

Colonial Heights MS4 Annual Report 2015

Stormwater Management Program

October 1, 2015

Colonial Heights Department of Public Works
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TABLE OF CONTENTS

Annual Report	page 1
Certification Statement	page 3
Appendix A	Status of Compliance - FY 2015 Goals
Appendix B	SWM\BMP Facility Data
Appendix C	Dry-weather Screening Records
Appendix D	Future Goals - FY 2015
Appendix E	Illicit Discharge Tracking
Appendix F	FY2015 Land Disturbance Data
Appendix G	<i>Simple Method Worksheet</i>
Appendix H	<i>Pollutant Discharge Worksheet</i>
Reference 1	<i>Developing a Stormwater-Friendly Lawn</i>
Reference 2	<i>10 Easy Ways to Conserve Water</i>
Reference 3	<i>Our Hazardous Households</i>
Reference 4	Pet waste initiative
Reference 5	<i>Builder's Guide to Low Impact Development</i>
Reference 6	IDDE Hotline information
Reference 7	Adopt-A-Waterway program information
Reference 8&9	Elementary curriculum and activities
Reference 10	Regulated outfall data
Reference 11	Drainage Subbasins Map
Reference 12	Potential Dischargers database
Reference 13	IDDE information to businesses
Reference 14	Erosion and Sediment Control, Plan Reviewers checklist
Reference 15	Personnel Training Records
Reference 16	Meeting initiation checklist
Reference 17	BMP inspection Form
Reference 18	Stormwater GIS map
Reference 19	Street Sweeping and Oil Antifreeze disposal record
Reference 20	FY14 Annual Activity log
Reference 21	Public Works Facility Potential Discharge Map

a. Background Information

1. Colonial Heights Municipal Separate Storm Sewer System - VA040009
2. This annual report covers the period of July 1, 2014 through June 30, 2015.
3. Per a Consent Special Order issued to the City by the Soil & Water Conservation Board on October 8, 2009, the City hired a MS4 Coordinator on August 6 of 2008 and appointed a Stormwater Forman from existing Department of Public Works (DPW) personnel. These roles and their concurrent responsibilities have not been modified since that time.
4. Zero (0) new municipal outfalls were added during this reporting cycle.
5. Signed certification (see last page of this report)

b. Status of Compliance

As part of the Consent Special Order issued the City, the Soil & Water Conservation Board accepted an MS4 Implementation Plan submitted by Colonial Heights that proposed, detailed and scheduled the BMPs Colonial Heights would implement during the permit period.

Attached as **Appendix A** is an Excel® spreadsheet tracking version of that Plan showing the Fiscal Year 1 BMP goals. Please see that appendix for a complete understanding of the status of compliance of the Colonial Heights permit.

c. Monitoring Data

Attached as **Appendix B** of this report is BMP data for all known BMPs in the City. Type, drainage area, owner information and operation and maintenance (O&M) status is determined for all known BMPs. O&M Inspections are then administered accordingly per this BMP Data Monitoring log.

Attached as **Appendix C** of this report are copies of the illicit discharge and dry-weather screening mechanisms utilized by the City's stormwater program. Paper recordation is used for these as they are conducted in the field.

d. Reporting Cycle 5 - July 1, 2015 through June 30, 2016

Please see **Appendix D** of this report for the next reporting cycle's goals.

e. Minimum Control Measure (MCM) Changes

All MCM change explanations are located in the "**REVISED OR ALTERED**" column of **Appendix A**.

f. Not applicable to VA040009

g. Not applicable to VA040009

h. Estimated discharge information pursuant to Section I B 9 may be found in **Appendix G+H**

i. Illicit Discharge(s) Control

Colonial Heights City Code, per §245 (ORDINANCE NO. 09-1, adopted March 11, 2009), authorizes the Department of Public Works to enforce the prohibition of illicit discharges and illegal connections. Via that ordinance, DPW may determine a deadline by which an illicit discharge must be corrected, and otherwise may correct the situation itself at the sole cost of the responsible party and/or land owner. Civil and criminal penalties are prescribed for willful, knowing violations.

In conjunction with the passage of this ordinance, an illicit discharge hotline was established during the first reporting year. See **Appendix E** for an explanation of the recorded incidents for this reporting period. In conjunction with these, **Appendix E**

j. **Regulated Land Disturbing Activities**

Attached as **Appendix F** is the regulated land disturbing activity data for this reporting cycle. The data reflects the information as compiled in the land disturbance activity reports as sent monthly to DCR.

k. **Stormwater Management Facility Data**

Attached as **Appendix B** is an Excel® spreadsheet containing data for all the stormwater management facilities in the City. All of the facilities for which Maintenance Agreements exist are inspected, per the terms of the agreements, by a Professional Engineer on a two-year cycle. Note that this is a change from the three-year frequency as before required, increased in an effort to ensure BMP design performance. Copies of archived Maintenance Inspection Records are archived with the City's DPW-Engineering Division personnel.

l. **Maintenance Agreements**

Maintenance Agreements for all of the structural stormwater facilities as noted in Section K exist between the City and the respective private entity. The agreements require the owner to have operations and maintenance inspections conducted by a professional engineer on a two-year schedule. The owner is then responsible for documenting the results of that report with the City, via a completed Operation and Maintenance Inspection Record, and is responsible for any necessary repairs. An example Operation and Maintenance Record is provided in **Appendix B**.

m. Not applicable during this reporting cycle

Municipal Separate Storm Sewer System (MS4) Phase II Report Certification Statement

As required by 9VAC25-870-370 B, all reports required by state permits, and other information requested by the board, shall be signed by a responsible official or by a duly authorized representative of that person. A responsible official is:

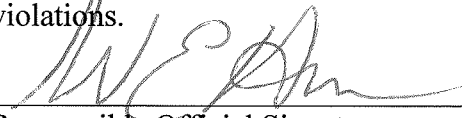
1. *For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;*
2. *For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or*
3. *For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.*

A person is a duly authorized representative only if:

1. *The authorization is made in writing by a person described above;*
2. *The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and*
3. *The written authorization is submitted to the department.*

CERTIFICATION

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


Responsible Official Signature

10-20-15
Date

VA040009 City of Colonial Heights, Virginia
Permit Number MS4 Name

DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:42 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-001</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Slight ponding due to silt buildup.

REPORTER SIGNATURE: Jeremy D Moore

DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/18/15

TIME: 10:20 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-002</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☒ Collapsed pipe ☒ Roots\brush ☒ Earth\sediment ☒ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☒ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 10:24 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-003</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☒ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☒ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Ponding water due to sand/silt buildup. Need excavator to clean out area because of steep slope.

REPORTER SIGNATURE: _____

Jeremy D Moore



DATE: 6/15/14

TIME: 10:13 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-004</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☐ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/18/15

TIME: 8:50 ☒ AM ☐ PM

FILED BY: A. J. Covington

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-005</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

DATE: 6/8/15

TIME: 11:05 ☒ AM ☐ PM

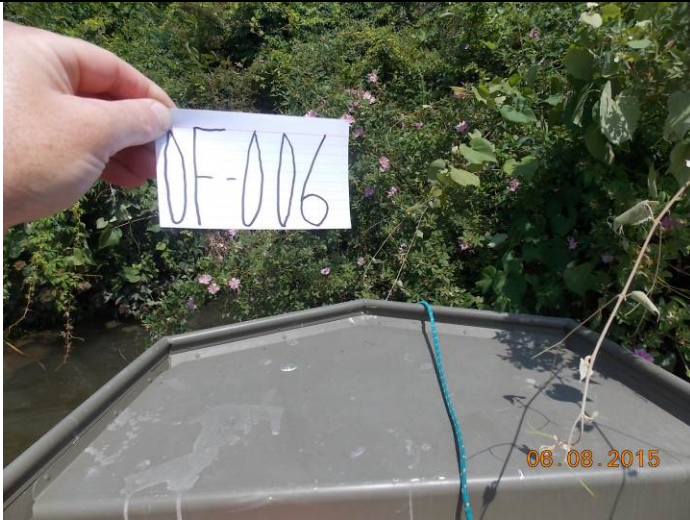
FILED BY: A. J. Covington

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-006</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry ☒ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: <u><1</u> inches <u> </u> feet Approximate depth of flow: <u><1</u> inches <u> </u> feet Approximate flow rate: <u><1</u> feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Pipe submerged

REPORTER SIGNATURE: a.j. Covington



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 8:46 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-007</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☐ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☒ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: __ inches __ feet
	Approximate depth of flow: __ inches ____ feet
	Approximate flow rate: __ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Ponding Water

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/18/15

TIME: 10:55 ☒ AM ☐ PM

FILED BY: A. J. Covington

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-008</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____	
	Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/1/15

TIME: 1:10 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-009</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☐ Stabilized embankment ☒ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second
- REPORT SUMMARY CHARACTERIZATION -	
☒ Unlikely Illicit Discharge ☐ Suspected Illicit Discharge ☐ Obvious Illicit Discharge	
	Photographic Documentation of Outfall <u>Must</u> be Attached to Complete Report
ADDITIONAL NOTES:	

_____ Erosion _____	

REPORTER SIGNATURE: _____

Jeremy D Moore



DATE: 4/13/15

TIME: 1:46 ☐ AM ☒ PM

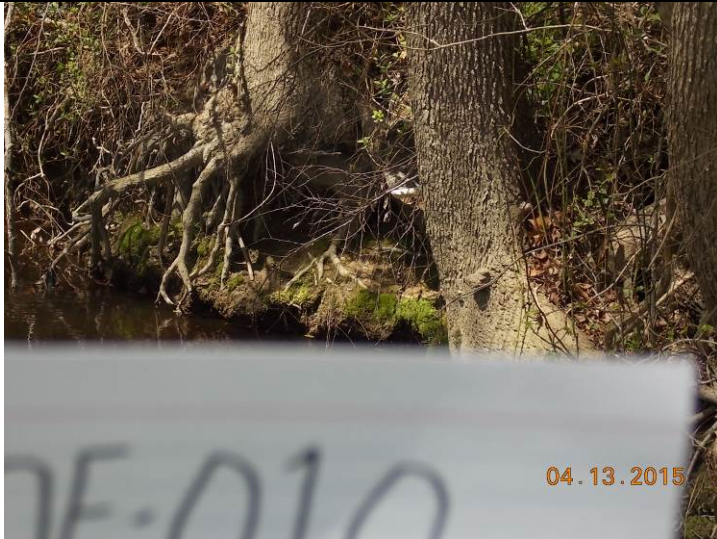
FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-010</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry ☐ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches ___ feet Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 12:51 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-011</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (gas) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☒ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☒ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: <u> 6 </u> inches <u> </u> feet
	Approximate depth of flow: <u> <1 </u> inches <u> </u> feet
	Approximate flow rate: <u> 1 </u> feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Water Test Performed

Jeremy D Moore

REPORTER SIGNATURE: _____



DATE: 6/15/15

TIME: 9:07 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-012</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:00 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-013</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/15/15

TIME: 9:15 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-014</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☐ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:03 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-015</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 2:10 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-016</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☐ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☐ Normal ☐ Oily sheen\film ☒ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:10 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-017</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry ☐ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches ____ feet Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Jeremy D Moore

REPORTER SIGNATURE: _____



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:51 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-018</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry ☐ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ____ inches ____ feet Approximate depth of flow: ____ inches ____ feet Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:54 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -			
OUTFALL ID: <u>OF-019</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)		PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)			
- OUTFALL OBSERVATIONS -			
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction			
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth			
- ILLICIT DISCHARGE INDICATORS -			
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____		
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____		
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____		

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/18/15

TIME: 9:17 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-020</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DATE: 4/13/15

TIME: 1:59 ☐ AM ☒ PM

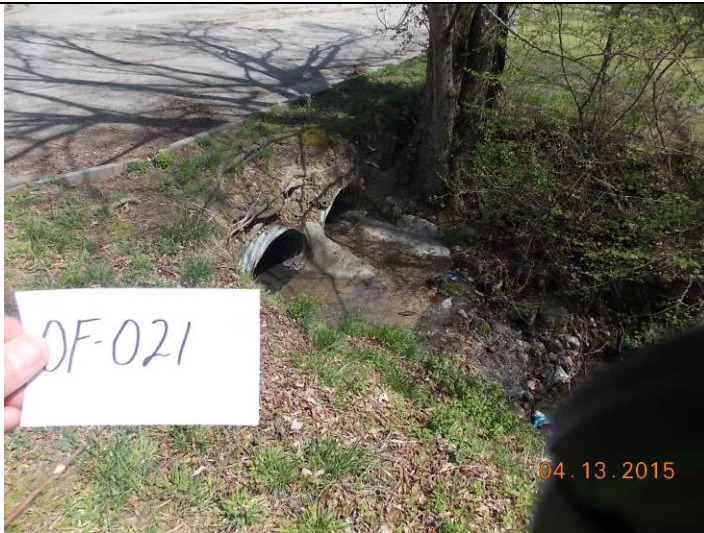
FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-021</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry ☒ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches ___ feet Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



**Photographic Documentation
of Outfall Must be Attached to
Complete Report**

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/15/15

TIME: 10:22 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-022</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

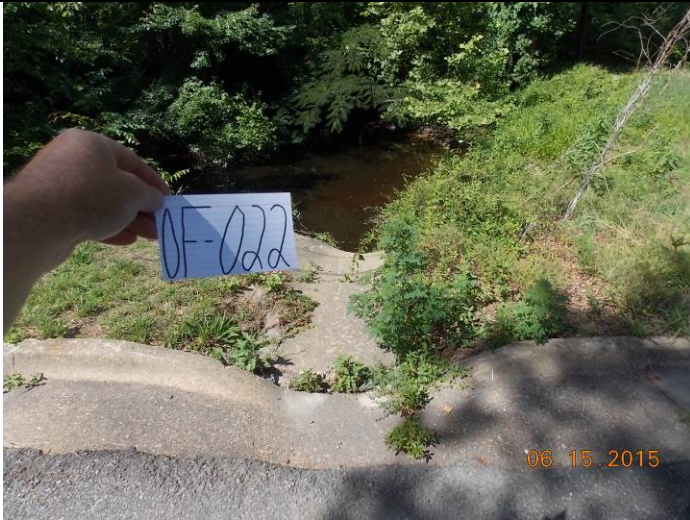
FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/18/15

TIME: 9:26 ☒ AM ☐ PM

FILED BY: A. J. Covington

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-023</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☒ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: <u><2</u> inches <u> </u> feet
	Approximate depth of flow: <u><1</u> inches <u> </u> feet
	Approximate flow rate: <u><1</u> feet per second
- REPORT SUMMARY CHARACTERIZATION -	
☒ Unlikely Illicit Discharge ☐ Suspected Illicit Discharge ☐ Obvious Illicit Discharge	
 Photographic Documentation of Outfall <u>Must</u> be Attached to Complete Report	
ADDITIONAL NOTES:	
Water Test Performed	

REPORTER SIGNATURE: a.j. Corington



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/17/15

TIME: 10:06 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-024</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☒ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: <u> 3 </u> inches <u> </u> feet
	Approximate depth of flow: <u> <2 </u> inches <u> </u> feet
	Approximate flow rate: <u> <2 </u> feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Water Test Performed

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 3/31/15

TIME: 11:04 ☒ AM ☐ PM

FILED BY: A. J. Covington

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-037</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches _____ feet Approximate flow rate: ___ feet per second
- REPORT SUMMARY CHARACTERIZATION -	
☒ Unlikely Illicit Discharge ☐ Suspected Illicit Discharge ☐ Obvious Illicit Discharge	
	Photographic Documentation of Outfall <u>Must</u> be Attached to Complete Report
ADDITIONAL NOTES: 	

REPORTER SIGNATURE: a.j. Covington



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/15/15

TIME: 9:30 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-026</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:18 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-027</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/11/15

TIME: 10:22 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-028</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

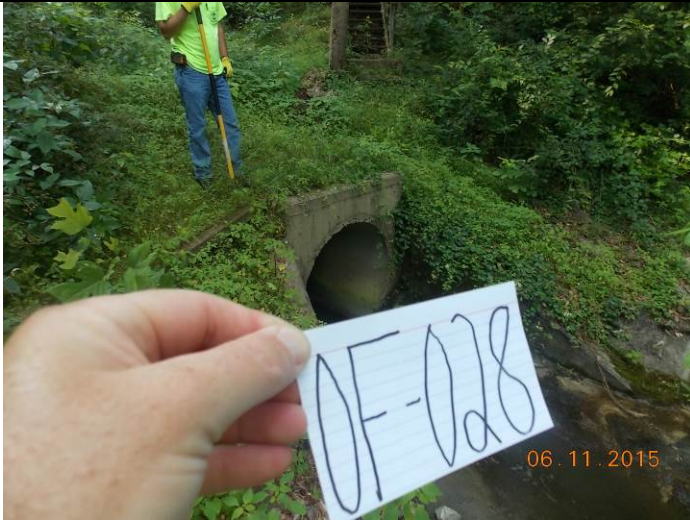
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/11/15

TIME: 10:47 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-029</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☐ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☒ Other: <u>Chlorine</u>	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☐ Unlikely Illicit Discharge

☒ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Possible Pool Water

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

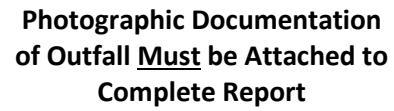
DATE: 6/8/15

TIME: 10:30 ☒ AM ☐ PM

FILED BY: A. J. Covington

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-030</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☐ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

Approximate flow rate: ____ feet per second

☐ Obvious Illicit Discharge

a. j. Conington



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 10:51 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-031</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (gas) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 8:27 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-032</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

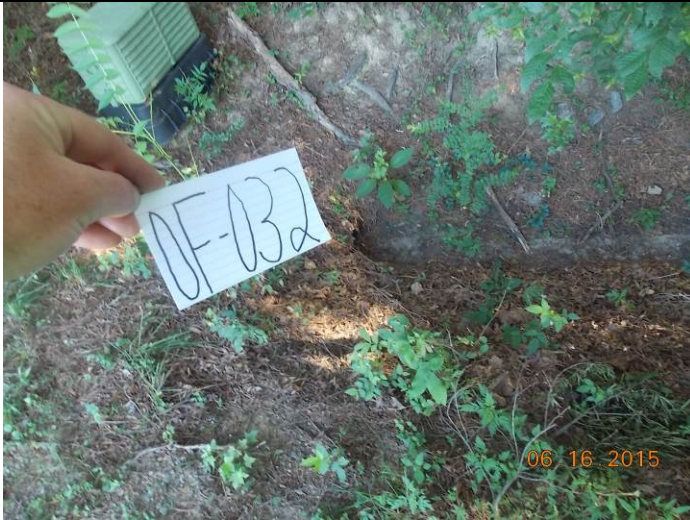
FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DATE: 6/16/15

TIME: 8:30 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-033</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second
- REPORT SUMMARY CHARACTERIZATION -	
☒ Unlikely Illicit Discharge ☐ Suspected Illicit Discharge ☐ Obvious Illicit Discharge	
	Photographic Documentation of Outfall <u>Must</u> be Attached to Complete Report
ADDITIONAL NOTES:	

REPORTER SIGNATURE: Jeremy D Moore



DATE: 4/13/15

TIME: 10:36 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-034</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 10:40 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-035</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/12/15

TIME: 9:59 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-036</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

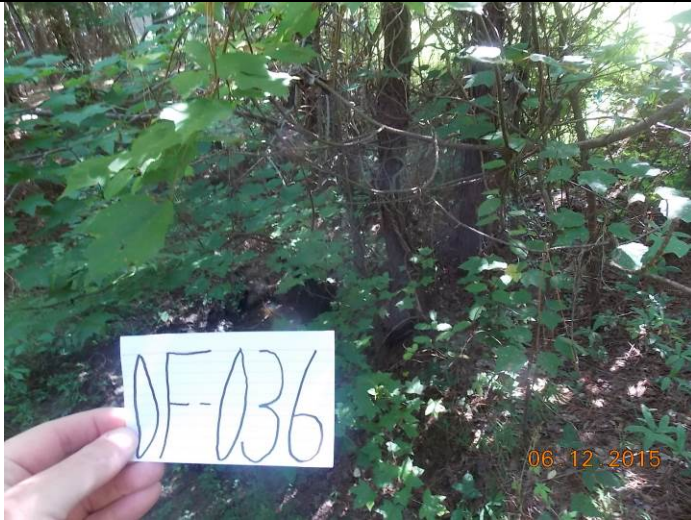
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



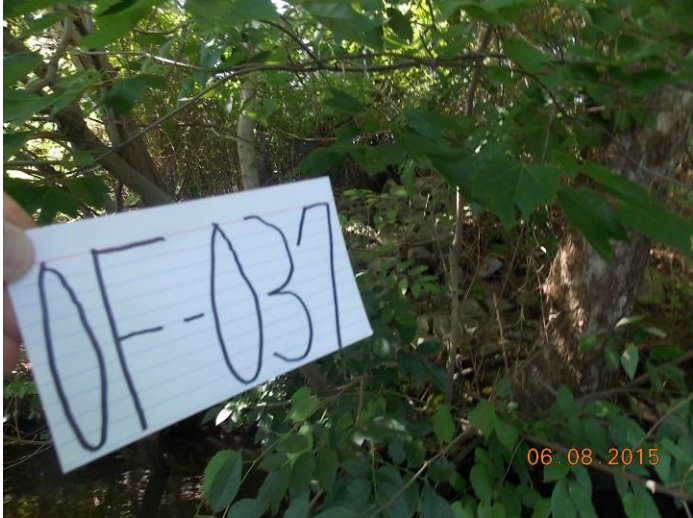
DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/8/15

TIME: 10:45 ☒ AM ☐ PM

FILED BY: A. J. Covington

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-037</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry ☐ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches ___ feet Approximate flow rate: ___ feet per second		
	- REPORT SUMMARY CHARACTERIZATION -		
☒ Unlikely Illicit Discharge ☐ Suspected Illicit Discharge ☐ Obvious Illicit Discharge			
		Photographic Documentation of Outfall <u>Must</u> be Attached to Complete Report	
ADDITIONAL NOTES: 			

REPORTER SIGNATURE: _____



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:15 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-038</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/15/15

TIME: 9:38 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-039</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☒ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☒ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (gas) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 8:57 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-040</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry ☐ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: __ inches __ feet Approximate depth of flow: __ inches ____ feet Approximate flow rate: __ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/10/15

TIME: 2:13 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-041</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

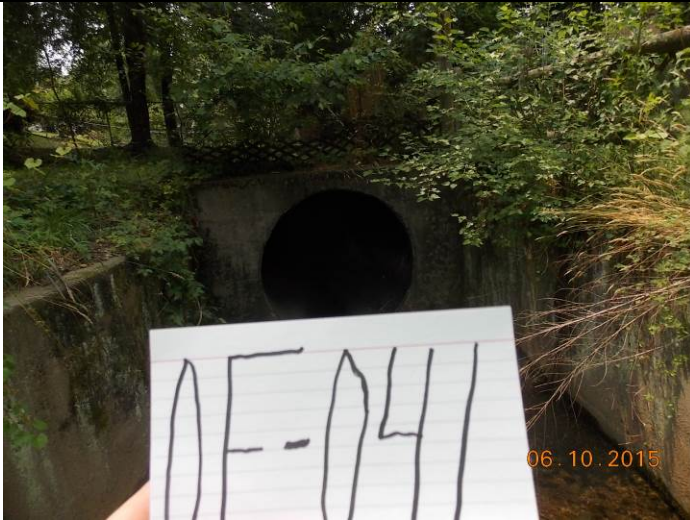
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 9:14 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-042</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☒ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (gas) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry ☐ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: _____ inches _____ feet Approximate depth of flow: _____ inches _____ feet Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/17/15

TIME: 9:39 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-043</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☐ None ☒ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☒ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ 4 feet
	Approximate depth of flow: ___ <1 inches ___ feet
	Approximate flow rate: ___ <1 feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Water Test Performed

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 10:00 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-044</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: __ inches __ feet
	Approximate depth of flow: __ inches ____ feet
	Approximate flow rate: __ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Ponding water

REPORTER SIGNATURE: Jeremy D Moore



DATE: 6/10/15

TIME: 2:27 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-045</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☒ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

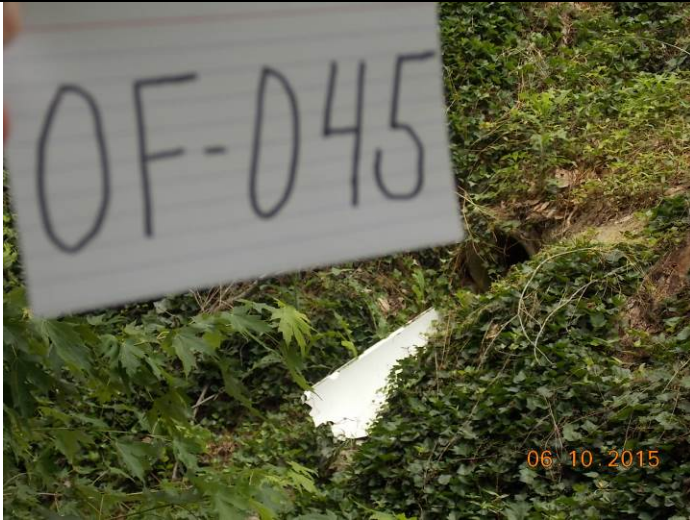
FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: __ inches __ feet
	Approximate depth of flow: __ inches _____ feet
	Approximate flow rate: __ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DATE: 6/1/15

TIME: 12:47 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-046</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☒ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Residents blocked outfall with limbs and other debris: Steep bank need excavator to clean out

REPORTER SIGNATURE: Jeremy D Moore

DATE: 6/1/15

TIME: 12:59 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-047</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 9:00 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-048</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

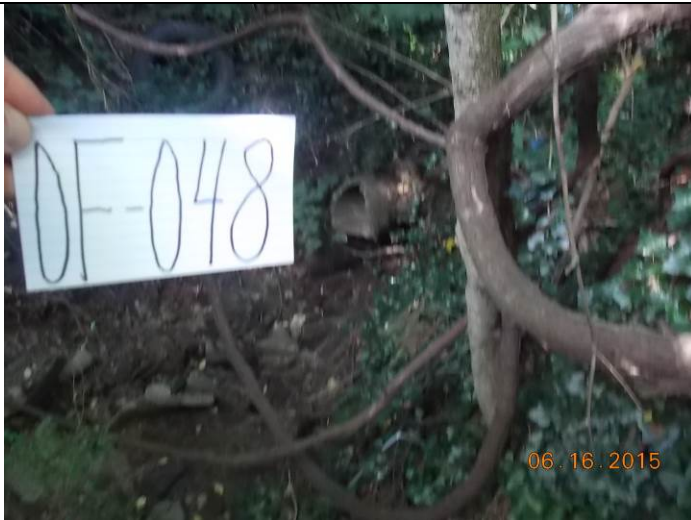
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: __ inches __ feet
	Approximate depth of flow: __ inches ____ feet
	Approximate flow rate: __ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 1:47 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-049</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/17/15

TIME: 10:48 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-050</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

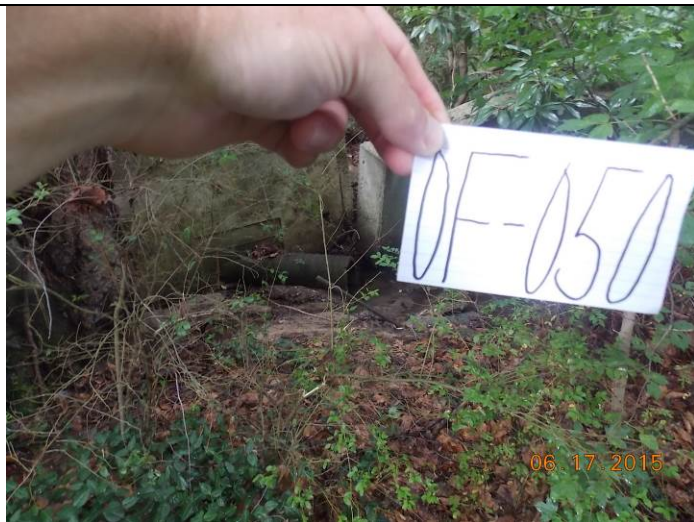
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 10:11 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-051</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/1/15

TIME: 10:39 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-052</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/1/15

TIME: 10:45 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-053</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Jeremy D Moore

REPORTER SIGNATURE: _____



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/1/15

TIME: 10:52 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-054</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

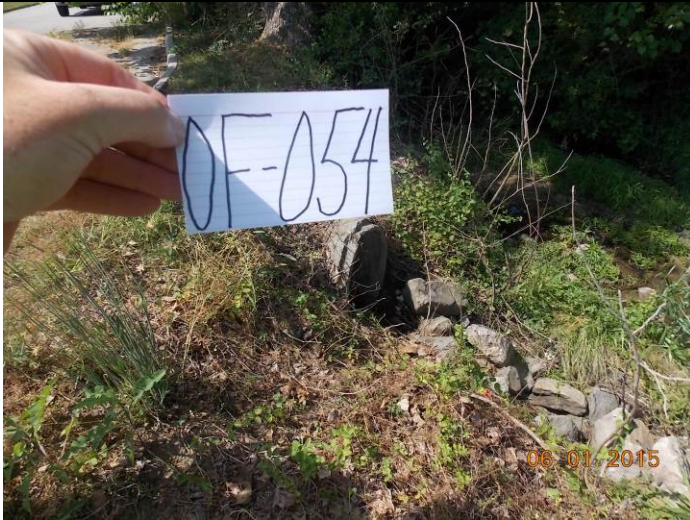
FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DATE: 4/13/15

TIME: 9:29 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-055</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☒ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Pipe partially blocked with leaves & grass clippings.

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 8:18 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-056</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/11/15

TIME: 10:02 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-057</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/1/15

TIME: 2:11 ☐ AM ☒ PM

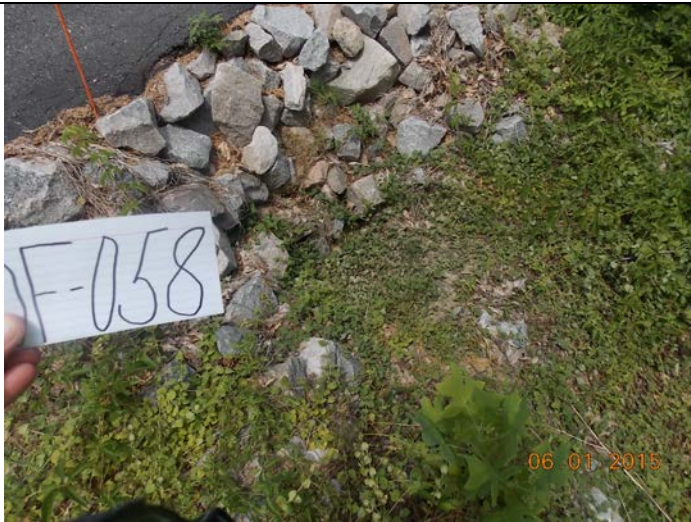
FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-058</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☒ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/11/15

TIME: 10:44 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-059</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 1:28 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-060</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 5/13/15

TIME: 1:06 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-061</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/15/15

TIME: 10:56 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-062</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☒ Commercial ☐ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/17/15

TIME: 9:52 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-063</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

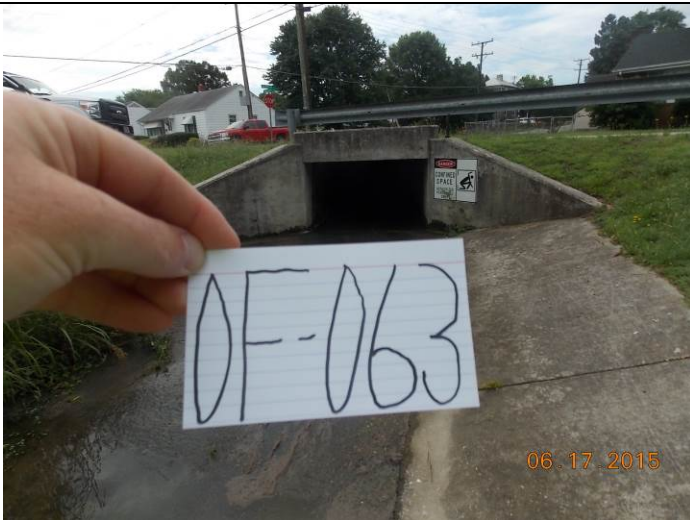
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☒ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___4> feet
	Approximate depth of flow: <1 inches _____ feet
	Approximate flow rate: <1 feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Water Test Performed

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/17/15

TIME: 9:51 ☒ AM ☐ PM

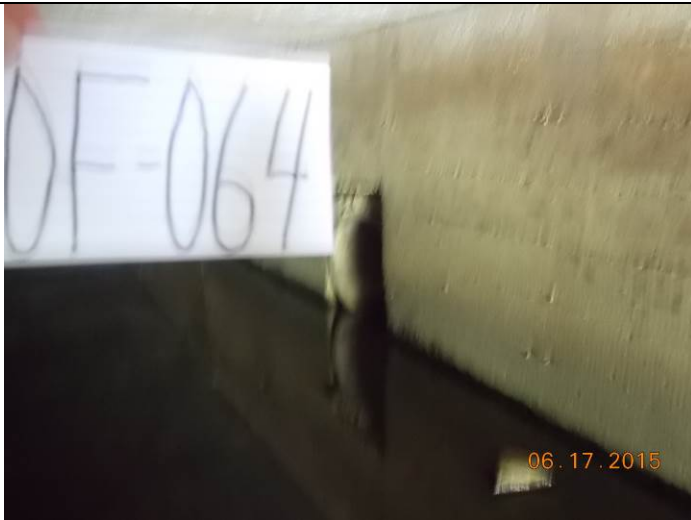
FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-064</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry ☒ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches ___ feet Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DATE: 6/1/15

TIME: 11:11 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-066</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DATE: 6/12/15

TIME: 9:40 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-067</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☒ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches _____ feet Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/12/15

TIME: 9:35 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-068</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☒ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☒ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (gas) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/10/15

TIME: 1:09 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-070</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

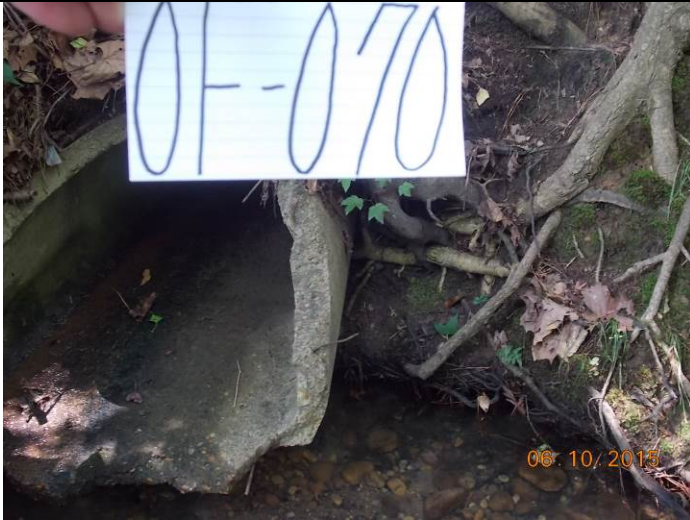
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/10/15

TIME: 1:28 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-071</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/10/15

TIME: 1:38 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-072</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/1/15

TIME: 2:16 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-073</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

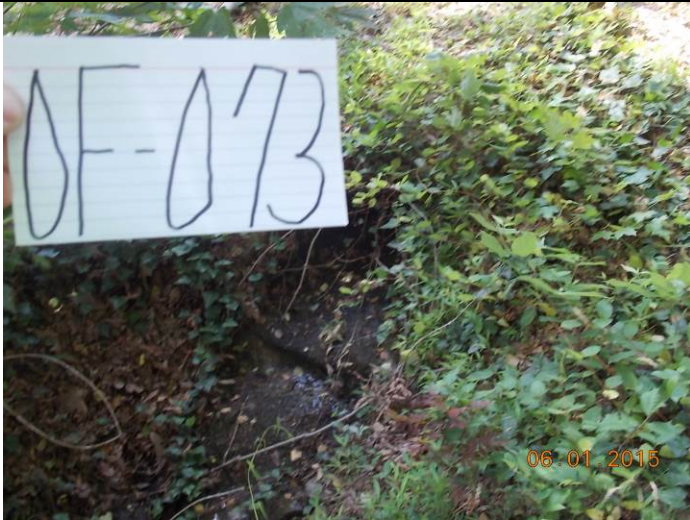
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 9:47 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-075</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

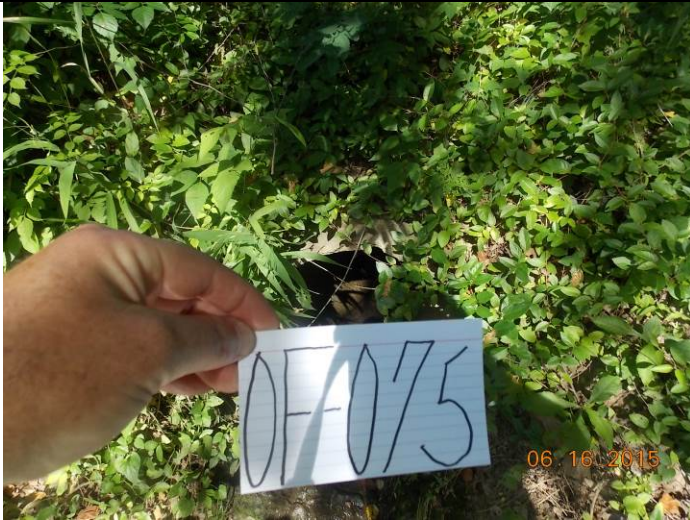
FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/10/15

TIME: 1:54 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-076</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches ___ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Possible Water Leak

REPORTER SIGNATURE: Jeremy D Moore



DATE: 3/31/15

TIME: 10:49 ☒ AM ☐ PM

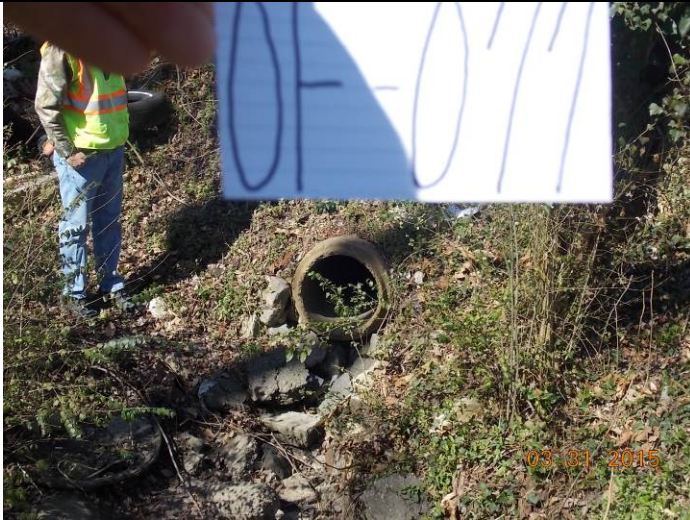
FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-077</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
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Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 9:12 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-078</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☐ Earth\sediment ☒ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (gas) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☒ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: <u>>6</u> inches <u> </u> feet
	Approximate depth of flow: <u>>1</u> inches <u> </u> feet
	Approximate flow rate: <u>>1</u> feet per second
- REPORT SUMMARY CHARACTERIZATION -	
☒ Unlikely Illicit Discharge ☐ Suspected Illicit Discharge ☐ Obvious Illicit Discharge	
	Photographic Documentation of Outfall <u>Must</u> be Attached to Complete Report
ADDITIONAL NOTES:	
Water Test Performed	

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 9:18 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-079</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry ☒ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ____ inches ____ feet Approximate depth of flow: ____ inches ____ feet Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
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Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DATE: 4/13/15

TIME: 9:20 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-080</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: _____ inches _____ feet Approximate depth of flow: _____ inches _____ feet Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
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Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 9:23 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-081</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Ponding due to silt buildup.

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 3/31/15

TIME: 10:12 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-082</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry ☒ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches _____ feet Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 3/31/15

TIME: 10:20 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-083</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Resident put logs/brush over fence in front of outfall. Silt build up due to tree roots.

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 3/31/15

TIME: 10:25 ☒ AM ☐ PM

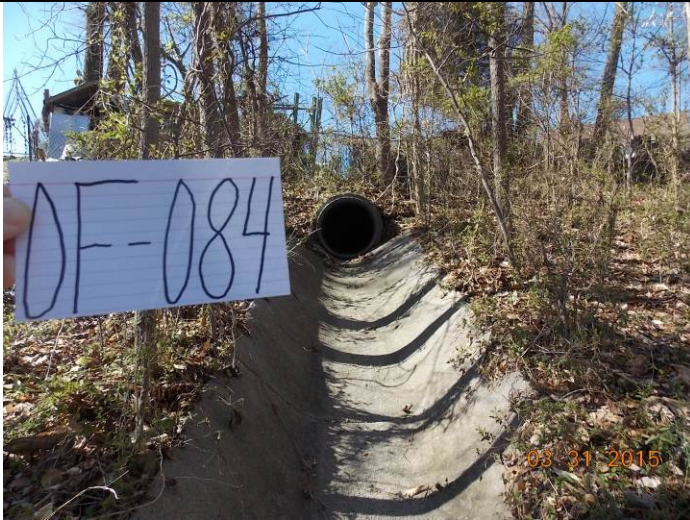
FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-084</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
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Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DATE: 3/31/15

TIME: 2:08 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-085</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ____ inches ____ feet
	Approximate depth of flow: ____ inches ____ feet
	Approximate flow rate: ____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Ponding Water: outfall in marsh land.

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 4/13/15

TIME: 9:52 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-086</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☐ JA40 (<i>Appomattox River I and II</i>) ☒ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☒ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____	
APPEARANCE	Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry ☒ 2 - No visible flow\interior conditions are moist or damp ☐ 3 - Visible flow
	Flow Estimates: Width of flow surface: ___ inches ___ feet Approximate depth of flow: ___ inches ___ feet Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge
 ☐ Suspected Illicit Discharge
 ☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Ponding

REPORTER SIGNATURE: _____

Jeremy D Moore



DATE: 5/13/15

TIME: 2:26 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-088</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☒ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 5/13/15

TIME: 2:11 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-090</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☒ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☐ No obstruction		
PIPE SITUATION ▼ ☐ Stabilized embankment ☒ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: ___ inches ___ feet
	Approximate depth of flow: ___ inches _____ feet
	Approximate flow rate: ___ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Uprooted tree at end of pipe ; hard to access.

