector:	Photos #'s:
Coordinates:			Receiving Stream:	

Description	Pipe				Ditch			Inlet
	End of Pipe shape:	Material:			Lining:	Shape:		Grate
	Circular	RCP	Vitrified Clay	Natural	Trapezoid		Curb	
	Box	CMP	Steel	Concrete	V-shape		Scupper	
	Elliptical	PVC	HDPE	Rip-rap	Rectangular			
	Other:	Other:			Other:	Other:		Other
End of Pipe size (in): _____				Dimensions (ft): D=_____ Top W=_____ BotW=_____				

Visual Observations	Outfall Submerged?		Y	N	If yes:	Fully	> ½	< ½	None	
						Water				
						Sediment				
			Good	Fair	Poor	NA	Describe			
	Pipe Condition									
	Structure Condition									
	Vegetation Condition			Excessive	Inhibited	Good				
	Describe									
Debris in/around:				None	Sediment	Trash	Other			
				Outfall						
				Pipe						

Date of Last Rainfall:		Quantity of Last Rainfall (in):	
------------------------	--	---------------------------------	--

Weather history can be found at: <https://www.wunderground.com/history/airport/KPTB/>

Flow Present?	Y / N		If yes, discharge rate:			Trickle	Moderate	Substantial
Indicator	CHECK if Present	Description (Circle Applicable)			Relative Severity Index (1-3) (Circle Applicable)			
Odor		Sewage	Sulfide	Rancid/sour	1-Faint	2-Easily Detected	3- Noticeable from a Distance	
		Petroleum /gas	Other:					
Turbidity		See Severity Index			1-Sight Cloudiness	2- Cloudy	3- Opaque	
Floatables <i>Does not include trash!</i>		Sewage (Toilet Paper, etc.)		Suds	1- Few/slight; origin not obvious	2- Some; (possible suds, possible oil sheen, etc)	3- Some; (obvious oil sheen, suds, or sewage debris)	
		Petroleum (sheen)		Other:				
		Corrosion						
Deposits/Stains		Oily	Flow Line		Paint	Other:		
Poor Pool Quality		Odors	Colors		Floatables	Oil Sheen		
		Suds	Excessive Algae		Other:			
Pipe Benthic Growth		Brown	Orange		Green	Other:		

Notes:

J. Sargeant Reynolds Community College Illicit Discharge Investigation Form

Responder Information				
Call Taken By: _____		Call Date: _____		
Call Time: _____		Precipitation (in.) in the past 24-48 hrs.: _____		
Reporter Information				
Incident Time: _____		Incident Date: _____		
Caller Contact Information (<i>optional</i>):				
Incident Location				
Address or Outfall ID#:				
Closest Street Access:				
Nearby Landmark:				
Primary Location Description		Secondary Location Description		
<input type="checkbox"/> Stream Corridor <i>(In or adjacent to stream)</i>	<input type="checkbox"/> Outfall	<input type="checkbox"/> In-stream Flow	<input type="checkbox"/> Along Banks	
<input type="checkbox"/> Upland Area <i>(Land not adjacent to stream)</i>	<input type="checkbox"/> Near Storm Drain	<input type="checkbox"/> Near Other Water Source (stormwater pond, wetland, etc.)		
Narrative Description of Location:				
Upland Problem Indicator Description				
<input type="checkbox"/> Dumping	<input type="checkbox"/> Oil/Solvents/Chemicals	<input type="checkbox"/> Sewage		
<input type="checkbox"/> Wash water, Suds, etc.	<input type="checkbox"/> Other: _____			
Stream Corridor Problem Indicator Description				
Odor	<input type="checkbox"/> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Rancid/Sour	<input type="checkbox"/> Petroleum
	<input type="checkbox"/> Sulfide; Natural Gas			<input type="checkbox"/> Other: Describe in Narrative Section
Appearance	<input type="checkbox"/> Normal	<input type="checkbox"/> Oil Sheen	<input type="checkbox"/> Cloudy	<input type="checkbox"/> Suds
	<input type="checkbox"/> Other: Describe in Narrative Section			
Floatables	<input type="checkbox"/> None	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Dead Fish
	<input type="checkbox"/> Other: Describe in Narrative Section			
Narrative Description of Problem Indicators:				
Suspected Violator (Name, personal or vehicle description, license plate #, address, etc.):				

Description of Necessary Actions:

Certification:

"I certify that the illicit discharge has been eliminated, documented, and that no additional action is necessary at this time."

Signature of Inspector

Date

Next inspection date: _____

Illicit Dishcharge Tracking

Detection (Date, time, name)	Location	Indicator (Damage, stains, odor, visual, etc.)	Potential Source	Person(s) Notified	Corrected (Date, Description, Name, etc)



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
1401 EAST BROAD STREET
RICHMOND, VIRGINIA 23219-2000

Gregory A. Whirley
COMMISSIONER



June 30, 2010

J. Sargeant Reynolds Community College
1651 E. Parham Road
Richmond, VA 23285

Subject: MS4 Permit; Notice of Potential Interconnected Stormwater Systems

Attention: MS4 Permit Manager

The Virginia Department of Transportation (VDOT) is a Phase II small MS4 and is covered under the Virginia Stormwater Management Program (VSMP) General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer System (Registration Number VAR040115).

The purpose of this letter is to notify you of the potential for interconnections between the stormwater systems operated by VDOT and the stormwater systems that you operate. The MS4 permit requires that VDOT notify in writing, any downstream regulated MS4 to which VDOT is physically interconnected. At this time, we have not identified any points where VDOT discharges stormwater into your regulated MS4 stormwater system; however we believe that there are likely interconnections between our systems. There is no action required on your part at this time, as this letter is for notification purposes only.

If you have questions or desire additional information related to this subject, please contact me or:

Morris Z. Walton
Maintenance Division
Roadside Program Planner
Telephone - (804)786-0943
E-mail – Morris.Walton@VDOT.Virginia.gov

Sincerely

Roy T. Mills
Location and Design Division
State Stormwater Program Administrator
Telephone - (804)786-9013
E-mail – Roy.Mills@VDOT.Virginia.gov

Appendix D



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

1111 E. Main Street, Suite 1400, Richmond, Virginia 23219

P.O. Box 1105, Richmond, Virginia 23218

(800) 592-5482

www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director
(804) 698-4000

October 7, 2019

Robert Jones, RA, CBP, VCCO
Associate Vice Chancellor for Facilities Management Services
Arboretum III - 300 Arboretum Place
2nd Floor, Suite 200
Richmond, VA 23236

Transmitted electronically: bjones@vccs.edu

Subject: Virginia Community College System – Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management (AS&S for ESC and SWM)

Dear Mr. Jones:

The Virginia Department of Environmental Quality ("DEQ") hereby approves the Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management for the Virginia Community College System (VCCS) revised "September 19, 2019". This coverage is effective from October 7, 2019 to October 6, 2020.

To ensure compliance with approved specifications, the Virginia Erosion and Sediment Control Law and the Virginia Stormwater Management Act, DEQ staff will conduct random site inspections, respond to complaints, and provide on-site technical assistance with specific erosion and sediment control and stormwater management measures and plan implementation.

Please note that your approved Annual Standards and Specifications include the following requirements:

1. Variance, exception, and deviation requests must be submitted separately from this Annual Standards and Specifications submission to DEQ. DEQ may require project-specific plans associated with variance requests to be submitted for review and approval.
2. The following information must be submitted to DEQ for each project at least two weeks in advance of the commencement of regulated land-disturbing activities. Notifications shall be sent by email to: StandardsandSpecs@deq.virginia.gov
 - i: Project name or project 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; and
 - viii: Any variances/exceptions/waivers associated with this project.
3. Project tracking of all regulated land disturbing activities (LDA) must be submitted to the DEQ on a bi-annual basis. Project tracking records shall contain the same information as required in the two week e-notifications for each regulated LDA.
 4. Erosion & Sediment Control and Stormwater Management plan review and approval must be conducted by DEQ-Certified plan reviewers and documented in writing.

To ensure an efficient information exchange and response to inquiries, the DEQ Central Office is your primary point of contact. Central Office staff will coordinate with our Regional Office staff as appropriate.

Thank you very much for your submission and continued efforts to conserve and protect Virginia's precious natural resources.

Sincerely,



Andrew J. Hammond II, Acting Manager
Office of Stormwater Management

Cc: Shelley Bains, sbains@vccs.edu

Case Decision Information:

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

QUICK REFERENCE GUIDE: VCCS Standards and Specifications for Erosion & Sediment Control and Stormwater Management

#1 Will the project cause a change to the land that may result in soil erosion and movement of sediment to the storm sewer or surface waters?



Clearing



Yes



Yes



Yes



Milling



Landscaping



Trench in Asphalt



Emergency

Yes

No

Could the area of land disturbance be:

- 1,000 SF at CVCC?
- 2,500 square feet if in a CBPA¹?
- 2,500 square feet (DCC, PDCCC (Franklin), VWCC)?
- 5,000 square feet at NVCC (Loudoun)
- 10,000 square feet (All others)?

No

Standards & Specifications for ESC are not applicable.

- ✓ Restore to pre-disturbance condition.
- ✓ Provide sediment controls, as appropriate.

Yes

Standards & Specifications for ESC Apply!

- ✓ Provide Submittal to VCCS Review/Approval (See Section 3.1.2 of the Stnd. & Specs.)

Legend

Step #

Assessment Item

Action Item

¹ CBPA = Chesapeake Bay Presevation Area. See App. A of Stnds. & Specs.

Standards & Specifications for SWM are not applicable.

- ✓ Ensure final conditions do not change original grade line, hydraulic capacity or original construction of project.

#2 Will the project change runoff characteristics of the land surface?



New Impervious



Drainage Change



Change to Cover



SWM Facility

No

Yes

Could the area of land disturbance be:

- 2,500 square feet if in a CBPA¹?
- 1-acre (All others)?

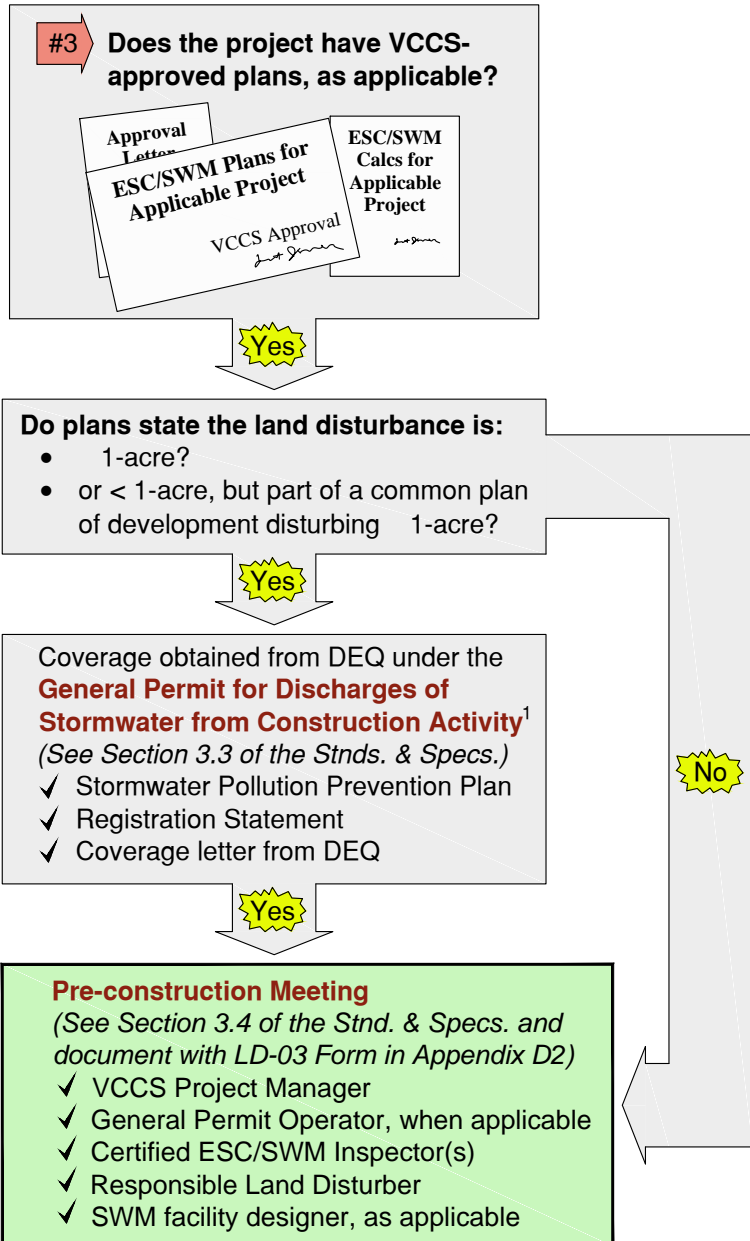
Or is a new SWM facility proposed?

No

Yes

Standards & Specifications for SWM Apply!

- ✓ Provide Submittal to VCCS Review/Approval (See Section 3.2.4 of the Stnd. & Specs.)





#4 Implementation through Construction (Responsibilities)

Contractor/Permit Operator

- ✓ Comply with the conditions of the General Permit for Discharges from Construction Activity, when applicable;
- ✓ Adhering to the approved plans, unless VCCS-approved modification;
- ✓ Maintaining the plans and Stormwater Pollution Prevention Plan on-site (see SWPPP template associated with the Stnds. & Specs.);
- ✓ Obtaining necessary permits for off-site activities;
- ✓ Providing SWM facility certified record drawings (See section 4.1.1 of the Stnds. & Specs.);
- ✓ Responding to any corrective action(s) identified as a result of a VCCS or DEQ inspection.



Virginia Community College System

- ✓ Perform inspections by a DEQ-certified ESC and SWM inspector using applicable inspection form (see Section 4.2.1 & Appendix E of the Stnds. & Specs.);
- ✓ Enforce the Stnds. & Specs. (see Appendix E of the Stnds. & Specs.);
- ✓ Review plan modifications and provide written approval, as applicable;
- ✓ Review and approve SWM facility record drawings;
- ✓ Project termination and tracking.

#5 Post-construction - SWM Facility Inspections & Maintenance

- ✓ Inspect a minimum of once annually using inspection forms from the Virginia Stormwater Management Handbook (Appendix 9-C)
- ✓ Provide timely maintenance, as needed.


¹ The project contractor shall be the permittee for coverage under the construction general permit.

Appendix E

Detention, Retention, & Impoundment BMPs

J. Sargeant Reynolds Community College Inspection & Maintenance Checklist

Date: _____			Inspector Name: _____	
			Inspection Date: _____	
BMP ID #: _____			Type of BMP: _____	
Component:	Yes	No	N/A	Comments:
I. Embankment				
A. Top				
1. Visual settlement				
2. Misalignment				
3. Cracking				
B. Upstream Slope				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
C. Downstream Slope				
1. Erosion				
2. Adequate groundcover				
3. Trees, shrubs, or other vegetation				
4. Cracks, settlements, or bulges				
5. Rodent holes				
E. Drainage/seepage control				
1. Internal drains flowing				
2. Seepage at toe				
II. Emergency Spillway				
1. Eroding or backcutting				
2. Obstruction				

Component:	Yes	No	N/A	Comments:
3. Leaking				
4. Operational				
III. Principal Spillway Barrel				
1. Seepage into pipe				
2. Debris present				
3. Displaced or offset joints				
IV. Outlet Protection/Stilling Basin				
1. Obstruction				
2. Adequate riprap				
3. Undercutting at the outlet				
4. Outlet channel scour				
V. Internal Basin Area				
A. Low Flow Channel*				
1. Erosion				
2. Adequate vegetation				
3. Obstruction				
B. Basin Bottom & Side Slopes				
1. Erosion				
2. Adequate stabilization				
3. Sediment accumulation				
4. Floating debris				
5. High water marks				
6. Shoreline protection				
C. Inflow Channels/Pipes				
1. Erosion				
2. Adequate stabilization				

Component:	Yes	No	N/A	Comments:
3. Undercutting				
4. Obstruction				
D. Sediment Forebay				
1. Sediment accumulation				
2. Stable overflow into basin				
E. Upland Landscaping				
F. Aquatic Landscaping				
*Only applies to Extended Detention Facilities				

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: _____

Filterra BMPs

J. Sargeant Reynolds Community College Inspection & Maintenance Checklist

Date: _____		Inspector Name: _____	
Type of BMP: _____		Inspection Date: _____	
BMP ID #: _____		Filterra Size: _____	
Component		Comments:	
Initial Observations (Circle Y/N)			
Standing Water?	Y	N	
Damage to Box Structure?	Y	N	
Damage to Grate?	Y	N	
Is Bypass Clear?	Y	N	
Waste			
Silt/Clay	Y	N	
Cups/Bags/Trash	Y	N	
Leaves	Y	N	
Other	Y	N	
Media			
Depth from Top of Slab to Surface of Mulch (in.)	_____		Note: If depth from top of slab to surface of mulch exceeds 14", mulch is added until the depth of 14" is achieved.
Mulch			
Netting in Need of Replacement?	Y	N	Mulch Replacement or Addition Necessary? Y N Amount of Mulch Addition or Replacement Needed (in.): _____
Stones in Need of Replacement?	Y	N	Type of Mulch to Be Added or Replaced? _____
Plantings			
Plant Information	#1	#2	Note: #1 indicates the plant to the left facing the throat of the inlet and #2 represents the plant to the right facing the throat of the inlet.
Height Above Grate? (ft.)	_____	_____	Health of plant(s) Alive/Dead Alive/Dead
Stem Diameter/Caliper? (in.)	_____	_____	Damage to plant(s)? Y/N Y/N
Width at Widest Point? (ft.)	_____	_____	Plant(s) replaced? Y/N Y/N

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: _____



REVISIONS	DATE	NO.
	08-23-13	1

**J. SARGEANT REYNOLDS COMMUNITY COLLEGE
WORKFORCE TRAINING AND ADMINISTRATION
BUILDING**
RICHMOND, VIRGINIA
Project Code: 260-18849

MMM DESIGN GROUP
ARCHITECTS & ENGINEERS + PLANNERS
300 East Main Street
Norfolk, Virginia 23510
757.623.1641

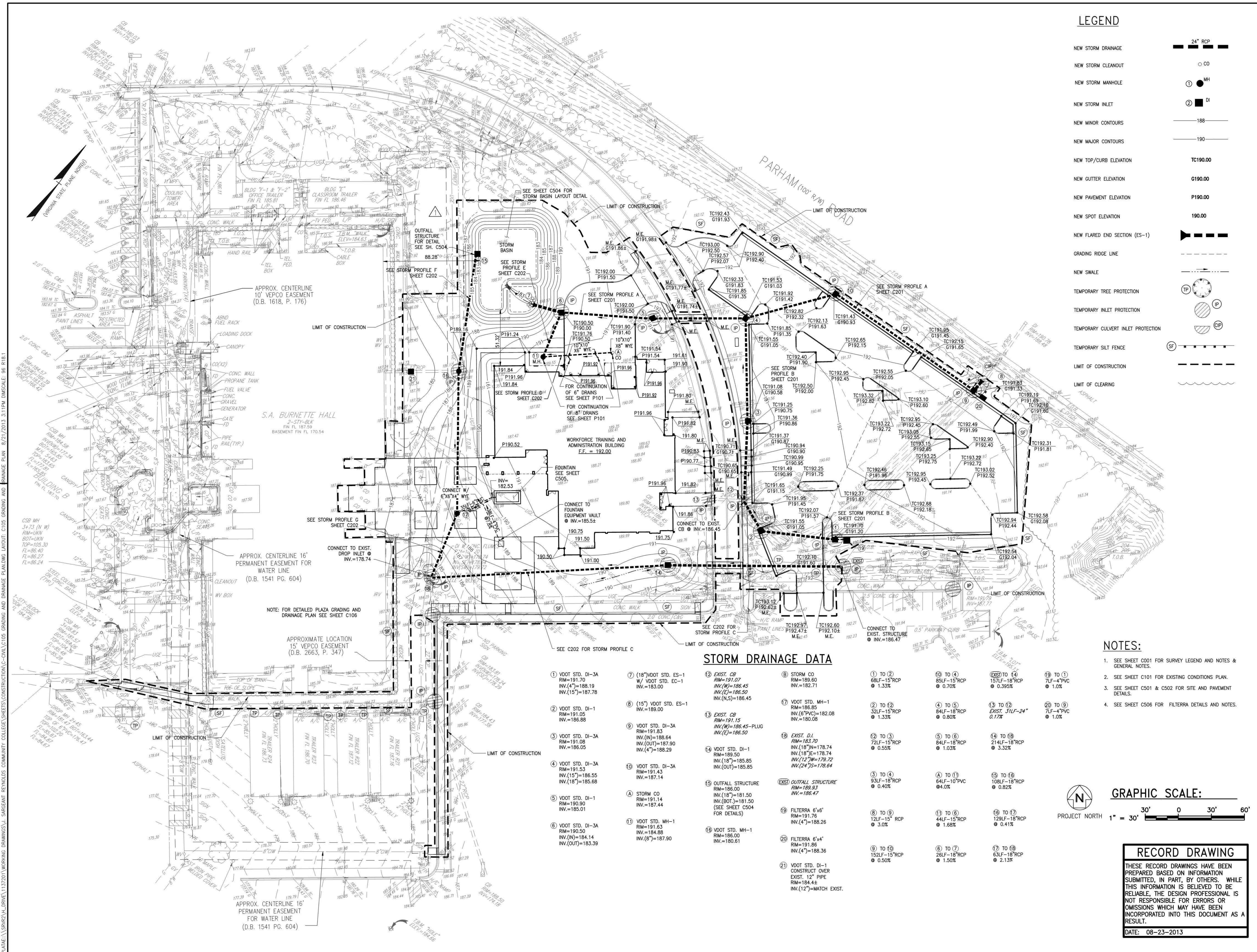
Drawn: KBG
Checked: WBE
Approved: SLC
Date: APRIL 10, 2009
Proj. No: 11372.01