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 5/13/15

TIME: 2:01 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-091</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☒ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☐ Stabilized embankment ☒ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☐ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☒ Other: <u>Stagnant Water</u> Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☒ 1 - No flow\interior conditions are dry
	☐ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge	☐ Suspected Illicit Discharge	☐ Obvious Illicit Discharge
--	--	--



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

Bell end of pipe collapsed due to erosion

REPORTER SIGNATURE: Jeremy D Moore

DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/12/15

TIME: 10:12 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-092</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☐ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

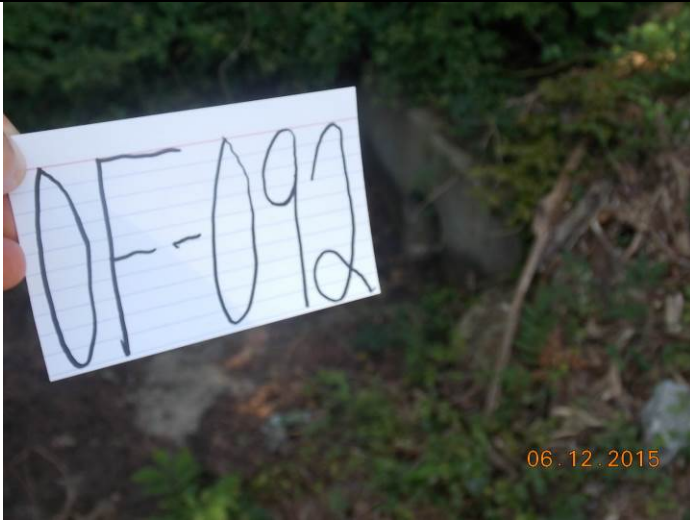
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: __ inches __ feet
	Approximate depth of flow: __ inches ____ feet
	Approximate flow rate: __ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 5/13/15

TIME: 1:14 ☐ AM ☒ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-093</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☒ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☐ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☐ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☒ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
	☒ 2 - No visible flow\interior conditions are moist or damp
	☐ 3 - Visible flow
	Flow Estimates:
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	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/16/15

TIME: 8:06 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-094</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☐ < 2 days ☒ > 2 days Estimated Amount: ☒ < 0.5 inches ☐ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>)	PROXIMITY TO WATERCOURSE ▼ ☐ Corridor (<i>In or adjacent to watercourse</i>) ☒ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☐ In\Near watercourse ☒ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
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	☐ 3 - Visible flow
	Flow Estimates:
	Width of flow surface: _____ inches _____ feet
	Approximate depth of flow: _____ inches _____ feet
	Approximate flow rate: _____ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: Jeremy D Moore



DRY-WEATHER FIELD REPORT
STORMWATER MANAGEMENT PROGRAM
CITY OF COLONIAL HEIGHTS, VIRGINIA

DATE: 6/8/15

TIME: 11:20 ☒ AM ☐ PM

FILED BY: Jeremy Moore

- ENVIRONMENTAL INFORMATION -		
OUTFALL ID: <u>OF-096</u> MOST RECENT RAIN EVENT ▼ Time Lapse: ☒ < 2 days ☐ > 2 days Estimated Amount: ☐ < 0.5 inches ☒ > 0.5 inches	HYDROLOGIC UNIT CODE (HUC) ▼ ☒ JA40 (<i>Appomattox River I and II</i>) ☐ JA44 (<i>Swift Creek, Old Town Creek</i>) ☐ JA-J (<i>Fleets Branch</i>)	PROXIMITY TO WATERCOURSE ▼ ☒ Corridor (<i>In or adjacent to watercourse</i>) ☐ Upland (<i>Not adjacent to watercourse</i>) ☐ Tributary (<i>In or near basin, wetland, etc.</i>)
SURROUNDING LAND USE(S) ▼ ☐ Industrial ☐ Commercial ☒ Residential ☐ Institutional ☒ Open space (<i>check all that apply</i>)		
- OUTFALL OBSERVATIONS -		
PIPE OBSTRUCTIONS ▼ ☐ Collapsed pipe ☐ Roots\brush ☐ Earth\sediment ☐ Rock\rubble ☒ No obstruction		
PIPE SITUATION ▼ ☒ Stabilized embankment ☐ Eroded embankment ☐ On\In concrete structure ☒ In\Near watercourse ☐ Upland area\away from watercourse ☒ Maintained earth		
- ILLICIT DISCHARGE INDICATORS -		
ODOR	☒ None (<i>no detectable scent</i>) ☐ Sewage ☐ Rancid\Sour\Pungent ☐ Sulfide (<i>rotten eggs</i>) ☐ Natural gas ☐ Petroleum (<i>gas</i>) ☐ Other: _____	
APPEARANCE	☒ Normal ☐ Oily sheen\film ☐ Cloudy ☐ Suds ☐ Colored (<i>describe</i>): _____ ☐ Other: _____ Deposits\Stains: ☐ Oily ☐ Paint ☐ Flow line ☐ Other (<i>describe</i>): _____	
FLOATABLES	☒ None ☐ Algae ☐ Dead fish ☐ Suspended solids ☐ Sewage ☐ Other: _____	

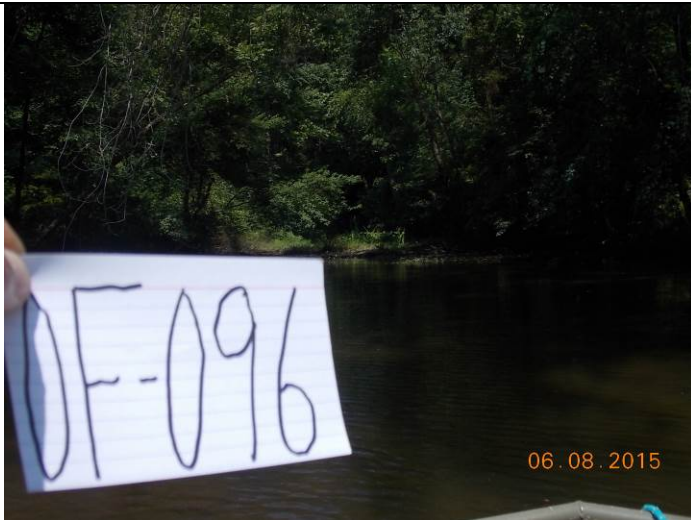
FLOW CONDITIONS	☐ 1 - No flow\interior conditions are dry
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	Flow Estimates:
	Width of flow surface: __ inches __ feet
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	Approximate flow rate: __ feet per second

- REPORT SUMMARY CHARACTERIZATION -

☒ Unlikely Illicit Discharge

☐ Suspected Illicit Discharge

☐ Obvious Illicit Discharge



Photographic Documentation
of Outfall Must be Attached to
Complete Report

ADDITIONAL NOTES:

REPORTER SIGNATURE: _____

Jeremy D Moore



2014-2018

Virginia Stormwater Management Program

Appendix B MS4 Program Implementation Plan

Colonial Heights, Virginia

March, 2013

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#1: Public Education and Outreach on Stormwater Impacts	1.1. Public Outreach/ Education for Homeowners	1.1.1. Lawn and Garden Activities	Information will be Included in <i>The City Focus</i> addressing appropriate landscape design, efficient irrigation, use of mulches, fertilizers, and pesticides. The City Focus is a City wide newsletter published in January, May, July and October.	Information on landscape design and fertilizer to be provided in May of each year. Information on mulch and efficient irrigation to be provided in May. Information on pesticides to be provided in July. <i>Use of harmful pesticides and fertilizers will be minimized by educating how water conservation techniques will be provided to homeowners.</i>	Q4	Q4	Q4	Q4	Q4	MS4 Coordinator	- Horticulturist - Web Administrator - Executive Assistant	Publish in Spring 2014 issue of the City's periodic newsletter and annually thereafter and city website
#1: Public Education and Outreach on Stormwater Impacts	1.1. Public Outreach/ Education for Homeowners	1.1.2. Water Conservation Practices for Homeowners	Provide information on city website and in <i>The City Focus</i> to advise public about water conservation practices. Provide links on City website to organizations that promote conservation practices.	Information to be provided in the Spring of each year and as necessary in drought conditions. <i>Water conservation techniques will be identified to homeowners.</i>	Q4	Q4	Q4	Q4	Q4	MS4 Coordinator	- Web Administrator - Executive Assistant	Publish in Spring 2014 issue of the City's periodic newsletter and annually thereafter and city website
#1: Public Education and Outreach on Stormwater Impacts	1.1. Public Outreach/ Education for Homeowners	1.1.3. Proper Disposal of Hazardous Wastes	Provide information on city website and in <i>The City Focus</i> about the household hazardous waste pick up points and reasons to dispose of hazardous waste properly.	Information to be provided in the Fall of each year. <i>Homeowners will be educated on how to dispose of hazardous wastes properly.</i>	Q2	Q2	Q2	Q2	Q2	MS4 Coordinator	- Web Administrator - Executive Assistant	Publish in Fall 2014 issue of the City's periodic newsletter and annually thereafter and city website
#1: Public Education and Outreach on Stormwater Impacts	1.1. Public Outreach/ Education for Homeowners	1.1.4. Trash Management	Provide information on city website and in <i>The City Focus</i> to inform public about benefits of proper trash management and effects of littering.	Information to be provided in Fall of each year. <i>Homeowners will be aware of problems associated with improper trash disposal (flooding, health hazards, etc.)</i>	Q2	Q2	Q2	Q2	Q2	- MS4 Coordinator - Web Administrator - Executive Assistant	- Public Works Superintendent - CVWMA Operations Director	Publish in Fall 2014 issue of the City's periodic newsletter and annually thereafter and city website

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#1: Public Education and Outreach on Stormwater Impacts	1.1. Public Outreach/ Education for Homeowners	1.1.5. Pet Waste Management	Provide information on city website and in <i>The City Focus</i> to inform public about impacts of pet wastes to the environment. Post signs at City parks to address pet waste disposal. Provide waste disposal bags at city parks.	Information to be provided in the Spring of each year. Signs currently posted. Currently provided and will continue. <i>Owner will be aware of legal responsibility to remove pet wastes from City property and will use waste disposal bags to contain pet wastes.</i>	Q4	Q4	Q4	Q4	Q4	- MS4 Coordinator - Web Administrator - Executive Assistant	Parks Superintendent	Publish in Spring 2014 issue and annually thereafter and city website
#1: Public Education and Outreach on Stormwater Impacts	1.2. Targeting Public Outreach/ Education	1.2.2. Develop a Relationship with Local Media	Identify local media staff and send them information generated.	Identify and review annually. <i>Get media involved.</i>	Q4	Q4	Q4	Q4	Q4	MS4 Coordinator		Provide in Spring 2014
#1: Public Education and Outreach on Stormwater Impacts	1.2. Targeting Public Outreach/ Education	1.2.3. Classroom Education on Stormwater	Review curriculum for sixth grade students addressing natural resource management and its relation to public policy and cost/benefit tradeoffs as defined by SOL guidelines consistent with grade level. Target a select school in first year and evaluate for expansion.	Curriculum to be developed and used annually. <i>Children will learn about water conservation and environmental impacts caused by improper waste disposal and misuse of household products.</i>	Q2	Q2	Q2	Q2	Q2	MS4 Coordinator	- School Administration - Youth Services	Coordinate campaign with Schools in Fall 2014 and annually thereafter
#1: Public Education and Outreach on Stormwater Impacts	1.2. Targeting Public Outreach/ Education	1.2.4. Organized Education on Stormwater	Identify two (2) target audiences who would benefit from organized education programs. Potential groups include the Boy and Girl Scouts.	Make contact with two (2) youth group leaders and explore target education programs. <i>Children will learn about environmental impacts of improper waste disposal and will learn to take responsibility for their environment.</i>	Q1	Q1	Q1	Q1	Q1	MS4 Coordinator	Youth Services	Record number of contacts and provide report on projects completed each year in Q1 of ensuing year

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#1: Public Education and Outreach on Stormwater Impacts	1.3. Public Outreach Programs for New Development	1.3.1. Low Impact Development	Encourage developers and planners to apply low impact development practices (LID) Establish guidelines in plan review process for voluntary consideration applicable BMP measures for new development	Establish guidelines, record contact with developer and estimate number of acres developed with LID annually. <i>Low-impact development practices will be considered and used by builder to minimize development impacts</i>	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	• MS4 Coordinator	• Assistant Director of Public Works • Senior Engineering Technician	Track development information on an ongoing basis. Complete annual report each year in Q1 of ensuing year
#1: Public Education and Outreach on Stormwater Impacts	1.4. Pollution Prevention Program for Household and Existing Development	1.4.1. Pollution Prevention Program for Homeowners	Formalize pollution prevention hotline to report problems and/or illicit discharge and notify the public of the hotline number and conditions they should be aware of.	Develop hotline to appear permanently on and in <i>The City Focus</i> . <i>Citizens will be able to notify appropriate City personnel of violations and unfavorable conditions</i>	O N G O I N G	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	• MS4 Coordinator	• Web Administrator • EMS Communications Supervisor	Track notifications on an ongoing basis. Complete annual report each year in Q1 of ensuing year.
#1: Public Education and Outreach on Stormwater Impacts	1.4. Pollution Prevention Program for Household and Existing Development	1.4.2. Pollution Prevention for Businesses	Establish guidelines for a pollution prevention and recognition program tailored for the business community and annually provide information to business owners through a brochure or the City's newsletter.	Establish a formal pollution prevention program that provides guidelines for the business community to follow and obtain public recognition. <i>Recognition of pollution prevention efforts and environmental responsibility will provide an incentive for the business community to cooperate with proper storm water management.</i>	Q 1	Q1	Q1	Q1	Q1	• MS4 Coordinator		Distribute brochure and give recognition to one business each year in Q1 of ensuing year.

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#2: Public Involvement/ Participation	2.1. Activities/ Public Participation	2.1.1. Stream Cleanup	Involve Boy and Girl Scout troops or other non-municipal organizations in cleanup efforts along streams and rivers. Encourage Scout masters to involve troop participation to meet goals consistent with the Boy Scout Forestry, and Soil and Water Conservation	Meet annually in Fall with Boy and Girl Scoutmasters / troop leaders or other non-municipal organizations to schedule annual clean up day along streams and rivers. <i>Children/Citizens will learn about environmental impacts of improper waste disposal.</i>	Q2	Q2	Q2	Q2	Q2	MS4 Coordinator	- PW Administrative Assistant - Schools	Schedule coordination meeting for Fall 2014 and annually thereafter
#2: Public Involvement/ Participation	2.1. Activities/ Public Participation	2.1.2. Adopt-A-Street/Adopt-A-Stream	Encourage residents and groups to adopt streets and areas along streams and rivers for clean up and volunteer monitoring and identify which stream is the recipient of runoff from the adopted street. Develop a program to distribute to interested groups.	Inform public biannually through website and <i>The City Focus</i> of streets available for adoption. <i>Public will help keep streets and streams free of debris and identify with the program.</i>	Q2 & Q4	Q2 & Q4	Q2 & Q4	Q2 & Q4	Q2 & Q4	PW Administrative Assistant	- MS4 Coordinator - Web Administrator - Executive Assistant	Schedule public service announcements for Fall and Spring of each year
#2: Public Involvement/ Participation	2.1. Activities/ Public Participation	2.1.3. Public Programs in Schools	Encourage school children to create educational displays for public libraries and schools addressing stormwater pollution and control measures. Set up meetings and offer assistance to school science coordinator. Public Works to provide oversight and coordination.	Meet with Science coordinator annually. Consider creation of displays for August (National Water Quality Month). <i>Children will learn about stormwater impacts and ways that they can improve their environment.</i>	Q2	Q2	Q2	Q2	Q2	MS4 Coordinator	Schools	Schedule meeting for Fall 2014 and annually thereafter
#3: Illicit Discharge Detection and Elimination	3.1. Illicit Discharge and Elimination	3.1.1. Review of Legal Authority	Assess City ordinance to ensure illicit discharges are adequately defined and prohibited. Ensure enforcement actions are implemented.	Revise ordinance as needed and review annually. (High Priority)	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	MS4 Coordinator	- City Attorney - Engineering Technician - Assistant Director of Public Works	Update and enforce on an ongoing basis.

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#3: Illicit Discharge Detection and Elimination	3.2. Illicit Discharge Detection	3.2.1. Inventory Regulated Stormwater Outfall Locations	Using existing map and fieldwork, establish program and schedule for inventory and data base development.	Existing regulated outfalls will be identified for annual inspection and illicit discharge tracking. <i>Creates map of regulated outfalls.</i> The City's 2003 inventory included approximately 40 outfalls to waterways and 600 inlets.	O N G O I N G	O N G O I N G Q1	O N G O I N G Q1	O N G O I N G Q1	O N G O I N G Q1	• MS4 Coordinator	- Senior Engineering Technician - Engineering Technician	Inspect regulated outfalls annually and update map of regulated outfalls as changes occur. Complete annual report in Q1 of ensuing year.
#3: Illicit Discharge Detection and Elimination	3.2. Illicit Discharge Detection	3.2.2. Map Regulated Outfalls and their Drainage Areas	Using existing mapping and continuing to do field work, refine and increase accuracy and detail of stormwater drainage system maps.	Create mapping delineating drainage areas associate with regulated outfalls. <i>Areas contributing to runoff will be identified.</i>	O N G O I N G	O N G O I N G Q1	O N G O I N G Q1	O N G O I N G Q1	O N G O I N G Q1	• Senior Engineering Technician	• MS4 Coordinator	Continue to update and refine map of drainage basins and regulated outfalls. Publish annual map update in Q1 of each year.
#3: Illicit Discharge Detection and Elimination	3.2. Illicit Discharge Detection	3.2.3. Locate Priority Area or Businesses Likely to have an Illicit Discharge	Using staff knowledge and available information develop a list of areas and businesses that would have a significant impact if a spill occurred or would have a high probability of having an accidental spill (ie auto repair shop restaurant and other industrial activities).	Create mapping of priority areas with unique pollution prevention schemes. <i>Areas that are possible sources of detrimental pollutants will be identified and monitored of possible problems</i>	Q1	Q1	Q1	Q1	Q1	• MS4 Coordinator	• Senior Engineering Technician	Update as necessary each year in Q1 of each year.
#3: Illicit Discharge Detection and Elimination	3.2. Illicit Discharge Detection	3.2.4. Inspect Regulated Outfalls for Dry Weather Discharge	Develop a program to use in the inspection to include visual observation, odors and conditions that would indicate illicit discharges. Schedule and forms to document the program will be included.	Inspect all regulated outfalls annually. <i>Dry weather discharges will be identified and appropriate action taken</i>	Q3	Q3	Q3	Q3	Q3	• MS4 Coordinator	• Engineering Technician	Inspect regulated outfalls in Q3 of each year. Complete annual report in Q1 of ensuing year.

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#3: Illicit Discharge Detection and Elimination	3.3. Illicit Discharge Elimination	3.3.1. Trace and Remove Illicit Discharge	Establish method for tracing illicit discharges and procedures for enforcing ordinances. Techniques and safety need to be included	Revise Handbook and include enforcement measures.		Q4				MS4 Coordinator	PW Administrative Assistant	Complete in Q4 of 2015
#3: Illicit Discharge Detection and Elimination	3.3. Illicit Discharge Elimination	3.3.2. Program Evaluation and Assessment	Develop a formal record-keeping procedure to document identification of illicit discharge and the steps taken to address the situation	Annual review by City Staff. <i>Historic records addressing illicit discharge detection and elimination will be maintained and can be used for program evaluation.</i>	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	MS4 Coordinator	PW Administrative Assistant	Track illicit discharges as identified. Complete annual report in Q1 of ensuing year	
#3: Illicit Discharge Detection and Elimination	3.4. Illicit Discharge Detection to be Distributed	3.4.1. Illicit Discharge Education for Residences	Develop public education pollution prevention handouts to address illicit discharges from residences. Suggested topics include Household Hazardous Waste, Grass Clippings and Pesticides. Prepare 1 per year or as need is shown. Coordinate with 1.1 and 1.4	Provide on city forms to residents addressing household hazardous waste and impact to stormwater. <i>Homeowners will dispose of household hazardous wastes properly.</i>	Q3	Q3	Q3	Q3	Q3	MS4 Coordinator	- Web Administrator - Executive Assistance	Include insert in Winter issue of the City's periodic newsletter and website
#3: Illicit Discharge Detection and Elimination	3.4. Illicit Discharge Detection to be Distributed	3.4.2. Illicit Discharge Education for Businesses	Develop public education pollution prevention handouts to address illicit discharges from specific businesses. Suggested businesses include Auto Repair, Dry Cleaners and Restaurants. Prepare 1 per year or as need is shown. Coordinate with 1.4.2	Provide handouts to businesses addressing illicit discharges from their specific business and impact to stormwater. <i>Business will dispose of hazardous wastes and minimize use of hazardous or toxic materials.</i>	Q4	Q4	Q4	Q4	Q4	MS4 Coordinator	- Web Administrator - Executive Assistance	Include insert in Spring issue of City Focus and website

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#4: Construction Site Stormwater Runoff Control	4.1. Erosion and Sediment Control Plan Review in association with Site Plan Review	4.1.1. Evaluate Current Ordinance and Method of Site Plan Review Using DCR Guidelines	Review current City of Colonial Heights ordinances, policies and procedures for reviewing E&S Control plans submitted in conjunction with the Site Plan review. Compare the City practices with those of other Virginia municipalities and the industry standards.	Compile, create, and publish a standard operating procedure for the review of E&S Control Plans. Refine E&S Control Plan review and publish definitive SOP	Q4	Q4	Q4	Q4	Q4	Assistant Director of Public Works	- MS4 Coordinator - Senior Engineering Technician - Administrative Assistant	Complete review in Q4 of each year
#4: Construction Site Stormwater Runoff Control	4.1. Erosion and Sediment Control Plan Review in association with Site Plan Review	4.1.2. Revise Ordinance Pertaining to Site Plan Review Including Construction Waste	Revise and introduce legislation to City Council as needed and identified in 4.1.1	Development and adaptation of ordinance. <i>Uniform application of regulation.</i>	Q1	Q1	Q1	Q1	Q1	Assistant Director of Public Works	- MS4 Coordinator - Administrative Assistant - City Attorney	Develop and introduce in Q1 of each year
#4: Construction Site Stormwater Runoff Control	4.1. Erosion and Sediment Control Plan Review in association with Site Plan Review	4.1.3. Develop Standards and Design Procedures for Site Plan Design	Review current City of Colonial Heights approved E&S Control methods guidance. Develop guidance specific to City topography and development practices, as to how and when each E&S Control method should be used. Include minimized Clearing, Stabilized Drainage Ways, Stabilized Exposed Soils, Protected Steep Slopes, Protected Waterways, Phased Construction, temporary diversion dikes, wind fences, brush barriers, silt fences, sediment basins and rock dams, sediment filters and sediment chambers, sediment traps and storm drain inlet protection. Coordinate with Virginia DCR, E&S Manual.	Create regulations that provide City Staff with clear guidance. <i>Simplify site plan design as it relates to erosion control.</i>	Q3	Q3	Q3	Q3	Q3	Assistant Director of Public Works	MS4 Coordinator	Review procedures annually in Fall

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#4: Construction Site Stormwater Runoff Control	4.2. Construction Site Inspections for E&S Control Compliance	4.2.1. Develop Internal Checklist for Reviewers for Consistency	Collect and review other jurisdictions compared to Colonial Heights and develop internal checklist for reviewers. Consider adopting DCR checklist.	Development of internal checklist for reviewers. Internal checklist for reviewers creates consistency in the review process.	Q3	Q3	Q3	Q3	Q3	Assistant Director of Public Works	- MS4 Coordinator - Senior Engineering Technician	Update and Maintain checklist. Revisions complete Fall each year
#4: Construction Site Stormwater Runoff Control	4.2. Construction Site Inspections for E&S Control Compliance	4.2.2. Publish guidance documents on E&S Control Plan Inspections	Review, revise and publish current inspection procedures for E&S Control Plans.	Create and publish standard E&S Control Inspection Checklists. Provide best practices guidance to City staff performing E&S site inspections	Q2					Assistant Director of Public Works	- MS4 Coordinator - Engineering Technician	Complete review, revisions and publication in Q2 2014
#4: Construction Site Stormwater Runoff Control	4.3. Internal Management	4.3.1. Training of City Staff for E&S Management and Site Plan Review	Select city site review staff members for training and certification in Virginia Department of Conservation (DCR) and Recreation E&S Control in Virginia for Plan Reviewers.	Provide opportunity for training and certification to new employees within 1 year of employment. Improves understanding of inspections on BMPs and E&S Procedure.	ONGOING,	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	Assistant Director of Public Works	MS4 Coordinator	Provide training for employees as needed Complete annual report of certifications in Q1 of ensuing year
#4: Construction Site Stormwater Runoff Control	4.3. Internal Management	4.3.2. Training and Certification of E&S Construction Site Inspectors	Select city site review staff members of training and certification in (DCR) E&S Control in Virginia for Plan Inspectors.	Provide opportunity for training and certification to new employees within 1 year of employment. Improves understanding of inspections on BMPs and E&S procedure.	ONGOING,	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	Assistant Director of Public Works		Provide training for employees Complete annual report of certifications in Q1 of ensuing year
#4: Construction Site Stormwater Runoff Control	4.3. Internal Management	4.3.3. Coordination with Other Staff	Develop scheduled periodic meetings with Site Reviewers, Inspectors, GIS staff, and Public Works staff to discuss modifications to benefit programs.	Schedule meeting annually. <i>Continuously improve program for effectiveness.</i>	Q3	Q3	Q3	Q3	Q3	Assistant Director of Public Works	- Senior Engineering Technician - Engineering Technician - Construction Inspector	Conduct staff meeting in Q3 of each year

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.2. Non-structural BMP's	5.2.1. Review and Evaluate Current Technology	Evaluate current methods being used and select those applicable for Colonial Heights	Develop list of methods. <i>Allow developers to consider alternatives</i>	Q3	Q3	Q3	Q3	Q3	Assistant Director of Public Works	MS4 Coordinator	Review methods annually and add approved methods by Q3 each year
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.2. Non-structural BMP's	5.2.3. Evaluate and Update by Inspection of Construction Sites and Literature Review	Review literature for new techniques. Inspect sites with non-structural controls and evaluate effectiveness. Update guidelines as required	Inspect site and revise guidelines every 3 years. <i>Annual reporting of results allows successes and failures to be identified to improve cost effectiveness.</i>	Q4			Q4		Engineering Technician	- Assistant Director of Public Works - City Attorney	Complete review and evaluation and update guidelines in Q4 2014 and Q4 2017
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.2. Non-structural BMP's	5.2.4. Develop and Maintain an inventory of Non-structural BMPs	Establish an inventory of non-structural BMPs to include type, order required O&M, inspection frequency, and locations of facilities constructed after 2003. Identify previously constructed non-structural BMPs as data becomes available	Develop and maintain data base. <i>Ensure tracking of BMPs and their effectiveness.</i>	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	Assistant Director of Public Works	- Senior Engineering Technician - MS4 Coordinator	Inventory to be updated as new BMPs are added/constructed
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.3. Structural BMP's	5.3.1. Review & Evaluate Current Technology	Review and evaluate current technologies for structural BMP's for new and redeveloped situations being used in other localities and select those applicable to Colonial Heights.	Evaluate current methods being used and select those applicable for Colonial Heights. <i>Improve rate of success.</i>	Q4					Assistant Director of Public Works	Senior Engineering Technician	Complete in Q4 2014

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.3. Structural BMP's	5.3.2. Adopt Standards and Design Criteria	Adopt design criteria and examples of structures such as retention basins, filters or other structures and landscaping features such as grassed swales or filter strips. The difference between structured and non-structured landscape features is the need to incorporate physical maintenance. Adopt a manual for distribution to design firms and developers.	Provide guidance document. <i>Allows developer to prepare consistent design.</i>		Q1				Assistant Director of Public Works	- Senior Engineering Technician - MS4 Coordinator	Update Design guidance by 2015
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.3. Structural BMP's	5.3.3. Develop Inspection Procedures for Structural BMP's	Evaluate procedures used by others and prepare checklist, logs and methodology to inspect the selected types of BMP's. Develop inspection schedule for determining frequency. Include method for putting data into a data base. Include a measurement for determining effectiveness.	Conduct inspections as per schedule and maintain inspection on file. <i>Determine structural conditions and effectiveness.</i>	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	O N G O I N G	Assistant Director of Public Works	- Senior Engineering Technician - MS4 Coordinator	
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.3. Structural BMP's	5.3.4. Develop and Maintain Inventory of Structural BMP's	Coordinate with mapping to establish an inventory of structural BMP's to Include type, owner required O & M, inspection frequency, and location.	Develop and maintain data base. <i>BMPs and map updates annual after initial completion.</i>	Q1	Q1	Q1	Q1	Q1	Assistant Director of Public Works	- Senior Engineering Technician - MS4 Coordinator	Update database as needed in Q1 each year

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.4. Internal Management	5.4.1. Training of City Staff for Site Plan Review and Field Inspections	Select staff members for training and certification of city staff using DCR course "Basic E & S Control in Virginia"	Provide opportunity for certification for new employees within 1 year of employment. <i>Improves understanding of inspections on BMPs and E&S procedure.</i>	O N G O I N G	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	• Assistant Director of Public Works	• MS4 Coordinator	Continue certification on an ongoing basis and complete annual report in Q1 of ensuing year
#5: Post-Construction Stormwater Management in New Development and Redevelopment	5.4. Internal Management	5.4.2. Coordination with Other Staff	Develop scheduled periodic meetings with Site Reviewer, Inspectors, and Public Works to discuss modification to benefit programs.	Schedule meeting annually. <i>Continuously improve program for effectiveness.</i>	Q3	Q3	Q3	Q3	Q3	• Assistant Director of Public Works	• MS4 Coordinator	Conduct annual staff meeting in Q3
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.1. Source Controls at Municipal Facilities.	6.1.1. Maintenance Facilities	Inventory municipal facilities involved with possible stormwater pollution impact.	Develop mapping showing municipal facilities. <i>City will be able to identify possible source of contaminants to stormwater runoff.</i>		Q3				• Assistant Director of Public Works	• Facilities Maintenance Superintendent • Parks Superintendent • MS4 Coordinator	Update mapping in Q3 2015
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.1. Source Controls at Municipal Facilities.	6.1.2. Review and Prepare Pollution Prevention Plans for a Maintenance Garage	Evaluate current pollution prevention plans for applicable City facilities: DPW, school bus facilities and transit facilities and update as required.	Update plans and meet with appropriate City personnel. <i>City personnel will evaluate current pollution prevention plans and prepare for possible emergency procedures.</i>		Q1				• MS4 Coordinator	• Automotive Maintenance Superintendent or Designee • Facilities Maintenance Superintendent • MS4 Coordinator	Update plan in Q1 2015
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.1. Source Controls at Municipal Facilities.	6.1.3. Prepare Pollution Prevention Plan for Recreational Facilities	Prepare pollution prevention plans for applicable City recreational facilities.	Update plans and meet with appropriate City personnel. <i>City personnel will evaluate current pollution prevention plans and prepare for possible emergency procedures.</i>		Q1				• MS4 Coordinator	• Facilities Maintenance Superintendent • MS4 Coordinator	Update in Q1 2015

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.1. Source Controls at Municipal Facilities.	6.1.4. Personnel Training	Train operations personnel in pollution prevention measures.	Record annual training schedules and number and department of personnel. <i>City will ensure that all personnel are adequately informed of pollution prevention measures.</i>	Q3	Q3	Q3	Q3	Q3	MS4 Coordinator	- Public Works Superintendent - Assistant Director of Public Works - Automotive Maintenance Superintendent - Facilities Maintenance Superintendent	Complete annual training in Q3 of each year
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.2. Source Control – Streets and Parking Lots	6.2.1. Parking Lot and Street Cleaning	One full time sweeper to clean all curb and gutter streets once a year.	Develop mapping to indicate streets cleaned and tonnage picked up. <i>City will track and evaluate current street cleaning routine and identify problem areas.</i>	ONGOING,	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	Public Works Superintendent	- MS4 Coordinator - Senior Engineering Technician	Sweep streets throughout year. Complete annual performance report in Q1 of ensuing year
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.2. Source Control – Streets and Parking Lots	6.2.2. Personnel Training	Evaluate inlet protection, erosion, and sediment control measures in road, utility, and bridge maintenance and train staff on methods.	Meet with 25% of required personnel on annual basis for training on current erosion and sediment control measures. <i>City personnel will employ current water quality measures for road, utility, and bridge maintenance.</i>	Q4	Q4	Q4	Q4	Q4	Public Works Superintendent	- Stormwater Foreman - MS4 Coordinator	Conduct training in Q4 of each year
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.3. Source Control – Storm Drainage System	6.3.1. Storm Drain Intake System Cleaning	Using City field crews and equipment, clean curb inlets, catch basins and manholes in the stormwater drainage system.	Clean 25% of storm structures per year. Record for historic data on database. <i>Reduces volume of solids in stormwater.</i>	ONGOING,	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	ONGOING, Q1	Public Works Superintendent	- Stormwater Foreman - MS4 Coordinator	Clean structures throughout year. Complete annual report in Q1 of ensuing year

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.3. Source Control – Storm Drainage System	6.3.2. Storm Drain System Inventory	Delineate sub basins of non-regulated outfall during Master Plan preparation. Inventory and evaluate all structures within one drainage basin per year. Coordinate with 5.1	Develop mapping and data base for non-regulated outfall basins. <i>Identify outfall areas to account for sources of possible contaminants.</i>		Q2				Assistant Director of Public Works	Senior Engineering Technician	Complete by Q2 of 2015
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.3. Source Control – Storm Drainage System	6.3.3. Stormwater Complaint File and History	Develop system to track and maintain historical data.	Review data annually. <i>Detection of failing or undersized systems</i>	O N G O I N G	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	Public Works Superintendent	- Public Work Superintendent - MS4 Coordinator - Stormwater Foreman	Review citizen's request/work order history throughout year. Complete annual report by Q1 of ensuing year.
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.4. Materials Management	6.4.1. Hazardous Materials Storage and Management	Evaluate storage locations and method of storing hazardous materials by EPA guidelines.	Record locations and methods of hazardous materials storage on map layer and database and inspect storage facilities annually. <i>Ensure hazardous materials storage containment is adequate.</i>	Q4	Q4	Q4	Q4	Q4	Senior Engineering Technician	- MS4 Coordinator - Automotive Maintenance Superintendent - Facilities Superintendent - Director	Complete inventory in Q4 of first year and inspect annually in Q4 of each year
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.4. Materials Management	6.4.2. Salt Storage	Evaluate application and method of storing road salt.	Record application locations and methods of storage in layer and database. Inspect storage facilities annually. <i>Ensure salt storage is adequate.</i>	Q3	Q3	Q3	Q3	Q3	Public Works Superintendent	- Streets Foreman - MS4 Coordinator	inspect in Q3 of each ensuing year.

Colonial Heights, Virginia

MS4 Program Implementation Plan, 2014-2018

MINIMUM CONTROL MEASURE	BEST MGMT PRACTIC CATEGORY	PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ ANTICIPATED ACHIEVEMENT	TASK SCHEDULE FISCAL YEARS ENDING JUNE 30					LEAD RESPONSIBILITY	SUPPORT RESPONSIBILITY	COMMENTS
					2014	2015	2016	2017	2018			
#6: Pollution Prevention/ Good House-keeping for Municipal Operations	6.4. Materials Management	6.4.3. Oil and Antifreeze Recycling	Evaluate used oil and antifreeze recycling methods.	Record used oil and used antifreeze recycling programs and amount collected to assess efficiency of current programs annually. <i>Ensure current programs are adequate</i>	O N G O I N G, Q1	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	O N G O I N G , Q1	Public Works Superintendent	MS4 Coordinator	Record quantities of collected materials continuously. Complete annual report in Q1 of ensuing year

Illicit Discharge Incident Reference Guide			
Reference Number	Location / Descriptive Name	Incident Date	Date Closed
00001	Southpark Mall carnival discharge	12-Mar-09	13-Mar-09
00001A	<i>second incident reported on July 30</i>	30-Jul-09	30-Jul-09
00001B	<i>third incident discovered on June 22</i>	22-Jun-11	27-Jun-11
00002	Highland Avenue garden drainage ditch	6-Apr-09	6-Apr-09
00003	Lafayette Avenue automobile leakage	14-May-09	currently open
00004	Billy's Lawn Service, Pertshire and School Streets	6-Nov-09	currently open
00005	214 Biltmore Drive	16-Apr-10	16-Apr-10
00006	Ridge and Snead	28-Mar-11	currently open
00007	111 Lakeside		currently open
00008	Hemlock Avenue, north end	17-Jun-11	currently open
00009	94 Swift Creek Lane	13-Jun-11	currently open
00010	209 Windmere Avenue	15-Jul-11	18-Jul-11
00011	210 Windmere Avenue	15-Jul-11	currently open
00012	1801 Duke of Gloucester inlet discharge	30-Aug-11	7-Sep-11
00013	Helen Avenue catch basin connection	4-Oct-11	5-Oct-11
00014	Don Jose, Boulevard @ Yew Ave	11-Apr-14	4/15/2014
00015	Martin's Grocery	24-Jun-14	7/8/2014

2013 POTENTIAL ILLICIT DISCHARGERS by INDUSTRY

TRADE NAME	FULL NAME	ADDRESS #	STREET NAME	CITY	STATE	ZIP	LICENSE NO	ALTERNATIVE CONTACT	FACILITIES	TYPE OF DISCHARGE	PAST VIOLATIONS
Virginia Medical Group PC		2905	Boulevard	Colonial Heights	VA	23834	20091367				
Colonial Heights Medical Center		3512	Boulevard	Colonial Heights	VA	23834	20091762				
Southside Pediatric Center		400 Suite D	Southpark Boulevard	Colonial Heights	VA	23834	20091291				
Commonwealth Dentistry		456 Suite 5	Charles Dimmock Pkwy	Colonial Heights	VA	23834	20091296				
Colonial Orthopedics Inc		131	Jennick Dr	Colonial Heights	VA	23834	20090797				
Virginia Physicians for Women Ltd		280	Charles Dimmock Pkwy	Colonial Heights	VA	23834	20091070				
	Caldwell Pediatrics & Wellness Center										
Caldwell, Melaney MD		2425 Suite 6	Boulevard	Colonial Heights	VA	23834	20091299				
Virginia Urology Center PC		436	Clairmont Ct	Colonial Heights	VA	23834	20090264				
Swift Creek Family Care		3628	Boulevard	Colonial Heights	VA	23834	20090590				
Family Auto Sales LLC		3626 Suite A	Boulevard	Colonial Heights	VA	23834	20090448				
Infant Jesus Children's Clinic PLC		210	Temple Ave	Colonial Heights	VA	23834	20091000				
Riverview Physicians for Women		439	Jennick Drive	Colonial Heights	VA	23834	20090431				
Colonial Heights Veterinary Hospital PC		3666	Boulevard	Colonial Heights	VA	23834	20090236				
Commonwealth Pediatrics PC		430 Suite 211	Clairmont Court	Colonial Heights	VA	23834	20091577				

2013 POTENTIAL ILLICIT DISCHARGERS by INDUSTRY

TRADE NAME	FULL NAME	ADDRESS #	STREET NAME	CITY	STATE	ZIP
Ackerman Auto Repair	James Ackerman	111	Boulevard	Colonial Heights	VA	23834
Advance Auto Parts #2840		3104	Boulevard	Colonial Heights	VA	23834
Always Auto Parts	Tri-City Properties of VA	P O Box 39		Colonial Heights	VA	23834
Arby's		107	Temple Lake Drive	Colonial Heights	VA	23834
Battlefield Park Body Shop	Wilson W Abernathy	118	Bruce Ave	Colonial Heights	VA	23834
Blue's Place	Michael Royea	1702	Boulevard	Colonial Heights	VA	23834
Boulevard BBQ	Jose E Melendez	2231	Boulevard	Colonial Heights	VA	23834
Boulevard BP	MS & KS LLC	915	Boulevard	Colonial Heights	VA	23834
Briggs Auto Service	Mark Briggs	1700	Snead Ave	Colonial Heights	VA	23834
Burger King		3116	Boulevard	Colonial Heights	VA	23834
Burger King		401	Southpark Blvd	Colonial Heights	VA	23834
Captain Tom's Seafood	T & J Restaurants Inc	1717	Boulevard	Colonial Heights	VA	23834
Carini Restaurant Corp	Carini's Restaurant Corp	3620	Boulevard	Colonial Heights	VA	23834
Carlton's Auto Service	Clifford B McGlone	116	Taswell Ave	Colonial Heights	VA	23834
Castaways Coffee House Inc	Kelly Scarbro	591	Southpark Blvd	Colonial Heights	VA	23834
Chanello's Pizza	Roodes Pizza Inc	3409	Boulevard	Colonial Heights	VA	23834
Chick-Fil-A	Donovan Carless	384 B-10	Southpark Circle	Colonial Heights	VA	23834
Colonial Heights Muffler & Auto	Autoworks Service Center	1718	Snead Ave	Colonial Heights	VA	23834
Colonial Italian Pizza Restaurant	Rosa-Nero Inc	1	Dunlop Village	Colonial Heights	VA	23834
Colonial Motor Company	Lyman W Ange Jr	3517	Boulevard	Colonial Heights	VA	23834
Colonial Shell	Rass Inc	3220	Boulevard	Colonial Heights	VA	23834
Conner Small Engine	Robert H Conner	1000	Temple Ave	Colonial Heights	VA	23834
Dairy Queen	J & A Inc	294	Southpark Circle	Colonial Heights	VA	23834
Dante's Pizzeria	Dante's Pizzeria	3008	Boulevard	Colonial Heights	VA	23834
Dishman's	David W Johnson	P O Box 472		Colonial Heights	VA	23834
Dominos Pizza	G & M Pizza	2227	Boulevard	Colonial Heights	VA	23834
Don Jose #2 Inc	Don Jose #2 Inc	3609	Boulevard	Colonial Heights	VA	23834
El Caporal	Zito, LLC	241 Suite 8	Charles Dimmock Pkwy	Colonial Heights	VA	23834
Five Guys Famous Burgers		707	Southpark	Colonial Heights	VA	23834
The Flaming Pit	ABA LLC	2231	Boulevard	Colonial Heights	VA	23834
Golden Corral	ESC Restaurants Inc	2501	Conduit Rd	Colonial Heights	VA	23834
Great China Buffet Inc	Great China Buffet Inc	1829	Southpark Blvd	Colonial Heights	VA	23834

Great Steak & Potatoe Co	S & G Cross Inc	366	Southpark Circle	Colonial Heights	VA	23834
Harris Auto Repair	Delmar J Shumate Jr	115	Boulevard	Colonial Heights	VA	23834
Jersey Mike's Subs	Wal Corp Inc	2011	Boulevard	Colonial Heights	VA	23834
Kentucky Fried Chicken	Kentucky Fried Chicken	1906 Suite B	Boulevard	Colonial Heights	VA	23834
Laines	JPF Inc	1621	Boulevard	Colonial Heights	VA	23834
Tom Lewis Auto Sales	Tom Lewis	3620	Boulevard	Colonial Heights	VA	23834
Little Caesars		2104	Boulevard	Colonial Heights	VA	23834
Los Bandidos	Leopoldo Lugo	170	Southgate Square	Colonial Heights	VA	23834
Master Transmissions	RWRW Inc	636	Boulevard	Colonial Heights	VA	23834
McDonalds		411	Southpark Circle	Colonial Heights	VA	23834
McDonalds		1101	Boulevard	Colonial Heights	VA	23834
Mi Rodeo Mexican Grill	Los Primos De Jal LLC	2208	Boulevard	Colonial Heights	VA	23834
Motorcycle Authority Inc	Motorcycle Authority	3008	Boulevard	Colonial Heights	VA	23834
New Chinamen's Buffet	New Chinamen's Buffet of Dong's Inc	200	Southgate Square	Colonial Heights	VA	23834
No 1 New China	No 1 New China	34	Dunlop Shopping Center	Colonial Heights	VA	23834
Oxford Motor Company, LLC	Oxford Motor Company, LLC	119-B	Boulevard	Colonial Heights	VA	23834
Padow's Hams & Deli	Mariett Inc	648-A	Southpark Blvd	Colonial Heights	VA	23834
The Paint Warehouse	J & P of Petersburg Inc	1410	Boulevard	Colonial Heights	VA	23834
J E Perdue, Landscaping	Joseph Edward Perdue Jr	500	Dupuy Ave	Colonial Heights	VA	23834
Pino's Italian Restaurant	Marcello Crapa	3420	Boulevard	Colonial Heights	VA	23834
Pleasure Island Seafood	Pleasure Island Seafood Inc	3650	Boulevard	Colonial Heights	VA	23834
Quiznos Sub	Fazdins Inc	458	Charles Dimmock Pkwy	Colonial Heights	VA	23834
Sino Wok Chinese Eatery	Ying Qing Yang & Yan Qing Jiang	388	Southpark Circle	Colonial Heights	VA	23834
Staples Automotive	Colonial Heights Auto Parts I	1907	Boulevard	Colonial Heights	VA	23834
Stir Fry 88 of Southpark Mall Inc	Stir Fry 88 of Southpark Mall Inc	378	Southpark Mall	Colonial Heights	VA	23834
Subway #23642	Shree Shiv Co	501	Southpark Blvd	Colonial Heights	VA	23834
Subway #38026	Desjardins Ent Ltd Inc	671	Southpark Blvd	Colonial Heights	VA	23834
Subway #42545	Epieikeia Ent Ltd Inc	381	Southpark Circle	Colonial Heights	VA	23834
Taco Bell #16941	Burger Busters IV LLC	628	Southpark Blvd	Colonial Heights	VA	23834
Top's China	Song Yang	3107- 11	Boulevard	Colonial Heights	VA	23834
Tuffy Muffler	Lizco Inc	1115	Boulevard	Colonial Heights	VA	23834
Uppy's IX	Uppy's Convenience Stores Inc	961	Temple Ave	Colonial Heights	VA	23834
Vincenzo's Restaurant	Vincenzo's Restaurant Inc	609	Boulevard	Colonial Heights	VA	23834
Virginia Liftmaster 4X Specialist	Rodney Parlow & Mark Hinds	405	Ellerslie Ave	Colonial Heights	VA	23834