GRADING AND DRAINAGE PLAN

Sheet Number:
C105

LEGEND

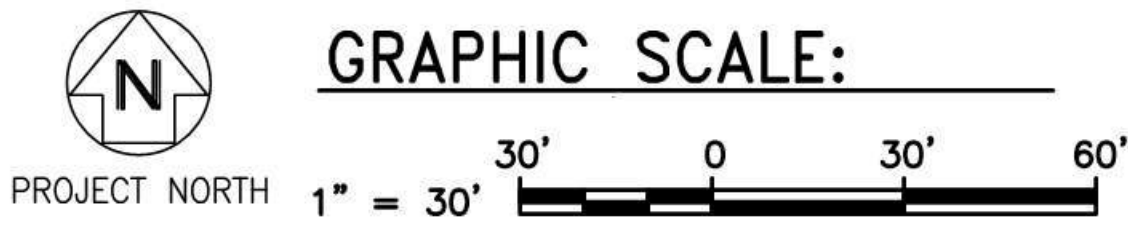
- NEW STORM DRAINAGE
- NEW STORM CLEANOUT
- NEW STORM MANHOLE
- NEW STORM INLET
- NEW MINOR CONTOURS
- NEW MAJOR CONTOURS
- NEW TOP/CURB ELEVATION
- NEW GUTTER ELEVATION
- NEW PAVEMENT ELEVATION
- NEW SPOT ELEVATION
- NEW FLARED END SECTION (ES-1)
- GRADING RIDGE LINE
- NEW SWALE
- TEMPORARY TREE PROTECTION
- TEMPORARY INLET PROTECTION
- TEMPORARY CULVERT INLET PROTECTION
- TEMPORARY SILT FENCE
- LIMIT OF CONSTRUCTION
- LIMIT OF CLEARING



STORM DRAINAGE DATA

- | | | | | |
|--|---|---|--|---|
| 1) VDOT STD. DI-3A
RIM=191.70
INV.(4")=188.19
INV.(15")=187.78 | 7) (18")VDOT STD. ES-1
W/ VDOT STD. EC-1
INV.=183.00 | 12) EXIST. CB
RIM=191.07
INV.(N)=186.45
INV.(E)=186.50
INV.(S)=186.45 | 17) VDOT STD. MH-1
RIM=186.85
INV.(6")=182.08
INV.=180.08 | 22) VDOT STD. DI-1
CONSTRUCT OVER
EXIST. 12" PIPE
RIM=184.44
INV.(12")=MATCH EXIST. |
| 2) VDOT STD. DI-1
RIM=191.05
INV.=186.88 | 8) (15") VDOT STD. ES-1
INV.=189.00 | 13) EXIST. CB
RIM=191.15
INV.(N)=186.45-PLUG
INV.(E)=186.50 | 18) EXIST. DI
RIM=183.70
INV.(18")=178.74
INV.(18")E=178.74
INV.(12")=179.72
INV.(24")=178.64 | 27) VDOT STD. DI-1
CONSTRUCT OVER
EXIST. 12" PIPE
RIM=184.44
INV.(12")=MATCH EXIST. |
| 3) VDOT STD. DI-3A
RIM=191.08
INV.=186.05 | 9) VDOT STD. DI-3A
RIM=191.83
INV.(N)=186.64
INV.(OUT)=187.90
INV.(4")=188.29 | 14) VDOT STD. DI-1
RIM=189.50
INV.(18")=185.85
INV.(OUT)=185.85 | EXIST) OUTFALL STRUCTURE
RIM=189.93
INV.=186.47 | 28) FILTERRA 6"x4"
RIM=191.76
INV.(4")=188.26 |
| 4) VDOT STD. DI-3A
RIM=191.53
INV.(15")=186.55
INV.(18")=185.68 | 10) VDOT STD. DI-3A
RIM=191.43
INV.=187.14 | 15) OUTFALL STRUCTURE
RIM=186.00
INV.(18")=181.50
INV.(BOT.)=181.50
(SEE SHEET C504
FOR DETAILS) | 19) FILTERRA 6"x6"
RIM=191.76
INV.(4")=188.26 | 29) VDOT STD. DI-1
CONSTRUCT OVER
EXIST. 12" PIPE
RIM=184.44
INV.(12")=MATCH EXIST. |
| 5) VDOT STD. DI-1
RIM=190.90
INV.=187.44 | 11) VDOT STD. MH-1
RIM=191.83
INV.=184.88
INV.(8")=187.90 | 16) VDOT STD. MH-1
RIM=186.00
INV.=180.61 | 20) FILTERRA 6"x4"
RIM=191.86
INV.(4")=188.36 | 30) VDOT STD. DI-1
CONSTRUCT OVER
EXIST. 12" PIPE
RIM=184.44
INV.(12")=MATCH EXIST. |
| 6) VDOT STD. DI-3A
RIM=190.50
INV.(N)=184.14
INV.(OUT)=183.39 | | | | |

- NOTES:**
- SEE SHEET C001 FOR SURVEY LEGEND AND NOTES & GENERAL NOTES.
 - SEE SHEET C101 FOR EXISTING CONDITIONS PLAN.
 - SEE SHEET C501 & C502 FOR SITE AND PAVEMENT DETAILS.
 - SEE SHEET C506 FOR FILTERRA DETAILS AND NOTES.



RECORD DRAWING

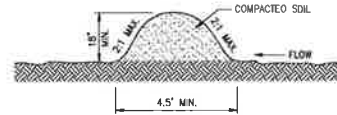
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DATE: 08-23-2013

PLANE:\WORK\137201\WORKING DRAWINGS\J. SARGEANT REYNOLDS COMMUNITY COLLEGE\CONSTRUCTION\CIVIL\C105 GRADING AND DRAINAGE PLANNING LAYOUT: C105 GRADING AND DRAINAGE PLAN 8/21/2013 3:11PM DISSCALE: 96 R18

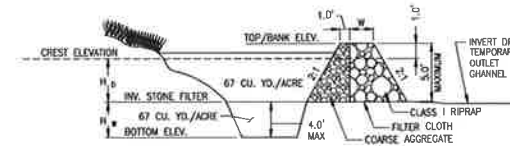
CONSTRUCTION SEQUENCING

1. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE.
2. INSTALL INLET PROTECTION AROUND EXISTING DRAINAGE STRUCTURES, AND CONSTRUCT TEMPORARY SEDIMENT TRAPS.
3. CLEAR AND GRUB SITE MAINTAINING EXISTING DRAINAGE PATTERNS.
4. ROUGH-GRADE ROADS AND PARKING LOTS MAINTAINING EXISTING DRAINAGE PATTERNS AS LONG AS POSSIBLE.
5. INSTALL UNDERGROUND UTILITIES.
6. INSTALL STORM DRAINAGE SYSTEM. INSTALL INLET PROTECTION AT NEW DRAINAGE STRUCTURES. FILTERS AND DIRECTION SYSTEM INLETS SHALL NOT RECEIVE ANY STORMWATER FLOW UNTIL SITE IS FULLY STABILIZED, PER MANUFACTURER'S SPECIFICATIONS.
7. CONSTRUCT BUILDING. AT THIS TIME EXCAVATION OF THE PERMANENT STORMWATER MANAGEMENT BASIN MAY COMMENCE IF THE EXCAVATED MATERIAL IS NEEDED AS FILL ELSEWHERE ON SITE. THE BOTTOM OF THE EXCAVATED BASIN SHALL NOT BE DEEPER THAN ELEVATION 183.50 (ONE FOOT ABOVE FINAL BOTTOM ELEVATION) AT THIS TIME. EXCAVATED AREA MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY SEEDING SCHEDULE AND IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
8. INSTALL CURB AND GUTTER.
9. BACKFILL CURB AND GUTTER, GRADE BEHIND CURB, AND ESTABLISH VEGETATIVE COVE BEHIND CURB.
10. PLACE BASE STONE AND ASPHALT.
11. MAINTAIN INLET PROTECTION, SILT FENCE, AND OTHER EROSION CONTROL MEASURES.
12. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION.
13. DRESS AND OVERSEED ALL DISTURBED AREAS AS NECESSARY TO ESTABLISH PERMANENT VEGETATIVE COVER.
14. FINALIZE CONSTRUCTION OF INFILTRATION BASIN INCLUDING EXCAVATION TO FINAL DEPTH OF 182.50 USING LIGHT WEIGHT EQUIPMENT SO AS TO NOT OVER-COMPACT THE BASIN SOILS. FINAL BASIN CONSTRUCTION AND STABILIZATION SHALL COMPLY WITH THE REQUIREMENTS OF MINIMUM STANDARD 3.10A IN THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK.
15. REMOVE REMAINING TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION, INCLUDING FINAL DECONSTRUCTION OF THE REMAINING TEMPORARY SEDIMENT TRAPS.

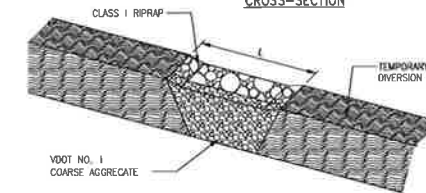


TEMPORARY DIVERSION DIKE
NOT TO SCALE

SEDIMENT TRAP DIMENSIONS		
	TRAP 'A'	TRAP 'B'
FILTER LENGTH	13.5'	5.5'
WET STORAGE HEIGHT (H _w)	4"	2.75"
DRY STORAGE HEIGHT (H _d)	2.1"	1.55"
BOTTOM ELEVATION	183.00	182.50
STONE FILTER INVERT	187.00	183.25
GREST ELEVATION	189.15	184.80
TOP/BANK ELEV.	190.15	185.80
TOP WIDTH (W)	3.0'	1.5'



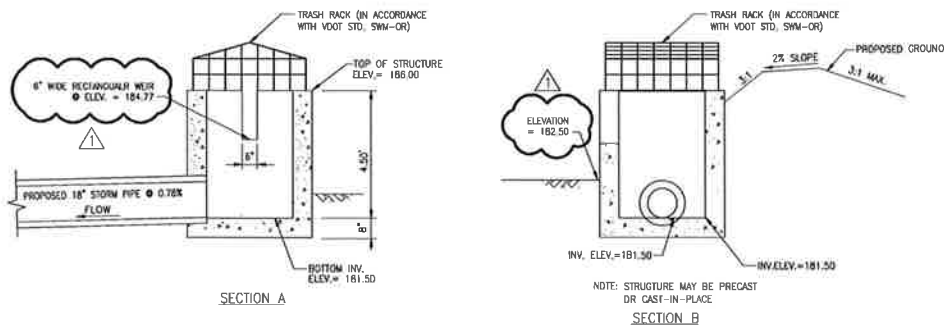
CROSS-SECTION



NOTE:

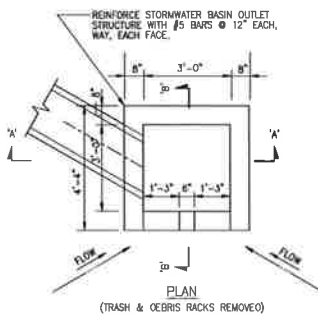
TEMPORARY SEDIMENT TRAP CONSTRUCTION AND MAINTENANCE SHALL COMPLY WITH ALL REQUIREMENTS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

TEMPORARY SEDIMENT TRAP
NOT TO SCALE



SECTION A

SECTION B



STORMWATER INFILTRATION BASIN OUTLET STRUCTURE
NOT TO SCALE

STORMWATER MANAGEMENT FACILITY MAINTENANCE SCHEDULE

THE STORMWATER MANAGEMENT FACILITY SHALL BE MAINTAINED BY THE RESPONSIBLE PARTY IN ACCORDANCE WITH THE NOTES BELOW. THE RESPONSIBLE PARTY SHALL BE THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER. AFTER FINAL ACCEPTANCE THE OWNER SHALL BE THE RESPONSIBLE PARTY.

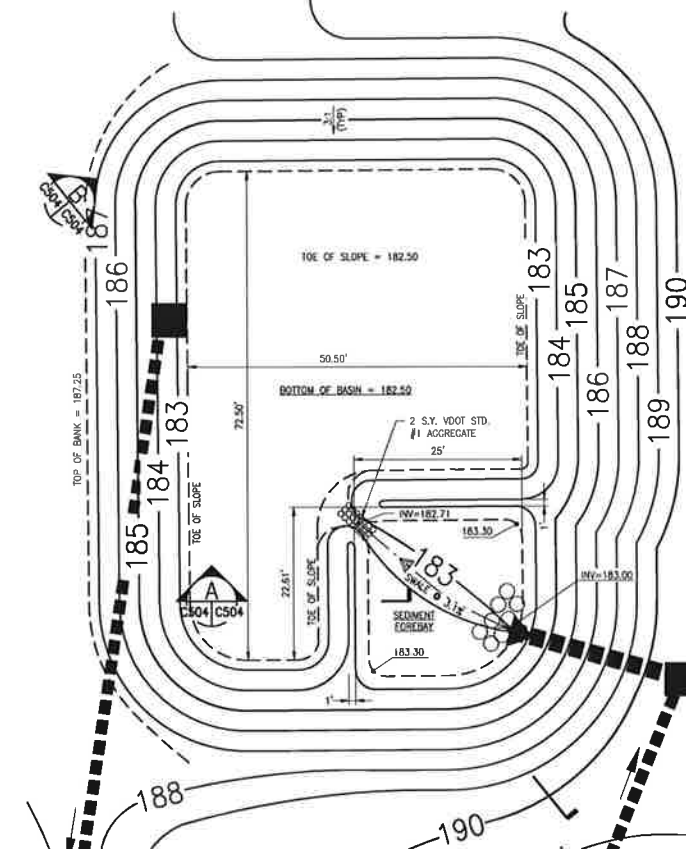
A. RESPONSIBLE PARTY SHALL COMPLY WITH ALL MAINTENANCE REQUIREMENTS OF THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK MINIMUM STANDARD 3.10A.

B. AT LEAST TWICE PER YEAR THE RESPONSIBLE PARTY SHOULD:

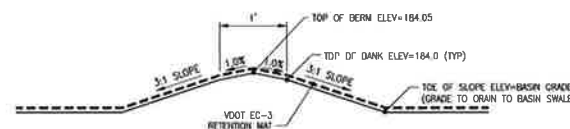
1. CLEAN DEBRIS AND SEDIMENT FROM THE SEDIMENT FOREBAY.
2. REMOVE LEAVES, DEBRIS AND OTHER NON-POROUS MATERIAL FROM THE BOTTOM AND SIDE SLOPES OF THE INFILTRATION BASIN.

BASIN STORAGE VOLUMES		
ELEVATION	SURFACE AREA (FP)	TOTAL VOLUME (FP)
182.50	2,786	0
183.00	3,122	1,471
184.00	3,877	4,963
184.15	4,755	5,610
184.77	5,280	6,719
185.00	5,446	9,952
186.00	6,311	15,825
187.00	7,232	22,590
187.25	7,486	24,430

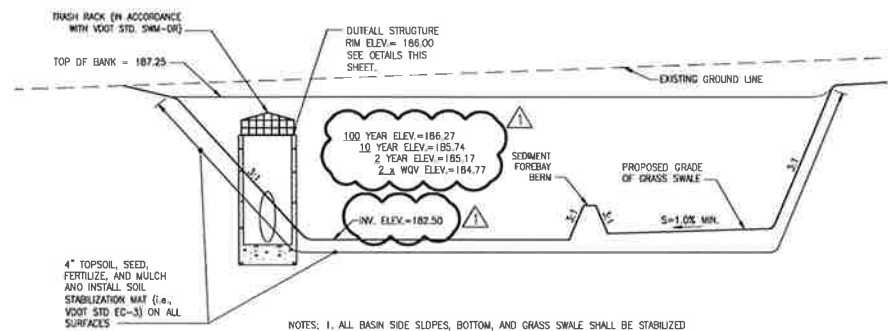
NOTE: THE TWO TIMES WATER QUALITY VOLUME IS 8,712 CUBIC FEET.



STORM BASIN LAYOUT
(SEE SHEET C105 FOR GRADING AND DRAINAGE PLAN)
SCALE: 1" = 10'



SEDIMENT FOREBAY BERM SECTION
NOT TO SCALE



NOTES: 1. ALL BASIN SIDE SLOPES, BOTTOM, AND GRASS SWALE SHALL BE STABILIZED WITH PERMANENT SOIL STABILIZATION MATTING (VDOT STD. EC-3).

2. SEE SHEET C102 FOR EROSION CONTROL DETAILS AND NOTES.

STORM BASIN SECTION
NOT TO SCALE

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION SUBMITTED, IN PART, BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

DATE: 08-23-2013

PROFESSIONAL SEAL: STEPHEN L. CASTRO, LIC. No. 12997, PROFESSIONAL ENGINEER

J. SARGENT REYNOLDS COMMUNITY COLLEGE
WORKFORCE TRAINING AND ADMINISTRATION BUILDING
RICHMOND, VIRGINIA
Project Code: 280-16849

MMMI DESIGN GROUP
ARCHITECTS • ENGINEERS • PLANNERS
300 EAST MAIN STREET
NORFOLK, VIRGINIA 23510
757-623-1641

Drawn: KBC
Checked: WBE
Approved: SLC
Date: APRIL 10, 2009
Proj. No: 11372.01

BMP BASIN DETAILS

Sheet Number: **C504**

SWM NARRATIVE

Two ponds are to be constructed to provide BMPs and storm water management to the northern portion of the community college. These ponds are to be designed under the assumption that the ultimate conditions for the site shall be implemented. Pond 1 is to be a retention basin (4xWQV), and is shown on this plan. Pond 2 is to be an enhanced extended detention pond and shall be submitted for review under a separate plan. Pond 1 provides a permanent pool volume of 72,640 cf. This exceeds the required storage of 71,874 cf, which is based on the water quality volume required per the approved Stormwater Master Plan (9.9 acres of impervious). Also per the Stormwater Master Plan, Pond 1 is intended to serve for water quality. Therefore controlling peak runoff was not considered. The BMP requirements as stipulated in the master plan will be met upon the successful completion of this project.

SWM MAINTENANCE PLAN

General

A thick, healthy grass cover, free of trees and brush, should be maintained on the embankment. Such a cover will help stabilize the surfaces of the embankment and will simplify inspections.

The embankment should be mowed periodically during the growing season, ensuring that the last cutting occurs at the end of the season. The grass should not be cut less than 6 to 8 inches in height.