Wagstaff Steak House The	Danny Wagstaff	3737	Boulevard	Colonial Heights	VA	23834
What-A-Burger	Jack T Branch	1018	Boulevard	Colonial Heights	VA	23834

LICENSE NO	ALTERNATIVE CONTACT	FACILITIES	TYPE OF DISCHARGE	PAST VIOLATIONS
20090281				
20090899				
20091039				
20090404				
20090085				
20090366				
20090454				
20090860				
20090945				
20091049				
20091512				
20090742				
20090519				
20090656				
20090959				
20090037				
20091042				
20090134				
20090160				
20091895				
20090327				
20091743				
20091356				
20091851				
20091468				
20090033				
20090196				
20091613				
20091540				
20091843				
20090416				
20090255				

20090954
20090803
20091131

20090458
20090460
20090301
20091149
20091281
20090259
20090472
20091153
20090230
20091488

20090935
20090138
20090767
20090893
20090335
20091545
20091150
20090866
20091536

20091627
20090406
20090177
20090445
20091389
20091516
20091268
20090996
20090553
20091669
20090500
20091561

20090284

20090469

2013 POTENTIAL ILLICIT DISCHARGERS by INDUSTRY

TRADE NAME	FULL NAME	ADDRESS #	STREET NAME	CITY	STATE	ZIP	LICENSE NO	ALTERNATIVE CONTACT	FACILITIES	TYPE OF DISCHARGE	PAST VIOLATIONS
Adams, Walter A - Builder Inc	Walter A Adams	P O Box 1044		Colonial Heights	VA	23834	20090179				
All American Home Improvement	John Morelle II	211	Marvin Ave	Colonial Heights	VA	23834	20091678				
B & T Excavating LLC	B & T LLC	104	Winston Ave	Colonial Heights	VA	23834	20091271				
Richard Bogese Builders Inc	C Richard Bogese Jr	206-D	Temple Ave	Colonial Heights	VA	23834	20090330				
BRY Builders	Bryant W Akins	316	Pickett Ave	Colonial Heights	VA	23834	20090191				
Buchanan & Rice Contractors Inc	Buchanan & Rice Contractors Inc	1811	Ruffin Mill Circle	Colonial Heights	VA	23834	20090682				
Cana Contractors	Joon Jeong	317	Yorktown Dr	Colonial Heights	VA	23834	20091407				
F J Childers Construction	Frank J Childers	897	Conduit Rd	Colonial Heights	VA	23834	20091225				
City Wide Construction Co	Timothy E Francis Sr	220	Virginia Ave	Colonial Heights	VA	23834	20090224				
Colonial Construction	Stephanie Wilson	405	Cloverhill Ave	Colonial Heights	VA	23834	20091221				
Richard L Crowder Construction Inc	Richard Crowder	P O Box 2125		Petersburg	VA	23804	20090117				
Daniels Masonry Contractors Inc	Daniels Masonry Contractors Inc	P O Box 1274		Colonial Heights	VA	23834	20090692				
DanRich Construction Co Inc	DanRich Construction Co Inc	117-C	Orange Ave	Colonial Heights	VA	23834	20091249				
Dietze Construction Group Inc	Dietze Construction Group Inc	45155 Suite 300	Research Place	Ashburn	VA	20147	20091186				
Divine Custom Builders	Michael Sawyer	200 Apt 1	Beechwood Ave	Colonial Heights	VA	23834	20090163				
Dunn Right Construction Inc	R L Dunn III	P O Box 532		Colonial Heights	VA	23834	20090930				
Tommy Dykes Construction	Tommy Dykes	902	E Westover Ave	Colonial Heights	VA	23834	20090863				
John Edward Construction	John Edward Johnson	218	Lafayette Ave	Colonial Heights	VA	23834	20090938				
Gibbs Masonry & Construction Inc	Lewis E Gibbs Jr	P O Box 834		Colonial Heights	VA	23834	20091009				
RM Hahn, Jr General Contractor	Richard M Hahn Jr	412	Whipporwill Ct	Colonial Heights	VA	23834	20091003				
JD Hauser Construction	Tara B Hauser	801	Old Town Dr	Colonial Heights	VA	23834	20090083				
Gilbert Martin Co Inc	Gilbert Martin	117	Roanoke Ave	Colonial Heights	VA	23834	20090354				
Moore Paving Company	Walter D Moore	309	W Ellerslie Ave	Colonial Heights	VA	23834	20091362				
Oasis Contracting Inc	Oasis Contracting Inc	1148	Peace Cliff Ct	Colonial Heights	VA	23834	20091550				
Perkinson Custom Homes	Dwayne R Perkinson	112	Waterfront Dr	Colonial Heights	VA	23834	20090997				
R & D Sealcoating	David P Hoopsick	401	Dupuy Ave	Colonial Heights	VA	23834	20090628				
R & R Concrete	Robert C Rollinson III	P O Box 1073		Colonial Heights	VA	23834	20090627				
R H Construction	Richard B Heuermann	318	Comstock Dr	Colonial Heights	VA	23834	20091239				
Real Deal Contracting	Patrick Stevens	1314	Canterbury Lane	Colonial Heights	VA	23834	20091837				
Robinette Construction Co Inc	Dwight Kelly Robinette	2004	Snead Ave	Colonial Heights	VA	23834	20091438				
Saunders Construction	David A Saunders	212	Moore Ave	Colonial Heights	VA	23834	20090007				
B P Short & Son Paving Co Inc		P O Box 2007		Petersburg	VA	23804	20090162				
Slurry Pavers Inc		1277	Mountain Rd	Glen Allen	VA	23060	20091507				
Southern Construction Inc		P O Box 667		Petersburg	VA	23804	20090006				
Square D Construction	Danny L Mayes	1705	Franklin Ave	Colonial Heights	VA	23834	20091606				
Sun General Contracting	Petros N Megariotis	411	Cloverhill Ave	Colonial Heights	VA	23834	20091387				
Waskey Construction LLC	Waskey Construction LLC	P O Box 948		Colonial Heights	VA	23834	20091603				
J S Wood Builder LLC	J S Wood	4700	Ridgecrest Lane	Colonial Heights	VA	23834	20090332				
Xtreme Structures	Donald Wayne Hogue	1101	Conduit Rd	Colonial Heights	VA	23834	20090407				

TR 55 Worksheet 2: Runoff Curve Number and Runoff

Project: Overall Discharge - Colonial Heights Designed By: _____ Date: _____

Location: City of Colonial Heights Checked: _____ Date: _____

Check one: ☒ Present ☐ Developed

1. Runoff curve number (CN)

Soil name and hydrologic group (Appendix A)	Cover description (Cover type, treatment, and hydrologic condition; percent impervious; unconnected/connected impervious area ratio)	CN ^{1/}			Area ☒ acres ☐ mi ² ☐ %	Product of CN x area
		Table 2-2	Fig. 2-3	Fig. 2-4		
	33% Impervious		73		4,800.0	350,400.0
Totals =					4,800.0	350,400.0

^{1/} Use only one CN source per line.

$$\text{CN (weighted)} = \frac{\text{total product}}{\text{total area}} = \frac{350,400.0}{4,800.0} = 73 \quad \text{Use CN} = \boxed{73}$$

2. Runoff

Frequency years

Rainfall, P (24 hour) in.

Runoff, Q in.

(Use P and CN with Table 2-1, Figure 2-1, or equations 2-3 and 2-4.)

Storm #1	Storm #2	Storm #3
2	10	100
3.5	5.5	8.0
1.2	2.7	4.8

TR 55 Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t)

Project: Overall Discharge - Colonial Heights Designed By: _____ Date: _____

Location: City of Colonial Heights Checked By: _____ Date: _____

Check one: ☒ Present ☐ Developed

Check one: T_c T_t through subarea _____

NOTES: Space for as many as two segments per flow type can be used for each worksheet. Include a map, schematic, or description of flow segments.

Sheet Flow (Applicable to T_c only)

Segment ID

--	--

1. Surface description (Table 3-1)
2. Manning's roughness coeff., n (Table 3-1)
3. Flow length, L (total $L \leq 100$ ft) ft
4. Two-year 24-hour rainfall, P_2 in
5. Land slope, s ft/ft
6. $T_t = \frac{0.007 (nL)^{0.8}}{P_2^{0.5} s^{0.4}}$ Compute T_t hr

33% Impervious	
0.01	
27,444	
3.5	
0.010	
2.27	+
= 2.27	

Shallow Concentrated Flow

Segment ID

--	--

7. Surface description (paved or unpaved)
8. Flow length, L ft
9. Watercourse slope, s ft/ft
10. Average velocity, V (Figure 3-1) ft/s
11. $T_t = \frac{L}{3600 V}$ Compute T_t hr

	+
=	

Channel Flow

Segment ID

--	--

12. Cross sectional flow area, a ft²
13. Wetted perimeter, P_w ft
14. Hydraulic radius, $r = \frac{a}{P_w}$ Compute r ft
15. Channel Slope, s ft/ft
16. Manning's Roughness Coeff., n
17. $V = \frac{1.49 r^{2/3} s^{1/2}}{n}$ Compute V ft/s

18. Flow length, L ft
19. $T_t = \frac{L}{3600 V}$ Compute T_t hr

	+
=	

20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19) hr

2.27

Tr 55 Worksheet 4: Graphical Peak Discharge Method

Project: Overall Discharge - Colonial Heights Designed By: _____ Date: _____

Location: Colonial Heights Checked By: _____ Date: _____

Check one: ☐ Present ☐ Developed

1. Data:

Drainage area $A_m = 7.40$ mi² (acres/640)

Runoff curve number CN = 73 (From Worksheet 2)

Time of concentration $T_c = 2.20$ hr (From Worksheet 3)

Rainfall distribution type = II (II, III, DMVIII)

Pond and swamp areas spread
throughout watershed = _____ percent of A_m (_____ acres or mi² covered)

2. Frequency..... yr	Storm #1 2	Storm #2 10	Storm #3 100
3. Rainfall, P (24-hour)..... in	3.5	5.5	8.0
4. Initial abstraction, I_a in (Use CN with Table 4-1.)	0.740	0.740	0.740
5. Compute I_a/P	0.21	0.13	0.09
6. Unit peak discharge, q_u csm/in (Use T_c and I_a/P with exhibit 4- <u>II</u>)	200	220	240
7. Runoff, Q in (From Worksheet 2)	1.10	2.60	4.60
8. Pond and swamp adjustment factor, F_p in (Use percent pond and swamp area with Table 4-2. Factor is 1.0 for zero percent pond and swamp area.)	1.0	1.0	1.0
9. Peak discharge, q_p cfs (Where $q_p = q_u A_m Q F_p$)	1,628	4,233	8,170

The Simple Method to Calculate Urban Stormwater Loads

Introduction

The Simple Method estimates stormwater runoff pollutant loads for urban areas. The technique requires a modest amount of information, including the sub-watershed drainage area and impervious cover, stormwater runoff pollutant concentrations, and annual precipitation. With the Simple Method, the investigator can either break up land use into specific areas, such as residential, commercial, industrial, and roadway and calculate annual pollutant loads for each type of land, or utilize more generalized pollutant values for land uses such as new suburban areas, older urban areas, central business districts, and highways.

Stormwater pollutant concentrations can be estimated from local or regional data, or from national data sources. Tables 1 through 3 summarize pollutant concentration data for Total Suspended Solids (Table 1), Total Phosphorous (Table 2), and Total Nitrogen (Table 3) for residential, commercial, industrial, and roadway land uses, and identify default values. Table 4 identifies pollutant concentration values for Phosphorus, Nitrogen, COD, BOD, and some metals for more generalized land use categories. In general, the selected data sources are nationwide in scope, or are summaries of several regional studies. Some studies included in these data did not characterize stormwater concentrations for specific land uses, and instead reported a concentration for "urban runoff." In these instances, the data are reported as the same concentration for each land use in Tables 1 through 3.

Fecal coliform is more difficult to characterize than other pollutants. Data are extremely variable, even during repeated sampling at a single location. Because of this variability, it is difficult to establish different concentrations for each land use. Although some source monitoring data exists (Steuer *et al.*, 1997; Bannerman *et al.*, 1993), the simple method assumes a median urban runoff default value, derived from NURP data (Pitt, 1998), of 20,000 MPN/100ml. For more information on sources and pathways of bacteria in urban runoff, consult Schueler (1999).

The Simple Method estimates pollutant loads for chemical constituents as a product of annual runoff volume and pollutant concentration, as:

$$L = 0.226 * R * C * A$$

Where: L = Annual load (lbs)
R = Annual runoff (inches)
C = Pollutant concentration (mg/l)
A = Area (acres)
0.226 = Unit conversion factor

For bacteria, the equation is slightly different, to account for the differences in units. The modified equation for bacteria is:

$$L = 1.03 * 10^{-3} * R * C * A$$

Where: L = Annual load (Billion Colonies)
R = Annual runoff (inches)
C = Bacteria concentration (#/100 ml)
A = Area (acres)
 $1.03 * 10^{-3}$ = Unit conversion factor

Annual Runoff

The Simple Method calculates annual runoff as a product of annual runoff volume, and a runoff coefficient (Rv). Runoff volume is calculated as:

$$R = P * P_f * R_v$$

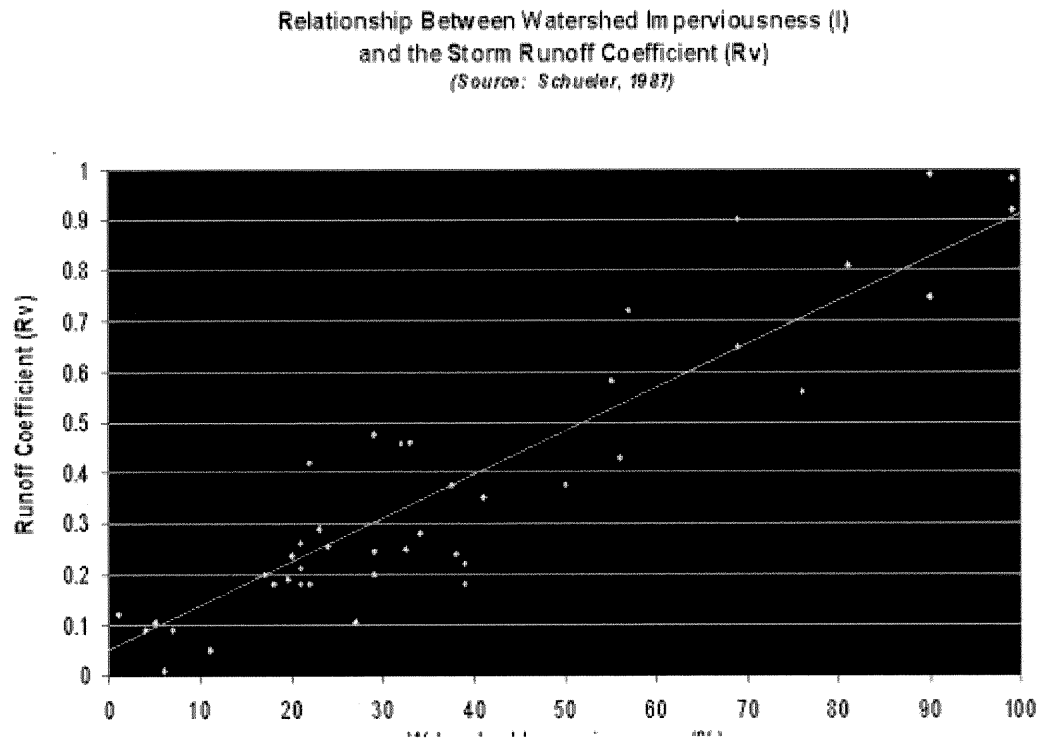
Where: R = Annual runoff (inches)

P = Annual rainfall (inches)

P_f = Fraction of annual rainfall events that produce runoff (usually 0.9)

R_v = Runoff coefficient

In the Simple Method, the runoff coefficient is calculated based on impervious cover in the sub-watershed. This relationship is shown in Figure 1. Although there is some scatter in the data, watershed imperviousness does appear to be a reasonable predictor of R_v .



The following equation represents the best fit line for the dataset ($N=47$, $R^2=0.71$).

$$R_v = 0.05 + 0.9I_a$$

Where: I_a = Impervious fraction

Impervious Cover Data

The model uses different impervious cover values for separate land uses within a sub-watershed. Representative impervious cover data, along with Model default values, are presented in [Table 5](#). A study is currently being conducted by the Center for Watershed Protection under a grant from the U.S. Environmental Protection Agency to update impervious cover estimates for these and other land uses. The results of this study will be available by 2001. In addition, some jurisdictions may have detailed impervious cover information if they maintain a detailed land use/land cover GIS database.

Limitations of the Simple Method

The Simple Method should provide reasonable estimates of changes in pollutant export resulting from urban development activities. However, several caveats should be kept in mind when applying this method.

The Simple Method is most appropriate for assessing and comparing the relative stormflow pollutant load changes of different land use and stormwater management scenarios. The Simple Method provides estimates of storm pollutant export that are probably close to the "true" but unknown value for a development site, catchment, or sub-watershed. However, it is very important not to over emphasize the precision of the results obtained. For example, it would be inappropriate to use the Simple Method to evaluate relatively similar development scenarios (e.g., 34.3% versus 36.9% Impervious cover). The simple method provides a general planning estimate of likely storm pollutant export from areas at the scale of a development site, catchment or sub-watershed. More sophisticated modeling may be needed to analyze larger and more complex watersheds.

In addition, the Simple Method only estimates pollutant loads generated during storm events. It does not consider pollutants associated with baseflow volume. Typically, baseflow is negligible or non-existent at the scale of a single development site, and can be safely neglected. However, catchments and sub-watersheds do generate baseflow volume. Pollutant loads in baseflow are generally low and can seldom be distinguished from natural background levels (NVPDC, 1979). Consequently, baseflow pollutant loads normally constitute only a small fraction of the total pollutant load delivered from an urban area. Nevertheless, it is important to remember that the load estimates refer only to storm event derived loads and should not be confused with the total pollutant load from an area. This is particularly important when the development density of an area is low. For example, in a large low density residential sub-watershed (Imp. Cover < 5%), as much as 75% of the annual runoff volume may occur as baseflow. In such a case, the annual baseflow nutrient load may be equivalent to the annual stormflow nutrient load.

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Annual Runoff:

R = Annual Runoff (inches)

P = Annual Rainfall (inches)

P_j = Fraction of annual rainfall events that produce runoff (usually 0.9)

R_v = Runoff Coefficient

<i>P</i>	<i>P_j</i>	<i>R_v</i>
45.26	0.90	0.32

$$R = 13.03$$

Bacteria Concentration: 20,000 MPN / 100 ml.

L = Annual Load (Billion Colonies)

R = Annual Runoff (inches)

C = Bacteria Concentration (#/100ml)

A = Area (acres)

<i>R</i>	<i>C</i>	<i>A</i>
13.03	200.00	4,800.00

$$L = 12,888.89$$

**Colonial Heights Annual
Stormwater Report FY15**

Appendix H

City of Colonial Heights

Stormwater Volume and Pollutant Load Estimation for Watershed with an Identified WLA

Discharge Volumes and Pollution Loads have all been estimated using Simple Method
Calculations

Impervious Area (%)	33	From CDM Stormwater Report 2008
Annual Rainfall (in)	43	From NOAA National Climatic Data

Watershed with WLA	Drainage Area (ac)	Discharge Volume (ft3)	E.Coli (cfu/yr)
Appomattox River (NT)	618	3.18E+07	3.97E+07
Appomattox River (Tidal)	2318	1.19E+08	1.46E+08
Swift Creek	1946	9.99E+07	1.04E+08



Developing a Stormwater-friendly Lawn

How >

Many people think maintaining a perfectly manicured landscape or green and plush yard involves harsh chemicals, plenty of pesticides and an endless amount of work, when actually, something of the opposite is true. While maintaining a picture-perfect landscape does require hard work and time, home-owners can save significant amounts of money, time and toil by utilizing a few natural products and taking some natural factors into account in their landscape planning. With a combination of organic products and some advanced planning, lawns and landscapes can be lush and hearty, while at the same time contributing far fewer pollutants to our surrounding waters.

Getting started >

Getting started is easy. There are many great books and guides available that detail all the methods to get you started and the materials you'll need. Your local book retailer can point you in the right direction, but the links below can help as well:

<http://chlibrary.colonial-heights.com/cataloging/servlet/handlebasicsearchform.do>

www.organiclandscape.org/en/Books_27.html

<http://library.co.chesterfield.va.us/search/w?SEARCH=organic+gardening>

www.epa.gov/npdes/pubs/waterefficiency.pdf

A first step >

One of the first things to do is get your lawn's soil sampled. Start by collecting a sample of your soil - a garden shovel scoop at least 4" deep without rocks - and take it to a local lawn and garden store. Many home and garden stores have do-it-yourself tests for sale, and some extension offices offer services that test your sample at a lab. Testing your soil will help you know the exact types and quantities of fertilizers your lawn needs rather than buying the kinds and amounts of nutrients your lawn may already have an abundance of. The key to successful fertilization is getting the right mixture of quality and quantity. Learn more about getting a soil test:

<http://www.ext.vt.edu/pubs/compost/452-129/452-129.html>

www.soiltest.vt.edu/soiltest.html

Fertilizing >

Once you've gotten the results of your soil test you'll know what nutrients your lawn needs or has an excess of. Finding natural substitutes for the traditional synthetic fertilizers is much easier than you might think, and these natural fertilizers are often more effective and less damaging than synthetics. Manures, dried blood, feather and bone meal, for example, can be used to add nitrogen to your lawn, and are less likely to burn turfgrass or cause rapid growth spurts due to their slow release properties. Because of this, these natural fertilizers may provide longer lasting benefit to your lawn and are much less apt than are water-soluble fertilizers to leach from the soil, thus reducing the ground and surface-water contamination commonly seen with synthetic fertilizers.

Important to understanding what natural fertilizers your lawn will need is knowing what levels of which nutrients are contained in any given compound or fertilizer. One thing that will help you determine this is NPK numbers. The make-up of fertilizers is determined by the three numbers on their packaging - 10-10-10, for example - each of which represent the percentage of nitrogen (N), phosphorous (P) or potassium (K) the compound contains. Each of these nutrients is important for proper plant growth

and development. Nitrogen helps plant foliage grow strong. Phosphorous helps roots and flowers grow and develop. Potassium (Potash) is important for overall plant health.

While many types of natural compounds can be used as fertilizers, some common fertilizing compounds are:

Bat Guano

Bat guano is the ultimate 100 percent natural fertilizer. Farmers and gardeners have used bat guano as a fertilizer for hundreds of years. Bat guano has a high humus content and works great as a soil builder and fertilizer. It is rated as a 10-3-1 fertilizer.

Fish Meal

Fish meal is a natural organic fertilizer that was traditionally used by gardeners and farmers before the advent of inorganic fertilizers. It contains important trace elements that make it a complete plant food. Rated as a 10-5-0 organic fertilizer, fish meal works quickly and provides plenty of phosphorous and organic nitrogen.

Kelp

Kelp meal fertilizer is made from brown seaweed harvested from ocean waters. The dried kelp maintains a high content of plant growth hormones, essential minerals and organic material. An added benefit is that kelp meal provides a slow, sustained release of nutrients, and works great for flowers, trees, and your lawn.

Garret Juice

Garret Juice, a highly effective liquid organic fertilizer mix, can be purchased ready-made in exact proportions or can be made at home. It contains compost tea, molasses, vinegar and seaweed and works as a foliar spray for all plants, ornamentals and food crops, or can be added directly to the soil. It works great on potted plants as well.

Kelp Lawn Starter

Organic kelp fertilizer is made from giant sea kelp and is specifically designed to help stimulate turf root growth, important for newly seeded lawns. It will also give your established lawn a quick boost, and as kelp is a slow release organic fertilizer, will work over time to keep your grass growing strong .

Organic Liquid Lawn Fertilizer

For a green, lush and chemical free yard, give your grass a dose of organic liquid lawn fertilizer. It is a great source of macronutrients, micronutrients, minerals, amino acids and peptides and has a NPK of 2-3-1. With this organic product the nutrients actually remain as solid amino acids in the soil, allowing for a slow release of nutrients that are absorbed thoroughly through the roots, minimizing waste. Your plants will absorb about 97 percent of the nutrients from this fertilizer, compared to the 20 percent which is more typical of chemical fertilizers.

Horticultural Cornmeal

Horticultural cornmeal helps to strengthen beneficial soil fungi. These beneficial soil organisms will help fight off the harmful fungi that can attack your plants, which is especially important for vegetable crops that are often susceptible to fungal diseases. Horticultural cornmeal also helps build up the quality of the soil, which will benefit all the plants in your garden, from grass to tomatoes. It can also be used it to safely remove algae from ponds and water features.

Garden Molasses

Garden molasses stimulates soil microorganisms and is a perfect compliment to organic fertilizers. It works as a foliar treatment when applied directly to the leaves of your plants, providing your plants trace minerals such as sulfur, potash, and iron.

For more information on types of organic fertilizers and the nutrients each provide, visit:

www.cmg.colostate.edu/gardennotes/234.pdf

www.basic-info-4-organic-fertilizers.com/organicfertilizers.html

Healthy maintenance >

Using organic fertilizers and soil amendments isn't the only thing that home-owners and gardeners can do to minimize their lawns' impact on Colonial Heights waters. There are several practices that can be obeyed to help your lawn naturally fight off disease, combat the effects of summer heat and naturally support itself. One of the easiest things to do is leave your grass clippings on the lawn as opposed to bagging or collecting them. Doing this will keep the nutrients that have already been absorbed by the existing grass' blades on the lawn, thus continuing to fertilize the turf and helping to

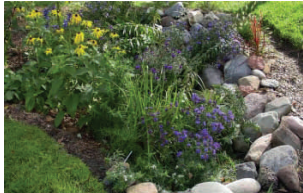
lessen the frequency of re-fertilization. In fact, one 1996 study suggests that mulching grass clippings into the lawn can, in some cases, eliminate the need of re-fertilization altogether. One common source of fertilizer runoff is over-watering. To prevent this, water at a rate of no more than 1/2 an inch per hour. Set several cans within your sprinkler's range and check how much water they collect every 15 minutes and adjust your sprinkler accordingly. Watering in the early morning, as well, is best. Plants and lawns allowed to stay wet overnight are more susceptible to disease. Keeping your lawn mowed at a regular height also acts as a natural defense. When mowing, make it a point to cut no more than 1/3 of the blade length, and remember to cut at a higher level than you might be used to. Increasing your mowing height to between 3 and 3 and one-half inches helps your lawn hold moisture and keeps the soil temperature cooler than it would be with shorter cut grass.

Building supporting landscape features >

All of us enjoy those perfectly manicured landscape features that accent the lawns we work so hard on. In planning these features and selecting the right foliage to plant them with, we can utilize designs that maximize our lawn's ability to sustain itself without unnecessary work and chemicals.

rain gardens >

Rain gardens are a great way to both accent and utilize those difficult or otherwise unusable spaces in the yard. Built essentially in the form of a slight depression filled with native plants, rain gardens can optimize low spots in your yard where water ponds. As another option, they can be placed at the base of slopes where water runoff from regularly fertilized turfs will feed the more nutrient-needy plant species that, in other areas of the yard, require more work. Rain gardens are often planted with bird, bee, and butterfly attracting species, and can really be an eye-catching addition to any landscape.



For plans on choosing and building the right rain garden for your landscape, visit:

www.dof.virginia.gov/mgt/resources/pub-Rain-Garden-Tech-Guide_2008-05.pdf
www.raingardennetwork.com/build.htm
www.epa.gov/nps/toolbox/other/cwc_raingardenbrochure.pdf
www.enterprise.mtu.edu/att/powerpoints/raingardens.ppt

utilizing the lay of your land >

Just as you would place a rain garden in a naturally low lying area, you can design your landscape areas to conserve water and maximize your fertilization applications. Many of the brightly colored and flowering species we all enjoy planting in the spring and summer require more fertilization than some of our native and less colorful species. Lilies and daylilies are popular selections, thriving in full sun to partial shade. Though they require adequate drainage and mulch to keep their roots cool, a down-slope area of your yard that borders frequently fertilized turf may be perfect for these, as they prefer soils high in organic matter. Iris, another favorite that prefer partial shade and well-drained soil, demand acidic soils amended with organic matter. Due to this they make attractive bed borders and color-fills for low spots. Dahlias, as well, thrive in full sun or partial shade and prefer moist, well-drained soil. Gladiolus summer bulbs thrive in full sun locations with moist soil that is well drained and has good air circulation. Cannas love the hot summer, growing well in full sun but needing rich soil and a good moisture supply. Because proper soil drainage is important for all these species to prevent bacterial rot, they all thrive in soils rich with organic matter and they all require concentrated nutrient levels, beds on down-slope areas or at well-drained bases of slopes may be perfect places to feature colorful plants like these. These 'border' or 'slope' beds will maximize your lawn's natural drainage while capturing the lawn's fertilizer runoff.



Learn more about sustainable landscaping at:

www.ext.vt.edu/pubs/envirohort/vagardlist.html

Did you know?

...there are an estimated 25 to 30 million acres of turf lawn in the U.S.

...the average acre of maintained lawn receives roughly seven pounds of pesticides per year

...if lawns were classified as a crop, they would rank as the fifth largest crop in the nation

...over-doing lawn fertilizer causes plant roots to dehydrate, much like over-salting our food does to us

Using your plants for more than aesthetics >

Any landscape design requires planning. In much the same way that plants can be placed in areas where they utilize fertilizer and water runoff, landscape features can be built in a manner that makes plants as beneficial as they are attractive. With the aid of good resources and some preliminary landscape planning you can choose plants and arrangement patterns that help minimize your need for things like pesticides. Many plants repel certain types of insects due simply to their natural characteristics and the insects' aversion to them. Utilizing a method often referred to as companion planting, you can group certain kinds of plants, or surround insect-susceptible plants with insect repelling plants, to act as a natural insect repellent. Chrysanthemums and dahlias, for example, kill parasitic root nematodes (*tiny roundworms*). Daisies attract beneficial insects like the tiny and non-stinging parasitic wasp, which preys on pests like aphids, flies, beetles and caterpillars. Geraniums, in addition to herbs like angelica and tansy, attract ladybugs which feed aggressively on pests like aphids, mealybugs and spider mites. Marigolds, as well, ward off parasitic nematodes and certain types of beetles. Mint, which makes a good controlled accent plant, repels ants and some types of moths. It also helps to control rodents, flea beetles, and aphids. Citronella grass, as its name might indicate, deters mosquitoes, one of our peskiest backyard foes. These annual grasses can grow quite large, but can help alleviate some of your need for chemical mosquito repellents. Petunias repel pesky leaf-hoppers and several types of beetles. Nasturtium, a late-blooming flower, will repel the whitefly. When planning your next landscape or new lawn feature, take a look at the following resources for some great ideas on getting started companion planning.



Parasitic wasp

www.markham.ca/NR/rdonlyres/8937D562-A0B4-405E-A21C-CD01FC13481D/0/ens_insects.pdf
www.homeandgardensite.com/companion_planting.htm
<http://attra.ncat.org/attra-pub/complant.html>

Pesticides >

Fertilizers aren't the only substances that can be supplanted with organic substitutes. As we've seen, many plant species can help repel certain types of insects, but there are also natural substances and compounds that are effective in preventing pests. Milky Spore Grub Control - a compound made from *bacillus popilliae* spores - is a product that can be spread onto the lawn to provide a natural and effective grub control. Horticultural, cottonseed and soybean oils are effective pesticides for many types of ornamentals. Pyrethrins - naturally occurring insecticides made from the chrysanthemum - can be found in powder form and, though not long lasting, can produce fast and highly effective pest-killing results. Diatomaceous earth is a naturally occurring, chalk-like sedimentary rock that is crumbled into a fine white powder and used as a lawn insecticide. It absorbs lipids from the insects' exoskeletons and causes them to dehydrate, and is very effective for all types of bugs. For certain bugs, as well as crabgrass, try corn gluten. There are even natural plant pesticides you can make at home utilizing certain types of oils and citrus juices. The next time you need to apply a pesticide to your lawn or landscaping features, take a look at the following to gather some great ideas:

www.beyondpesticides.org/pesticidefreelawns/resources/index.htm
www.organiclawncare101.com/articles.html
http://vegetablegardens.suite101.com/article.cfm/organic_pest_control_and_pesticide
www.colostate.edu/Dept/CoopExt/4DMG/VegFruit/organic.htm

A Note on Bugs >

When landscaping and caring for our lawns, it is important to remember that not all bugs are bad. Of course, there are those types that are particularly burdensome and cause a lot of damage if left to their natural actions. Other types of bugs, however, are an essential part of any healthy backyard ecosystem and are in fact beneficial to our lawns and landscapes. The earthworm, though not actually an insect, converts organic material into nutrients that plants can absorb, loosens the soil making it easier for roots to grow and air and water to circulate in the soil, increases the soil's water retention capability, and brings minerals and other nutrients located deep in the soil to the top layer where they can be absorbed by the plants. Some species of ground beetles and certain species of ants, as well, are carnivorous and feed upon the pest insects found in many lawns. Spiders, though also not classified in the insect family, catch and eat many of the pests that commonly disturb our

...savings
for a typical
quarter-acre
lot where
clippings were
left on the
lawn amount
to almost \$100
for fertilizer
and plastic
bags

...home-owners
use 10 times
the pesticides
per acre that
farmers use

...one acre of
lawn costs
\$400 to \$700
per year to
maintain

lawns. The following chart shows some other insects that prey on the damaging insects in our yards.

Assassin bug	Aphids, caterpillars, potato beetles, Japanese beetles, leafhoppers, Mexican bean beetles
Damsel bug	Aphids, leafhoppers, mites, caterpillars
Big-eyed bug	Aphids, caterpillar eggs and larvae, immature bugs, leafhoppers, spider mites
Predacious stink bug	Potato beetles, caterpillar larvae
Syrphid fly larvae	Aphids, mealybugs
Lady beetle	Aphids, mealybugs, spider mites
Green lacewing larvae	Insect eggs, aphids, spider mites, thrips, leafhopper nymphs, caterpillar larvae
Trichogramma wasp	200 pest insect eggs including cutworms, corn borers, corn earworms, armyworms, codling moths
Encarsia wasp	Greenhouse whiteflies

Table 1 - Beneficial bugs (noted in green) and the pests they prey upon

Visit the links below for some great resources to help you start targeting the pests with the help of beneficial bugs.

- www.helpfulgardener.com/organic/2006/beneficial.html
- www.beneficialinsects101.com/garden-insects-article.html
- www.ext.colostate.edu/Pubs/water/xcm221.pdf
- www.ext.vt.edu/pubs/plantdiseases/450-725/450-725.html

Saving a lot >

The health of Colonial Heights’ waters starts in our yards. Utilizing natural and organic fertilizers, pest repellants and organically-based planting and maintenance practices will help you save time, headaches and money, but will also keep a significant amount of chemicals from finding their way into Swift and Oldtown Creeks and the Appomattox River. With the help of some good resources and a little advanced planning, our lawns can be as healthy and attractive as our waters.



10 Easy Ways to Conserve Water



Do the following headlines sound familiar:

'Rainfall Four Inches Below Normal'... 'Groundwater Deficit'...
'Lake Chesdin at Low Levels'... 'Localities to Institute Water Restrictions'?

In a hot, dry Virginia summer, they should...

Our most important resource

All of us realize that water is an important resource in our lives, but sometime we forget just how important it is to our health, our welfare and our economy. About 60% of the human body, for example, is water. Muscle tissue is 75% water by weight, blood is 95% water, and the human heart is roughly 75% water. It takes 37 gallons of water to produce, package and ship the beans in your morning cup of coffee, and 4,200 gallons of water to produce just two pounds of beef.

It's clear, then, that water is entirely more important than we often give it credit for. The facts above, taken together with the fact that only about 1 to 2% of the world's water is suitable for human consumption, clearly demonstrate that it's an area where conservation is important.

Water mandates

We're all familiar with the dry months of July and August when our lawns dry up and we begin to hear headlines about low water levels and water restrictions. In Colonial Heights, Ordinance 07-26 authorizes water restrictions when "the Appomattox River Water Authority (ARWA) requests or directs such restriction or when the governor... or other state or federal authority, pursuant to applicable law, declares an emergency [or] imposes mandatory water conservation measures." Under this authority, the City Manager imposes either voluntary or mandatory usage restrictions, dependant upon the severity of the shortfall. The restrictions include limits on lawn and landscape watering, limits on the washing of paved areas, vehicle washing and pool filling, among other actions.

Penalties for violating mandatory restrictions include civil penalties ranging from \$50 dollars to \$400 dollars, and failure to pay any assessed penalty authorizes the City to collect the fine in any manner authorized for the collection of utility bills.

The good news about water conservation

We can help reduce the necessity for water restrictions like those mentioned by conserving water on a daily basis. The good news is that there are many easy steps we can take to limit our water usage and, by so doing, help conserve our most precious resource. Around the home, around the yard, and at work there are ways to conserve water that we may never have thought about before and that, with little effort and, in some cases, no added expense, can be incorporated into our daily routines. Remember, 1 to 2% of the world's water has to be shared between more than 6,710,000,000 people.



1. Check for leaks

Inside the home, checking for leaks can cut water usage by nearly 14 percent. Leaky toilets, for example, can waste as many as 30 gallons of water each day and dripping faucets can waste about 2,000 gallons of water each year. Leaky faucets, pipes and toilets are among the leading sources of water waste every year. Fixing them will not only help you conserve water, but could save you money on utility bills you probably didn't even know you were wasting.

2. Wash full loads

By washing clothes only when each load is a full load, you can save nearly half of the washing machine's capacity in water. Depending upon the size and settings of your washing machine, one load uses anywhere from 40 to 60 gallons of water. Washing only when each load is full inevitably lowers washing frequency, saves water and electricity; a savings you could notice in your water and electricity bills.

3. Be water-savvy in the kitchen

The kitchen presents some excellent opportunities for saving water. Instead of defrosting meats and other items by running them under water or letting them sit in a large container of water, plan ahead and allow your items to thaw in the refrigerator. This will save excess water and maximize electricity for which you are already paying. If you wash dishes by hand, use two basins: one for washing and another for rinsing. Doing so will save all the water you would normally use by leaving the rinse water running the entire time. As with the washing machine, only run the dishwasher when you have a full load. Instead of letting your faucet run a minute or two each time you want a glass of cold water, keep a jug or bottled waters in the refrigerator.

4. Run less - collect more

This might be the easiest one yet. When doing the routine things around the home, think about ways you can run less water and collect what you have run. For example, don't let the water run while shaving or brushing your teeth. Better, still, is brushing your teeth while showering - a great way to save both water and time. When doing things like rinsing fruits or meats, collect the water in a container below and use it to water plants. The excess water from cleaning out fish tanks, as well, is a great source for feeding thirsty plants. When bathing, ask yourself if you really need to fill the tub three-quarters of the way; four to five inches of bath water will get us just as clean.

5. Upgrade to save

When your old water heater goes out, or you have to replace it's elements yet again, consider getting an instant water heater. Several brands are now on the market, in both whole-house and point-of-use models. These water heaters are tankless, allowing you to conserve 60 or more gallons of

Cool facts about water...

Health & Body>

A person can go weeks, and sometime months, without food, but can only go about seven days without water.

A person needs at least 6 to 8 cups of water per day to replenish what we naturally lose .

Water makes up 95% of the contents of human blood.

Headaches are often caused by an insufficient amount of water in the body.

The human brain is roughly 80% water.

Drinking at least 8 glasses of water a day can help you lose weight by keeping your kidneys functioning at full strength, thereby metabolizing more fat.

If you feel thirsty, you are already partly dehydrated.

Caffeine often acts as a diuretic, depleting the body of water.

A 2% drop in our body's water supply can trigger signs of dehydration like fuzzy short-term memory, trouble with basic math, difficulty focusing on smaller print and daytime fatigue.

reserve while saving you money on your electric bill. You'll already be facing an expense on your old heater, and instead of rejuvenating it, an upgrade to an instant heater will save you a lot in the long run.

6. Build a rain barrel

Saving water is as easy and appropriate for the lawn and garden as it is inside the home. Building a rain barrel is an excellent way to conserve water by storing and utilizing the rain we do get during the times we do not get any. Rain barrels connect to a gutter downspout and have a built-in pump or spigot to release the water when you need it, and all are entirely sealed to prevent mosquitoes and animals from getting into them. You can buy a ready-to-use rain barrel or, by checking out the links below, build your own with little expense.

7. Water smartly

If you've made sure your spigot is leak-free, you can buy a timer for very little cost and set your sprinklers to water at, and for, ideal times. Watering is best between 2 and 7am because it ensures that no excess water is dried by the hot sun. Instead of watering once for 30 minutes or an hour, water for 15 minutes at three different intervals. This allows the water at each interval to soak in, preventing excess runoff caused by the rate of watering exceeding the rate of infiltration.

8. Back to the broom

During the dry summer months, use a broom or leaf blower to keep sidewalks, driveways and garage floors clean instead of rinsing them down with a water hose. A broom will do the trick without using all the excess water.

9. Go native

The new landscaping we all plan during the spring presents yet another opportunity to conserve water. Native plants, once established, are often heartier than plants not native to this area and are generally more adapted to our hot, dry summers. Plant choice and placement can greatly reduce the amount of water your landscaping requires.

10. Use your pool wisely

If you have a pool, there are several ways you can conserve water, both by protecting it and utilizing its contents. When back-flushing your filter, use the water on your plants and landscaping. Consider, also, getting a pool cover. This will help prevent water evaporation and, in so doing, reduce the amount and volume of necessary refills. There are many types of pool covers on the market: everything from roll-up covers to the handy, though more expensive, automatic pool covers. Additional benefits of keeping your pool covered are the facts that you'll have fewer insects and trash in it and have fewer concerns about unattended swimmers.

Cool facts about water...

Sources & Production>

11 gallons of water are used to irrigate and wash the fruit in one half-gallon jug of orange juice.

The average person uses anywhere from 75 to 110 gallons of water per day.

It takes 264 gallons of water to produce one quart of milk.

Oceans and seas contain 96% of the world's water, and 2% is contained in the world's icebergs.

Acting as an insulator, water helps regulate the earth's temperature.

80% of the earth's surface is water.

Nationally, people pay over 25 cents for their water utility on a daily basis.

An average of 20 gallons is used in a five-minute shower.

Water utilities process 38 billion gallons of water per day.

It takes 62,600 gallons of water to produce one ton of steel.

400 gallons of water are used to grow and produce 1 chicken.

Learn more...

Facts

www.epa.gov/ogwdw/kids/water_trivia_facts.html
www.epa.gov/safewater/sdwa/30th/factsheets/pdfs/fs_30ann_waterfacts_web.pdf
www.allaboutwater.org/water-facts.html

Around the home

www.deq.state.va.us/waterresources/waterconservation.html
www.engr.uga.edu/service/extension/publications/c819-1.html
www.americanwater.com/49ways.htm
www.ext.colostate.edu/pubs/consumer/09952.html
www.wateruseitwisely.com/100-ways-to-conserve/index.php

Conservation

www.epa.gov/watersense/

Landscaping

pubs.ext.vt.edu/426/426-713/426-713.html
www.aces.edu/pubs/docs/A/ANR-0790/WQ1.3.4.pdf
www.wateruseitwisely.com/100-ways-to-conserve/outdoor-tips/how-to/landscape-to-xeriscape/index.php
http://www.dcr.virginia.gov/natural_heritage/nativeplants.shtml

Rain Barrels

www.watershedactivities.com/projects/spring/rainbarl.html
www.ehow.com/how_4615763_build-install-rain-barrel.html

Where does my water go?

Shower	up to 32 gallons for an 8-minute shower
Bath	31 gallons
Toilet	4 gallons per flush
Dishwashing	by hand: 8 gallons per wash
	machine: up to 24 gallons per wash
Clothes Washing	up to 66 gallons per wash for a large automatic
Car Washing	30 to 80 gallons
Garden Sprinkler	varies; 250 gallons per hour is not unusual
Dripping Tap	anywhere from 8 to 132 gallons per day
Leaking Pipe	up to 80 gallons per day

Visit the following to learn more about what groups in Virginia are doing to conserve:

VA Naturally
www.vanaturally.org/vanaturally/comm_water.html

Soil & Water Conservation Association
www.vaswcd.org/propertyowners.htm

VA Conservation Network
www.vcnva.org/anx/index.cfm/1,258,928,0,html/
Water-Conservation-Tips

Soil & Water Conservation Society\VA Chapter
www.bse.vt.edu/swcs/

Department of Public Works
201 James Avenue
Colonial Heights, VA 23834
(804) 520-9334
www.colonial-heights.com/PublicWorks



OUR HAZARDOUS HOUSEHOLDS

There are three things that the winter season is certain to bring with it: chores, chores and chores! Inevitably, indoor projects, fall cleanings and holiday decorating require us to clean and reorganize areas in and around our homes. Fortunately for the space in our homes, these projects usually result in the accumulation and disposal of solid waste. Unfortunate for our local waterways, however, is the fact that solid debris is one of the most significant contributors to the amount of pollutants found in our waters. Man-made, solid material that enters our waterways, either directly or indirectly, accounts for roughly 86% of the trash found in Virginia's rivers and on Virginia's beaches.

The good news is that there are many simple steps each of us can take to reduce the amount of solid debris we produce. Practicing these will not only save our valuable water resources, they'll save us time, money and possibly backaches during our winter projects.

Reduce...Reuse...Recycle

Sure, it sounds cliché but if we really stop to think about the things we buy, why we buy them, and the amount that we use them, we can save ourselves significant expenditures and rid ourselves of a lot of household clutter. Since the easiest way to eliminate solid waste is by preventing it from ever becoming unwanted debris, try implementing the following steps around your home.

Reduce

- Look for items packaged with minimal packaging
- Buy in bulk when practical
- Avoid disposable, single-use items
- Buy concentrates
- Rent instead of buying; this works particularly well in cases where you'll only need the item a few times

Reuse

- Use cloth bags when shopping; most places offer a discount for this
- Pack your lunch in reusable food containers
- Use rechargeable batteries
- Use refillable pump/spray bottles
- Buy milk and water in refillable bottles

Recycle

- Participate in recycling programs; each item you recycle is likely one less that needs to be produced
- Buy recycled products; the recycling loop is not closed until we purchase products made from recycled materials



Reducing means less clutter, fewer backaches and more free time.

Remember

One half of all our household solid waste comes from the packaging of the things we buy.

It's estimated that 100 billion pieces of junk mail are delivered to mailboxes every year, an amount that requires 100 million trees to create. An estimated 30% of all mail delivered in the U.S. is junk mail, thrown away to become solid waste before its even opened. Take steps to cut down on your junk mail:

1. **Ask to be removed** - contact the [Direct Marketing Association](#) and ask to be removed from their affiliates' lists
2. **Ask for privacy** - when giving your name and info for any business transaction, ask that your info not be added to marketing lists
3. **Phone books** - consider an unlisted number, or request that the company list only your name and not your address
4. **Return to Sender** - any mail with *Address Correction Requested* or *Return Postage Guaranteed* can be returned unopened by writing *Refused-Return to Sender* on the envelope



The top 10 products recycled in 2009 were:

Computers
Batteries
Televisions
Paint
Aluminum Cans
Used Motor Oil
CFLs (Compact Fluorescent Lamps)
Glass
Fluorescent Lamps
Christmas Trees

Source: Earth911

7 Things You Probably Didn't Even Know Were Recyclable:

1. Batteries
2. Crayons
3. Wine Corks
4. Hair
5. Holiday Lights
6. Trophies
7. CDs/DVDs/Cassettes

THE GLOBAL LEADER

The United States have long led the world in many categories of global production. As with anything, this unfortunately means we lead the rest of the globe in some not-so-attractive categories. As of 2006, the United States produced around 236 million tons of waste annually, and by 2007 that number had increased to 254 million tons. The average American throws away nearly 5 pounds of trash on a daily basis. Despite making up only 5% of the world's population, the United States produce 30% of the world's waste. In only a year, Americans throw away

around 26,800,000 tons of food, 8,550,000 tons of furniture and furnishings, and 6,330,000 tons of clothing and footwear.

Unfortunately, 80% of all products that are produced in the United States are used only once and then discarded, and 95% of plastic and 50% of all of the aluminum beverage cans that are thrown away never get recycled. By reducing, reusing and recycling we can help change these statistics, save ourselves time, money and backaches, and most importantly, help protect our invaluable water resources.

Table of Trash Types and Percentages

Trash Type	Percentage	Tonnage
paper	40.4%	71.6 million tons
yard trimmings	17.6%	31.6 million tons
metals	8.5%	15.3 million tons
plastics	8.0%	14.4 million tons
food scraps	7.4%	13.2 million tons
glass	7.0%	12.5 million tons
other	11.6%	20.8 million tons (<i>rubber, leather, textiles, wood, miscellaneous inorganic wastes</i>)

According to the 2001 International Coastal Cleanup, these ten items accounted for 85% of all the litter debris found in and along Virginia's waters:

1. Cigarette butts/cigarette filters
2. Bags/food wrappers
3. Beverage bottles (plastic) 2 liters or less
4. Beverage bottles (glass)
5. Beverage cans
6. Cups, plates, forks, knives, spoons
7. Caps, lids
8. Fast-food containers
9. Straws, stirrers
10. Tobacco packaging/wrappers

Harmful Impacts of Debris

- ◆ Each year, more than 100,000 marine mammals die when they ingest littered debris.
- ◆ 2 million seabirds die every year due to debris ingestion and entanglement.
- ◆ According to the National Oceanic and Atmospheric Administration (NOAA), marine debris threatens over 265 different species of marine and coastal wild-life.
- ◆ Virginia's Department of Transportation (VDOT) spends more than \$6 million to remove litter from our roadsides.
- ◆ Millions of dollars are spent every year in Virginia and across the U.S. just to minimize the damage of littered debris.

Dollars and Sense

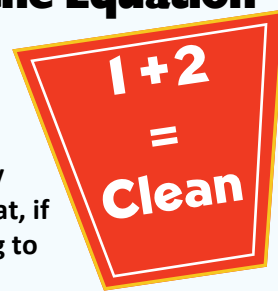
Practicing the "3 Rs" doesn't just protect our waters; it saves us money and that just makes good sense.

- Recycling one aluminum can saves enough energy to run a TV for three hours - or the equivalent of a half a gallon of gasoline.
- \$1 out of every \$11 Americans spend for food goes for packaging.
- One pound of recyclable aluminum is worth 85¢, on average.
- The average bottled water costs \$1.60; a savings of well over \$500 per year for a person who switches to a reusable bottle.



...the Other Part of the Equation

Solid waste is unfortunately just part of the danger our homes pose for our waters. Hazardous wastes are a significant source of the pollution in our rivers, streams, and lakes. Many of the harmful chemicals used in the cleaners, solvents and pesticides we use on a regular basis in and around our homes end up severely degrading the health and habitat of our watercourses. Holiday clean-up, winter room renovations and closet reorganizations all utilize solvents and chemicals that, if handled, used and disposed of in a more environmentally-friendly way, could be far less damaging to our waters.



Again, there are some simple things each of us can practice around the home to reduce the amount of hazardous waste we produce. In disposing of any chemical agents or solvents containing chemical agents, **NEVER** pour them down a floor drain or a storm sewer. The City Recycling Center, located behind the Sheetz on Conduit Road, accepts many types of chemicals and solvents. To find out more, call them at 479-7056 or visit their [website](#). For disposal of

insecticides, poisons, acids or other caustic compounds, appliances containing Polychlorinated Biphenyls (PCBs) or other toxic materials, please contact the [Central Virginia Waste Management Authority](#) at 800-732-3493 or [Safety-Kleen](#) at 804-748-3767. When storing, write the date of purchase on each item's



Projects that clean the home don't have to jeopardize our waters.

container with a permanent marker to keep a check on the age of any item and follow any and all disposal labels carefully. Keep all substances in their original containers and make sure to properly dispose of items if their containers have become corroded or unstable. Do the same for items intended for exterior use, but also make sure that any items such as these are stored above ground level, in a covered area, where there is no potential for them to come in contact with any

stormwater runoff. In the event that any chemicals or solvents leak or are spilled onto the ground or impervious surfaces like paved driveways or sidewalks, use absorbents and a broom and dustpan to clean them up rather than a water hose. Remember that ultimately, everything we dispose of - whether its yard waste or household chemical cleaners and solvents - can end up

impacting our local waters. Clean houses don't have to mean dirty waters.



LESS MEAN...MORE CLEAN

Household cleaners don't have to be as mean as they are to be effective. Many of them can be much less damaging to the environment than they currently are and yet be equally as effective in performing the cleaning task for which you need them.

Think alternatively:

Alternative cleaners generally refer to cleaners that can be made at home, using non-toxic or less toxic chemicals than those found in commercial cleaners. Some alternative cleaners still utilize synthetic products by substituting the most toxic ingredients for alternatives, while other alternative cleaners utilize all natural ingredients, staying entirely away from synthetics. The best way to decide which type of alternative works for you is to evaluate what your cleaning needs are specific to the types of stains or substances you find yourself regularly cleaning; some heavier commercial stains or substances might require a less toxic alternative, while many of the common household surfaces and stains are easily cleanable and removable using a non-toxic alternative.

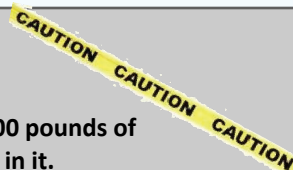
Ingredients common to many of the less toxic alternatives include the following:

Baking Soda - Cleans and deodorizes. Softens water to increase sudsing and cleaning power of soap. Good scouring powder.

Borax - Cleans and deodorizes. Excellent disinfectant. Softens water. Available in laundry section of grocery store.

Soap - Is non-toxic. Available in grocery stores and health food

HOME SWEET HAZARD



- The average home has 50 to 100 pounds of hazardous chemicals & solvents in it.
- American households generate 1.6 million tons of hazardous wastes annually.
- **Chlorine** - found in common household cleaners like bathroom disinfectants, window & oven cleaners, and furniture polish - is the #1 cause of child poisonings.
- Bathroom cleaners often contain *sodium hypochlorite*, a corrosive that irritates or burns skin & eyes, causes fluid in the lungs, & can lead to coma or death.
- Less than 2% of synthetic chemicals have been tested for toxicity, mutagenic, carcinogenic, or birth defects.
- An EPA survey concluded that indoor air could be as much as 70 times more polluted than outdoor air.
- National Cancer Association released results of a 15 year study concluding that women who work in the home are at a 54% higher risk of developing cancer than women who work outside the home.
- There are more than 3 million poisonings every year. Household cleaners are the #1 cause of poisoning of children.

stores. Sold as liquid, flakes, powder or in bars. Bars can be grated to dissolve more easily in hot water. Insist on soap without synthetic scents, colors or other additives.

Washing Soda - Cuts grease and removes stains. Disinfects and softens water. Available in laundry section of grocery store or in pure form from chemical supply houses as "sodium carbonate."

White Vinegar or Lemon Juice - Cuts grease and freshens.

Try the following recipes to begin making your home less toxic and less dangerous to our waters and our environment:

Household Cleaner -- Mix together:

1 tsp. liquid soap (castile, peppermint)

1 tsp. borax

Squeeze of lemon

1 qt. warm water

OR

¼ c. baking soda

½ c. borax

½ c. vinegar

1 gal. water

Window Cleaner -- Mix together:

2 tsp. vinegar

1 qt. warm water

OR

2 tbsp. borax

3 c. water

Mildew Remover -- Dissolve together:

½ c. vinegar

½ c. borax in warm water

Apply with sponge or spray bottle

Furniture Polish

(Wood Surfaces) --

Rub toothpaste on wood furniture to remove water marks.

Polish wood with 2 tsp. lemon oil and 1 pint mineral oil in spray bottle. Spray, rub in and wipe clean.

Mix two parts olive oil to one part lemon juice. After rubbing the mixture in, let stand for several hours and then polish with a soft, dry cloth.

Melt 1 tbsp. carnauba wax into two pints mineral oil. Use sparingly and rub hard.



Using alternative cleaners protects your family and our waters.

These are just a few of the [many alternative cleaner recipes](#) that you can utilize to help make your home much less toxic than it is now. By doing so, you'll be healthier and will also be helping protect our waters.

The Problem with Pills...

What's above our sinks can often be as dangerous to our waters as what's below them: pharmaceuticals are increasingly being discovered in the nation's waters and in the animals that inhabit them. Studies discovering antibiotics such as penicillin, tetracycline, and vancomycin as well as hormone-disrupting compounds like endocrine continue to demonstrate the threat that medicine disposal from homes poses to our waters and our health. In waters with significant enough quantities, these chemicals have been found to severely alter the reproduction of species, turning male fish to female. Even more, researches are increasingly concerned that the presence of antibiotics will result in the presence of 'superbugs', new strains of bacteria that are resistant to antibodies. Pharmaceuticals enter our waters when they are flushed down the toilet or dumped down the sink, as wastewater treatment plants are not equipped to filter them.

If no local collection option exists for you, mix all old or unused pills together with such undesirable items as used coffee grounds and kitty litter in a securely sealable bag and discard in the garbage. Never put them down a sink or flush them down a toilet!

o Collecting Your Pet's Waste

Animal waste is a significant contributor to the bacteria and pollutants found in our waters. It deposits harmful bacteria into our drinking, swimming, fishing and recreational waters. The Appomattox, much like our other waterways, contains high amounts of fecal coliform as a result of animal waste. Picking up after your pet is a simple and easy way to help decrease the amount of contaminants that end up in our waters. Virginia's Department of Conservation and Recreation (VDCR) lists the following 10 reasons why picking up pet waste benefits our environments:

1. *Stormwater carries pet waste and other pollutants directly into waterways.*
2. *Animal waste adds nitrogen to the water. Excess nitrogen depletes the water's oxygen, which is necessary for healthy underwater grasses, wildlife and fish.*
3. *Animal waste contains harmful organisms such as Giardia, Salmonella and E. coli that can be transmitted to humans and other animals by ingesting contaminated water.*
4. *Roundworms and hookworms deposited by infected animals can live in the soil for a long time and be transmitted to other animals and humans.*
5. *It's the law! Many urban and suburban areas require you to pick up after your pet. Even if there is no restriction, cleaning up after your pet is the right thing to do.*
6. *By joining the growing number of responsible pet owners, you might encourage hotel managers to accept pets when you're traveling and keep extra fees to a minimum.*
7. *Let's face it - no one likes to step in pet waste and spread it into homes, cars and businesses.*
8. *Scooping on a daily basis and applying lime will help prevent odors.*
9. *It's easy to clean up by carrying small plastic bags and paper towels in your pocket. The bags can be secured and thrown away in the garbage.*
10. *Your neighbors will appreciate the good manners.*

From Colonial Heights Stormwater Management Program website, available at

www.colonial-heights.com/StormwaterManagementSteps.htm

PET WASTE

TRANSMITS DISEASE

LEASH AND CLEAN

UP AFTER

YOUR PET



**PLEASE KEEP
THIS AREA
CLEAN**

DOG SPOT



PLEASE CLEAN UP
AFTER YOUR DOG!



**FLORA M. HILL
PARK**
CITY OF
COLONIAL HEIGHTS
DEPARTMENT OF
RECREATION & PARKS

**TRESPASSING
AFTER DARK**



LORA M. HILL
PARK
CITY OF
COLONIAL HEIGHTS
DEPARTMENT OF
RECREATION & PARKS
NO
TRESPASSING
AFTER DARK

DOG WASTE

IS A THREAT TO THE HEALTH
OF OUR CHILDREN - DEGRADES
OUR TOWN - TRANSMITS DISEASE

LEASH - CURB AND
CLEAN UP
AFTER YOUR
DOG



ITS REQUIRED BY LAW!
MINIMUM FINE
\$ 25.00

What is Low Impact Development (LID)?

Have you ever wished you could simultaneously lower your site infrastructure costs, increase your project's marketability and protect the environment? You may have, but then you probably assumed that was impossible. With LID techniques, you can. LID is an ecologically friendly approach to site development and storm water management that aims to mitigate development impacts to land, water, and air. The approach emphasizes the integration of site design and planning techniques that conserve the natural systems and hydrologic functions of a site.



Low Impact landscaping utilizes techniques that conserve the natural systems and hydrologic functions of a site.

For more information visit the following:

- www.lowimpactdevelopment.org
- www.lid-stormwater.net/background
- www.epa.gov/nps/lid

Colonial Heights Department of Public Works

201 James Avenue
Colonial Heights, VA 23834

Phone: (804) 520-9334
Fax: (804) 520-9203
www.colonial-heights.com



Builder's Guide to Low Impact Development

Would you be interested in saving upwards of \$70,000* per mile in street infrastructure costs by eliminating one lane of on-street parking on residential streets? Did you know that communities designed to maximize open space and preserve mature vegetation are highly marketable and command higher lot prices? Are you aware that most homeowners perceive Low Impact Development practices, such as bioretention, as favorable since such practices are viewed as additional builder landscaping? Did you know that by reducing impervious surfaces, disconnecting runoff pathways, and using on-site infiltration techniques, you can reduce or eliminate the need for costly storm water ponds?



*Assumes paving costs of \$15/sq yd

LID Benefits

In addition to the practice just making good sense, LID techniques can offer many benefits to a variety of stakeholders.

Developers

- Reduce land clearing and grading costs
- Potentially reduce infrastructure costs (streets, curbs, gutters, sidewalks)
- Reduce storm water management costs
- Potentially reduce impact fees and increase lot yield
- Increase lot and community marketability

Municipalities

- Protect regional flora and fauna
- Balance growth needs with environmental protection
- Reduces municipal infrastructure and utility maintenance costs (streets, curbs, gutters, sidewalks, storm sewer)
- Increase collaborative public/private partnerships

Environment

- Preserve integrity of ecological and biological systems
- Protect site and regional water quality by reducing sediment, nutrient, and toxic loads to water bodies
- Reduce impacts to local terrestrial and aquatic plants and animals
- Preserve trees and natural vegetation

Case Study

Kensington Estates is a conventional development on 24 acres consisting of 103 single-family homes in Pierce County, WA. A study was conducted to redesign the site using a new state storm water model and to illustrate the full range of LID practices and technologies available to developers. Overall, the redesigned LID site could have:

- Resulted in construction cost savings of over 20%;
- Preserved 62% of the site in open space;
- Maintained the project density of 103 lots;
- Reduced the size of storm pond structures and eliminated catchments and piped storm conveyances; and
- Achieved “zero” effective impervious surfaces.

LID Site Planning and Design Concepts

Successful LID projects simultaneously reduce land development and infrastructure costs while protecting a property’s natural resources and functions. During the development process, the designer, developer, and reviewing agency should work together to identify solutions that integrate the following concepts:

- Preserve Open Space and Minimize Land Disturbance;
- Protect and Incorporate Natural Systems (wetlands, stream/wildlife corridors, mature forests) as Design Elements;
- Utilize Neo-Traditional Street and Lot Layouts and Designs; and
- Decentralize and Micromanage Storm Water at its Source Using LID Storm Water Management Practices.

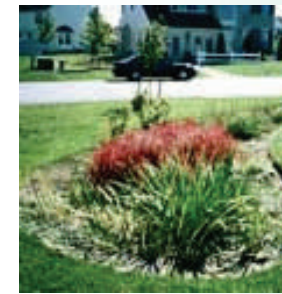
LID and Storm Water Management

LID aims to mimic natural hydrology and processes by using small-scale, decentralized practices that infiltrate, evaporate, and transpire rainwater. Specifically, LID aims to:

- Minimize impervious surfaces;
- Disconnect hydrologic elements (roofs, downspouts, parking areas);
- Maintain/increase flow paths and times; and
- Utilize decentralized treatment practices.

Bioretention Areas

Storm water directed to these shallow topographic depressions in the landscape is filtered, stored, and infiltrated into the ground using specialized



vegetation and engineered soils.

Grassed Swales

Water moving through these systems is slowed, filtered, and percolated into the ground. These systems can act as low cost alternatives to curbs,



gutters, and pipes.

CALL
520-2003

Help Protect Your Water!

from illegal dumping & illicit discharges...

Illegal discharges are:

- * polluted dumping
- * contaminated runoff
- * discolored outfall discharge
- * improperly connected floor drains



Illegal discharges can:

- * contaminate our water
- * cause fish kills
- * destroy our recreational areas and resources

Illegal discharges can be both intentional & unintentional. Dumping oils, solvents or yard waste into a storm drain, oily or soapy runoff from a business, leaky & unattended oil or chemical storage units, & discolored or chemical-smelling discharges from a sewer outfall all constitute an illegal discharge. These illegal discharges are punishable by civil & criminal penalties. They damage the health of Swift Creek, Old Town Creek &



the Appomattox River, and endanger our recreational and drinking waters. You can help: call the City's illegal discharge hotline & report any polluted discharges you see.

STOP Discharges...

CALL 520-2003

OR

REPORT ONLINE

Department of Public Works
City of Colonial Heights
201 James Avenue
Colonial Heights, VA 23834
(804) 520-9334



www.colonial-heights.com/PublicWorksStormWaterManagement

Anonymous callers welcomed

Citizens Action Center Home
Find Answers
Ask a Question
Make a Service Request
My Colonial Heights, VA

Service Request Type:

Stormwater Pollution

Description:

Report any miscellaneous stormwater pollution or illicit discharge.

***Location of Incident (please be as specific as possible):**

***Please check the type of stormwater pollution observed:**

- ☐ Materials being dumped down storm drain or onto parking lots, roads, and walks
- ☐ Litter pile, dump, or stockpile
- ☐ Earthen materials accumulated in or near ditches or drains
- ☐ Soil erosion visible from construction and maintenance activities
- ☐ Vehicle leaking fuel or oil products
- ☐ Illegal storm drain connection - a non-stormwater connection to the storm drain system

Submit

Cancel



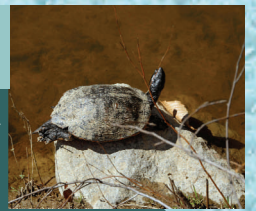
Adopt-A-Waterway

Colonial Heights

A large portion of the City of Colonial Heights - both on and within its borders - is home to some invaluable and historic waters. The Appomattox River, Swift Creek and Old Town Creek furnish us a source of drinking water, provide us recreational activities and sustain our environment, and have been a source of food and travel from the pre-colonial era to the present. These waterways, their tributaries and associated habitats contribute to our City's character, natural beauty and value. Unfortunately, the more our City develops the greater the chance of our waters becoming littered with trash and debris. This deteriorates the health of our waterways and makes them much less attractive.

Want to help keep the City's waterways healthy?...

You can help protect the health, natural beauty and value of our waters by adopting a portion of a waterway for clean-up. By participating in the City's Adopt-A-Waterway program you'll be playing an active role in protecting the City's natural resources. You and your organization's clean-up team can be a valuable part of maintaining our waters and protecting our world.



How it works...

Participants or participating groups sign up to clean a segment of a waterway in Colonial Heights, twice a year for a minimum of two years. The City will provide collection bags for the clean-up activities, and participants will be asked to fill out a short reporting form after each clean-up. Due to the nature of clean-up, adult participation is encouraged, but individuals between the ages of thirteen and eighteen may participate with authorization and supervision.

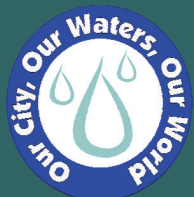
How you'll help...

By adopting a waterway you'll be helping contribute to the future of Colonial Heights' natural resources. The more the City grows and develops, the more important it will become to ensure that our waters stay pristine and continue to fulfill their unique purpose in our environment. Your participation will help achieve this, and by participating you'll be setting an excellent example for citizenship and environmental stewardship. You and your group's efforts will be recognized in City publications and in various locations throughout the City.



Getting started...

Getting started is easy: fill out an application, available on the City's website or in the Department of Public Works, Engineering Division office at 201 James Avenue in Colonial Heights. Clean-up activities will be encouraged on predetermined dates in the spring and fall of the year, and once you've informed the City (48) hours prior to clean-up activities, you'll be on your way to protecting our waters and playing a valuable role in the health of our City.



Department of Public Works, City of Colonial Heights
201 James Avenue
Colonial Heights, Virginia 23834
(804) 520-9334

www.colonial-heights.com/PublicWorksStormWaterManagement.htm





CITY OF COLONIAL HEIGHTS

P.O. Box 3401
COLONIAL HEIGHTS, VA 23834-9001
WWW.COLONIAL-HEIGHTS.COM

Department of Public Works Staff Report to Council

Date of Council Meeting:

Date of Report:

Item Title: Recommendation for Resolution to authorize implementation of
Colonial Heights Adopt-A-Waterway Program

Summary and Recommendation:

Staff recommends that City Council adopt a Resolution to authorize the implementation of an Adopt-A-Waterway program. The program fulfills one of the 72 "best management practices" (BMPs) as agreed upon in the Consent Special Order (CSO) executed between the City of Colonial Heights and the Department of Conservation and Recreation (DCR) related to the City's municipal storm sewer system permit.

Background:

In 2008 the City signed a Consent Special Order (CSO) with the Department of Conservation and Recreation (DCR). This CSO stipulates 72 best management practices (BMPs) to which the City has agreed to accomplish within the 5-year deadline of its municipal storm sewer permit with the purpose of reducing the pollutants in the City's stormwater runoff. One such BMP is the adoption and implementation of an Adopt-A-Waterway program.

Department of Public Works, Engineering Division staff subsequently investigated comparable programs implemented in jurisdictions throughout Virginia. The City's geographic features were then evaluated to determine what areas and/or water bodies were appropriate for inclusion in the program. Guidance and participatory documents were drafted and reviewed by the City Attorney and are attached as Exhibit A.

Adopt-a-waterway programs are designed much like adopt-a-street/roadway programs, in that citizens and civic groups have the opportunity to select areas of the jurisdiction for clean-up of litter and debris on some predetermined schedule. The jurisdiction, in turn, provides some level of support for the citizen(s)/group(s) conducting the clean-up. Some programs utilize a "stream and streambank approach" where participants remove litter and debris from both the water body's channel and the water body's banks; others utilize merely a "streambank approach." The selection seems generally based upon safety concerns related to the navigability of the water body, as well as the conditions for traversing the water body's banks. As well, jurisdictions seem split on whether or not to restrict these programs to City owned/authorized property or to pursue easements with private property owners.

A graphic showing the areas selected for inclusion is attached as Exhibit B. Based upon the evaluation mentioned above, it was determined that lands either owned by the City or under

Easement Agreement are most appropriate for a program such as this. This eliminates both the need for acquiring additional easements with additional property owners and the subsequent liability concerns of landowners. Based upon the physical characteristics of the City's surrounding waters, several of the areas selected for inclusion have been widened, relative to the traditional "streambank approach", in order to provide a larger area of impact.

Fiscal Impact:

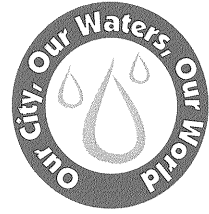
As is the case with the Adopt-A-Street program, the City will provide participants with trash bags for debris collection, as well as safety vests to return when collection is complete. The City will recognize participants in the program via the *City Focus*, the stormwater website and other methods generated in-house, thus having little fiscal impact.

Policy Implications:

In addition to satisfying one of the provisions of the CSO, the Adopt-A-Waterway program will facilitate the clean-up of 78 acres of land area (with groups conducting clean-up on their adopted area twice per year). Participants will document the number of bags collected during each clean-up activity in order that the amount of debris collected can be reported annually to DCR. As well, it encourages a stronger commitment to environmental stewardship and civic responsibility. It creates an additional opportunity for cooperative interaction between residents and the City.



CITY OF COLONIAL HEIGHTS Adopt-A-Waterway Program Overview



PROGRAM OBJECTIVE:

The objective of the Adopt-A-Waterway Program is to maintain the health, cleanliness and beauty of city streams and waterways.

PROGRAM DESIGN:

The Adopt-A-Waterway Program is an invitation to organizations and individuals to help take on the responsibility of maintaining the natural health and beauty of city waterways. Citizens, families, and organizations may volunteer to clean segments of selected streams and waterways on at least a semi-annual basis as an expression of environmental and municipal pride. Participants will be collecting bags of litter\debris.

PARTICIPANT CONDITIONS/EXPECTATIONS:

Participants will be expected to:

1. Contact the City to register the desired waterway(s). (This will allow the City to maintain records on the adopted waterways, to notify any affected personnel or groups, and to properly recognize the participant's efforts.)
2. Adopt a selected section of a waterway for a minimum of a two-year period (4 cleanups). Stream and waterway designations shall be made exclusively by the City and cleanup activities on any unauthorized segments are in no way endorsed by the City.
3. Notify the City at least forty-eight (48) hours prior to beginning any cleanup activities.
4. Collect litter twice per year so that the appearance of the area(s) is consistently clean.
5. Let the City know if you need to end the agreement so that others are free to adopt the waterway(s).

NOTE FOR PARTICIPANTS:

In order to maintain safety during cleanup procedure, the following conditions apply:

A. Persons under the age of eighteen (18) are not allowed to participate in the program without meeting the following criteria:

1. Have written authorization to participate from a parent\guardian; and
2. At least one (1) adult supervisor must accompany authorized participants under the age of eighteen when said participants number six (6) or fewer. If participants number more than six (6), an additional adult supervisor must be present. Thus for every six (6) participants under the age of eighteen, at least (1) adult supervisor must be present at all times during cleanup.

Other conditions include:

- B. Avoid any steep slopes and/or unsecured footings, avoid obstacles that might cause you to get too close to unsafe slopes, and avoid areas near swift water.
- C. Wear light-colored clothing for easy visibility.
- D. Wear gloves during any cleanup activities.
- E. Limit cleanup activities to the assigned area(s) only. **Unauthorized segments are not part of the Adopt-A-Waterway program.**
- F. Do not pickup materials that appear to be hazardous. Instead, contact the City of Colonial Heights Police Department regarding any materials that appear to be hazardous or an imminent danger to anyone.
- G. Work only in daylight and during fair weather conditions.
- H. Stay alert for snakes and noxious weeds and take measures to avoid them. Wear boots of at least ankle-height and long pants to avoid contact with either of the above.
- I. Do not overexert yourself; take breaks and drink plenty of water and hydrating fluids.

CITY RESPONSIBILITIES:

The City will:

- 1. Inform property owners, where applicable, of the date of sponsor(s) cleanup activity along designated waterway.
- 2. Provide sponsor(s) with safety vest(s) and collection bags.
- 3. Recognize sponsor(s) efforts in annual publications and related media.
- 4. Provide sponsor(s) with a certificate of recognition at the end of each two year sponsor period.

I have read the Program Overview, I understand its provisions, and I agree to be bound by it:

Signature of Participant / Sponsor

Signature of Parent / Guardian

.....

APPLICATION TO ADOPT-A-WATERWAY

Participant / Sponsor Information:

Name of Participant / Sponsor: _____

Affiliation (*if volunteering with an organization or group*):

Mailing Address:

Contact Person Phone Number:

Email:

Agreements:

The sponsor(s) agree that being granted approval to cleanup a city stream/waterway means that the following policies will apply:

1. This application shall have been approved by City staff prior to sponsor(s) beginning any cleanup activities.
2. Sponsor(s) agree to indemnify and hold harmless the City of Colonial Heights and any representatives thereof from ALL liability, judgment, costs, expenses and claims for damages or alleged damages of any nature whatsoever to any person, property or third party arising out of the performance of any cleanup activity or litter removal. Sponsor(s) will not go beyond assigned area or onto private property, and agree to heed the criteria listed under the **NOTE FOR PARTICIPANTS** as described on the program overview (preceding).
3. Signs and or any other equipment affixed to any land(s) shall not be removed, altered or damaged.
4. The sponsor(s) agrees to give the City forty-eight (48) hours notice of intention to begin cleanup. Notification shall be made to the City at the following:

City of Colonial Heights Department of Public Works, Engineering Division 201 James Avenue P.O. Box 3401 Colonial Heights, VA 23834 (804) 520-9334
--

5. The sponsor(s) acknowledges that all participants involved in this project are volunteers directed by and at the sponsor(s) discretion, and that the sponsor(s) accept full responsibility for any injuries or damages sustained by or caused by such participants. The sponsor(s) acknowledges that it or its

volunteers are solely responsible for their personal safety and are in no way considered to be employees of, or the responsibility of, the City of Colonial Heights.

6. The sponsor(s) agree that the City of Colonial Heights reserves the right to revise any of these criteria when deemed necessary and further reserves the right to revoke approval or deny participation when deemed appropriate.

.....
Please check:

☐ *By signing below, I hereby acknowledge that I have read and fully understand the foregoing Program Overview and Application, and hereby release the City of Colonial Heights, its officers and its employees from any liability or damages relating to or arising from my participation in the Adopt-A-Waterway Program. I further agree not to file any lawsuits, claims, or other causes of action, whether legal, equitable, administrative or other type, against the City of Colonial Heights, its officers and its employees, based on any incidents relating in any way to my participation in the Adopt-A-Waterway Program.*

☐ *I am at least eighteen years of age.*

☐ *I am under the age of eighteen and have provided the City of Colonial Heights with the appropriate parent/guardian authorization.*

Participant Name:

Participant Signature:

Participant D.O.B.:

____ - ____ - ____

Date: _____

Parent/Guardian Name (if applicable):

Parent/Guardian Signature for Minor (if applicable):

Date: _____

Authorized City Representative: _____

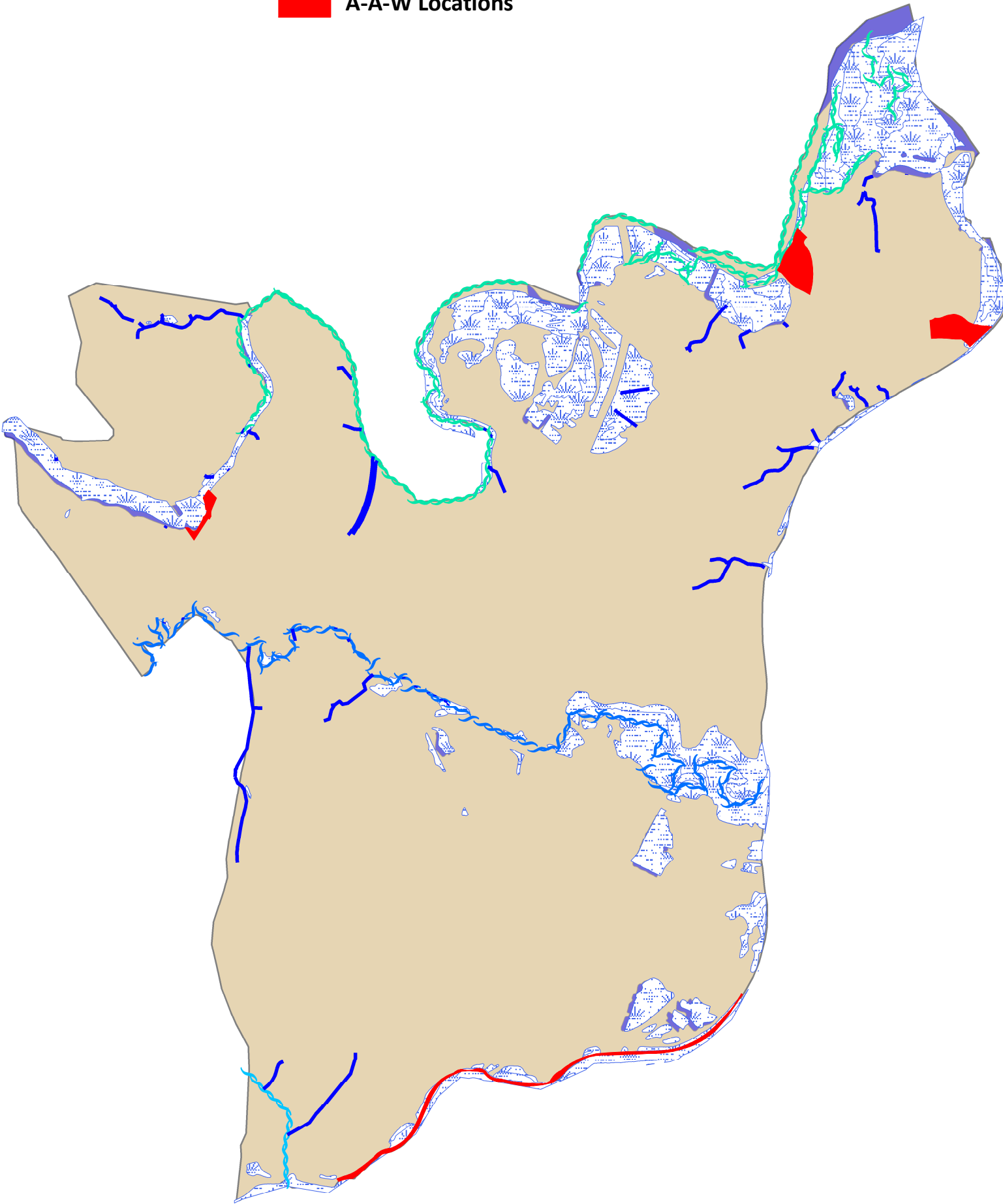
Date: _____

Notary Public

My commission expires:

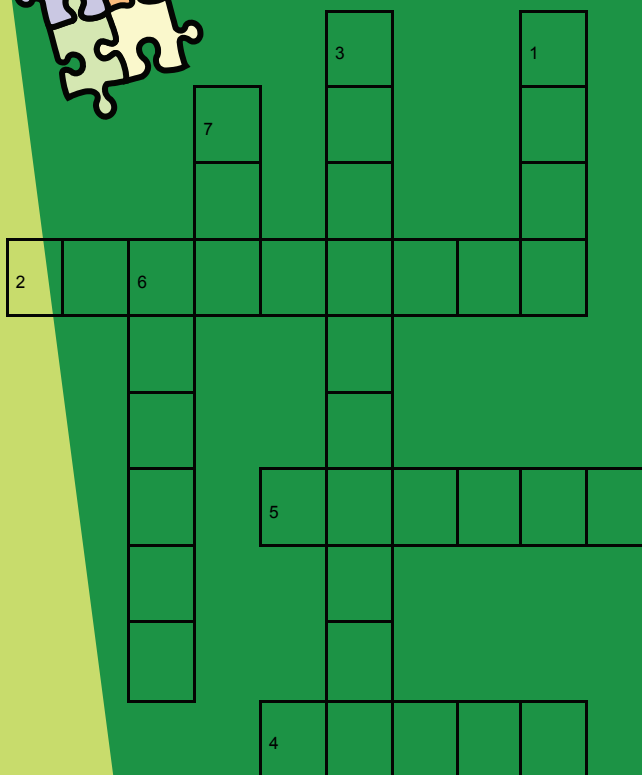
Proposed Adopt-A-Waterway Locations (City parcels adjacent to waterbodies)

 A-A-W Locations



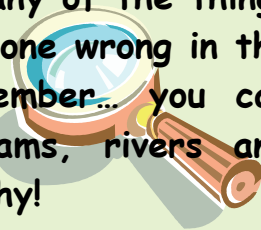


Stormwater crossword!



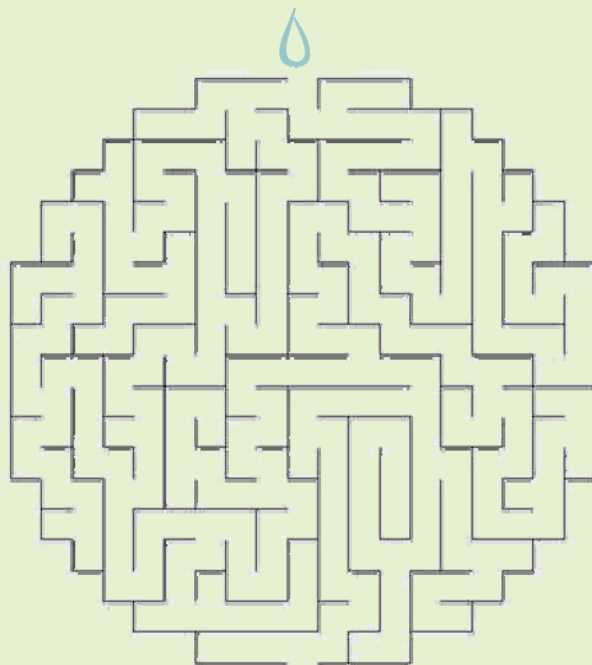
1. Stormwater is created by _____.
2. _____ makes streams, rivers and lakes unhealthy for fish and wildlife.
3. _____ is good for grass but can really hurt water quality.
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5. _____ carry many pollutants to the Bay and the ocean.
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7. Never pour _____ down the storm drain.

Be a stormwater detective! Look around your home and your yard to see if you can spot any of the things that you saw being done wrong in the picture inside. Remember... you can help keep our streams, rivers and lakes clean and healthy!



Follow the rain drop...

Help guide the rain drop through the maze and into the storm drain. Remember to make sure that it gets there without picking up any trash, oil or other pollutants.



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What happens when it rains?

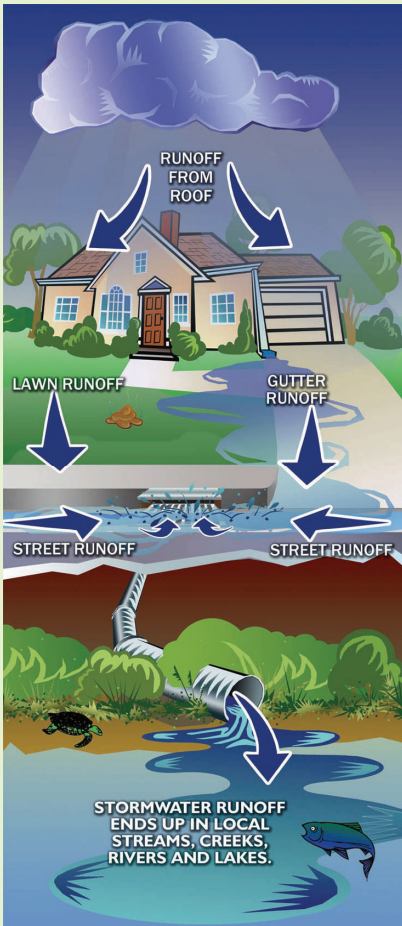


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pipes under the ground that catches all the runoff. The storm sewer carries the runoff to lakes, streams and rivers.

Runoff is not clean water, though. As rains run off of the ground and street they pick up all the dirt, oils, grease, trash and pollutants that are on the ground and the streets. All of this is washed into the storm sewer in just the same way a ball or a small toy is moved around when you spray it with a garden hose.

So any pollutant that ends up on the ground ends up in the waters. Pollutants make it hard for fish and other species to live. These pollutants can make us sick, too, and make the waters too dirty for us to swim and fish in.

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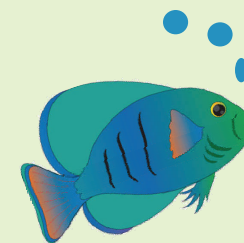


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Storm water word challenge

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W	V	L	I	D	J	O	Q	T	N
R	X	B	L	I	R	S	D	E	O
I	N	T	T	U	G	A	K	R	F
V	F	O	Q	Y	T	N	I	C	F
E	N	I	A	R	A	I	M	N	E
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N	H	S	I	F	K	M	A	N	T

Find and circle the stormwater words:



stream	lake
fish	runoff
water	drain
pollution	river
bank	rain





Be A Stream Protector

Do the things shown in the picture above with stars and never do those shown with a badge and you can help color your stream clean!