All erosion gullies noted during the growing season should be backfilled with topsoil, reseeded and protected (mulched) until vegetation is established.

All bare areas and pathways on the embankment should be properly seeded and protected (mulched) or otherwise stabilized to eliminate the potential for erosion.

All animal burrows should be backfilled and compacted and burrowing animals should be removed from the area.

All trees, woody vegetation and other deep-rooted growth, including stumps and associated root systems, should be removed from the embankment and adjacent areas extending to at least 25 feet beyond the embankment toe and abutment contacts. The root systems should be extracted and the excavated volume replaced and compacted with material similar to the surrounding area. All seedlings should be removed at the first opportunity. Similarly, any vine cover and brush should be removed from the embankment to allow for inspections.

Any repairs made to the principal spillway (riser or barrel) should be reviewed by a professional engineer. Vertical trenching to expose the barrel should not be allowed under any circumstances. The trench side slopes should be stepped back at a 2:1 slope, minimum.

Spillway structures should be cleared of debris periodically and after any significant rainfall event where inspection reveals a significant blockage.

During low water conditions, concrete spillway structures should be inspected to decide if water is passing through any joints or other structure contacts and to identify any cracks, spalling, broken or loose sections. Any cracked, spalled, broken or loose sections should be cleaned and refilled with an appropriate concrete patching material. A professional engineer should be consulted to repair extensive leakage, spalls or fractures.

Outlet protection (stilling basins) and discharge channels should be cleared of brush at least once per year.

Trash racks and locking mechanisms should be inspected and tested periodically to make sure they are intact and operative.

In general, sediment should be removed from the forebay every 3 to 5 years, or when 5 to 12 inches have accumulated, whichever comes first. To clean the forebay, draining or pumping and a possible temporary partial drawdown of the pool area may be required. Refer to the VESCH, 1992 edition for proper dewatering methods.

Davis Wrinkle of JSRCC Parham Road Campus shall be the key person in charge of basin maintenance.

Vegetation

The basin's side slopes, embankment and emergency spillway should be mowed at least twice a year to discourage woody growth. For aesthetic purposes, more frequent mowing may be necessary in residential areas.

Specific plant communities may require different levels of maintenance. Upland and floodplain terrace areas, grown as meadows or forests, require very little maintenance, while aquatic or emergent vegetation may need periodic thinning or reinforcement plantings. Note that after the first growing season, it should be obvious if reinforcement plantings are needed. If they are, they should be installed at the onset of the second growing season after construction.

Debris and Litter Removal

Debris and litter will accumulate near the inflow points and around the outlet control structure. Such material should be removed periodically. Also, as the water level rises during storm events, floatables accumulate around the grate or trash rack of the control structure. If a flat horizontal trash rack is used, floating debris will be come lodged on the trash rack, which will remain clogged until it is manually cleaned. A significant accumulation can clog the riser structure. The use of an angled trash rack is recommended to allow any accumulated debris to slide off as the water level drops.

Sediment Removal

Sediment deposition should be continually monitored in the basin. Removal of any accumulated sediment, in the sediment forebay or elsewhere, is extremely important. A significant accumulation of sediment impairs the pollutant removal capabilities of the basin by reducing the permanent pool volume. The deposited sediment also becomes prone to resuspension during heavy flow periods. Unless unusual conditions exist, accumulated sediment should be removed from the sediment forebay and possibly other deep areas within the permanent pool every 5 to 10 years.

Drawdown of this basin and forebay areas shall be conducted before removal of any sediment. This basin is not equipped with a basin drain pipe. A gasoline powered pump will be required. Effluent from pump shall be passed through a filter bag prior to entering the stream.

Owners, operators, and maintenance authorities should be aware that significant concentrations of heavy metals (e.g., lead, zinc and cadmium) and some organics, such as pesticides, may be expected to accumulate at the bottom of a retention basin. Testing of sediment, especially near points of inflow, should be conducted regularly and before disposal to establish the leaching potential and level of accumulation of hazardous materials. Disposal methods must comply with applicable state and local regulations (e.g., for special waste).

Inspections

A retention basin and its components should be inspected annually, at a minimum, to ensure that they operate in the manner originally intended. Items in need of repair should be addressed promptly and as specified in the comprehensive maintenance program. Detailed inspections by qualified persons should address the following areas/concerns:

- Dam settling, woody growth, and signs of piping
- Signs of seepage on the downstream face of the embankment
- Condition of grass cover on the embankment, basin floor and perimeter
- Riprap displacement or failure
- Principal and emergency spillway meet design plans for operation
- Outlet controls, debris racks and mechanical and electrical equipment
- Outlet channel conditions
- Inlet pipe conditions
- Safety features of the facility
- Access for maintenance equipment
- Sediment accumulation
- Debris and trash accumulation
- Erosion of the embankment or side slopes

NOTES

1. The permanent pool shall be pumped, and the resulting effluent properly treated, during maintenance.
2. A level spreader with rigid lip shall be installed per the detail on sheet SWM-4.
3. Permanent stabilization for the basin side slopes shall be implemented as detailed in Section 3.32 of the vesch or as directed in this plan.
4. Construction shall be in accordance with the latest version of the Virginia Department of Transportation Roads and Bridge Standards.
5. All construction takes place within soil type AMC2 - applying fine sandy loam.

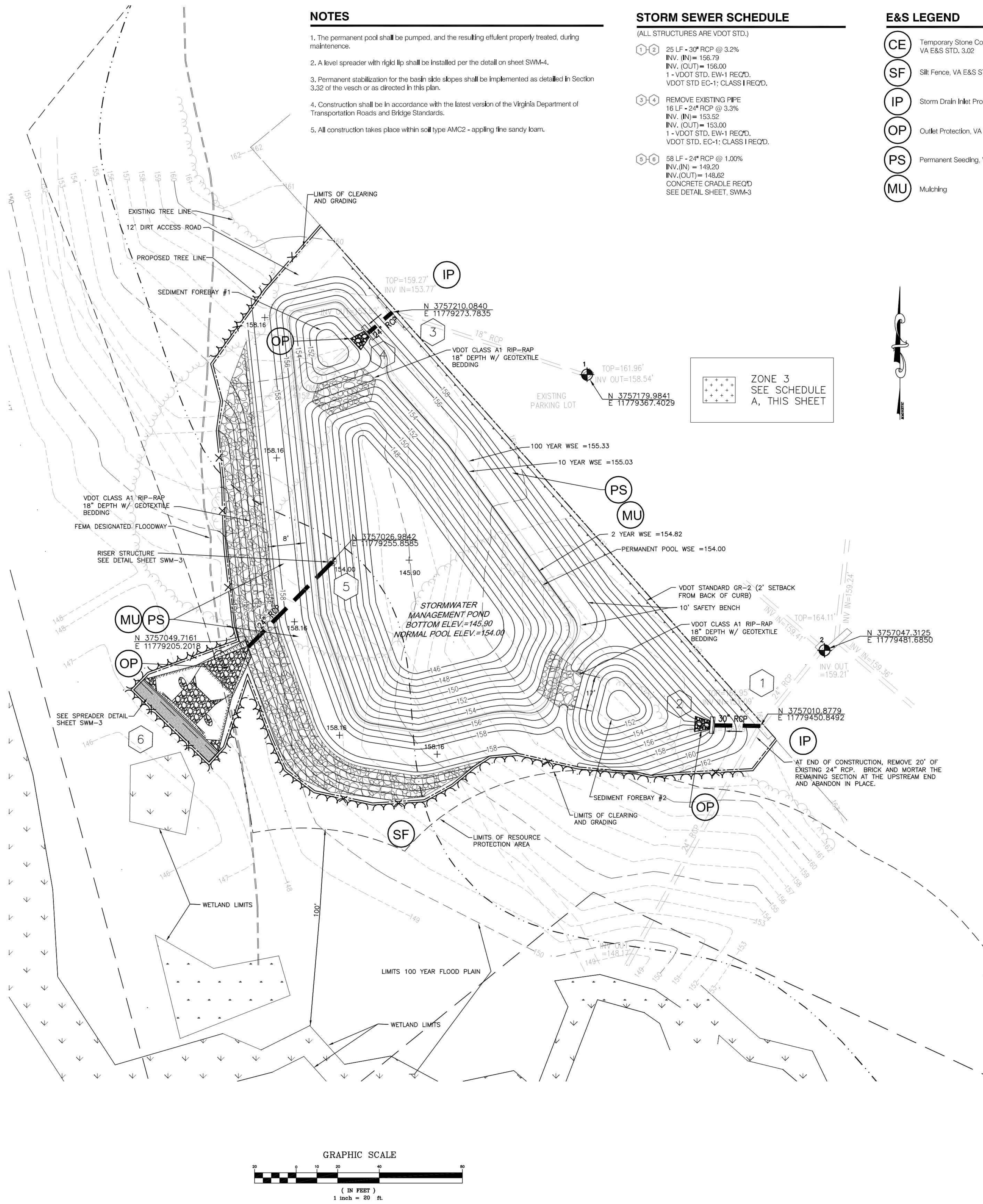
STORM SEWER SCHEDULE

(ALL STRUCTURES ARE VDOT STD.)