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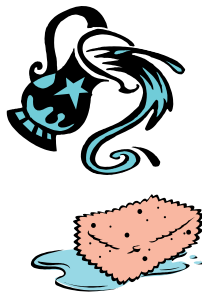
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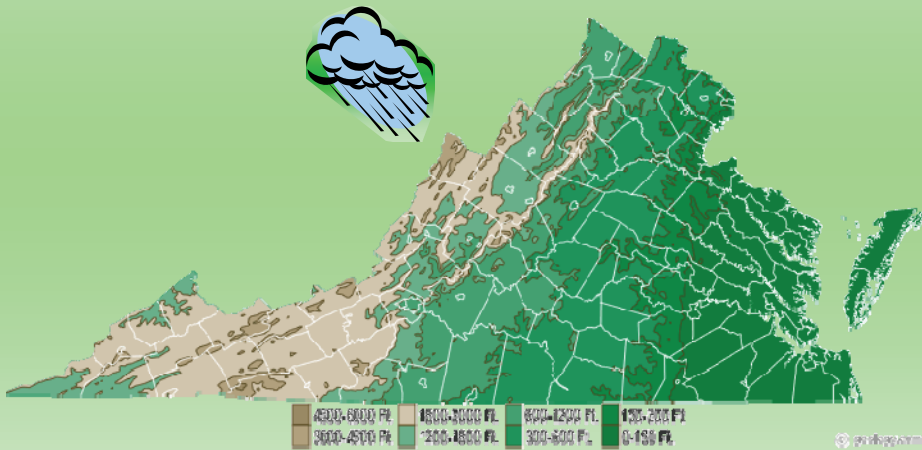
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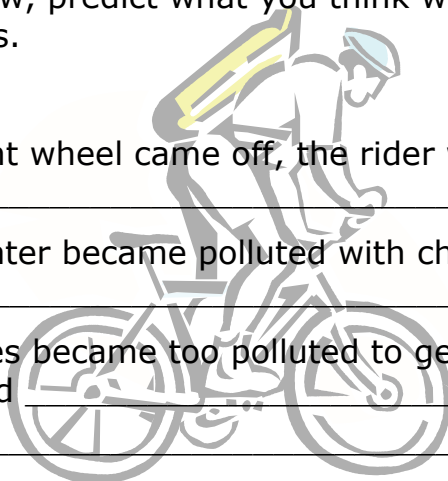
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More than 100,000 streams and rivers run through the Chesapeake watershed. These streams and rivers that eventually flow into the Bay are called tributaries. Everyone in the Chesapeake Bay watershed lives within a few minutes of one of these streams and rivers, which act like pipelines that carry rainwater from our communities to the Bay.

Check the states that are not in the Chesapeake Bay watershed:

- | | |
|----------------|-------------------|
| ___ New York | ___ Florida |
| ___ Kentucky | ___ Delaware |
| ___ Maryland | ___ Pennsylvania |
| ___ New Jersey | ___ West Virginia |



What Happened In Our Water?

Something is happening in our waters. When it rains, the water that runs off of our houses, cars, streets and lawns is called stormwater runoff. Pollutants from this stormwater runoff are collecting in our streams and rivers and polluting them. As stormwater runs across surfaces, it picks up dirt, mud, oil, chemicals, litter and fertilizers and carries them into our rivers and streams. These pollutants affect the health of the water’s habitats and make it difficult for animals and plants to live. In fact, pollutants in stormwater runoff are the leading cause of water pollution. How do these pollutants get into stormwater? Many of the actions people do on a regular basis allow many of the pollutants to collect in the runoff. Match the causes to the affects below to help find some clues about how runoff gets polluted.

- Litter _____.
Using too much _____.
Leaving or pouring _____.

1. fertilizer results in excess chemicals ending up in streams and rivers.
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Stormwater 4 Kids



COLOR YOUR WATER CLEAN



Coloring Book



City of Colonial Heights



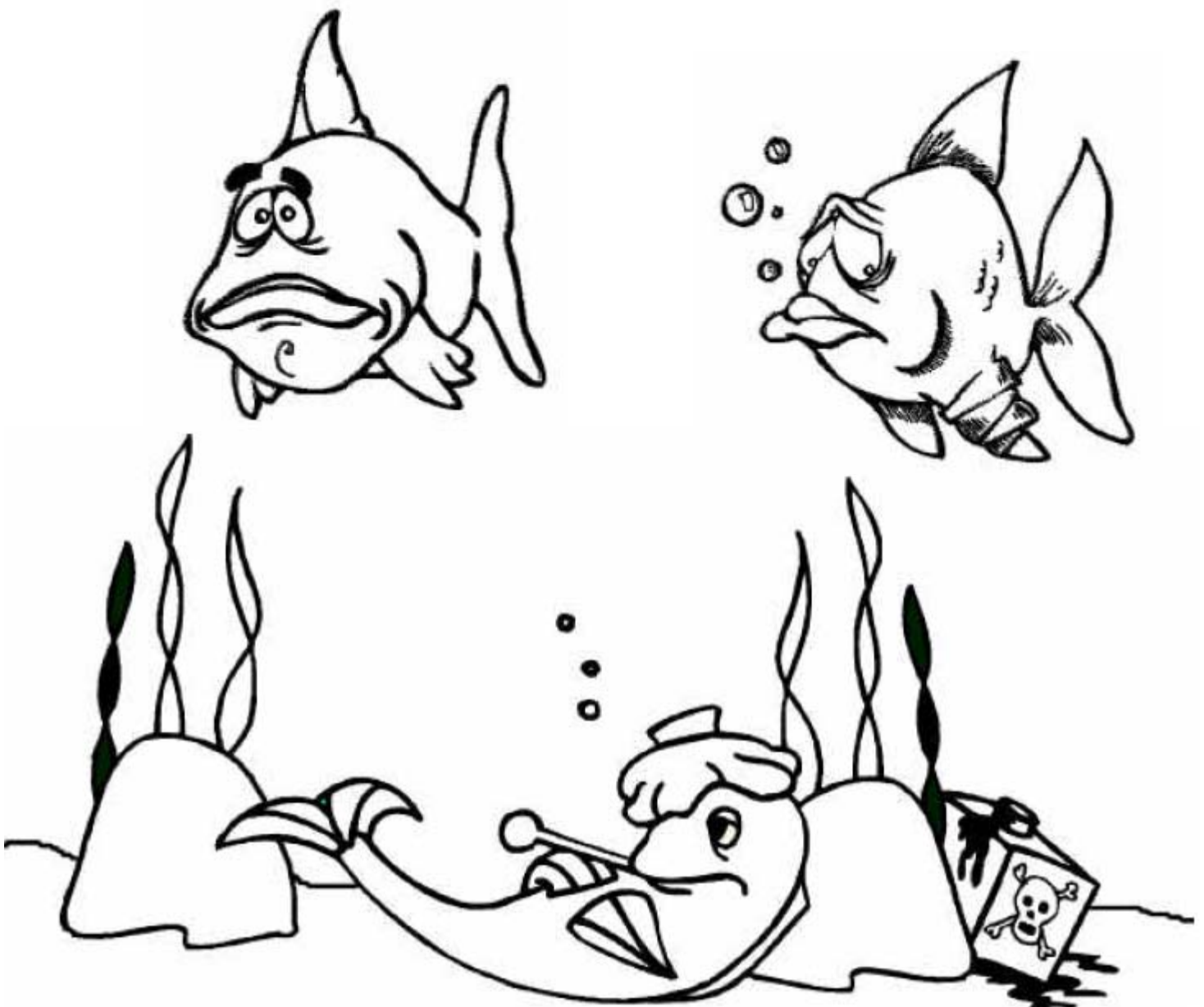
What's Wrong
with the
water?

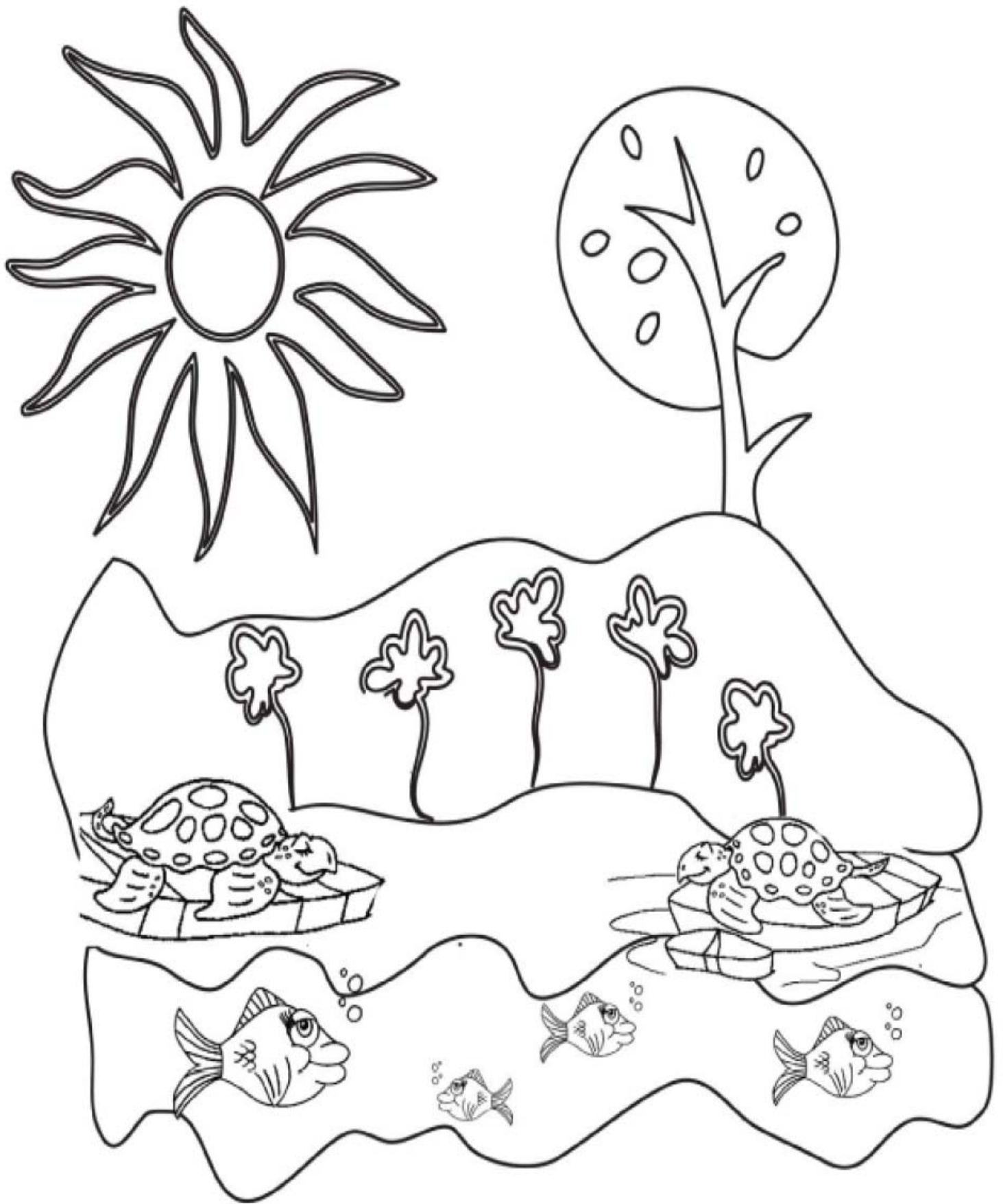
Why are the animals sick or moving out? The water may be polluted. One cause of water pollution is **STORM WATER POLLUTION**. This happens because water becomes contaminated with stuff like trash, dirt, oil, and sewage chemicals.



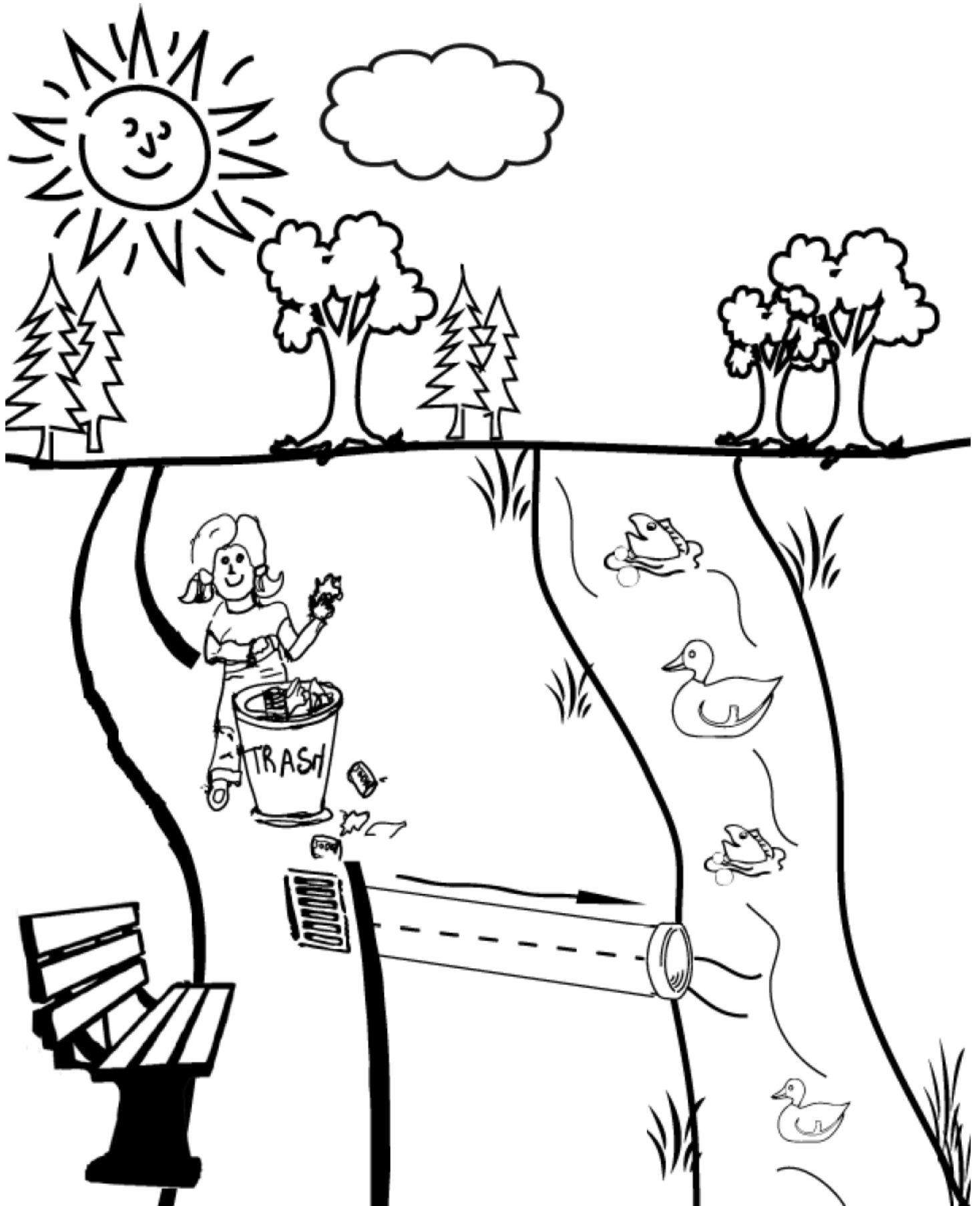
How does the water become polluted?

We cause pollution. When it rains, the water that flows over the streets and in drainage ditches picks up pollutants such as trash, dirt, pet waster, chemicals and more and carries them, untreated, into our rivers, streams and lakes.





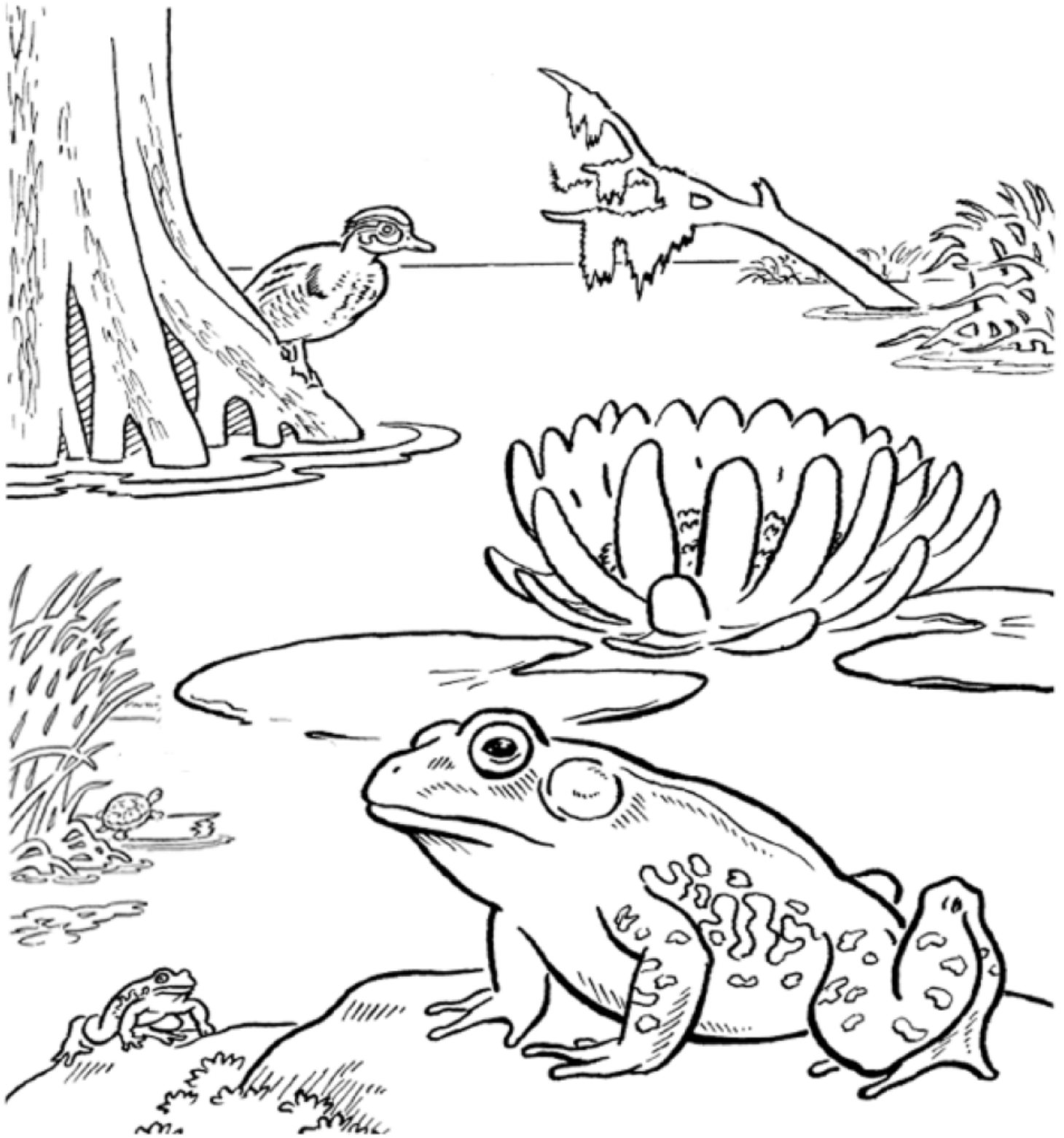
Give our water a hand! Do not dump trash into our rivers or canals. Let our plants, fish and turtles have a clean, healthy place to live.



What you drop means a lot! Help protect clean water by keeping litter and pollution out of storm drains.



Use care about what is poured on the ground. Things that should not be dumped onto the ground include: leftover paint, paint thinner, motor oil and all kinds of substances that are used to kill weeds and bugs.(small amounts of pesticides are not considered a major problem.)

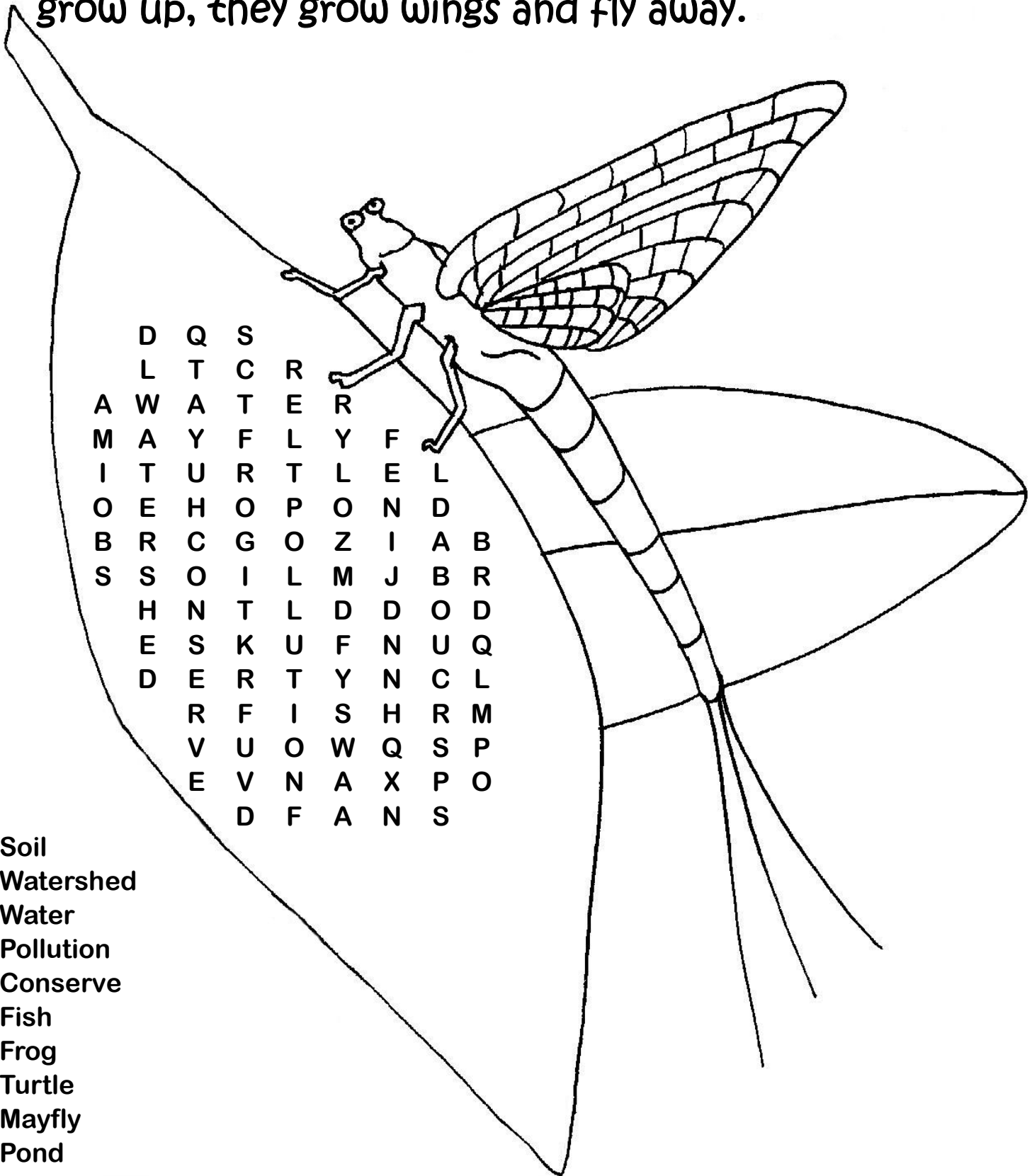


All life forms depend on clean water. Wetlands are essential, natural, living entities that must be protected for the common good—the good of the people and the good of the huge variety of animals, fish and plants that survive in these unique habitats.

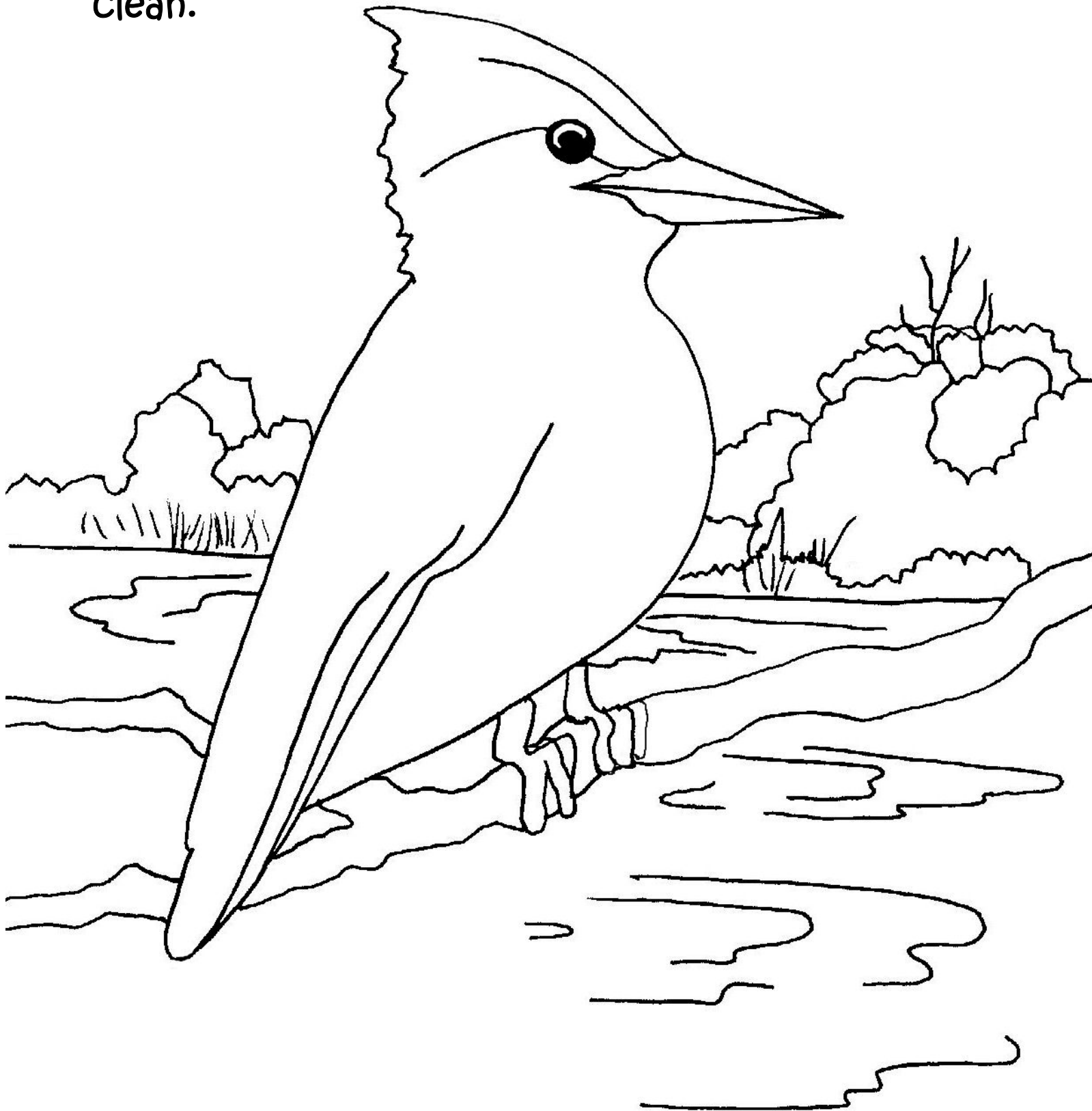
My name is Molly the Mayfly. Mayflies live in the water when they are babies. This is why it is so important to keep the water clean. When they grow up, they grow wings and fly away.

D	Q	S	R	R	F	L	
L	T	C	E	Y	E	N	B
A	A	T	L	L	N	I	R
M	U	F	T	O	Z	J	D
I	H	R	P	O	M	D	O
O	C	O	L	L	F	N	U
B	O	G	U	T	Y	N	C
S	N	I	S	I	S	H	R
	S	T	R	O	W	Q	S
	E	K	F	A	X	P	
	R	F	O	N			
	V	U	N	F			
	E	D	F	A			

- Soil
- Watershed
- Water
- Pollution
- Conserve
- Fish
- Frog
- Turtle
- Mayfly
- Pond



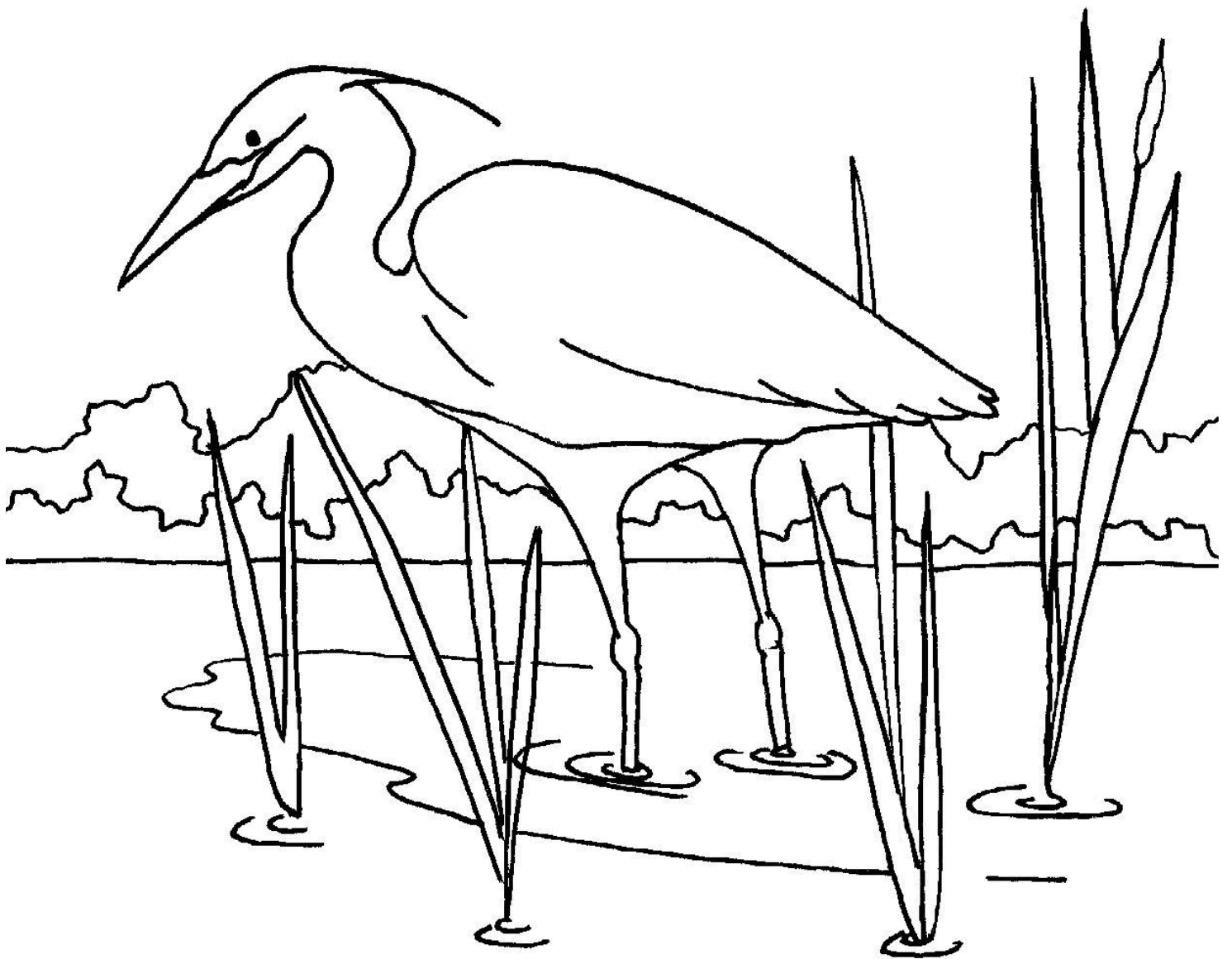
Hi! I am Karen the Kingfisher. I only eat fish. Fish need clean water to live so please keep their water clean.



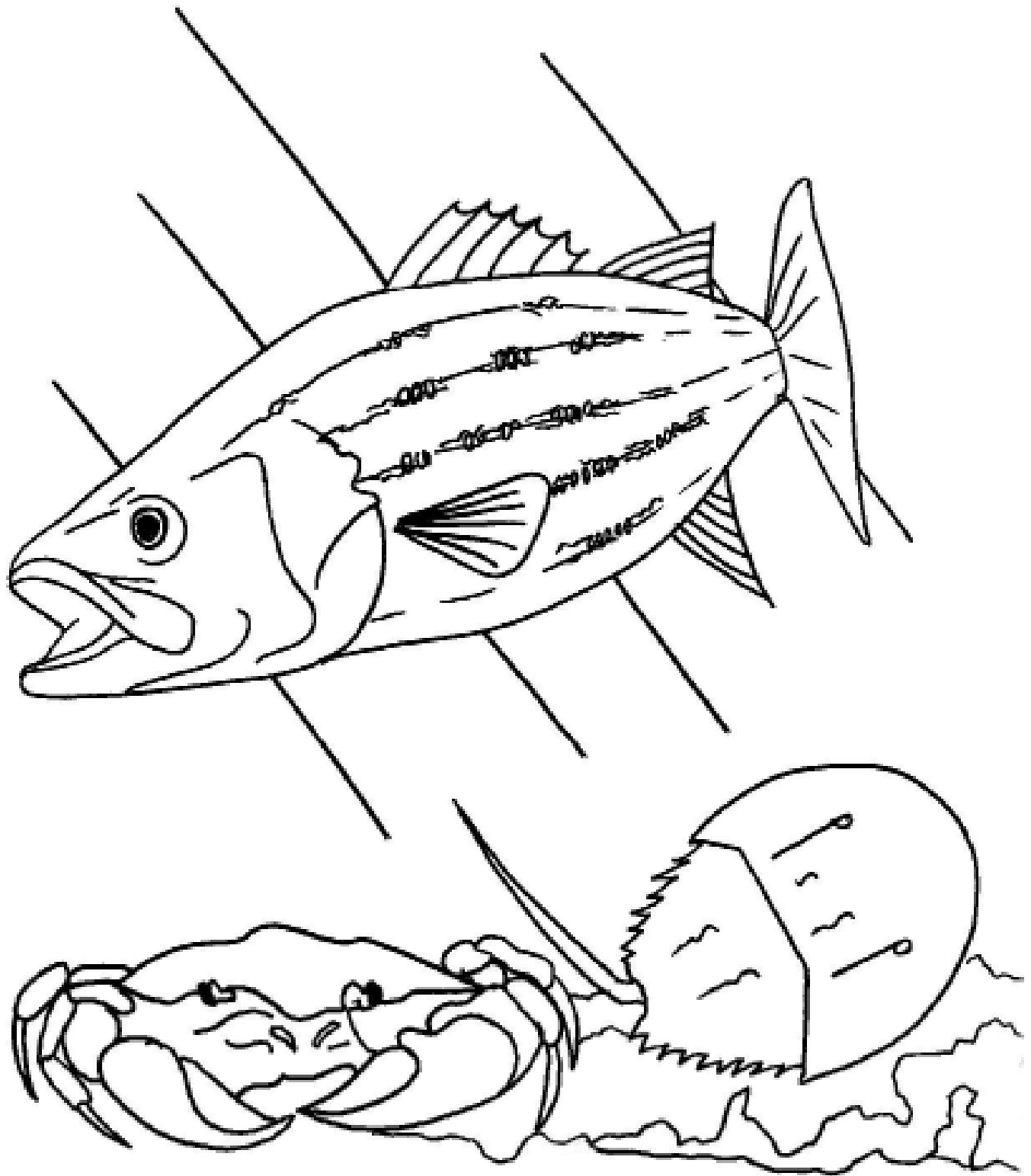
I am Frank the Frog. I need clean water to drink.
I don't drink through my mouth. I drink water
through my skin.



I am Henry the heron. I need Clean water so that I can go fishing.



We all live in your waters and need clean water to stay healthy.

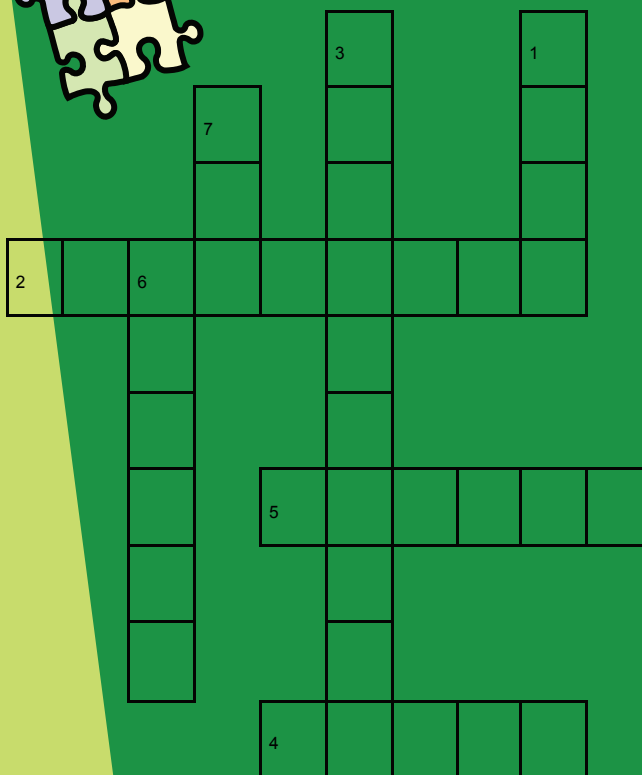


I am Ben. I need clean water to drink!



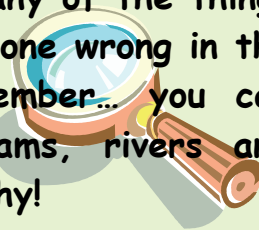


Stormwater crossword!



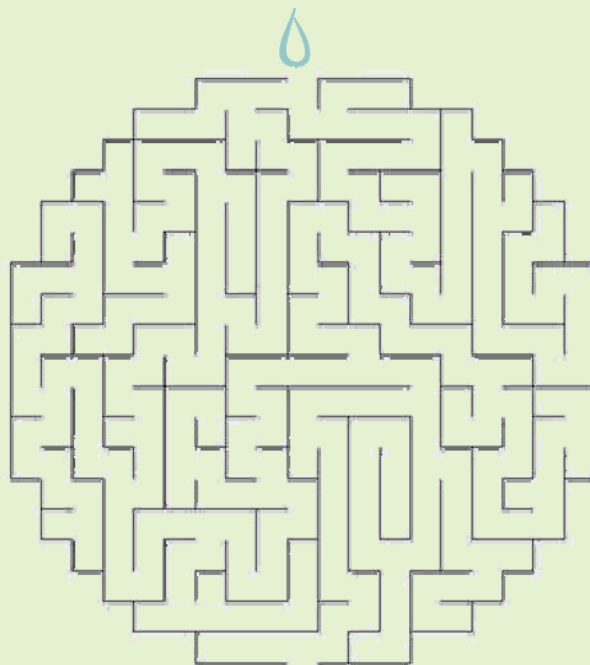
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Follow the rain drop...

Help guide the rain drop through the maze and into the storm drain. Remember to make sure that it gets there without picking up any trash, oil or other pollutants.



END

What happens when it rains?

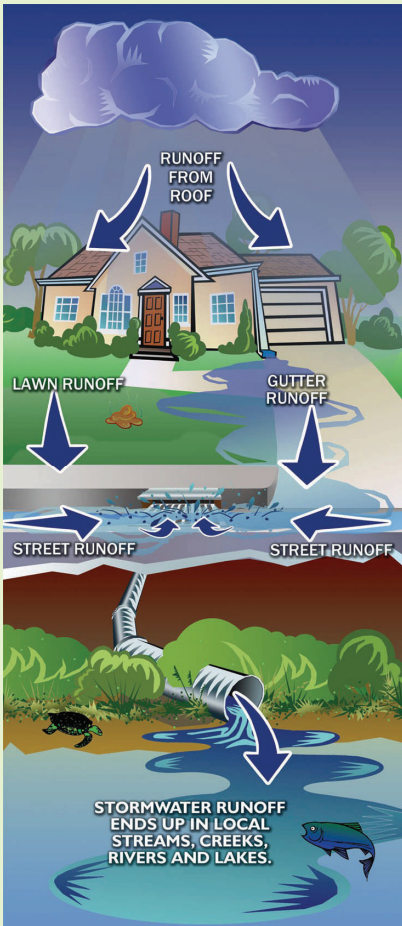


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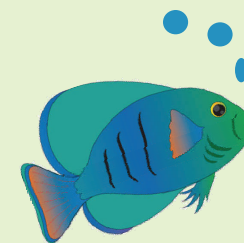


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W	V	L	I	D	J	O	Q	T	N
R	X	B	L	I	R	S	D	E	O
I	N	T	T	U	G	A	K	R	F
V	F	O	Q	Y	T	N	I	C	F
E	N	I	A	R	A	I	M	N	E
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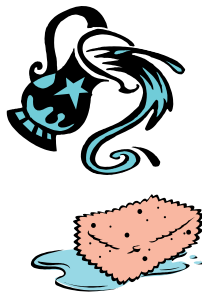
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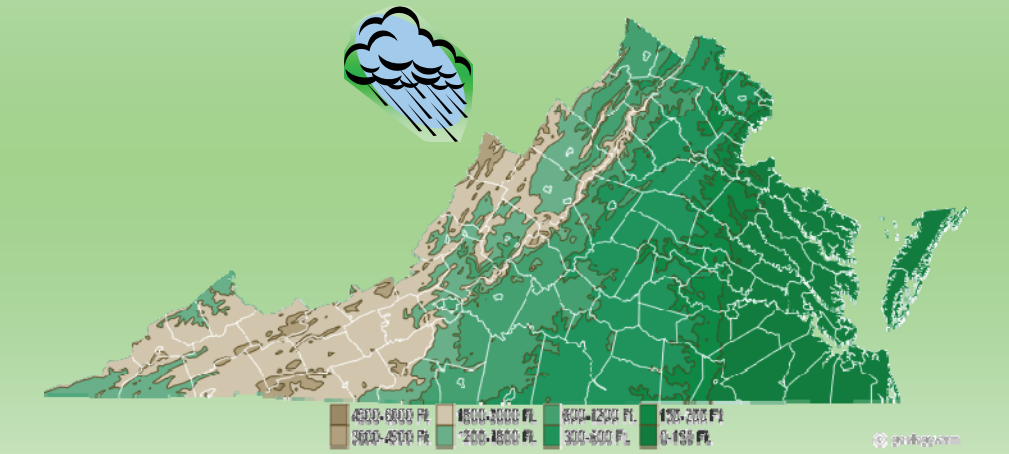
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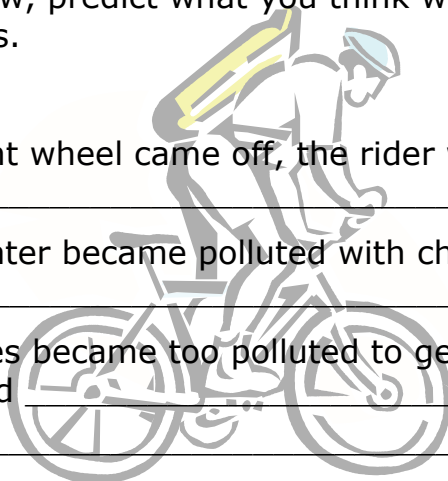
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Coloring Book



City of Colonial Heights



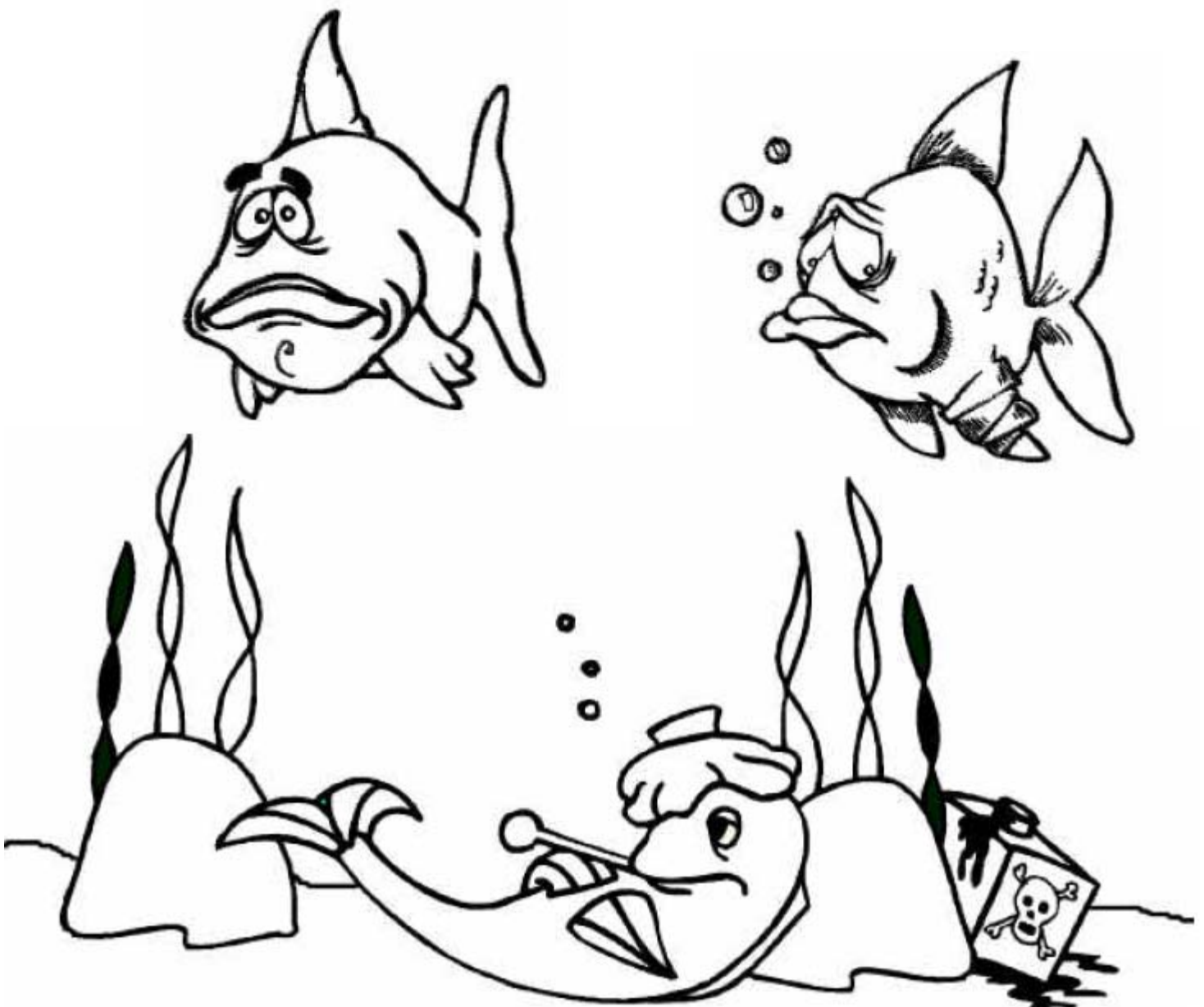
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with the
water?

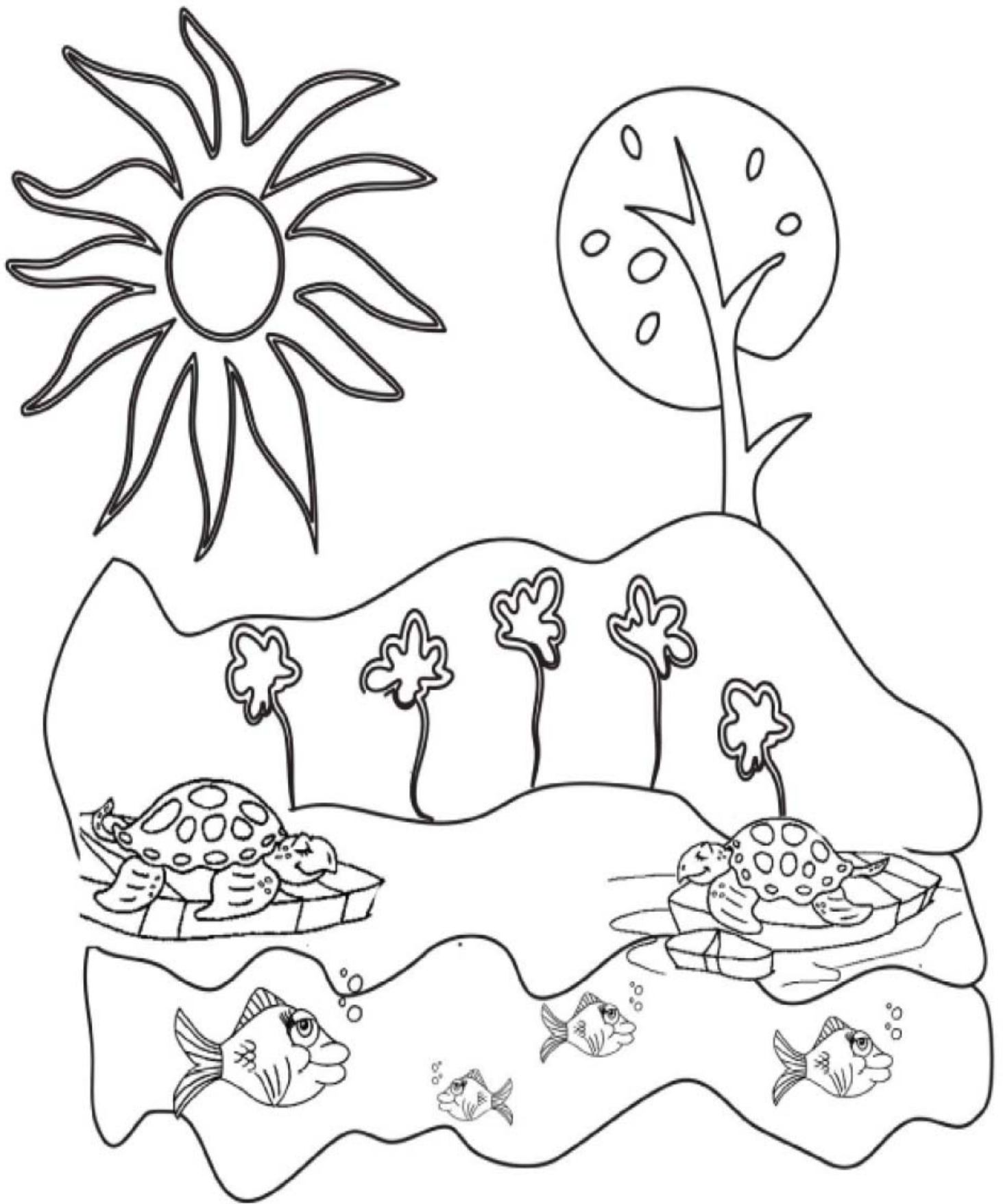
Why are the animals sick or moving out? The water may be polluted. One cause of water pollution is **STORM WATER POLLUTION**. This happens because water becomes contaminated with stuff like trash, dirt, oil, and sewage chemicals.



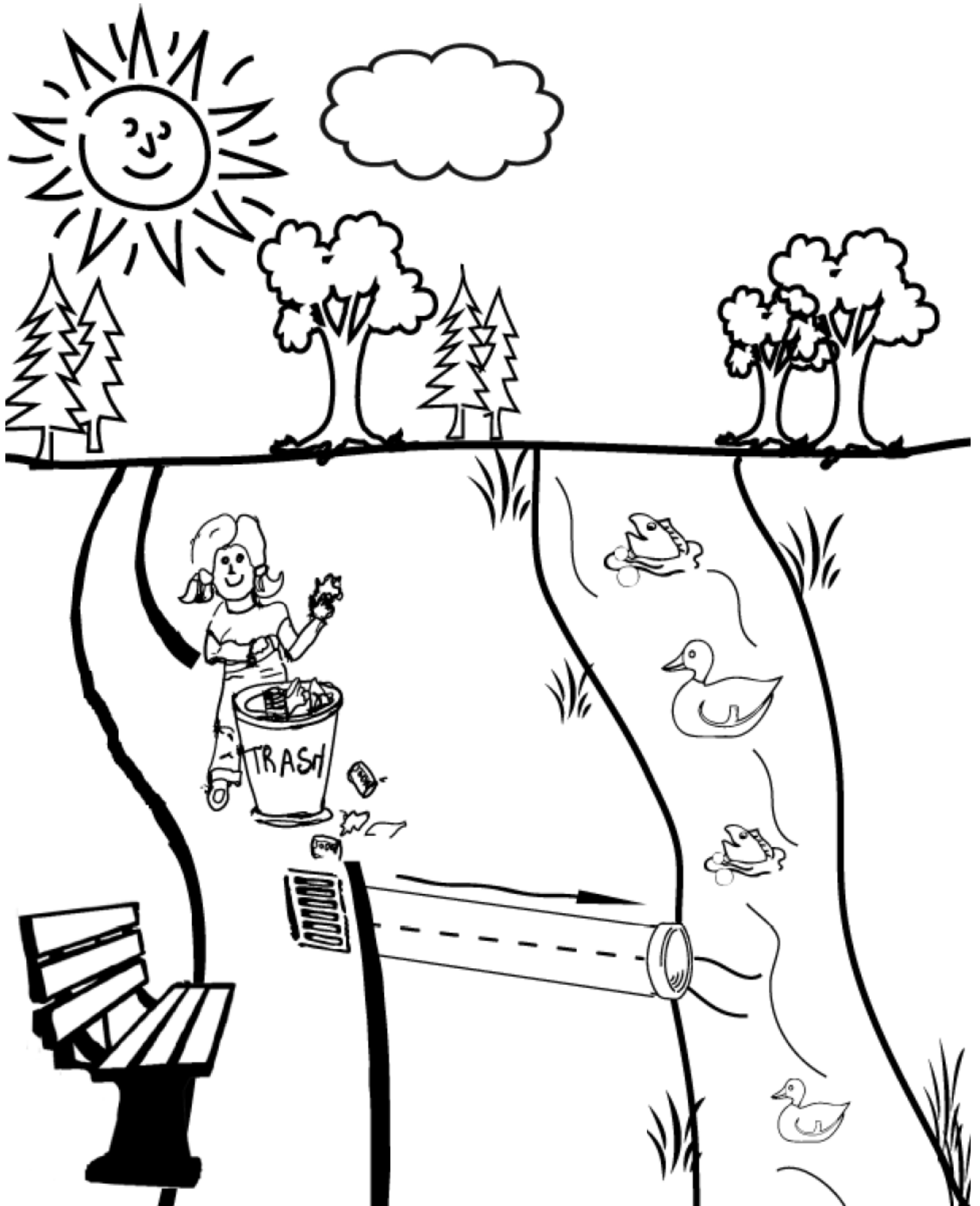
How does the water become polluted?

We cause pollution. When it rains, the water that flows over the streets and in drainage ditches picks up pollutants such as trash, dirt, pet waster, chemicals and more and carries them, untreated, into our rivers, streams and lakes.





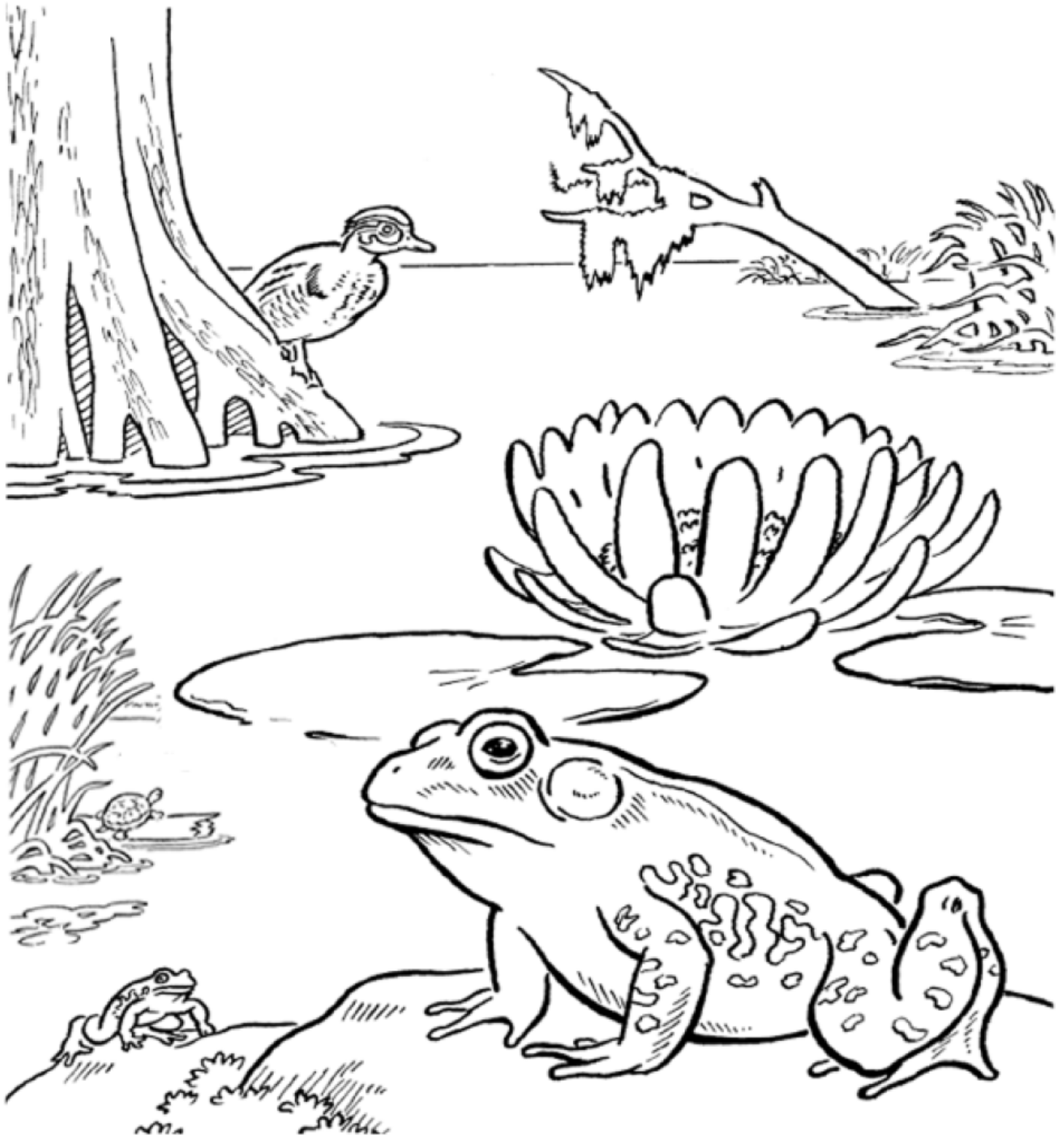
Give our water a hand! Do not dump trash into our rivers or canals. Let our plants, fish and turtles have a clean, healthy place to live.



What you drop means a lot! Help protect clean water by keeping litter and pollution out of storm drains.



Use care about what is poured on the ground. Things that should not be dumped onto the ground include: leftover paint, paint thinner, motor oil and all kinds of substances that are used to kill weeds and bugs.(small amounts of pesticides are not considered a major problem.)

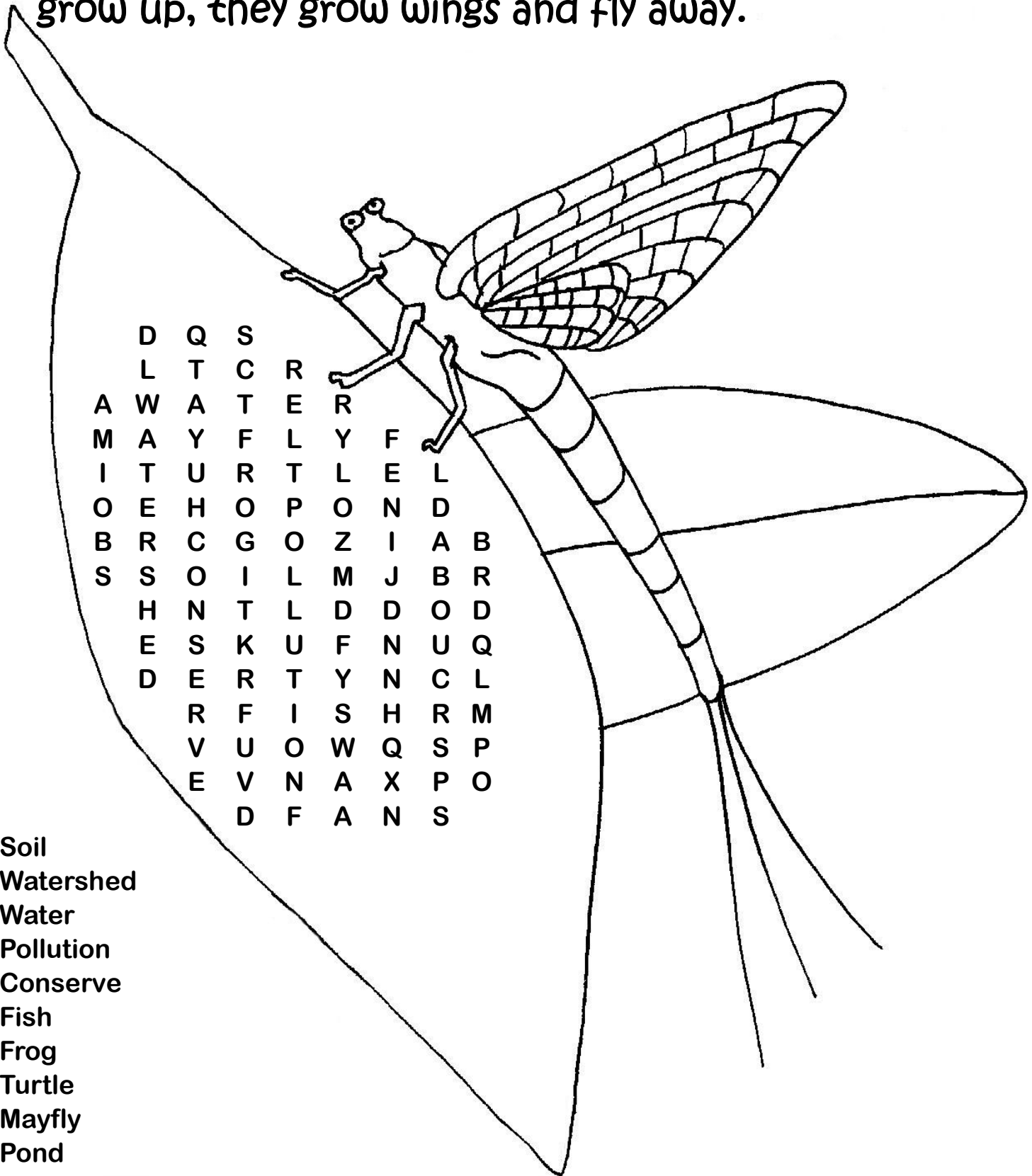


All life forms depend on clean water. Wetlands are essential, natural, living entities that must be protected for the common good—the good of the people and the good of the huge variety of animals, fish and plants that survive in these unique habitats.

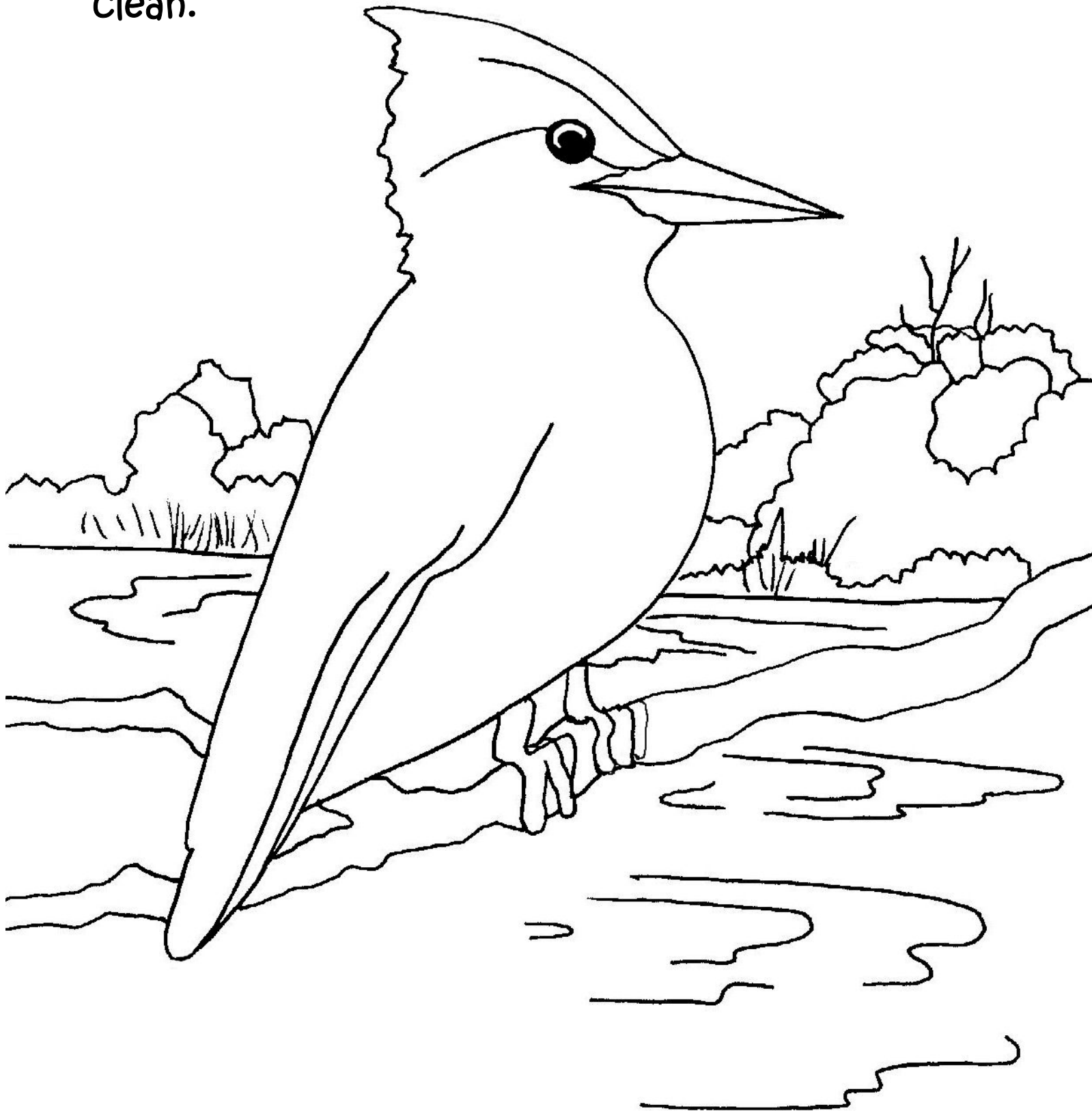
My name is Molly the Mayfly. Mayflies live in the water when they are babies. This is why it is so important to keep the water clean. When they grow up, they grow wings and fly away.

D	Q	S	R	R	F	L	
L	T	C	E	Y	E	N	B
A	A	T	L	L	N	I	R
M	U	F	T	O	Z	J	D
I	H	R	P	O	M	D	O
O	C	O	L	L	D	F	U
B	O	G	T	U	N	N	C
S	N	I	S	T	H	R	M
	S	T	E	I	Q	S	P
	E	R	O	A	X	S	O
	V	F	N	A	N	S	
	D	D	F	A	N	S	

- Soil
- Watershed
- Water
- Pollution
- Conserve
- Fish
- Frog
- Turtle
- Mayfly
- Pond



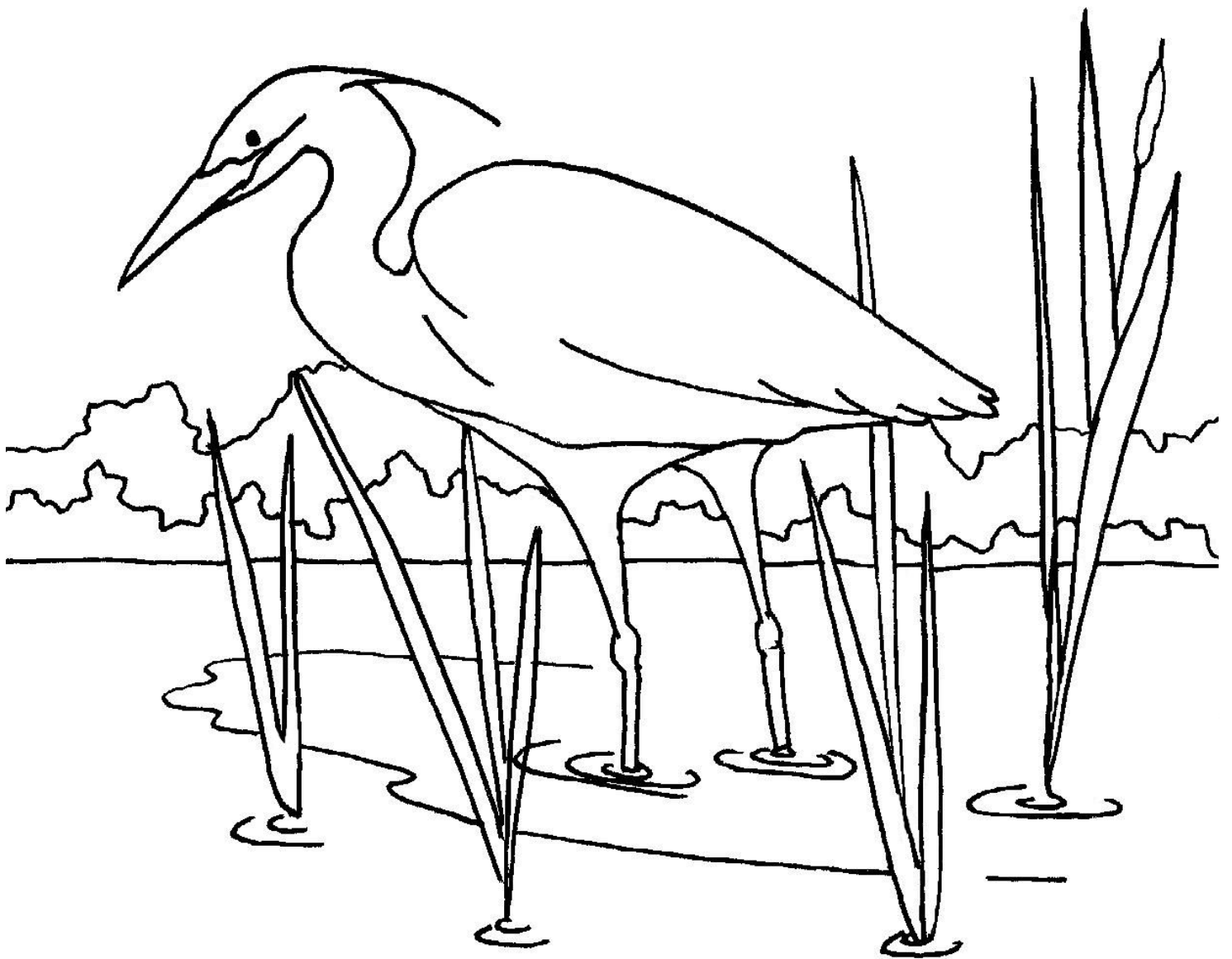
Hi! I am Karen the Kingfisher. I only eat fish. Fish need clean water to live so please keep their water clean.



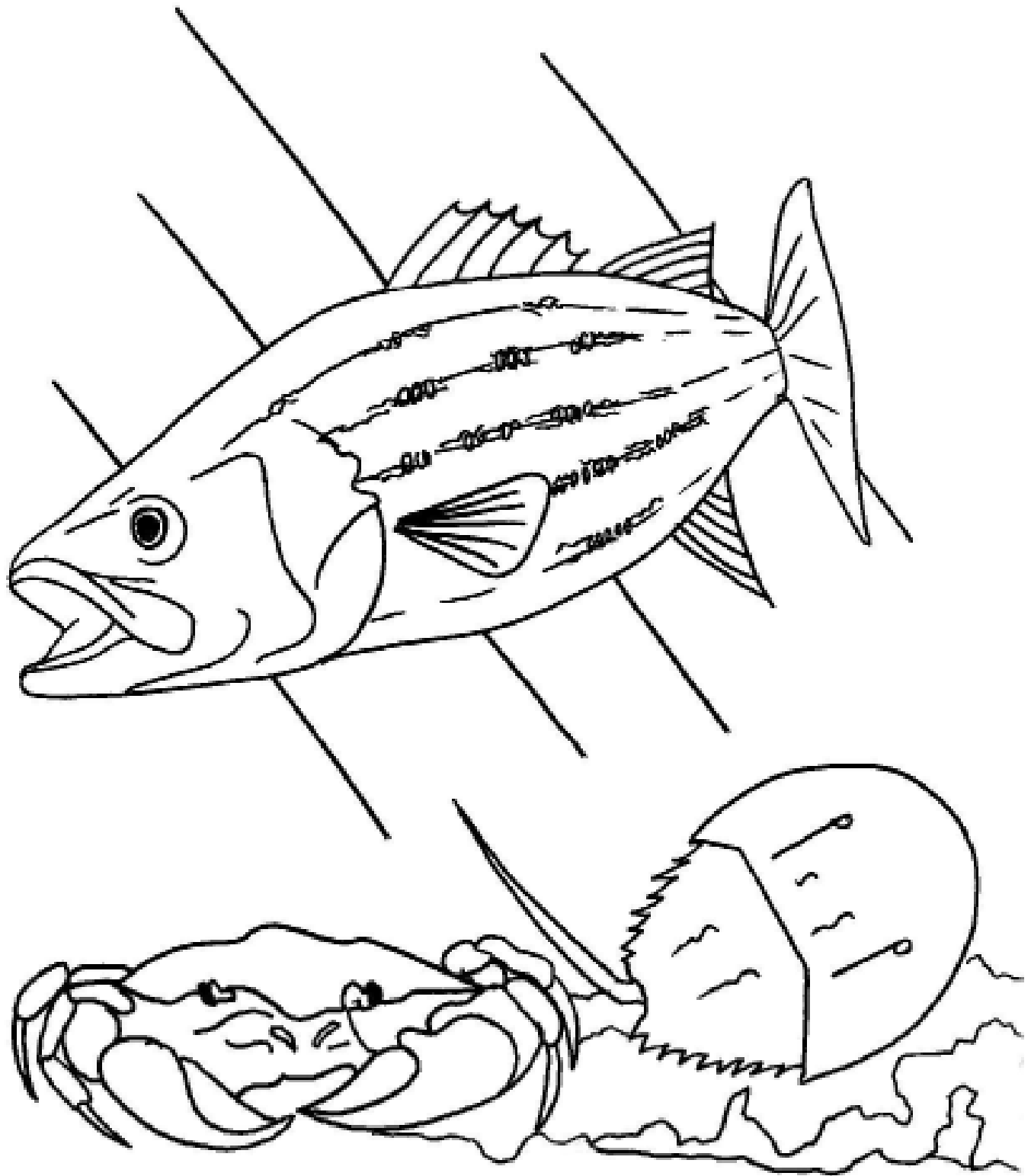
I am Frank the Frog. I need clean water to drink.
I don't drink through my mouth. I drink water
through my skin.



I am Henry the heron. I need Clean water so that I can go fishing.



We all live in your waters and need clean water to stay healthy.



I am Ben. I need clean water to drink!



OUTFALL_ID	Subwatershed	Nearest_Ac	HUC_Code	Outfall_Ty	__of_Pipes	Pipe_s__Ma	Pipe_s__Di	Pipe_s__Sh	Other_Pipe
OF-001	Oldtown Creek	Old Town	JA-J	Pipe	Single	RCP	36 in.	Circular	NA
OF-002	Swift Creek	Nantucket Ct	JA-J	Pipe	Double	RCP	15 in.	Circular	NA
OF-003	Appomattox	Kennon Point	JA-J	Pipe	Single	RCP	36 in.	Circular	NA
OF-004	Oldtown Creek	Temple	JA-J	Pipe	Single	RCP	24 in.	Circular	NA
OF-005	Swift Creek	Forest View	JA-I	Pipe	Single	CMP	36 in.	Circular	NA
OF-006	Appomattox	Clifton Drive	JA-J	Pipe	Single	RCP	36 in.	Circular	NA
OF-007	Oldtown Creek	Temple	JA-J	Pipe	Single	RCP	24 in.	Circular	NA
OF-008	Swift Creek	Forest View	JA-I	Pipe	Single	N/A	24 in.	Circular	NA
OF-009	Appomattox	Yacht Basin Drive	JA-J	Pipe	Single	RCP	48 in.	Circular	NA
OF-010	Oldtown Creek	Old Town	JA-J	Pipe	Single	RCP	24 in.	Elliptical	NA
OF-011	Swift Creek	Sherwood at Springdale	JA-I	Pipe	Single	Steel	21 in.	Circular	NA
OF-012	Appomattox	Royal Oak	JA-J	Pipe	Double	RCP	36 in.	Circular	NA
OF-013	Swift Creek	Sherwood Drive	JA-I	Pipe	Single	RCP	24 in.	Circular	NA
OF-014	Oldtown Creek	Conduit	JA-J	Pipe	Single	RCP	48 in.	Circular	NA
OF-015	Swift Creek	Sherwood Drive	JA-I	Pipe	Single	RCP	24 in.	Circular	NA
OF-016	Oldtown Creek	Temple at Conduit	JA-J	Pipe	Double	RCP	96 in.	Box	NA
OF-017	Swift Creek	Sherwood Drive	JA-I	Pipe	Single	RCP	30 in.	Circular	NA
OF-018	Oldtown Creek	Old Town	JA-J	Pipe	Single	CMP	12 in.	Circular	NA
OF-019	Oldtown Creek	Old Town	JA-J	Pipe	Single	RCP	24 in.	Circular	NA
OF-020	Swift Creek	Forest View	JA-I	Pipe	Single	CMP	36 in.	Circular	NA
OF-021	Oldtown Creek	Old Town	JA-J	Pipe	Double	Steel	27 in.	Elliptical	NA
OF-022	Oldtown Creek	Newcastle	JA-J	Pipe	N/A	N/A	N/A	N/A	NA
OF-023	Swift Creek	Springdale	JA-I	Pipe	Single	RCP	36 in.	Circular	NA
OF-024	Oldtown Creek	Boulevard	JA-J	Pipe	Single	RCP	18 in.	Circular	NA
OF-025	Swift Creek	Boulevard	JA-I	Pipe	Single	RCP	30 in.	Circular	NA
OF-026	Oldtown Creek	Cedar Lane	JA-J	Pipe	Single	RCP	30 in.	Circular	NA
OF-027	Swift Creek	Boulevard	JA-I	Pipe	Single	RCP	18 in.	Circular	NA
OF-028	Swift Creek	Longhorn Drive	JA-I	Pipe	Single	RCP	48 in.	Circular	NA
OF-029	Swift Creek	Bearchase Court	JA-I	Pipe	Single	RCP	24 in.	Circular	NA
OF-030	Swift Creek	Waterfront Drive	JA-J	Pipe	Single	RCP	48 in.	Circular	NA
OF-031	Swift Creek	Ellerslie	JA-I	Pipe	Single	RCP	18 in.	Circular	NA
OF-032	Swift Creek	Taylor	JA-I	Pipe	Single	RCP	18 in.	Circular	NA
OF-033	Swift Creek	Taylor	JA-I	Pipe	Single	RCP	36 in.	Circular	NA
OF-034	Swift Creek	Huntington	JA-I	Pipe	Single	RCP	24 in.	Circular	NA
OF-035	Swift Creek	Huntington	JA-I	Pipe	Single	PVC	36 in.	Circular	NA
OF-036	Swift Creek	Comstock Drive	JA-J	Pipe	Single	RCP	36 in.	Circular	NA
OF-037	Appomattox	Waterfront	JA-J	Pipe	Single	RCP	24 in.	Elliptical	NA
OF-038	Swift Creek	Sherwood Drive	JA-I	Pipe	Single	RCP		Circular	NA
OF-039	Fleets Branch	Bradsher Ave	JA-J	Pipe	Single	RCP	54 in.	Circular	NA
OF-040	Oldtown Creek	Snead	JA-J	Pipe	Single	CMP	36 in.	Circular	NA
OF-041	Oldtown Creek	Ridge	JA-J	Pipe	Triple	CMP	36 in.	Elliptical	NA
OF-042	Fleets Branch	Chesterfield Ave	JA-J	Pipe	Single	RCP	48 in.	Circular	NA
OF-043	Oldtown Creek	Meridian	JA-J	Box culvert	Double	RCP	54 in.	Box	NA
OF-044	Swift Creek	Ayrshire	JA-I	Pipe	Single	RCP	24 in.	Circular	NA
OF-045	Fleets Branch	Cambridge	JA-J	Box, Pipe	Double	RCP	48 in.	Box	NA
OF-046	Oldtown Creek	Wildwood	JA-J	Pipe	Single	RCP	24 in.	Circular	NA
OF-047	Oldtown Creek	Driftwood	JA-J	Pipe	Single	RCP	18 in.	Circular	NA
OF-048	Oldtown Creek	Snead	JA-J	Pipe	Single	RCP	12 in.	Circular	NA
OF-049	Appomattox	Covington	JA-J						
OF-050	Swift Creek	Forest View	JA-I	Pipe	Single	RCP		Circular	NA
OF-051	Swift Creek	Pertshire	JA-I	Pipe	Single	CMP	60 in.	Circular	NA
OF-052	Oldtown Creek	Concord	JA-J	Pipe	Single	RCP	24 in.	Circular	NA
OF-053	Oldtown Creek	Concord	JA-J	Pipe	Single	RCP	18 in.	Circular	NA
OF-054	Oldtown Creek	Concord	JA-J	Pipe	Single	RCP	18 in.	Circular	NA
OF-055	Fleets Branch	Orchard	JA-J	Pipe	Single	RCP	12 in.	Circular	NA
OF-056	Appomattox	Duke of Gloucester	JA-J	Pipe	Single	RCP		Circular	NA
OF-057	Swift Creek	Fairmont/Winston	JA-I	Pipe	Single	CMP	48 in.	Circular	NA
OF-058	Swift Creek	Nottingham (end)	JA-I	Pipe	Single			Circular	
OF-059	Swift Creek	Shade Tree	JA-I	Pipe	Single	RCP	54 in.	Circular	NA
OF-060	Swift Creek	Hemlock (end)	JA-I	Pipe	Single	RCP	18 in.	Circular	NA
OF-061	Appomattox	Breezy Hill	JA-J	Pipe	Single	RCP			
OF-062	Appomattox	Charles Dimmock	JA-J	Pipe					
OF-063	Oldtown Creek	Fairfax Ave	JA-J	Pipe	Single	RCP	18 in.		
OF-064	Oldtown Creek	Fairfax Ave (in culvert)	JA-J	Pipe	Single	RCP	24 in.		
OF-066	Oldtown Creek	sadler	JA44	Pipe	Single	RCP	18 in.	Circular	na
OF-067	Oldtown Creek	taswell	JA44	Pipe	Single	RCP	18 in.	Circular	na
OF-068	Swift Creek	taswell	JA44	Pipe	Single	RCP	18 in.	Circular	na
OF-070	Swift Creek	camelot	JA44	Pipe	Single	RCP	18 in.	Circular	na
OF-071	Swift Creek	seaton	JA44	Pipe	Single	RCP	18 in.	Circular	na
OF-072	Swift Creek	tudor	JA44	Pipe	Single	RCP	15 in.	Circular	na
OF-073	Swift Creek	nottingham	JA44	Pipe	Single	RCP	15 in.	Circular	na
OF-075	Swift Creek	hargrave	JA44	Pipe	Single	RCP	24 in.	Circular	na
OF-076	Swift Creek	yew	JA44	Pipe	Single	RCP	18 in.	Circular	na

OF-077	Swift Creek	east	JA44	Pipe	Single	RCP	18 in.	Circular	na
OF-078	Oldtown Creek	brookedge	JA44	Pipe	Single	RCP	24 in.	Circular	na
OF-079	Oldtown Creek	brookedge	JA44	Pipe	Single	RCP	24 in.	Circular	na
OF-080	Appomattox	chesterfield	JA40	Pipe	Single	RCP	15 in.	Circular	na
OF-081	Appomattox	chesterfield	JA40	Pipe	Single	RCP	15 in.	Circular	na
OF-082	Swift Creek	dunlop farms blvd	JA44	Pipe	Single	RCP	36 in.	Circular	na
OF-083	Swift Creek	bluffs	JA44	Pipe	Single	RCP	24 in.	Circular	na
OF-084	Swift Creek	bluffs	JA44	Pipe	Single	RCP	24 in.	Circular	na
OF-085	Swift Creek	windmere	JA44	Pipe	Single	RCP	30 in.	Circular	na
OF-086	Swift Creek	heroda	JA44	Pipe	Single	RCP	15 in.	Circular	na
OF-088	Appomattox	whipporwill	JA40	Pipe	Single	PVC	15 in.	Circular	na
OF-090	Appomattox	deerwood	JA40	Pipe	Single	PVC	24 in.	Circular	na
OF-091	Appomattox	lexington dr	JA40	Pipe	Single	RCP	18 in.	Circular	na
OF-092	Appomattox	choptank	JA40	Pipe	Single	RCP	15 in.	Circular	na
OF-093	Appomattox	whitehall	JA40	Pipe	Single	Steel	15 in.	Circular	na
OF-094	Appomattox	duke of gloucester	JA40	Pipe	Single	RCP	18 in.	Circular	na
OF-096	Appomattox	breezy hill	JA40	Pipe	Single	RCP	15 in.	Circular	na