- ①-② 25 LF - 30" RCP @ 3.2%
INV. (IN) = 156.79
INV. (OUT) = 156.00
1 - VDOT STD. EW-1 REQ'D.
VDOT STD. EC-1; CLASS I REQ'D.
- ③-④ REMOVE EXISTING PIPE
16 LF - 24" RCP @ 3.3%
INV. (IN) = 153.52
INV. (OUT) = 153.00
1 - VDOT STD. EW-1 REQ'D.
VDOT STD. EC-1; CLASS I REQ'D.
- ⑤-⑥ 58 LF - 24" RCP @ 1.00%
INV. (IN) = 149.20
INV. (OUT) = 148.62
CONCRETE CRADLE REQ'D
SEE DETAIL SHEET, SWM-3

E&S LEGEND

- CE Temporary Stone Construction Entrance
VA E&S STD. 3.02
- SF Silt Fence, VA E&S STD. 3.05
- IP Storm Drain Inlet Protection, VA E&S STD. 3.07
- OP Outlet Protection, VA E&S STD. 3.18
- PS Permanent Seeding, VA E&S STD. 3.32
- MU Mulching



ZONE 3
SEE SCHEDULE
A, THIS SHEET



MARCELLUS WRIGHT COX
ARCHITECTS

A Professional Corporation
401 East Main St.
Richmond, Virginia 23219
804 • 780 • 9067
804 • 780 • 2629 (FAX)

Architecture
Planning
Interior Design



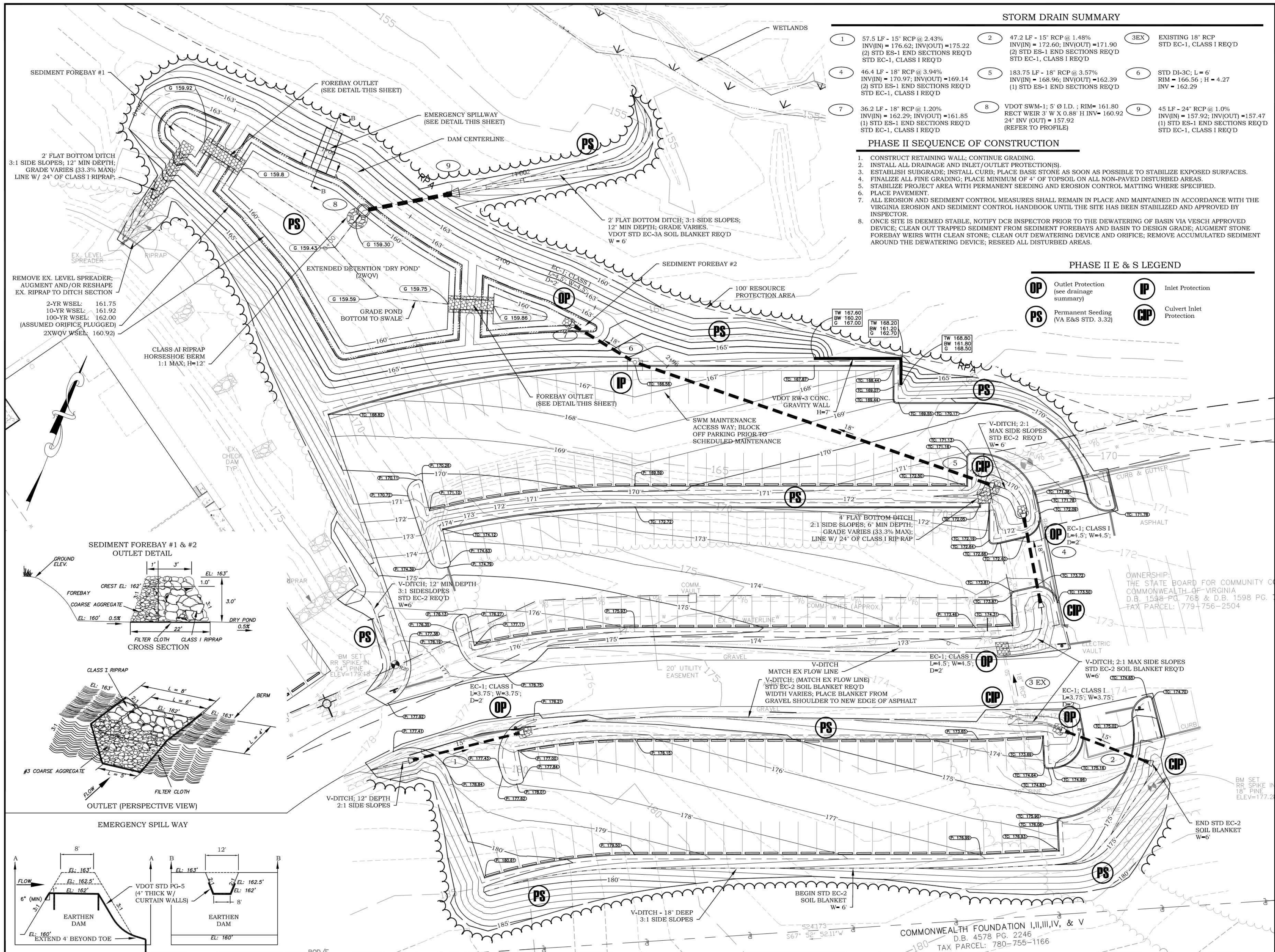
PROJECT TITLE
**J. SARGEANT REYNOLDS
COMMUNITY COLLEGE -
PARHAM ROAD CAMPUS
PHASE IV**
RICHMOND, VIRGINIA
PROJECT CODE: 36-0-16267-02

SHEET TITLE
**POND 1
GRADING PLAN**

DRAWN BY: JRM

REVISIONS		
NO.	DESCRIPTION	DATE
1	Added Sed. Forebay, Increased Elev. of Dam, 4 Maintenance Notes	9-2-05

DATE: 6-2-05 SHEET NUMBER: SWM-2
PROJECT NUMBER: 990



STORM DRAIN SUMMARY

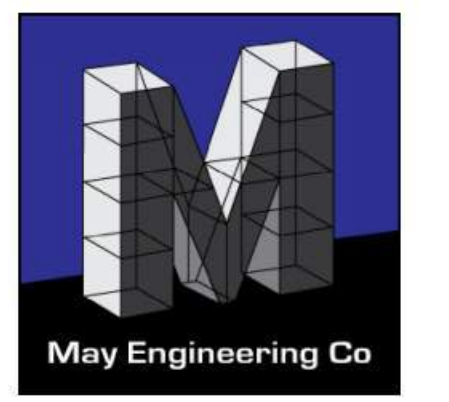
- | | | | | | |
|---|--|---|--|-----|---|
| 1 | 57.5 LF - 15" RCP @ 2.43%
INV(IN) = 176.62; INV(OUT) = 175.22
(2) STD ES-1 END SECTIONS REQ'D
STD EC-1, CLASS I REQ'D | 2 | 47.2 LF - 15" RCP @ 1.48%
INV(IN) = 172.60; INV(OUT) = 171.90
(2) STD ES-1 END SECTIONS REQ'D
STD EC-1, CLASS I REQ'D | 3EX | EXISTING 18" RCP
STD EC-1, CLASS I REQ'D |
| 4 | 46.4 LF - 18" RCP @ 3.94%
INV(IN) = 170.97; INV(OUT) = 169.14
(2) STD ES-1 END SECTIONS REQ'D
STD EC-1, CLASS I REQ'D | 5 | 183.75 LF - 18" RCP @ 3.57%
INV(IN) = 168.96; INV(OUT) = 162.39
(1) STD ES-1 END SECTIONS REQ'D | 6 | STD DI-3C; L = 6'
RIM = 166.56; H = 4.27
INV = 162.29 |
| 7 | 36.2 LF - 18" RCP @ 1.20%
INV(IN) = 162.29; INV(OUT) = 161.85
(1) STD ES-1 END SECTIONS REQ'D
STD EC-1, CLASS I REQ'D | 8 | VDOT SWM-1; 5' Ø I.D.; RIM = 161.80
RECT WEIR 3' W X 0.88' H INV = 160.92
24" INV (OUT) = 157.92
(REFER TO PROFILE) | 9 | 45 LF - 24" RCP @ 1.0%
INV(IN) = 157.92; INV(OUT) = 157.47
(1) STD ES-1 END SECTIONS REQ'D
STD EC-1, CLASS I REQ'D |

PHASE II SEQUENCE OF CONSTRUCTION

- CONSTRUCT RETAINING WALL; CONTINUE GRADING.
- INSTALL ALL DRAINAGE AND INLET/OUTLET PROTECTION(S).
- ESTABLISH SUBGRADE; INSTALL CURB; PLACE BASE STONE AS SOON AS POSSIBLE TO STABILIZE EXPOSED SURFACES.
- FINALIZE ALL FINE GRADING; PLACE MINIMUM OF 4" OF TOPSOIL ON ALL NON-PAVED DISTURBED AREAS.
- STABILIZE PROJECT AREA WITH PERMANENT SEEDING AND EROSION CONTROL MATTING WHERE SPECIFIED.
- PLACE PAVEMENT.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AND MAINTAINED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK UNTIL THE SITE HAS BEEN STABILIZED AND APPROVED BY INSPECTOR.
- ONCE SITE IS DEEMED STABLE, NOTIFY DCR INSPECTOR PRIOR TO THE DEWATERING OF BASIN VIA VESCH APPROVED DEVICE; CLEAN OUT TRAPPED SEDIMENT FROM SEDIMENT FOREBAYS AND BASIN TO DESIGN GRADE; AUGMENT STONE FOREBAY WEIRS WITH CLEAN STONE; CLEAN OUT DEWATERING DEVICE AND ORIFICE; REMOVE ACCUMULATED SEDIMENT AROUND THE DEWATERING DEVICE; RESEED ALL DISTURBED AREAS.