Pipe_s__Su	Sediment_i	Channel_Sh	Channel_Ma	Channel_Ty	Channel_De	Top_Width_	Bottom_Wid	Channel_Se	Obstructio	Other_Regulated	
No	None	N/A	N/A	N/A	NA	NA	NA	N/A	None	NA Yes	A
No		Irregular	Earthen	Collected Flo	10	25	15	Partially Obstructed	Roots/Collapse	Eroding No	A
Partially		Irregular	Earthen	Collected Flo	1	4	2	Partially Obstructed	Other	Sediment Yes	A
No	Partially Obstructed	Irregular	Earthen	Collected Flo	NA	NA	NA	Fully Obstructed	Other	All Yes	B
No		N/A	N/A	N/A	0	0	0	N/A	None	NA Yes	A
Fully	N/A	N/A	N/A	N/A	0	0	0	N/A	None	NA Yes	B
No	Partially Obstructed	Irregular	Earthen	Collected Flo	NA	NA	NA	Fully Obstructed	Other	All Yes	B
Partially	Partially Obstructed	N/A	N/A	N/A	0	0	0	N/A	Roots/Brush	Debris Yes	B
No	N/A	Irregular	Earthen	Collected Flo	30	60	15	N/A	Collapsed Structure	Erosion Yes	B
No	None	Irregular	Rip Rap	Constructed	INA	NA	NA	None	Roots/Brush	NA No	B
No	None	N/A	N/A	N/A	0	0	0	None	None	NA Yes	B
No	None	Irregular	Earthen	Collected Flo	1	4	1	Partially Obstructed	Collapsed Structure	Rocks Yes	A
No	N/A	Triangular	Concrete	Constructed	11	3	1	None	None	NA Yes	D
No	None	Irregular	Earthen	Collected Flo	1	3	1	None	Roots/Brush	NA Yes	B
No		Triangular	Concrete	Constructed	11	3	1	None	None	NA Yes	D
No	None	Irregular	Earthen	Collected Flo	2	18	12	Partially Obstructed	Other	Sediment Yes	D
No	None	Triangular	Concrete	Constructed	11	3	1	None	None	NA Yes	D
No	None	N/A	N/A	N/A	NA	NA	NA	N/A	None	NA Yes	D
No	None	Irregular	Rip Rap	Collected Flo	8	15	6	None	Roots/Brush	NA Yes	B
Partially	None	N/A	N/A	N/A	0	0	0	N/A	None	NA Yes	D
No	N/A	Irregular	Rip Rap	Collected Flo	6	12	5	N/A	None	NA Yes	C
N/A	N/A	Irregular	Rip Rap	Collected Flo	3	8	3	N/A	Roots/Brush	Badly c Yes	C
No		N/A	N/A	N/A	0	0	0	None	Collapsed Structure	NA Yes	B
No	None	N/A	N/A	N/A	NA	NA	NA	N/A	None	NA Yes	D
Partially	None	N/A	N/A	N/A	0	0	0	N/A	Other	Standstill Yes	A
No	None	Irregular	Rip Rap	Constructed	13	10	4	None	None	NA Yes	B
No	Partially Obstructed	N/A	N/A	N/A	0	0	0	Partially Obstructed	Other	Rocks, Yes	D
No	None	Irregular	Concrete	Constructed	14	12	3	None	None	NA Yes	D
No	None	Irregular	Rip Rap	Collected Flo	1	NA	2	Partially Obstructed	Roots/Brush	Trash Yes	D
Partially	Partially Obstructed	Irregular	Rip Rap	Collected Flo	NA	NA	15	Partially Obstructed	Other	Rocks, Yes	D
No	None	Trapezoidal	Concrete	Constructed	13	3	1	None	None	NA No	B
No		N/A	N/A	N/A	0	0	0	None	Other	Sediment Yes	A
Partially	None	Irregular	Earthen	Collected Flo	4	10	4	None	None	NA Yes	A
No	None	N/A	N/A	N/A	0	0	0	None	None	NA Yes	B
No	None	N/A	N/A	N/A	0	0	0	N/A	None	NA Yes	A
Partially	Irregular	Earthen	Earthen	Collected Flo	NA	0	0	Partially Obstructed	Other	Rocks : No	B
No	None	N/A	N/A	N/A	0	0	0	N/A	None	NA Yes	C
No	None							None	None	NA Yes	D
No	None	Irregular	Earthen	Collected Flo	15	40	10	None	None	NA Yes	D
No	None	Irregular	Concrete	Constructed	12	20	6	None	Earth, structure	Sediment No	
No	None	Irregular	Earthen	Collected Flo	3	10	4	None	Some rip-rap	NA No	
No	None	Trapezoidal	Concrete	Constructed	11	6	2	None	None	NA No	
No	None	Trapezoidal	Concrete	Constructed	13	12	4	None	None	NA No	
Partially	None	Irregular	Earthen	Collected Flo	1	8	3	Partially Obstructed	Sediment, brush	NA No	
Partially	None	Irregular	Earthen	Collected Flo	25	40	8	Partially Obstructed	Trees, brush	NA No	
No	None	Irregular	Earthen	Collected Flo	20	15	5	Partially Obstructed	Trees/Collapse	Severe Yes	
No	None	Irregular	Earthen	Collected Flo	20	15	8	Partially Obstructed	Trees, structure	Partial Yes	
No	None	Irregular	Earthen	Collected Flo	5	10	3	None	None	NA No	
No	None	N/A	N/A	N/A	NA	NA	NA	N/A	None	NA No	
No	None	Trapezoidal	Concrete	Constructed	13	10	3	None	None	NA No	
No	None	N/A	N/A	N/A	NA	NA	NA	N/A	None	NA Yes	
No	None	N/A	N/A	N/A	NA	NA	NA	N/A	None	NA Yes	
No	None	N/A	N/A	N/A	NA	NA	NA	N/A	None	NA Yes	
Partially	Partially Obstructed	Irregular	Earthen	Collected Flo	2	8	1	Partially Obstructed	Brush, earth	NA No	
No	Partially Obstructed	Irregular	Earthen	Collected Flo	5	15	3	Partially Obstructed	Leaves/Debris	Fence : No	
Partially	None	Irregular	Earthen	Collected Flo	1.5	8	2	None	Rip-rap	Yes	
No		Irregular	Rip Rap	N/A					Rip-rap	Yes	
Partially	Partially Obstructed	Irregular	Rip Rap	Collected Flo	1	18	4	None	None	Yes	
No	None	Irregular	Rip Rap	Collected Flo	4	10	1	Partially Obstructed	Earth	NA Yes	
No	None	Irregular	Earthen	Collected Flo	na	3ft	3ft	None	None	na	Quad
No	Partially Obstructed	Triangular	Earthen	Collected Flo	na	na	na	Fully Obstructed	Roots/Brush	trash yard waste	B
Partially	None	Irregular	Rip Rap	Constructed	1na	na	na	Partially Obstructed	Other	rip rap in bmp as designed	B
No	None	Irregular	Earthen	Collected Flo	na	na	na	None	Roots/Brush	na	B
Partially	N/A	Irregular	Earthen	Collected Flo	na	na	na	None	None	na	D
No	None	Irregular	Rip Rap	Collected Flo	na	na	na	None	None	ivy	C
No	None	Trapezoidal	Rip Rap	Collected Flo	na	na	na	None	None	na	C
No	None	Triangular	Rip Rap	Collected Flo	na	na	na	None	None	na	D
No	None	Triangular	Rip Rap	Constructed	1na	na	na	None	None	na	D

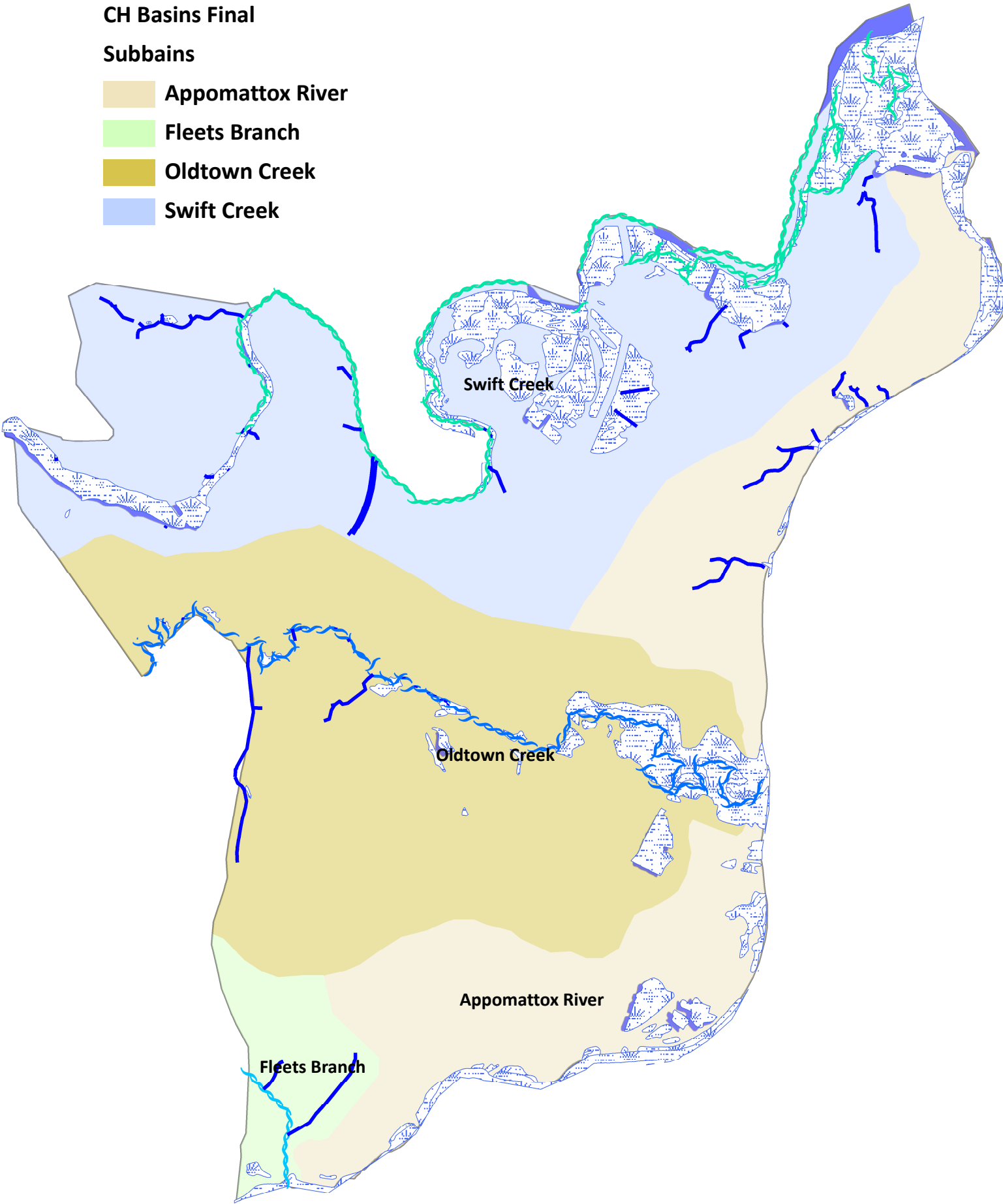
No	None	Trapezoidal	Rip Rap	Constructed In a	na	na	None	Other	overgrown with ivy	D
No	None	Trapezoidal	Concrete	Constructed In a	na	na	None	None	none	A
Partially	None	Irregular	Earthen	Collected Flo n a	na	na	Partially Obstructed	Other	earth	A
No	None	Irregular	Earthen	Constructed l 4ft	10ft	3ft	None	Other	tall grass	A
No	None	Irregular	Earthen	Constructed l 4ft	10ft	2ft	Partially Obstructed	Other	tall grass	C
No	None	Triangluar	Rip Rap	Collected Flo n a	na	na	None	Other	small saplings	C
No	None	Triangluar	Concrete	Constructed l 2ft	4ft	2ft	None	None	na	C
No	Fully Obstructed	Irregular	Earthen	Collected Flo n a	na	na	Fully Obstructed	Other	silt	D
Partially	None	N/A	Earthen	Collected Flo n a	na	na	Partially Obstructed	Other	silt/sand	A
Fully	None	Irregular	Earthen	Collected Flo n a	na	na	Partially Obstructed	Other	lilly pads	A
No	None	Irregular	Earthen	Collected Flo n a	na	na	None	None	na	A
No	None	Triangluar	Rip Rap	Constructed In a	na	na	Partially Obstructed	Other	trees silt	A
No	None	Irregular	Earthen	Collected Flo n a	na	na	Fully Obstructed	Collaped Structure	roots	A
No	None	Irregular	Earthen	Collected Flo n a	na	na	None	Roots/Brush	na	A
No	None	Irregular	Rip Rap	Collected Flo n a	12 ft	12 ft	Partially Obstructed	Roots/Brush	na	A
No	None	Irregular	Concrete	Constructed In a	na	na	None	Roots/Brush	earth trees	A
No	None	Trapezoidal	Concrete	Constructed In a	na	na	None	None	na	A

Colonial Heights Drainage Sub-Basins

CH Basins Final

Subbains

- Appomattox River
- Fleets Branch
- Oldtown Creek
- Swift Creek



Potential Illicit Dischargers by Industry



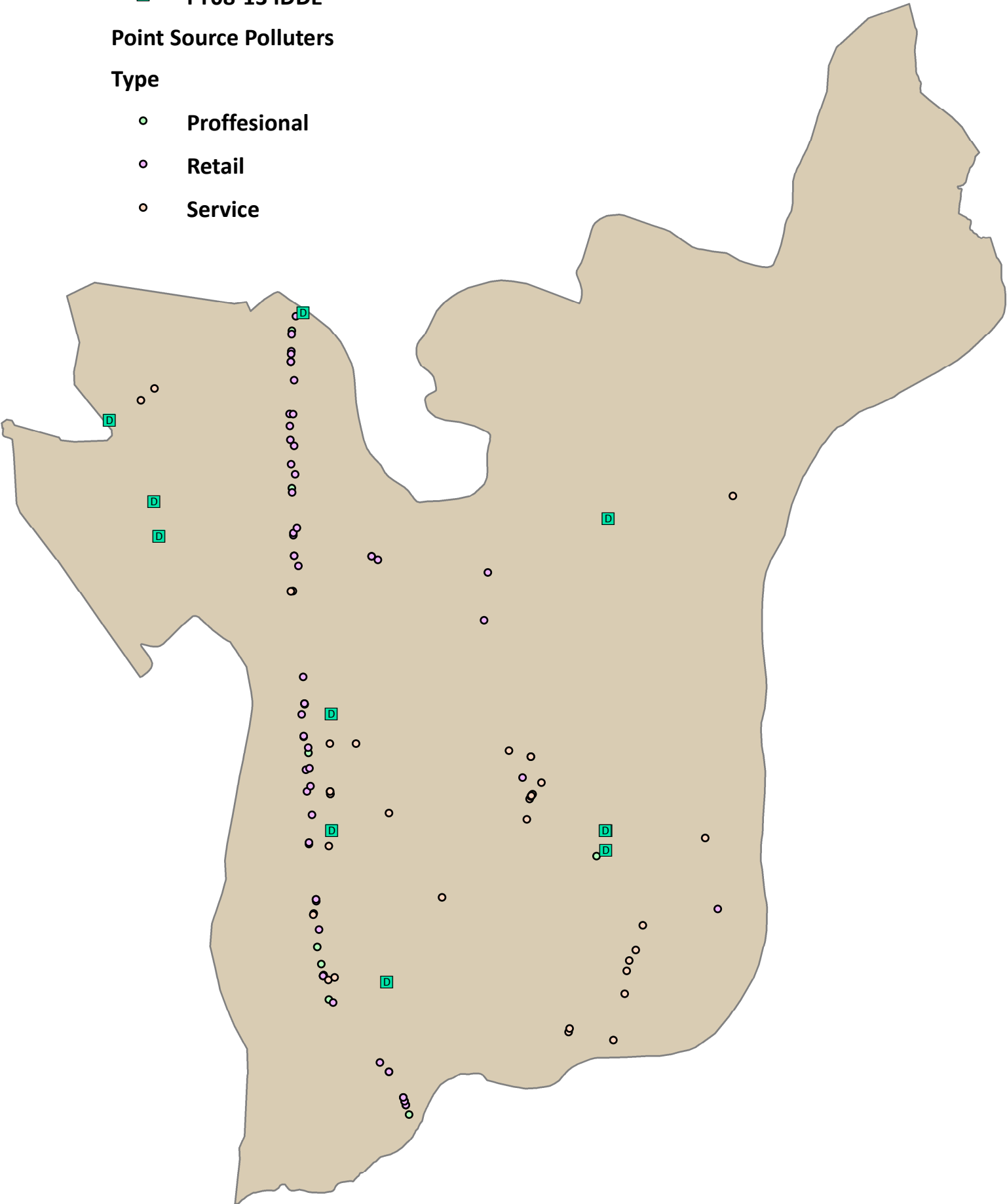
Potential & Recorded Dischargers

 FY08-13 IDDE

Point Source Polluters

Type

-  Proffesional
-  Retail
-  Service



STATUS	SCORE	MATCH_	SIDE	MATCH_ADDR	ARC_STREET	ARC_CIT	ARC_STA	TRADE_I	FULL_NA	ADDRES:	ADDRES:	STREET_NAM	TYPE	CITY	STATE	ZIP	LICENSE_NO	BUS_CAT	FACILITIES
M	100	A	L	3666 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3666 Boulevard	Colonial	VA	Colonial Heights Ve	3666 Bo #####	Boulevard		Colonial	VA	23834		20090236	Profesional		
M	100	A	R	2905 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2905 Boulevard	Colonial	VA	Virginia Medical Gr	2905 Bo #####	Boulevard		Colonial	VA	23834		20091367	Profesional		
M	100	A	L	3512 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3512 Boulevard	Colonial	VA	Colonial Heights Me	3512 Bo #####	Boulevard		Colonial	VA	23834		20091762	Profesional		
M	100	A	R	2425 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2425 Boulevard	Colonial	VA	Caldwell, Caldwell	2425 Bo #####	Boulevard		Colonial	VA	23834		20091299	Profesional		
M	100	A	L	3628 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3628 Boulevard	Colonial	VA	Swift Creek Family C	3628 Bo #####	Boulevard		Colonial	VA	23834		20090590	Profesional		
M	100	A	L	3626 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3626 Boulevard	Colonial	VA	Family Auto Sales LI	3626 Bo #####	Boulevard		Colonial	VA	23834		20090448	Profesional		
U	0	A			456 Charles Dimmock Pkwy	Colonial	VA	Commonwealth Dei	456 Char #####	Charles Dimmock	Pkwy	Colonial	VA	23834		20091296	Profesional		
U	0	A			280 Charles Dimmock Pkwy	Colonial	VA	Virginia Physicians f	280 Char #####	Charles Dimmock	Pkwy	Colonial	VA	23834		20091070	Profesional		
U	0	A			436 Clairmont Court	Colonial	VA	Virginia Urology Cen	436 Clair #####	Clairmont	Court	Colonial	VA	23834		20090264	Profesional		
U	0	A			430 Clairmont Court	Colonial	VA	Commonwealth Per	430 Clair #####	Clairmont	Court	Colonial	VA	23834		20091577	Profesional		
U	0	A			131 Jennick Drive	Colonial	VA	Colonial Orthopedic	131 Jenn #####	Jennick	Drive	Colonial	VA	23834		20090797	Profesional		
U	0	A			439 Jennick Drive	Colonial	VA	Riverview Physician	439 Jenn #####	Jennick	Drive	Colonial	VA	23834		20090431	Profesional		
M	100	A	L	400 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	400 Southpark Boulevard	Colonial	VA	Southside Pediatric	400 Sout #####	Southpark	Boulevard	Colonial	VA	23834		20091291	Profesional		
M	100	A	L	210 TEMPLE AVE, COLONIAL HEIGHTS, VA, 23834	210 Temple Ave	Colonial	VA	Infant Jesus Childre	210 Tem #####	Temple	Ave	Colonial	VA	23834		20091000	Profesional		
M	100	A	L	1829 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	1829 Southpark Boulevard	Colonial	VA	Great Ch Great Ch	1829 So #####	Southpark	Boulevard	Colonial	VA	23834		20090255	Retail		
M	100	A	R	111 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	111 Boulevard	Colonial	VA	Ackerman James Ac	111 Boul #####	Boulevard		Colonial	VA	23834		20090281	Retail		
M	100	A	L	3104 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3104 Boulevard	Colonial	VA	Advance Auto Parts	3104 Bo #####	Boulevard		Colonial	VA	23834		20090899	Retail		
M	100	A	L	1702 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1702 Boulevard	Colonial	VA	Blue's Pl Michael	1702 Bo #####	Boulevard		Colonial	VA	23834		20090366	Retail		
M	100	A	R	2231 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2231 Boulevard	Colonial	VA	Boulevard Jose E M	2231 Bo #####	Boulevard		Colonial	VA	23834		20090454	Retail		
M	100	A	R	915 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	915 Boulevard	Colonial	VA	Boulevard MS & KS	915 Boul #####	Boulevard		Colonial	VA	23834		20090860	Retail		
M	100	A	L	3116 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3116 Boulevard	Colonial	VA	Burger King	3116 Bo #####	Boulevard		Colonial	VA	23834		20091049	Retail		
M	100	A	R	1717 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1717 Boulevard	Colonial	VA	Captain T T & J Res	1717 Bo #####	Boulevard		Colonial	VA	23834		20090742	Retail		
M	100	A	L	3620 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3620 Boulevard	Colonial	VA	Carini Re Carini's F	3620 Bo #####	Boulevard		Colonial	VA	23834		20090519	Retail		
M	100	A	R	3409 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3409 Boulevard	Colonial	VA	Chanello Roodes F	3409 Bo #####	Boulevard		Colonial	VA	23834		20090037	Retail		
M	100	A	R	3517 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3517 Boulevard	Colonial	VA	Colonial Lyman W	3517 Bo #####	Boulevard		Colonial	VA	23834		20091895	Retail		
M	100	A	L	3220 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3220 Boulevard	Colonial	VA	Colonial Rass Inc	3220 Bo #####	Boulevard		Colonial	VA	23834		20090327	Retail		
M	100	A	L	3008 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3008 Boulevard	Colonial	VA	Dante's f Dante's f	3008 Bo #####	Boulevard		Colonial	VA	23834		20091851	Retail		
M	100	A	R	2227 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2227 Boulevard	Colonial	VA	Dominos G & M Pi	2227 Bo #####	Boulevard		Colonial	VA	23834		20090033	Retail		
M	100	A	R	3609 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3609 Boulevard	Colonial	VA	Don Jose Don Jose	3609 Bo #####	Boulevard		Colonial	VA	23834		20090196	Retail		
M	100	A	R	2231 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2231 Boulevard	Colonial	VA	The Flam ABA LLC	2231 Bo #####	Boulevard		Colonial	VA	23834		20091843	Retail		
M	100	A	R	115 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	115 Boulevard	Colonial	VA	Harris Al Delmar J	115 Boul #####	Boulevard		Colonial	VA	23834		20090803	Retail		
M	100	A	R	2011 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2011 Boulevard	Colonial	VA	Jersey M Wal Corp	2011 Bo #####	Boulevard		Colonial	VA	23834		20091131	Retail		
M	100	A	L	1906 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1906 Boulevard	Colonial	VA	Kentucky Kentucky	1906 Bo #####	Boulevard		Colonial	VA	23834		20090458	Retail		
M	100	A	R	1621 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1621 Boulevard	Colonial	VA	Laines JPF Inc	1621 Bo #####	Boulevard		Colonial	VA	23834		20090460	Retail		
M	100	A	L	3620 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3620 Boulevard	Colonial	VA	Tom Lew Tom Lew	3620 Bo #####	Boulevard		Colonial	VA	23834		20090301	Retail		
M	100	A	L	2104 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2104 Boulevard	Colonial	VA	Little Caesars	2104 Bo #####	Boulevard		Colonial	VA	23834		20091149	Retail		
M	100	A	L	636 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	636 Boulevard	Colonial	VA	Master T RWRW Ir	636 Boul #####	Boulevard		Colonial	VA	23834		20090259	Retail		
M	100	A	R	1101 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1101 Boulevard	Colonial	VA	McDonalds	1101 Bo #####	Boulevard		Colonial	VA	23834		20091153	Retail		
M	100	A	L	2208 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2208 Boulevard	Colonial	VA	MI Rodeo Los Prim	2208 Bo #####	Boulevard		Colonial	VA	23834		20090230	Retail		
M	100	A	R	119 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	119 Boulevard	Colonial	VA	Oxford N Oxford N	119 Boul #####	Boulevard		Colonial	VA	23834		20090767	Retail		
M	100	A	L	1410 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1410 Boulevard	Colonial	VA	The Pain J & P of f	1410 Bo #####	Boulevard		Colonial	VA	23834		20090335	Retail		
M	100	A	L	3420 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3420 Boulevard	Colonial	VA	Pino's Ita Marcello	3420 Bo #####	Boulevard		Colonial	VA	23834		20091150	Retail		
M	100	A	L	3650 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3650 Boulevard	Colonial	VA	Pleasure Pleasure	3650 Bo #####	Boulevard		Colonial	VA	23834		20090866	Retail		
M	100	A	R	1907 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1907 Boulevard	Colonial	VA	Staples A Colonial	1907 Bo #####	Boulevard		Colonial	VA	23834		20090406	Retail		
M	100	A	R	3107 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3107 Boulevard	Colonial	VA	Top's Chi Song Yan	3107 Bo #####	Boulevard		Colonial	VA	23834		20090996	Retail		
M	100	A	R	1115 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1115 Boulevard	Colonial	VA	Tuffy Mu Lizco Inc	1115 Bo #####	Boulevard		Colonial	VA	23834		20090553	Retail		
M	100	A	R	609 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	609 Boulevard	Colonial	VA	Vincenzo Vincenzo	609 Boul #####	Boulevard		Colonial	VA	23834		20090500	Retail		
M	100	A	R	3737 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3737 Boulevard	Colonial	VA	Wagstaff Danny W	3737 Bo #####	Boulevard		Colonial	VA	23834		20090284	Retail		
M	100	A	L	1018 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1018 Boulevard	Colonial	VA	What-A-I Jack T Br	1018 Bo #####	Boulevard		Colonial	VA	23834		20090469	Retail		
M	100	A	R	118 BRUCE AVE, COLONIAL HEIGHTS, VA, 23834	118 Bruce Ave	Colonial	VA	Battlefie Wilson V	118 Bruc #####	Bruce	Ave	Colonial	VA	23834		20090085	Retail		
U	0	A			458 Charles Dimmock Pkwy	Colonial	VA	Quiznos Fazdlins I	458 Char #####	Charles Dimmock	Pkwy	Colonial	VA	23834		20091536	Retail		
M	95	A	R	241 CHARLES H DIMMOCK PKY, COLONIAL HEIGHTS, VA	241 Charles Dimmock Pkwy	Colonial	VA	El Caporito Zito, LLC	241 Char #####	Charles Dimmock	Pkwy	Colonial	VA	23834		20091613	Retail		
M	100	A	R	2501 CONDUIT RD, COLONIAL HEIGHTS, VA, 23834	2501 Conduit Road	Colonial	VA	Golden C ESC Rest	2501 Cor #####	Conduit	Road	Colonial	VA	23834		20090416	Retail		
U	0	A			1 Dunlop Village Village	Colonial	VA	Colonial Rosa-Ner	1 Dunlop #####	Dunlop Village	Village	Colonial	VA	23834		20090160	Retail		
U	0	A			34 Dunlop Village	Colonial	VA	No 1 Nev No 1 Nev	34 Dunlo #####	Dunlop Village		Colonial	VA	23834		20090138	Retail		
M	86	A	R	405 E ELLERSLIE AVE, COLONIAL HEIGHTS, VA, 23834	405 Ellerslie Ave	Colonial	VA	Virginia I Rodney f	405 Eller #####	Ellerslie	Ave	Colonial	VA	23834		20091561	Retail		
M	100	A	L	1700 SNEAD AVE, COLONIAL HEIGHTS, VA, 23834	1700 Snead Ave	Colonial	VA	Briggs Al Mark Bri	1700 Sne #####	Snead	Ave	Colonial	VA	23834		20090945	Retail		
M	100	A	L	1718 SNEAD AVE, COLONIAL HEIGHTS, VA, 23834	1718 Snead Ave	Colonial	VA	Colonial Autowor	1718 Sne #####	Snead	Ave	Colonial	VA	23834		20090134	Retail		
U	0	A			170 Southgate Square	Colonial	VA	Los Band Leopoldc	170 Sout #####	Southgate	Square	Colonial	VA	23834		20091281	Retail		
U	0	A			200 Southgate Square	Colonial	VA	New Chir New Chi	200 Sout #####	Southgate	Square	Colonial	VA	23834		20090935	Retail		
M	100	A	R	401 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	401 Southpark Blvd	Colonial	VA	Burger King	401 Sout #####	Southpark	Blvd	Colonial	VA	23834		20091512	Retail		
M	85	A	R	707 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	707 Southpark	Colonial	VA	Five Guys Famous B	707 Sout #####	Southpark		Colonial	VA	23834		20091540	Retail		
M	100	A	R	591 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	591 Southpark Blvd	Colonial	VA	Castaway Kelly Sca	591 Sout #####	Southpark	Blvd	Colonial	VA	23834		20090959	Retail		
M	100	A	R	384 SOUTHPARK CIR, COLONIAL HEIGHTS, VA, 23834	384 Southpark Circle	Colonial	VA	Chick-Fil- Donovan	384 Sout #####	Southpark	Circle	Colonial	VA	23834		20091042	Retail		
M	100	A	R	294 SOUTHPARK CIR, COLONIAL HEIGHTS, VA, 23834	294 Southpark Circle	Colonial	VA	Dairy Qu J & A Inc	294 Sout #####	Southpark	Circle	Colonial	VA	23834		20091356	Retail		
M	100	A	R	366 SOUTHPARK CIR, COLONIAL HEIGHTS, VA, 23834	366 Southpark Circle	Colonial	VA	Great Ste S & G Cr	366 Sout #####	Southpark	Circle	Colonial	VA	23834		20090954	Retail		
M	100	A	L	411 SOUTHPARK CIR, COLONIAL HEIGHTS, VA, 23834	411 Southpark Circle	Colonial	VA	McDonalds	411 Sout #####	Southpark	Circle	Colonial	VA	23834		20090472	Retail		
M	100	A	L	648 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	648 Southpark Boulevard	Colonial	VA	Padow's Mariett I	648 Sout #####	Southpark	Boulevard	Colonial	VA	23834		20090893	Retail		

M	100	A	R	388 SOUTHPARK CIR, COLONIAL HEIGHTS, VA, 23834	388 Southpark Circle	Colonial	VA	Sino Wol	Ying Qinq	388 Sout #####	Southpark	Circle	Colonial	VA	23834	20091627	Retail
M	85	A	R	378 SOUTHPARK CIR, COLONIAL HEIGHTS, VA, 23834	378 Southpark Boulevard	Colonial	VA	Stir Fry 8	Stir Fry 8	378 Sout #####	Southpark	Boulevard	Colonial	VA	23834	20090177	Retail
M	100	A	R	501 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	501 Southpark Boulevard	Colonial	VA	Subway I	Shree Sh	501 Sout #####	Southpark	Boulevard	Colonial	VA	23834	20090445	Retail
M	85	A	R	671 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	671 Southpark	Colonial	VA	Subway I	Desjardir	671 Sout #####	Southpark	Circle	Colonial	VA	23834	20091389	Retail
T	71	A	R	380 SOUTHPARK CIR, COLONIAL HEIGHTS, VA, 23834	381 Southpark Circle	Colonial	VA	Subway I	Epieleika	381 Sout #####	Southpark	Circle	Colonial	VA	23834	20091516	Retail
M	100	A	L	628 SOUTHPARK BLVD, COLONIAL HEIGHTS, VA, 23834	628 Southpark Boulevard	Colonial	VA	Taco Bell	Burger B	628 Sout #####	Southpark	Boulevard	Colonial	VA	23834	20091268	Retail
M	100	A	R	116 TASWELL AVE, COLONIAL HEIGHTS, VA, 23834	116 Taswell Ave	Colonial	VA	Carlton's	Clifford E	116 Tasw #####	Taswell	Ave	Colonial	VA	23834	20090656	Retail
M	100	A	L	1000 TEMPLE AVE, COLONIAL HEIGHTS, VA, 23834	1000 Temple Ave	Colonial	VA	Conner S	Robert H	1000 Ter #####	Temple	Ave	Colonial	VA	23834	20091743	Retail
M	100	A	R	961 TEMPLE AVE, COLONIAL HEIGHTS, VA, 23834	961 Temple Ave	Colonial	VA	Uppy's D	Uppy's C	961 Tem #####	Temple	Ave	Colonial	VA	23834	20091669	Retail
M	100	A	R	107 TEMPLE LAKE DR, COLONIAL HEIGHTS, VA, 23834	107 Temple Lake Drive	Colonial	VA	Arby's		107 Tem #####	Temple Lake	Drive	Colonial	VA	23834	20090404	Retail
M	100	A	R	111 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	111 Boulevard	Colonial	VA	Ackerma	James Ac	111 Boul #####	Boulevard	Colonial	VA	23834	20090461	Service	
M	100	A	L	654 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	654 Boulevard	Colonial	VA	Ann's Cle	David J L	654 Boul #####	Boulevard	Colonial	VA	23834	20091474	Service	
M	100	A	R	225 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	225 Boulevard	Colonial	VA	Buddy's	Buddy W	225 Boul #####	Boulevard	Colonial	VA	23834	20091415	Service	
M	100	A	R	101 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	101 Boulevard	Colonial	VA	Cal's Inc	Calvin M	101 Boul #####	Boulevard	Colonial	VA	23834	20090143	Service	
M	100	A	L	3224 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3224 Boulevard	Colonial	VA	Colonial	FD & B A	3224 Box #####	Boulevard	Colonial	VA	23834	20090420	Service	
M	100	A	L	2100 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	2100 Boulevard	Colonial	VA	Executiv	Tremayn	2100 Box #####	Boulevard	Colonial	VA	23834	20091312	Service	
M	100	A	L	610 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	610 Boulevard	Colonial	VA	Flagstop	Flagstop	610 Boul #####	Boulevard	Colonial	VA	23834	20091212	Service	
M	100	A	R	115 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	115 Boulevard	Colonial	VA	Harris Al	Delmer J	115 Boul #####	Boulevard	Colonial	VA	23834	20090735	Service	
M	100	A	R	1919 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1919 Boulevard	Colonial	VA	Johnson'	Johnson'	1919 Box #####	Boulevard	Colonial	VA	23834	20090130	Service	
M	100	A	L	636 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	636 Boulevard	Colonial	VA	Master T	RWRW II	636 Boul #####	Boulevard	Colonial	VA	23834	20090382	Service	
M	100	A	L	712 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	712 Boulevard	Colonial	VA	Meineke	Charles C	712 Boul #####	Boulevard	Colonial	VA	23834	20091196	Service	
M	100	A	L	1400 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1400 Boulevard	Colonial	VA	Midas At	TMT LLC	1400 Box #####	Boulevard	Colonial	VA	23834	20090849	Service	
M	100	A	L	3008 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3008 Boulevard	Colonial	VA	Motorcy	Motorcy	3008 Box #####	Boulevard	Colonial	VA	23834	20091757	Service	
M	100	A	R	305 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	305 Boulevard	Colonial	VA	Palmore	Palmore	305 Boul #####	Boulevard	Colonial	VA	23834	20091537	Service	
M	100	A	R	119 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	119 Boulevard	Colonial	VA	Sarek Au	Ralf Sare	119 Boul #####	Boulevard	Colonial	VA	23834	20091697	Service	
M	100	A	L	3300 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3300 Boulevard	Colonial	VA	Sherwoo	Sherwoo	3300 Box #####	Boulevard	Colonial	VA	23834	20090868	Service	
M	100	A	R	225 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	225 Boulevard	Colonial	VA	Shumate	Delmer J	225 Boul #####	Boulevard	Colonial	VA	23834	20090056	Service	
M	79	A	R	1115 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	1115 Boulevard	Colonial	VA	Tuffy Mu	Lizco Inc	1115 Box #####	Boulevard	Colonial	VA	23234	20090325	Service	
M	100	A	R	3245 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3245 Boulevard	Colonial	VA	Victory L	Shawn &	3245 Box #####	Boulevard	Colonial	VA	23834	20090881	Service	
M	100	A	L	3504 BOULEVARD, COLONIAL HEIGHTS, VA, 23834	3504 Boulevard	Colonial	VA	Wamsley	C Neil W	3504 Box #####	Boulevard	Colonial	VA	23834	20090869	Service	
M	100	A	R	118 BRUCE AVE, COLONIAL HEIGHTS, VA, 23834	118 Bruce Ave	Colonial	VA	Battlefie	Wilson W	118 Bruc #####	Bruce	Ave	Colonial	VA	23834	20090159	Service
M	100	A	R	235 DUNLOP FARMS BLVD, COLONIAL HEIGHTS, VA, 23834	235 Dunlop Farms Boulevard	Colonial	VA	The Dunl	Coordina	235 Dunl #####	Dunlop Farms	Boulevard	Colonial	VA	23834	20090540	Service
U	0	A			22 Dunlop Village	Colonial	VA	CJW Dry	Jeom S P	22 Dunlo #####	Dunlop Village	Colonial	VA	23834	20090683	Service	
M	86	A	R	831 E ELLERSLIE AVE, COLONIAL HEIGHTS, VA, 23834	831 Ellerslie Ave	Colonial	VA	Colonial	Colonial	831 Eller #####	Ellerslie	Ave	Colonial	VA	23834	20090536	Service
M	86	A	R	405 E ELLERSLIE AVE, COLONIAL HEIGHTS, VA, 23834	405 Ellerslie Ave	Colonial	VA	Parlow A	Rodney f	405 Eller #####	Ellerslie	Ave	Colonial	VA	23834	20091670	Service
M	86	A	R	435 E ELLERSLIE AVE, COLONIAL HEIGHTS, VA, 23834	435 Ellerslie Ave Avenue	Colonial	VA	All Seaso	All Seaso	435 Eller #####	Ellerslie Ave	Avenue	Colonial	VA	23834	20091441	Service
M	100	A	R	517 JAMES AVE, COLONIAL HEIGHTS, VA, 23834	517 James Ave	Colonial	VA	Carwill's	Joseph C	517 Jamx #####	James	Ave	Colonial	VA	23834	20091708	Service
M	100	A	L	1010 KENSINGTON AVE, COLONIAL HEIGHTS, VA, 23834	1010 Kensington Ave	Colonial	VA	Signatur	Signatur	1010 Ker #####	Kensington	Ave	Colonial	VA	23834	20091350	Service
M	100	A	L	192 LYONS AVE, COLONIAL HEIGHTS, VA, 23834	192 Lyons Ave	Colonial	VA	Balch Ali	Christop	192 Lyon #####	Lyons	Ave	Colonial	VA	23834	20091245	Service
M	100	A	R	303 NORWOOD DR, COLONIAL HEIGHTS, VA, 23834	303 Norwood Drive	Colonial	VA	Colonial	M Sidney	303 Norw #####	Norwood	Drive	Colonial	VA	23834	20090901	Service
M	100	A	R	303 NOTTINGHAM DR, COLONIAL HEIGHTS, VA, 23834	303 Nottingham Drive	Colonial	VA	Auto Tec	Mutaz Y	303 Nott #####	Nottingham	Drive	Colonial	VA	23834	20091572	Service
M	85	A	R	105 PICKWICK AVE, COLONIAL HEIGHTS, VA, 23834	105 Pickwick Circle	Colonial	VA	A Rainbo	Harry E V	105 Pickw #####	Pickwick	Circle	Colonial	VA	23834	20091854	Service
M	100	A	L	40 PICKWICK AVE, COLONIAL HEIGHTS, VA, 23834	40 Pickwick Avenue	Colonial	VA	Aqua Cle	Glory Fai	40 Pickw #####	Pickwick	Avenue	Colonial	VA	23834	20090329	Service
M	96	A	R	1312 RIVEROAKS DR, COLONIAL HEIGHTS, VA, 23834	1312 River Oaks Drive	Colonial	VA	Stone Mi	Stone M	1312 Riv #####	River Oaks	Drive	Colonial	VA	23834	20091359	Service
M	100	A	R	100 ROANOKE AVE, COLONIAL HEIGHTS, VA, 23834	100 Roanoke Ave	Colonial	VA	Colonial'	Colonial'	100 Roar #####	Roanoke	Ave	Colonial	VA	23834	20090633	Service
M	100	A	L	1700 SNEAD AVE, COLONIAL HEIGHTS, VA, 23834	1700 Snead Ave	Colonial	VA	Briggs Al	Mark Bri	1700 Sne #####	Snead	Ave	Colonial	VA	23834	20090344	Service
M	100	A	L	1718 SNEAD AVE, COLONIAL HEIGHTS, VA, 23834	1718 Snead Ave	Colonial	VA	Colonial	Autowor	1718 Sne #####	Snead	Ave	Colonial	VA	23834	20091154	Service
U	0	A			184 Southgate Square	Colonial	VA	The Dry t	Dolan/Ni	184 Sout #####	Southgate	Square	Colonial	VA	23834	20090605	Service
M	100	A	R	100 TASWELL AVE, COLONIAL HEIGHTS, VA, 23834	100 Taswell Ave	Colonial	VA	Colonial	Paul Mai	100 Tasw #####	Taswell	Ave	Colonial	VA	23834	20091619	Service
M	100	A	R	303 TEMPLE AVE, COLONIAL HEIGHTS, VA, 23834	303 Temple Avenue	Colonial	VA	A-1 Stea	David Kn	303 Tem #####	Temple	Avenue	Colonial	VA	23834	20090231	Service
M	100	A	L	1000 TEMPLE AVE, COLONIAL HEIGHTS, VA, 23834	1000 Temple Ave	Colonial	VA	Conner S	Robert H	1000 Ter #####	Temple	Ave	Colonial	VA	23834	20090497	Service



Department of Public Works
201 James Avenue
Colonial Heights, VA 23834

What your
business
needs to
know about

Colonial Heights Stormwater Management Ordinance



Department of Public Works
City of Colonial Heights
201 James Avenue
Colonial Heights, Virginia 23834
(804) 520-9334

STORMWATER & YOUR BUSINESS

Stormwater Ordinance

Colonial Heights Stormwater Ordinance, driven by clean water regulations like the Clean Water Act, seeks to protect the City's receiving waters as well as the integrity and efficiency of the City's storm sewage system. As everyone operating or living in the City contributes to the storm sewer system, your business may be affected by the ordinance in some important ways.

What does the ordinance prohibit?

The ordinance is intended to prohibit two categories of activity: illicit connections and illegal discharges. An illicit connection is any drain or conveyance, either surface or subsurface, which allows an illegal discharge to enter the storm drain system, including any conveyances which allow any non-storm water discharge including sewage, wastewater, and wash water to enter the storm drain system and any connections to the system from indoor drains and sinks, regardless of whether such drain or connection had been previously allowed, permitted, or approved by the authorized enforcement agency. Any drain or conveyance connected from a commercial or industrial land use to the storm drain system which has not been documented in plans, maps, or equivalent records and approved by the authorized enforcement agency. An illegal discharge is any direct or indirect non-storm

water discharge to the storm drain system. The only permitted illegal discharge exemptions are water line flushing, landscape irrigation or lawn watering, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active groundwater dewatering systems), crawl space pumps, air conditioning condensation, non-commercial washing of vehicles, swimming pools (if dechlorinated - less than one PPM chlorine), fire fighting activities, discharges authorized by the enforcement agency as being necessary to protect public health and safety, and any other water source meeting applicable water quality standards. Dye testing, as well, is an allowable discharge, but requires a verbal notification to the Department of Public Works prior to the time of the test.

How does the ordinance impact my business?

Many businesses, as a natural byproduct of their daily business operations, produce or handle materials that are or will become waste. This is true particularly in the service industry. As well, many service business facilities have drains and other outlets that could be discharging wastes or be illegally connected to the storm sewer system. Penalties for violations include fines as high as \$30,000 dollars and revocation of access to the storm sewer system, so having an illegal discharge could greatly impact your business.

Ordinance Enforcement

Department of Public Works staff periodically inspect areas of the City for violations of the Stormwater Ordinance. Testing and reconnaissance of the storm sewer system allow Department personnel to understand if and where illicit connections have been made, and personnel routinely consider discharge practices and their adherence to the ordinance restrictions. Taking proactive steps to monitor and correct, if necessary, your business's discharges will save you time and monetary penalties in the future.

Preventing discharges before they begin...

Whether or not you operate an automotive service, a laundromat, a restaurant or a landscape service, there are several strategies you can employ to help eliminate the possibility of illegal discharges at your business. If your business, whatever its type, has facilities with floor drains, ask the Department of Public Works' Engineering Division if floor plans for your facilities exist. With these you may be able to determine if the floor drains are connected to the sanitary or storm sewer. Two other steps you can take follow below.

1. Keep water from contacting work areas

Work areas can be contaminated by raw materials, processed liquids, grease, oily wastes, heavy metals, and automotive and chemical fluids. Surfaces used for storing outdoor equipment or materials and for

maintaining vehicles, for example, could all be sources of illegal discharges. As water runs across these work areas, it picks up contaminants as it flows. If that water reaches a storm drain or ditch, those contaminants will be discharged to the storm sewer system and are then considered illegal discharges. To prevent these, consider the following:

- *Keep stormwater from contacting any industrial areas, either indoors or out.*
- *Install roofs or move industrial operations indoors to keep rain from falling onto work areas.*
- *Avoid practices like hosing down outdoor areas or washing commercial vehicles where the waste water will enter the storm sewer system.*

2. Educate employees about preventing stormwater pollution

The first strategy won't work unless your employees and coworkers accurately understand that improper disposal of materials into the storm sewer system endangers it and pollutes the City's waters, and could result in penalties. Inform and remind your coworkers and employees that:

- *Proper equipment washing procedures at designated washing areas prevents illegal discharges*
- *Closing all covers at dumpsters and other storage areas helps ensure compliance*
- *'Topping-off' or overfilling fuel tanks increases the chances that you are illegally discharging*

Illegal discharges at your business...

Different businesses, by discharging larger quantities or different types of wastewater and utilizing varied waste disposal practices, affect the storm sewer system in different ways. You can take business-specific prevention measures to decrease the chances that your business will be penalized for an illegal discharge.

⊕ Automotive Services

Vehicle maintenance, by its nature, involves circumstances that make illegal discharges possible. Take steps to eliminate discharges by disconnecting and covering any floor drains that are not necessary for your operation. Use absorbents for spills and sweep these up instead of hosing the areas down. Make sure that any chemicals and fluids are closed properly, stored above ground level either inside or out of any weather. Have any underground storage tanks evaluated for leaks or seepage, and maintain any grease or sand traps on a regular basis. If your facility produces untreated wash water, you will need to have some means to capture and treat it on-site.

⊕ Restaurants

Food preparation and dish washing also produce large amounts of waste water. As with automotive services, your business's wash water must discharge to the sanitary sewer, and not the storm sewer. Be certain that grease is disposed of in compliance with applicable law, and make certain that employees understand

that pouring any greases or wastes down storm drains constitutes an ordinance violation.