PHASE II E & S LEGEND

- | | | | |
|-----------|---|------------|--------------------------|
| OP | Outlet Protection
(see drainage summary) | IP | Inlet Protection |
| PS | Permanent Seeding
(VA E&S STD. 3.32) | CIP | Culvert Inlet Protection |



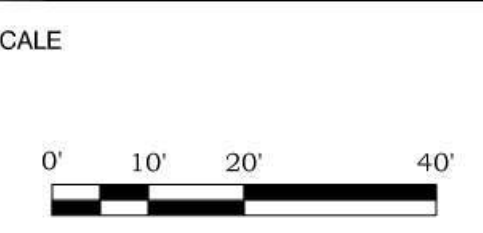
MAY ENGINEERING CO, LLC
5141 CRAIG RATH BLVD
MIDLOTHIAN, VA 23112
PH: 804.307.2361
FAX: 877.812.1131
www.may-eng.com

JSRCC
PARHAM CAMPUS
PARKING LOT

J. SARGENT REYNOLDS COMMUNITY COLLEGE
PARHAM CAMPUS



KEY PLAN



OWNERSHIP:
THE STATE BOARD FOR COMMUNITY COLLEGE
COMMONWEALTH OF VIRGINIA
D.B. 1598 PG. 768 & D.B. 1598 PG. 769
TAX PARCEL: 779-756-2504

No.	DATE	BY	Description
2	12/22/09	BDM	DCR COMMENT
1	08/19/09	BDM	DCR COMMENT

DRAWN BY: DDD
APPROVED BY: BDM
CHECKED BY: BDM
DATE: 5/04/2009

**GRADING,
DRAINAGE &
PHASE II E&S
PLAN**

PROJECT NO. 009-09-003

C-05

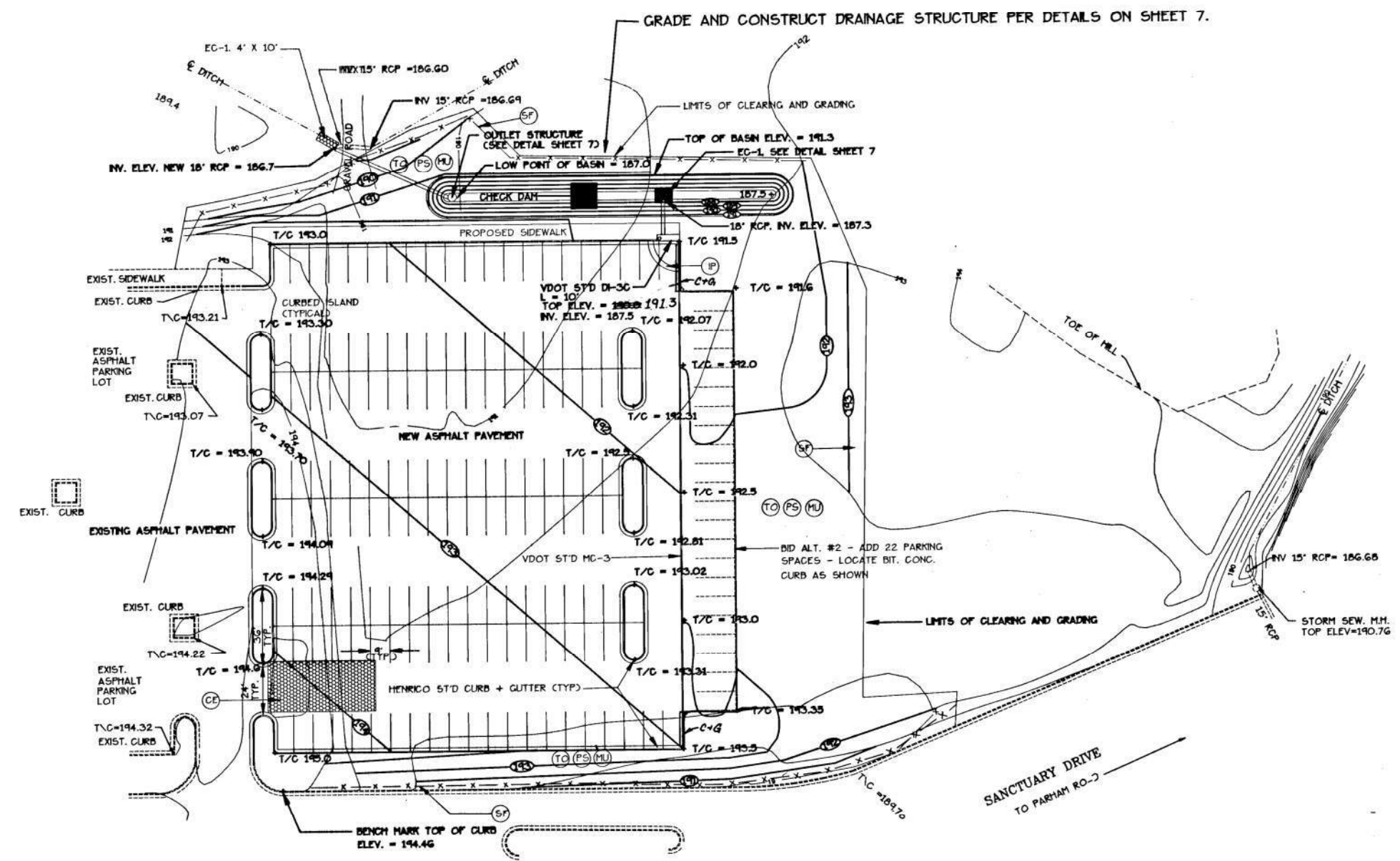
SHEET NO. OF



HULCHER & ASSOCIATES, INC.
 ENGINEERS AND SURVEYORS
 5511 STAPLES MILL ROAD • SUITE 102
 RICHMOND, VIRGINIA 23228
 (804) 262-7622 • FAX: 262-8215

PARKING ADDITION
 J. SARGENT REYNOLDS
 COMMUNITY COLLEGE
 PARHAM ROAD CAMPUS
LAYOUT & GRADING PLAN

REVISIONS: ISSUED FOR BID 11-12-92 As-Built 2-28-94
8/5/92
DATE 3-5-92
DESIGNED BY: BSH/PAS
DRAWN BY: P.A.B.
CHECKED BY: B.S.H.
SCALE: 1"=30'
3 of 9
JN. 9203



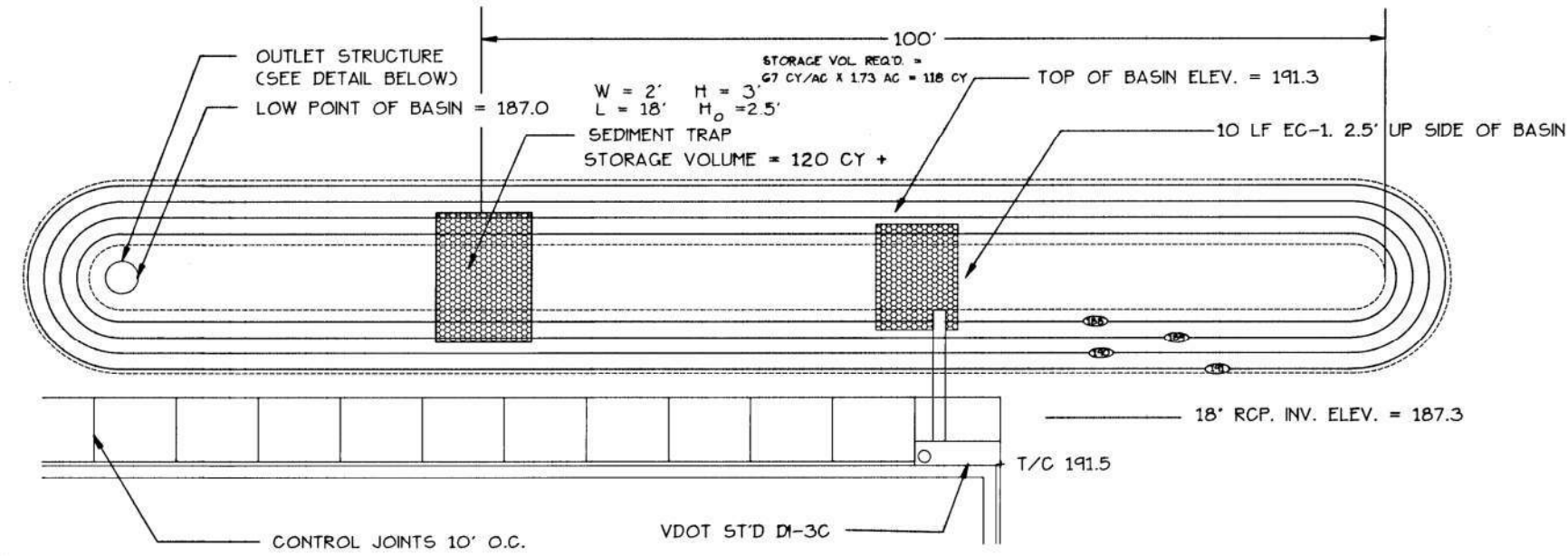
NOTES:
 TYPICAL PARKING SPACE DIMENSIONS - 9' X 18'
 HANDICAPPED PARKING REQUIREMENTS ARE ADDRESSED ELSEWHERE ON-SITE
 TOPSOIL (T), PERMANENT SEEDING (PS), AND MULCH (M), SHALL BE APPLIED TO ALL DISTURBED AREAS.

~~BID ALTERNATE #1 - 150 SPACES~~
 As-Built → BID ALTERNATE #2 - 172 SPACES



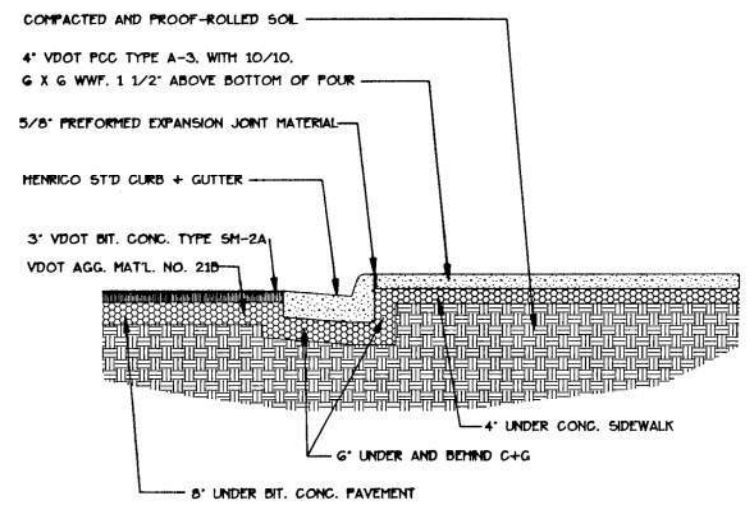


HULCHER & ASSOCIATES, INC.
 ENGINEERS AND SURVEYORS
 5511 STAPLES MILL ROAD • SUITE 102
 RICHMOND, VIRGINIA 23228
 (804) 262-7622 • FAX: 262-8215

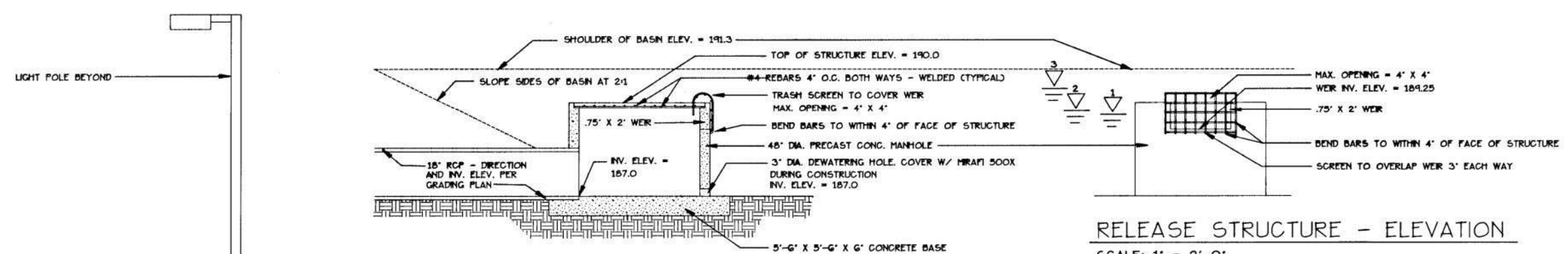


STORMWATER MANAGEMENT STRUCTURE
 SCALE: 1" = 10'

NOTE THIS BASIN IS TO BE INSTALLED PRIOR TO SITE GRADING TO ACT AS A SILT TRAP DURING CONSTRUCTION (TEMPORARY SEED, PROVIDE INLET PROTECTION). AFTER CONSTRUCTION, SILT TRAP IS TO BE CLEANED OF SILT AND OTHER DEBRIS AND LEFT IN PLACE AS AN WATER QUALITY MEASURE.



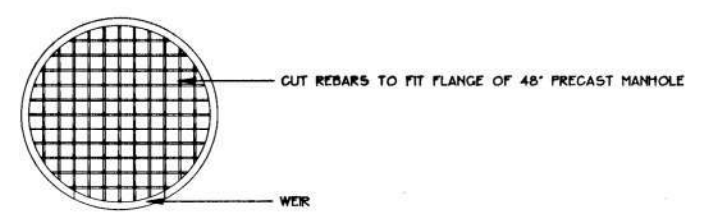
PARKING LOT AND SIDEWALK X-SECTION
 SCALE: 1" = 1'-0"



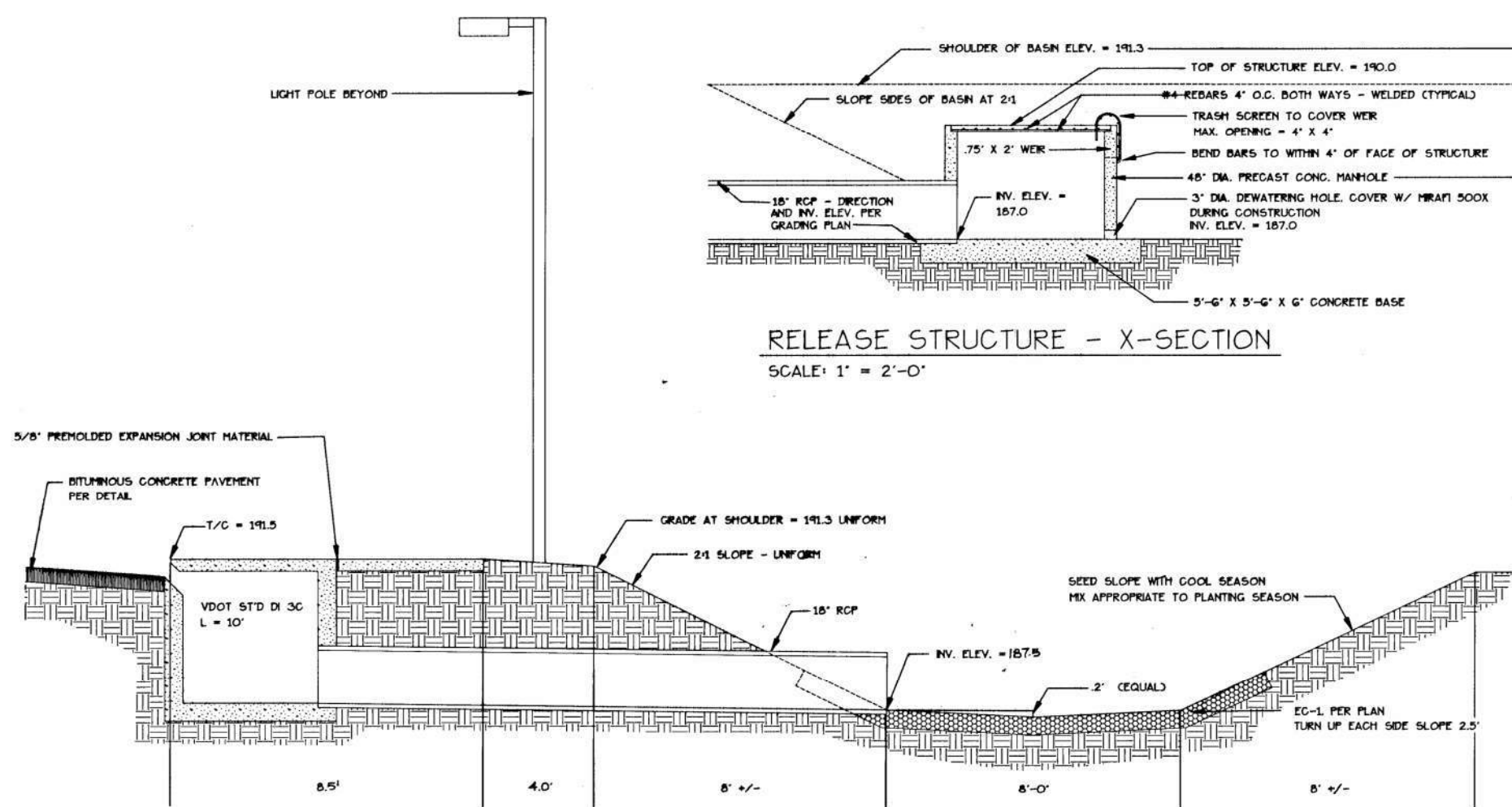
RELEASE STRUCTURE - ELEVATION
 SCALE: 1" = 2'-0"

NOTE:

- 1 WATER SURFACE ELEV. AT Q₂ = 189.76, VOL. STORED = 6000 CF
- 2 WATER SURFACE ELEV. AT Q₁₀ = 189.89, VOL. STORED = 6300 CF
- 3 WATER SURFACE ELEV. AT Q₁₀₀ = 190.50



RELEASE STRUCTURE - PLAN
 SCALE: 1" = 2'-0"



STORMWATER MANAGEMENT STRUCTURE X-SECTION
 SCALE: 1" = 2'-0"

PARKING ADDITION
 J. SARGENT REYNOLDS
 COMMUNITY COLLEGE
 PARHAM ROAD CAMPUS
 NOTES & DETAILS

REVISIONS:
 ISSUED FOR BID
 11-12-92
 REV. PER COMMENTS
 OF SOL + WATER
 CONSERVATION
 4 AUGUST 92
 AS BUILT 2-28-94
 DATE: 6-5-92
 DESIGNED
 BY: BSH/PAS
 DRAWN
 BY: P.A.S.
 CHECKED
 BY: B.S.H.
 SCALE: AS SHOWN

Appendix F

Molly Joseph Ward
Secretary of Natural Resources

Clyde E. Cristman
Director



Rochelle Altholz
Deputy Director of
Administration and Finance

Darryl Glover
Acting Deputy Director of
Soil and Water Conservation
and Dam Safety

Thomas L. Smith
Deputy Director of Operations

COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

Matthew E. Thompson Sr.
1651 E Parham Road
Richmond, VA 23285

12/20/2017

Subject: J. Sargeant Reynolds Parham Campus Nutrient Management Plan Approval

The following nutrient management plan has been reviewed by Chantel Wilson and approved by the Virginia Department of Conservation & Recreation as compliant with the provisions of the Code of Virginia 10.1-104.4. Please note that this plan has not been reviewed for compliance with more restrictive requirements from other specific legislative, regulatory or incentive programs.

Plan Name	Planner	Acres	Start Date	Expiration Date
J. Sargeant Reynolds Parham Campus	Christy F. Smith	3.38	12/14/2017	12/14/2020

A copy of this letter should be kept with your nutrient management plan. Initiation of plan revision is recommended by the Department to occur at least six months prior to the expiration date. If you have any questions concerning this letter or approvals, please contact me via phone or email.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chantel Wilson".

Chantel Wilson
Urban Nutrient Management Specialist
Department of Conservation and Recreation
600 East Main St., 24th Floor
Richmond, Virginia 23219
(804) 887-8917
Chantel.Wilson@dcr.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

Clyde E. Cristman
Director



Rochelle Altholz
Deputy Director of
Administration and Finance

Darryl Glover
Acting Deputy Director of
Soil and Water Conservation
and Dam Safety

Thomas L. Smith
Deputy Director of Operations

COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

Matthew E. Thompson Sr.
1651 E Parham Road
Richmond, VA 23285

1/19/2018

Subject: J. Sargeant Reynolds Parham Athletic Fields Nutrient Management Plan Approval

The following nutrient management plan has been reviewed by Chantel Wilson and approved by the Virginia Department of Conservation & Recreation as compliant with the provisions of the Code of Virginia 10.1-104.4. Please note that this plan has not been reviewed for compliance with more restrictive requirements from other specific legislative, regulatory or incentive programs.

Plan Name	Planner	Acres	Start Date	Expiration Date
J. Sargeant Reynolds Parham Athletic Fields	Christy F. Smith	2.23	12/14/2017	12/14/2020

A copy of this letter should be kept with your nutrient management plan. Initiation of plan revision is recommended by the Department to occur at least six months prior to the expiration date. If you have any questions concerning this letter or approvals, please contact me via phone or email.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chantel Wilson".

Chantel Wilson
Urban Nutrient Management Specialist
Department of Conservation and Recreation
600 East Main St., 24th Floor
Richmond, Virginia 23219
(804) 887-8917
chantel.wilson@dcr.virginia.gov

600 East Main Street, 24th Floor | Richmond, Virginia 23219 | 804-786-6124

*State Parks • Soil and Water Conservation • Outdoor Recreation Planning
Natural Heritage • Dam Safety and Floodplain Management • Land Conservation*