⊕ Landscapers and Lawn Services

Landscaping services often produce large amounts of brush and other debris. If you own or operate such a service, you'll need to ensure that no brush, leaves, debris or topsoil are being stored or disposed of in or near stream banks or other stormwater conveyance channels. Excess fertilizers or pesticides should never be disposed of in or around storm drains or stored where they will be exposed to rainfall and stormwater runoff.

⊕ Laundromats

Laundry and washing services, as well, need to take measures to ensure that wash water and cleaning agents and contaminants are not entering the storm sewer and are not being improperly stored, where they might come in contact with stormwater runoff.

Saving time and money...

Understanding the intent and the restrictions of the Stormwater Ordinance will save you time and money. Knowing what is prohibited and what is allowable will help determine your site's layout, how you'll need to retrofit your existing site, or what practices will prevent ordinance violations and fines.

Department of Public Works
201 James Avenue
Colonial Heights, VA 23834
(804) 520-9334



**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6]**

ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6]

**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.1. Title.**

§ 286-16.1. Title.

This Article shall be known and may be cited as the "City of Colonial Heights Plan of Development Regulations" or simply as the "POD regulations."

**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.2. Authority.**

§ 286-16.2. Authority.

The City Council, pursuant to the recommendation of the Planning Commission and public hearing in accordance with Code of Virginia, § 15.1-431,^{EN(1)} does hereby exercise the police power conferred by City Charter Sec. 17.10 to assure the orderly development of land and the police power conferred by Code of Virginia, § 15.1-491(h),^{EN(2)} to require the submission and approval of plans of development.

**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.3. Purpose; penalties.**

§ 286-16.3. Purpose; penalties.

- A. The purpose of the requirements of this article as to the approval of plans of development is to provide for the submission of sufficient plans and information and to enable adequate

opportunity for review of such to ensure compliance with the provisions of this chapter.

- B. Any person violating the provisions of this article shall be subject to a fine of not less than \$10 nor more than \$1,000.

**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.4. Applicability and
exceptions.**

§ 286-16.4. Applicability and exceptions.

- A. The following uses require a plan of development under the provisions of this article:

- (1) Churches, schools or colleges, hospitals, nursing homes, institutional buildings, public buildings, parks and playgrounds.
- (2) Any land use or development for which a special use permit is required.
- (3) Any land use or development, including ingress and egress, in the following zoning districts: R-4, R-TH, R-PO, P-BO, B-1, B-2, B-3, M-L, M-1, M-2 and PUD.

- B. Exceptions. Exceptions shall be as follows:

- (1) Single- and two-family dwellings except as may be required by the Building Code, Article XXV of this chapter and other applicable regulations, all of which shall require administrative approval only.
- (2) Boundary line adjustments and vacation of lot lines when no site improvements are proposed and subdivisions and resubdivisions, except as may be required by Article XXV of this chapter.
- (3) Minor additions to existing facilities as determined by regulations promulgated by the Zoning Administrator and City Engineer.

**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.5. Compliance with
approved final plan required; prerequisite to issuance of building permit.**

§ 286-16.5. Compliance with approved final plan required; prerequisite to issuance of

building permit.

- A. It shall be unlawful for any person to construct, erect or structurally alter any building or structure or develop, change or improve land for which a plan of development is required except in accordance with the approved final plan of development.
- B. No building permit shall be issued to construct, erect or alter any building or structure or develop or improve any land that is subject to the provisions of this article until a final plan of development has been submitted and approved for construction.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.6. General procedure for plan approval.

§ 286-16.6. General procedure for plan approval.

- A. The developer or his agent shall prepare a preliminary plan of development in accordance with the provisions of this article, including a proposal for the installation of improvements and intended dedications of lands and utilities for public use as may be required by § 286-16.18 of this article. The developer shall then file a letter of application for conditional approval of the preliminary plan of development along with 12 copies of the preliminary plan of development with the Zoning Administrator. The plan shall be accompanied by a check payable to the City Treasurer evidencing the payment of all plan of development review fees as prescribed in the schedule of fees.
- B. A preliminary content review shall be made by the plan reviewing authorities. After receipt of preliminary comments by all reviewing authorities, the preliminary plan of development and pertinent review comments shall be presented to the Planning Commission for conditional approval.
- C. Upon receiving conditional approval, the developer shall incorporate the comments of the Planning Commission and preliminary review comments of the plan reviewing authorities into the plan of development and submit a final plan of development to the Zoning Administrator. Planning Commission action is not necessary on the final plan.
- D. The final plan of development shall be reviewed by the plan reviewing authorities in detail. When all reviewing authorities are satisfied that the final plan of development has met all requirements, and upon receipt of required performance documents, the final plan of development shall be stamped "Approved for Construction" by the City Engineer. No construction is to commence until the final plan of development has been signed by the City

Engineer.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.7. Review fees. [Amended 2-12-2002 by Ord. No. 02-2; 7-8-2008 by Ord. No. 08-14]

§ 286-16.7. Review fees. [Amended 2-12-2002 by Ord. No. 02-2; 7-8-2008 by Ord. No. 08-14]

There shall be a charge of \$300 for the examination and approval or disapproval of every preliminary plan of development submitted for conditional approval. At the time of filing the preliminary plan of development, the developer shall deposit with the Zoning Administrator a check payable to the City Treasurer, to be deposited in the general fund.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.8. Persons authorized to prepare plans.

§ 286-16.8. Persons authorized to prepare plans.

Plans of development or any portion thereof involving engineering, architectural design or land surveying shall be prepared or certified respectively by an engineer, architect or land surveyor duly registered by the Commonwealth of Virginia to practice as such.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.9. Preliminary plan.

§ 286-16.9. Preliminary plan.

- A. A preliminary plan of development shall be prepared on one or more sheets as needed to show clearly the information required by this article and to facilitate review and approval of the preliminary plan of development. If prepared in more than one sheet, match lines shall clearly indicate where the sheets join.
- B. A preliminary master concept plan may be requested for large areas planned to be developed in stages. Further changes, additions or deletions may be submitted as preliminary plans of

development wherein only that portion of the land or building affected need be shown.

- C. The preliminary plan of development may be submitted on standard reproduction papers, generally 24 by 36 inches, and shall be clearly legible, having white background and blue or black lines.
- D. Every preliminary plan of development shall show the following information on plan sheets and include where necessary and applicable such additional supporting documentation as may be required:
 - (1) Name and location of development.
 - (2) Name(s) and address(es) of the owner or owners of record and the name and address of the applicant.
 - (3) Name and address of the preparer of the plan of development.
 - (4) Current zoning and proposed use of the parcel to be developed and current zoning and use of all contiguous or abutting property.
 - (5) Subdivision name, block and lot numbers or tax map designations, if not a subdivision, of the parcel to be developed and all adjacent parcels.
 - (6) A vicinity map may be required by the Zoning Administrator if reasonably necessary for review. If required, the vicinity map shall show the location of the proposed development and the relationship of the site to existing community facilities which serve or influence it and shall include the site name, main traffic arteries, schools, parks, scale and North arrow.
 - (7) A boundary survey with an error of closure within the limit of one in 10,000, being drawn to scale with dimensions to the nearest one foot, which shall indicate the acreage of the site.
 - (8) Plan sheets shall indicate city, title, date, scale, North point and number of sheets. Scale shall be one inch equals 50 feet or larger for all plan sheets showing buildings or building lots and at least one inch equals 100 feet on plan sheets not showing buildings or building lots.
 - (9) All building restriction lines, highway setback lines, utility easements, covenants, reservations and rights-of-way on or adjacent to the site.
 - (10) Existing topography on and adjacent to the site as necessary, with a maximum contour interval of two feet.
 - (11) Existing storm drainage systems and natural and artificial watercourses on or adjacent to

the site.

- (12) Limits of any established one-hundred-year floodplain.
- (13) Location of tidal and nontidal wetlands, delineated in accordance with the Federal Manual for Delineating Jurisdictional Wetlands.
- (14) The boundaries of all lands designated Chesapeake Bay Preservation Areas (CBPA) by City Council and delineated on the CBPA maps.
- (15) All existing improvements, including public and privately owned utilities.
- (16) Proposed improvements: the approximate locations, dimensions, elevations, grades, size and heights of the following proposed items may be shown in sketch form:
 - (a) Proposed sidewalks, curb and gutter, streets, alleys, easements and pertinent construction related to the plan of development.
 - (b) Proposed public improvements as may be required by § 286-16.18 of this article.
 - (c) Approximate finished grading with a maximum contour interval of two feet.
 - (d) Buildings and structures, to include, in sketch form:
 - [1] Approximate dimensions of buildings.
 - [2] Proposed building line and side and rear yard setbacks.
 - [3] Distances between buildings.
 - [4] Number of stories and building height.
 - [5] Area in square feet of each floor.
 - [6] Approximate number of dwelling units.
 - [7] Architectural treatment, including graphic description of exterior colors and materials, architectural style and building scale. [Added 5-10-2005 by Ord. No. 05-9]
 - (e) Proposed entrances, exits, off-street parking areas, loading and handicapped spaces, interior drives and walkways, indicating size, angle of stalls, width of aisles and a specific schedule showing the number of parking spaces provided and the number required by this chapter.
 - (f) Proposed public and private sanitary sewer and water systems on and adjacent to the

site.

- (g) Proposed storm drainage systems and stormwater management systems on and adjacent to the site.
- (h) Location, type, size and height of proposed fencing, retaining walls and screen plantings and other landscaping requirements as provided in Article XXVI of this chapter. [Amended 5-13-2003 by Ord. No. 03-5]
- (i) Proposed recreation or open spaces.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.10. Contents of final plan.

§ 286-16.10. Contents of final plan.

Every final plan of development shall include in final, completed form all requirements of the preliminary plan of development as stated in § 286-16.9A through D of this article. In addition, the following requirements or submissions shall be included:

- A. The horizontal boundaries of the tract to the nearest one-hundredth (.01) of a foot and all bearings in degrees, minutes and seconds to the nearest ten seconds (10"), indicating monuments at all angle points.
- B. Finished grading with a maximum contour interval of two feet, except that where existing ground is on a slope of less than 2%, then one-foot contours or spot elevations shall be provided where necessary. Spot elevations shall be shown at fifty-foot intervals along the edge of existing pavement of streets receiving proposed curb and gutter. The site shall be graded to preclude the puddling of water.
- C. Typical sections showing proposed pavement design, transverse slopes, walkways, cut and fill slopes and dimensions of public streets or required turning lanes.
- D. Soil reports required for pavement and foundation design and other scientific reports as deemed necessary by the City Engineer.
- E. General notes, utility notes and details as promulgated by the City Engineer.
- F. Traffic signing and pavement markings for both temporary construction and permanent applications.

- G. Traffic signal plan, if required.
- H. Public streetlighting plan.
- I. Outdoor lighting within the development, if required.
- J. An erosion and sedimentation control plan in accordance with Chapter 241, Soil Erosion and Sediment Control, of the City Code, including maintenance easements if deemed necessary and appropriate due to the nature of the development.
- K. Requirements of Article XXV of this chapter, Chesapeake Bay Prevention Area Overlay District, including maintenance easements if deemed necessary and appropriate due to the nature of the development.
- L. Environmental assessments and requirements as may be required by this chapter.
- M. A landscape plan with appropriate maintenance arrangements for those portions permitted on City right-of-way, if required. Landscaping plants and materials permitted on City right-of-way shall not hinder vehicular sight distance or pedestrian access.
- N. Facilities for the handicapped.
- O. Irrigation plan with appropriate maintenance arrangements for those portions permitted on City right-of-way, if required.

**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.11. Design and
construction standards.**

§ 286-16.11. Design and construction standards.

All plan of development construction work materials and methods shall conform to the City Design and Construction Standards and Specifications as promulgated by the City Engineer and as are on file in the office of the City Clerk.

**CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 /
PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of
Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.12. Conformity with
applicable codes and regulations.**

§ 286-16.12. Conformity with applicable codes and regulations.

In addition to the City of Colonial Heights Design and Construction Standards and Specifications, all plans of development shall comply with prevailing laws, ordinances, rules and regulations as they may be applicable. Where any provisions of this article impose restrictions different from those imposed by any other provisions of City ordinances or regulations or other provisions of law, whichever provisions are more restrictive or impose higher standards shall control, unless the intent is clearly otherwise.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.13. Administrative responsibility and plan of development review by approving authorities.

§ 286-16.13. Administrative responsibility and plan of development review by approving authorities.

- A. Generally, the Director of Planning and Community Development shall be responsible for checking the plans of development for general completeness and compliance with adopted plans and such administrative requirements as may be established prior to routing copies thereof to plan reviewing authorities and shall see that all examination and review of the plans are completed by the reviewing authorities.
- B. Specific elements of plans of development which are properly submitted as provided in this article shall be reviewed by:
 - (1) The Director of Planning and Community Development or his agents, relative to compliance with:
 - (a) All applicable requirements of this chapter, proffered conditions or any approved special permit or special exception, to include the supplementary yard requirements of this chapter, including setbacks, side yard and rear yards, heights of buildings, lot area and lot coverage, fencing and screening and adequacy of vehicular parking as to the number of spaces, square footage per space and compliance with other applicable requirements of this article.
 - (b) The performance standards and other applicable provisions and requirements of the historic, wetlands, architectural and CBPA overlay districts of this chapter.
 - (c) Requirements for conditional zoning and planned unit developments.

- (2) The City Engineer or his agents relative to:
- (a) Compliance with applicable established design criteria and construction standards and specifications for all improvements.
 - (b) Location and design of vehicular and pedestrian access points and entrances and exits from public streets.
 - (c) Design of traffic circulation and control within the site and with adjoining properties.
 - (d) Location and adequacy of automobile parking areas.
 - (e) Adequacy of street design, traffic control and streetlighting.
 - (f) Adequacy of drainage, water supply, fire protection and sanitary sewer facilities.
 - (g) Adequacy of environmental assessments, water quality impact assessments, stormwater management plan, soil erosion and sediment control plan and Chesapeake Bay Preservation Act plan.

C. The above may be used for the purpose of review by:

- (1) The Building Official or his agent relative to the provisions of the applicable building, electrical and plumbing codes, handicapped facilities regulations and compliance with other applicable regulations.
- (2) The Fire Chief or his agent relative to the adequacy of fire protection, emergency access and compliance with the provisions of the local fire code.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.14. Submission and conditional approval or disapproval of preliminary plan.

§ 286-16.14. Submission and conditional approval or disapproval of preliminary plan.

- A. The preliminary plan of development shall be submitted to the Zoning Administrator at least two weeks in advance of the next regularly scheduled Planning Commission meeting.
- B. Notification of decision.
 - (1) If disapproved by the Planning Commission, the Zoning Administrator shall express its disapproval and reasons therefor in written form to the developer within two weeks after

the meeting.

- (2) If approved by the Planning Commission, the Zoning Administrator shall express its approval in written form as conditional approval, listing the conditions of the approval. Conditional approval shall be valid for a period of one year from the date of the Planning Commission meeting. The Zoning Administrator may grant an extension of the conditional approval on the basis of a finding that there has been no substantial change in circumstances.
- C. If disapproved by the Planning Commission the developer may appeal to the City Council. Written request for appeal shall be given to the Zoning Administrator within six months of the date of the disapproval by the Planning Commission.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.15. Limitations on conditional approval.

§ 286-16.15. Limitations on conditional approval.

Conditional approval of the preliminary plan of development shall not constitute approval for construction of the final plan of development. It shall be deemed as an expression of approval of the layout submitted on the preliminary plan of development as a guide to the preparation of the final plan of development. The final plan of development will be submitted for approval as specified in § 286-16.16 of this article.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.16. Submission and approval or disapproval of final plan of development.

§ 286-16.16. Submission and approval or disapproval of final plan of development.

- A. Six copies of the final plan of development and other exhibits required for approval, showing all or any part of a plan of development planned for immediate development, shall be prepared as specified in § 286-16.10 and shall be submitted to the Zoning Administrator.
- B. Upon receipt of the final plan of development, the Zoning Administrator shall distribute the plans to the plan reviewing authorities. Review shall be completed within 30 calendar days after an acceptable plan has been received.

- C. After all conditions and requirements, including bonding, surety, agreements, etc., have been complied with, the plan shall be stamped "Approved for Construction" and signed and dated by the City Engineer. Such approval shall be valid for a period of five years. In the event that it is not so approved, petition may be made to the Planning Commission of the City within six months after receipt of written rejection from the Zoning Administrator. No building permit shall be issued during the appeal process.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.17. Revisions to approved preliminary plan.

§ 286-16.17. Revisions to approved preliminary plan.

- A. The final plan of development shall conform to the preliminary plan as approved. Minor adjustments of the plan which comply with the spirit of this article and other provisions of this chapter, with the intent of the approving bodies in their approval of plans of development and with the general purpose of the comprehensive plan for development of the area may be approved by the Zoning Administrator with concurrence of the reviewing authorities concerned. Deviation from an approved plan of development without the written approval of the Zoning Administrator shall void the plan, and the applicant shall be required to resubmit a new plan of development for consideration.
- B. Any major revision of an approved plan of development shall be resubmitted to the Planning Commission in the same manner as originally approved; however, minor revisions may be approved by the Zoning Administrator and the City Engineer by written finding as to the specific reasons that such waiver will not be adverse to the purpose of this article.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.18. Required public improvements.

§ 286-16.18. Required public improvements.

In furtherance of the purposes of this chapter and specifically to assure the public health, safety and general welfare; to provide for adequate light, air, convenience of access and safety from fire, flood and other dangers; to reduce or prevent congestion in the public streets; to facilitate the creation of a convenient, attractive and harmonious community; to facilitate the provision of

adequate police and fire protection, disaster, evacuation, transportation, water, sewerage, flood protection and other public requirements; to protect against one or more of the following: overcrowding of land, undue density of population in relation to the community facilities existing or available, obstruction of light and air, danger and congestion in travel and transportation or loss of life, health or property from fire, flood, panic or other dangers; to encourage economic development activities that provide desirable employment and enlarge the tax base; and to protect surface water and groundwater quality, the following improvements shall be required, to the extent general or special law permit, for all uses and development to which this article is applicable, and no plan of development shall be approved unless the Planning Commission is assured that the following improvements will be made:

- A. Installation of walkways, traffic signals or modification to existing signals and construction of deceleration lanes, acceleration lanes, left-or right-turn lanes or additional lanes if determined necessary by the City Engineer to maintain the uninterrupted flow of anticipated and/or existing pedestrian and vehicular volumes.
- B. Curb and gutter shall be installed on the side of existing streets on which the plan of development abuts. The existing street shall be widened by the developer between the existing edge of pavement and proposed curb and gutter. Such widening shall be in accordance with the City Design and Construction Standards and Specifications.
- C. Curb and gutter may not be required when:
 - (1) The street abutting the plan of development has been designated by the Planning Commission as not requiring curb and gutter. Widening of the street will be required if determined necessary by the City Engineer to maintain the uninterrupted flow of anticipated or existing traffic volumes according to the City Design and Construction Standards and Specifications.
 - (2) In the opinion of the City Engineer, the construction of curb and gutter adjacent to the plan of development at that time would not be in the best interests of the City due to unusual existing topography or drainage conditions. In this event, the developer shall deposit into a special account with the City Treasurer an amount equal to the installed cost of the curb and gutter. Funds from this account shall accrue for future use at such time as curb and gutter are recommended for that site.
- D. Off-site improvements needed to serve the development with water and sanitary sewer, storm sewers or other improvements which will become a part of the City system. These improvements shall be routed so as to make future connection to adjacent properties accessible.
- E. An adequate street lighting system.

- F. Additional right-of-way or utility easements as required shall be dedicated to the City of Colonial Heights by separate plat.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.19. Developer to bear cost of improvements.

§ 286-16.19. Developer to bear cost of improvements.

All required public improvements shall be installed by the developer at his own cost.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.20. Assurance of public improvement construction; exception.

§ 286-16.20. Assurance of public improvement construction; exception.

- A. Prior to approval of the final plan of development, the developer shall submit to the Zoning Administrator a performance and maintenance agreement, accompanied by a surety bond, letter of credit or cash escrow covering 100% of the cost of the required public improvements and guaranteeing the maintenance thereof for 12 months after acceptance of the improvements by the City Engineer. Such bond, letter of credit or escrow agreement shall be approved as to form by the City Attorney and approved as to amount by the City Engineer. The amount of the maintenance guaranty shall be 10% of the total cost of the public improvements.
- B. Final plans of development having an aggregate estimated cost for required public improvements of less than \$5,000 shall be exempt from the bonding requirements stated in Subsection A above. The developer shall agree, however, to guarantee the maintenance of the required public improvements for a period of one year from the date of acceptance by the City Engineer.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.21. Indemnification of city.

§ 286-16.21. Indemnification of city.

The developer shall agree to indemnify, protect and save harmless the City of Colonial Heights for bodily injury or death to persons which may arise out of or be caused by the construction, maintenance, presence or use of the required public improvements and public easements located within the proposed site until the required public improvements and easements shall be accepted by the City. Evidence of public liability insurance, including a governmental endorsement thereto, issued by a company licensed to do business in the Commonwealth of Virginia shall accompany the final plan of development and be approved in form by the City Attorney.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.22. Inspection and supervision.

§ 286-16.22. Inspection and supervision.

- A. Inspections shall be made by the plan reviewing authorities or their agents, both on site and off site, to ensure general conformance of the construction with the requirements of the approved final plan of development.
- B. The developer shall provide adequate supervision on the site during the installation of all required improvements and shall have a responsible superintendent or foreman, together with one set of approved plans and specifications, available at the site at all times when work is being performed.
- C. Upon completion of the project, the developer shall request that a final inspection be made by the City Engineer. When all noted deficiencies have been satisfactorily corrected, the City Engineer shall accept the required public improvements.

CODE OF THE CITY OF COLONIAL HEIGHTS, VIRGINIA, v42 Updated 07-01-2010 / PART II GENERAL LEGISLATION / Chapter 286, ZONING / ARTICLE IA, Plan of Development [Added 6-9-1992 by Ord. No. 92-6] / § 286-16.23. Stop-work order.

§ 286-16.23. Stop-work order.

- A. In the event that inspection reveals that the construction of improvements does not conform to the requirements of the approved plan of development or it is found that unapproved materials or substandard workmanship are being used or it is found in the opinion of the City

Engineer or other plan reviewing authority that a hazard to public safety exists, the Zoning Administrator or his agent, acting on behalf of the City Engineer or other plan reviewing authority, shall stop the work from proceeding and shall require that any public safety hazard or noncompliance be immediately remedied.

- B. The Zoning Administrator shall provide written directions to stop work both on site and off site which shall be hand carried or mailed by certified letter to either the developer or his superintendent.

Endnotes

1 (Popup - Popup)

Editor's Note: See now Code of Virginia, § 15.2-2204.

2 (Popup - Popup)

Editor's Note: See now Code of Virginia, § 15.2-2286, provision 8.

Department of Public Works Construction Plan Review Checklist

Plan Name: _____

Date: _____ Reviewed By: _____

Engineer understands that any changes made to the road, drainage, water and/or waste water design will require a submittal to the Department of Public Works for review and approval of the revised plans reflecting those changes.

All revisions must include an explanation either on the plans or by separate transmittal.

Plan Format:

Plans for roads, utilities, drainage, and erosion control shall be submitted to the Department of Public Works (6 sets, including sewer and water line profiles). All plans must be folded and bundled accordingly. Include separate agency transmittals for PUBLIC WORKS (3), PLANNING (1), FIRE (1), and MAINTENANCE & OPERATIONS (1). Plans will not be processed nor forwarded unless 2 copies of the approved preliminary plan are included in the initial submittal package for the Department of Public Works. If sectioning is desired, each section must be submitted as a separate plan package and bundled accordingly.

Program Administration:

The fee must accompany the initial plans submission and is processed at the front counter.

The following information (where applicable) is to be provided or considered on all plans submitted for review.

Cover Sheet, must be Standard City Cover Sheet with all applicable information completed:

- ____ 1. Plan name and section designation, where applicable
- ____ 2. Zoning case number and Council approval date (provide a copy of the approved resolution)
- ____ 3. Preliminary case number and approval date (provide a copy of the approval letter)
- ____ 4. Name of Developer/Owner, Walk-in Address, Telephone Number, and Email address.
- ____ 5. Date
- ____ 6. Engineer and/or Surveyor, Address, signed certification stamp, Telephone number and Email address.
- ____ 7. Vicinity Sketch showing existing road names.

- ____ 8. Provide note stating how CBPA compliance has been achieved for the project
- ____ 9. Complete Sheet index
- ____ 10. Property Tax ID/GPIN/Parcel #'s
- ____ 11. Certification statement of the lot numbers, block letters/numbers and road names, etc.

ADDITIONAL COMMENTS:

Detail Sheet(s) must include the Standard City Detail Sheet and shall contain the following information at a minimum:

- ____ 1. Show details of all proposed structures for which there is no standard drawing or modification of standards drawn to scale. Examples would be channel cross-sections, typical road cross-sections, sidewalk sections, etc.
- ____ 2. If a VDOT standard is modified, detail must be shown with all applicable dimensions drawn to scale.
- ____ 3. List all construction notes necessary to complete the work.
- ____ 4. Number assigned to structure shall be shown with detail.

ADDITIONAL COMMENTS:

Utility Detail Sheet(s) must include the Standard City Utility Note and Detail Sheet and shall contain the following information at a minimum:

- ____ 1. Show details of all proposed utilities. Examples would be manholes, meter vaults, fire hydrants, etc.
- ____ 2. If a standard detail is modified, the detail must be shown with all applicable dimensions drawn to scale.
- ____ 3. List all construction notes necessary to complete the work.
- ____ 4. Number assigned to each utility shall be shown with detail.

ADDITIONAL COMMENTS:

Erosion Control Detail Sheet(s) must include the Standard City E&S Note and Detail Sheet and shall contain the following information at a minimum:

- ____ 1. Are details with applicable information provided on the detail sheet for every EC measure specified.
- ____ 2. If a standard detail is modified, the detail must be shown with all applicable dimensions drawn to scale.
- ____ 3. List all construction notes necessary to complete the work.
- ____ 4. Has the temporary silt trap/sediment basin schedule been completed on the applicable EC Detail sheet with volumes and dimensions (length, width, depth, and side slopes).
- ____ 5. A note must be added to the plans as follows: "All vegetative and structural erosion and sediment control practices will be constructed and maintained according to minimum standards and specifications of the Virginia Erosion and Sediment Control Handbook and Virginia Regulation VR 625-02-00."

ADDITIONAL COMMENTS:

Erosion Control:

- ____ 1. A note must be added to the construction sequence which requires the owner to give the City inspector 48 hours notification to schedule an on-site pre-construction meeting for the issuance of a Land Disturbance Permit. This note should be the first step in the erosion control narrative/sequence of construction.
- ____ 2. The following note(s) must be added to or adjacent to the erosion control narrative / sequence of construction: (If applicable)
 - All offsite easements must be recorded prior to issuance of a land disturbance permit for this project.
 - All onsite easements, including SWM/BMP maintenance easements must be recorded prior to issuance of a certificate of occupancy for this project.

- The SWM/BMP facility must be certified by a professional engineer prior to issuance of any certificate of occupancy.
 - A ROW permit is required for this project prior to issuance of a land disturbance permit.
 - At the time of the pre-construction meeting, two standard signs must be installed on each side of the construction access. These signs may be installed on tripod devices and should state either “CONSTRUCTION ENTRANCE AHEAD” or “TRUCKS ENTERING HIGHWAY”.
 - The riser and pipe barrel associated with the sediment basin must be on-site prior to issuance of a land disturbance permit.
- ____ 3. An erosion and sediment control narrative is required which includes a detailed sequence of construction which coordinates the installation and removal of the erosion and sediment control measures with construction of the remainder of the project.
- ____ a. Has the construction narrative been shown on the EC plan, not elsewhere.
- ____ 4. Has a commentary been provided that addresses the sensitive areas (RPA’s, wetlands, steep slopes, etc.) and erodible soil types.
- ____ 5. Steps must be included in the sequence of construction for the installation of utilities, storm sewer, drop inlets, inlet protection, curb & gutter, and building construction, etc.
- ____ 6. Erosion control measures must be provided for the project for the initial clearing, grubbing, and grading operations. The drainage areas must be outlined and the sediment trapping facilities designed on the worst case scenario.
- ____ 7. Have the clearing limits been restricted to only those necessary to install the perimeter EC measures-SF, DD, ST’s, SB’s, and stockpile area.
- ____ 8. Provisions must be made in the narrative to allow all proposed sediment traps and basins to remain in place until all on-site contributing areas are stabilized.
- ____ 9. Provisions must be made in the erosion control narrative for conversion of the sediment basin into a SWM/BMP facility after the upstream areas are fully stabilized.
- ____ 10. Provisions must be made in the erosion control narrative for the infiltration facility to be observed by a professional engineer during construction. "As built" information will be required for future certification of the facility.

____ 11. Standard symbols must be used to represent erosion control measures on the plan. Please refer to the first page of the practice found in Chapter iii of the Virginia Erosion and Sediment Control Handbook.

____ 12. Does the EC plan ghost such features as ROW, property lines, centerline stationing, street names, lot numbers such that the EC measures and related activity “standout” in the plans.

____ 13. The exact limits of land disturbance must be shown.

____ 14. The construction entrance (CE) must be graphically shown on the plans and constructed as wide as the proposed permanent entrance.

____ a. Is there enough concern to require a wash rack on the construction entrance.

____ 1. If a wash rack is required, add the following note in **bold print**:
“Installation of a wash rack is required for this site to wash mud and debris from all construction equipment and vehicles prior to leaving the construction area. Water trucks must be provided for the wash rack. Positive drainage must be maintained from the wash rack to a sediment trapping device.”

____ 15. Any soil stockpile area must be located on the plans. Silt fence must be provided around the perimeter if it is located outside the perimeter erosion controls for the site.

____ 16. A minimum 10' break must be provided in the low area of the silt fence. The break must be backfilled with stone to within 1' of the top of the silt fence to serve as an overflow. A detail must be shown.

____ 17. Safety fence (STD. & SPEC 3.01) is required around all sediment traps and sediment basins.

____ 18. The sediment basin(s) must be designed in accordance with STD. & SPEC. 3.14 of the VESCH. Sediment basin design calculation sheets must be submitted with all design data addressed and shown on construction details included on the plans.

____ a. Does the EC plan provide a 1' contoured grading plan for the construction of the sediment basin(s).

____ 1. Provide trash rack detail with dimensions.

- ____ 2. Provide Sediment Basin dam section with elevations and dimensions.
- ____ 3. Provide emergency spillway detail with dimensions.
- ____ 4. Provide reclamation grading plan for removal of the sediment basin.
- ____ 19. The culverts downstream of the detention basin(s) must be analyzed for adequacy based on the 10-year storm. Existing inadequate culverts in city easements and under city or state roads, into which a project drains, must be enlarged or on-site detention based on the ultimate development of the contributing watershed provided to achieve minimum 10 year performance of the pipe(s). A drainage area map must be provided for both on-site and off-site drainage areas.
- ____ 20. Are temporary slope drains specified to convey sediment laden runoff from the road templates over the fill slopes exceeding 5' in height.
- ____ 21. Has an itemized Cost Estimate been submitted for approval of bond amount.
- ____ 22. Have MS-19 calculations with field-taken sections ($H=V$) been submitted for on-site/off-site receiving facilities.
 - ____ a. 2-yr analysis for natural
 - ____ b. 10-yr analysis for manmade
 - ____ c. Does section location satisfy 1% rule.
 - ____ d. Are section locations shown/labeled.

Prior to issuance of Land Disturbance Permit:

- ____ 1. Received Planning, Fire, Building Inspection, and M&O approvals prior to Department of Public Works plan approval.
- ____ 2. Received documentation from COE/DEQ.
- ____ 3. Received processed VSMP registration and fee form.
- ____ 4. ROW Permit is required for this project
- ____ 5. Provided DB-PG of all off-site easements.
- ____ 6. EC bond posted.

____ 7. Engineer and/or Surveyor has notified all property owners prior to performing any design and/or surveying work (copy of such notification is attached). Permission must be obtained from the adjacent property owner(s) allowing for grading on the property as proposed.

____ 8. Performance bond with estimated completion date.

____ 9. Development Forms.

Prior to issuance of certificate of occupancy:

____ 1. Two (2) complete sets of As-Built construction plans

____ 2. A CD/DVD, the format of which shall be AutoCAD.dwg or dxf, must be submitted to Stephen Edwards of the Department of Public Works. The CD/DVD must contain the following (including all field changes), each in a separate layer:

- a. Final grading contour lines (min. 5' intervals);
- b. Proposed building footprint(s);
- c. All impervious area (parking lots, driveways, roads, etc);
- d. All existing and proposed easements;
- e. The storm sewer system; and
- f. Water and waste water systems.

A layer report printed from AutoCAD must be submitted with the CD/DVD. Both the CD/DVD and the report must be labeled with the plan name, plan number, and the engineering firm. All AutoCAD files must be referenced directly to the Virginia State Plane Coordinate system, South Zone, in the NAD83 Datum.

____ 3. All onsite easements must be recorded, provide deed book/page number.

ADDITIONAL COMMENTS:

Chesapeake Bay Preservation Act:

____ 1. A perennial flow determination must be submitted for review and/or approval prior to construction plan approval.

____ 2. Confirm Worksheet A (pollutant removal requirements) calculations approved.

- ____ 3. A data map must be submitted which outlines all drainage areas, impervious areas (existing and proposed), RPA and RMA limits, etc. Which were utilized in determining compliance with the Chesapeake Bay Preservation Ordinance:
- ____ 4. Have BMP design calculations been submitted.
- ____ a. Volumes where depths exceed 8' (entire water column) excluded from water quality volume.
- ____ 5. Provide separate BMP grading plan on 1" = 20' scale.
- ____ a. Specify the 2, 10, and 100 year water surface elevations (WSE) in plan and profile.
- ____ b. Clearly show and label the total drainage area for the SWM/BMP.
- ____ c. Provide minimum 3:1 length to width ratio across bottom of basin per E&SC Manual.
- ____ d. Provide a scaled centerline profile of the pond and embankment with applicable elevations, slopes, widths, etc.
- ____ e. Provide enlarged scaled principal/emergency spillway detail with applicable elevations, dimensions, material, etc.
- ____ f. Does principal concrete spillway provide 10-yr capacity.
- ____ g. Have sediment forebay(s) been provided at major inflow points.
- ____ h. Forebay dimensions should not exceed 20' due to cleanout limitations.
- ____ i. Emergency spillway may be grass or riprap lined in natural ground or paved in fill to 100-yr depth.
- ____ j. Does wet pond range in depth from 3' to 8'.
- ____ k. Top of dam shall provide minimum 1' freeboard above 100 year WSE.
- ____ l. Top of dam width minimum 8' and slopes 3:1 or flatter for maintenance.
- ____ m. Does dam embankment section specify an impermeable clay core keyed into impermeable subgrade.
- ____ n. Provide 12" valve/12" pipe with elbow off the bottom to lower pond for maintenance.
- ____ o. O-ring RCP pipe shall be used for barrels/risers.
- ____ p. Inflow pipes shall be partially submerged to the spring line (half the pipe diameter).

- ____ q. A sluice gate must be provided to facilitate draining the BMP for maintenance.
- ____ r. Riser and pipe barrels no smaller than 15”.
- ____ s. Perforations in the riser must be precast, not field made. Add a note to the riser detail.
- ____ t. Plastic Trash rack specified and a dimensioned detail provided that shows the method of securing the plastic trash rack/anti-vortex device to the concrete riser pipe.
- ____ u. The required storage volumes for water quality and water quantity must be shown on the profile view of the basin.
- ____ 6. Has a SWM/BMP maintenance and access easement been shown enclosing entire facility and embankment/outfall.
 - ____ a. Established 25’ off 100-yr WSE or toe of dam.
 - ____ b. Provided minimum 20’ wide access easement to ROW.
 - ____ c. Provided minimum 12’ wide, 6” base stone access road design & detail.
 - ____ d. A minimum 12’ wide ramp must be provided from the access gate to the bottom of the SWM/BMP facility. The slope cannot exceed 6:1.
- ____ 7. SWM/BMP safety measures required for slopes steeper than 6:1, 20’ from the shoreline.
 - ____ a. When concrete weir depth exceeds 3’, a pedestrian crossing structure shall be constructed across the weir.
 - ____ b. For basins 4’ or less in depth and < 1 acre surface area a safety bench is required.
 - ____ c. For basins greater than 4’ in depth or more than 1 acre surface area, both safety and aquatic benches are required.
 - ____ d. Is safety bench 10’ wide at 10:1 slope
 - ____ e. Is aquatic bench 6’ wide at 6:1 slope
 - ____ f. Fencing around basin alternative to safety/aquatic benches - minimum height of fence 6’.
- ____ 8. Has 10’ vegetative perimeter yard setback measured from 100-yr WSE or the toe of dam been shown/dimensioned. (must be within limits of project)

- ____ 9. Dimension/Label the "100' RPA Buffer Area" landward of wetlands contiguous to perennial streams to establish limits of the RPA.
- ____ 10. Are minor/major Water Quality Impact Assessments required.
- ____ a. Minor < 2500 Sq. ft.
- ____ b. Major > 2500 Sq. ft.
- ____ 11. If infiltration trenches are specified:
- ____ a. Several soil borings must be made within the limits of the infiltration trench to a depth of at least five feet below the bottom of the trench. A percolation test must be performed to determine if the infiltration rate of this soil is acceptable.
- ____ b. A minimum of two observation wells are required for the infiltration trench.
- ____ 12. Due to the high possibility for spills of oil, gas, anti-freeze, etc.
- ____ a. Does an oil-grit separator need to be installed. Design calculations must be submitted and details provided on the plans for its construction.
- ____ b. Does an "off-line" sand filter need to be installed. Design calculations must be submitted and details provided on the plans for its construction
- ____ 13. The facility certification process shall be performed by an engineering/surveying professional at the owner's expense.

ADDITIONAL COMMENTS:

Plan Sheet(s) shall contain the following information:

- ____ 1. Indicate all proposed and existing rights-of-way widths, all lot lines, all lots with numbers, easements (including DB/PG#), all street names and existing State route numbers if applicable. Stipple all areas proposed to be paved.
- ____ 2. Adjacent property owners name(s), GPIN's/Tax ID's and lot lines must be shown.

- ____ 3. Show complete street curve data on the plan sheets to include the following stationing (PC, & PT), L, K, A, R, Delta, Chord Distance, and Chord Bearing.
- ____ 4. Indicate centerline stations at 100' intervals and at all other strategic points, i.e. drainage structuring, etc. and intersection of streets.
- ____ a. Does stationing ascend from left to right.
- ____ 5. When proposed and existing streets intersect, indicate existing conditions for 600 feet in each direction. This is to include width of pavement, right of way, location and direction of roadside drainage, any culverts to include inverts, etc.
- ____ 6. Indicate proposed driveway entrance culvert size (10-year), length, and location. (if applicable)
- ____ 7. Indicate all proposed and existing storm sewers, culverts and appurtenances, identify by type, size, slot length, material, inverts.
- ____ a. Every inlet and segment of storm sewer shall be assigned a structure number. A drainage structure description shall be provided as applicable on each respective plan sheet.
- ____ 8. Indicate, with arrows, the direction of flow in all gutters, storm sewers, ditches, subsurface drains, streams, minimum finished floors, etc.
- ____ 9. Indicate all existing and proposed ditches and streams and any relocations showing longitudinal slope, and furnish detailed typical section showing type of stabilization to be provided and maximum and minimum vertical depth.
- ____ 10. Indicate direction of North on each sheet.
- ____ 11. Indicate location and description of all benchmarks and their elevation referenced to mean sea level. Two (2) benchmarks must be shown on the proposed plan and at least one (1) of the benchmarks must be shown within the limits of the proposed plan.
- ____ 12. Indicate location of any City control monuments within vicinity.
- ____ 13. Plans shall be to a scale of 1"=50' (Maximum)
- ____ 14. Any notes that may be necessary to explain the intent and purpose of the plans.
- ____ 15. Indicate the location and width of all proposed and existing sidewalks and walkways.
- ____ 16. Show/label all USACOE wetlands, WOUS, 100-yr F/P, BW, RPA's.

- ____ 17. Dimension 10' building setback off the 100-yr F/P, 100-yr BW, wetlands/WOUS and RPA, whichever is most restrictive.
- ____ 18. Show Dimensioned Building Envelopes (DBE) where critical, as determined by the Department of Public Works.
- ____ 19. Indicate proposed and existing lakes and ponds on-site and in vicinity of projects. (NOTE: Separate detailed plans are to be submitted for all such structures).
- ____ 20. Easements (in Plan View) must be stationed in such a manner as to coordinate with profiles.
- ____ 21. Match lines must be shown with any overlap distinguished by dotting such overlap.
- ____ 22. Cut and fill construction limits must be shown.
- ____ 23. Table of Estimated Quantities (including breakdown for stone, asphalt, C&G, sidewalk, drainage pipe, etc.).

ADDITIONAL COMMENTS:

Design Requirements:

- ____ 1. Have zoning conditions been satisfactorily addressed in construction plans.
- ____ 2. Have preliminary plan conditions been satisfactorily addressed in the construction plans.
- ____ a. Does the construction plan road/lot/site layout and RPA limits match the approved preliminary plan.
- ____ 3. Has a site inspection been made to "field truth" existing conditions as shown in the construction plans.
- ____ a. Do road beds or other features exist which should be graded/restored to surrounding ground elevation.
- ____ 1. Earmark lots with NBP
- ____ 4. Are natural drainage ways (unencumbered by wetlands/WOUS) adequate conveyance systems which should have 10' Building Setback Limit (BSL) dimensioned.
- ____ a. Specify that they are to remain in a natural state undisturbed.

- ____ 5. Does existing drainage flow pattern conflict with building envelope.
- ____ a. Has a contoured grading and drainage plan been provided.
 - ____ b. Earmark site or lots with NBP_(grading)
 - ____ c. Dimension a Building Envelope 10' off the top of bank of drainage way.
- ____ 6. Has an approvable road design for sag conditions per VDOT Standards been provided a minimum 300' into adjacent property/future sections in plan and profile.
- ____ a. Utility Easements and Temporary Construction Easement's (TCE's) for fill slopes outside ROW.
- ____ 7. Are utility easements and/or improvements necessary to guarantee upstream off-site areas a permanent conveyance thru on-site development.
- ____ 8. Are proposed road fill slopes beyond the limits of ROW enclosed in utility easements.
- ____ a. Minimum 10' TCE's within lots adjacent to future road extensions.
- ____ 9. Top of curb elevations must be shown at the nose of all radial curb and at all appreciable breaks in horizontal or vertical alignment.
- ____ a. The radius of all radial curbing must be shown
- ____ 10. Dry gutter is required where runoff flows away from the face of curb. These areas must be cross-hatched and a detail provided on the plan for construction of dry gutter. Dry Gutter is **not allowed** within City ROW.
- ____ a. The symbol used for dry gutter in plan view must be shown on or adjacent to the detail for its construction.
- ____ 11. A detail must be shown on the plan which demonstrates the ability to obtain a minimum of 2' of horizontal backfill behind the curbing and drop inlets prior to beginning a back slope which cannot exceed 3:1 without encroaching onto any adjacent property. The detail must be to scale.
- ____ 12. The finished floor elevation of all structures must be shown.
- ____ 13. Bituminous curbing (Std. MC-3A) is required along the edge of pavement separating different phases of the project.
- ____ 14. A pavement design is required for all paved areas.

____ 15. Does lot drainage cross more than 2 lots. If so, generally follow the guidelines below:

____ a. Specify grass side yard swales (5:1 SS @ 12" depth) minimum 1% slope including a profile or spot flow line elevations.

____ b. Dimension side yard swale 5' off the property line on the upstream side of downstream lot.

____ c. Grass yard swales across multiple lots to be enclosed in minimum 16' utility easement to ensure permanent conveyance.

____ d. Earmark lots requiring grass side yard swales with NBP (No Building Permit)

____ e. Provide a 6" vertical opening with a 2' concrete gutter in the back of DI's within the ROW where available to intercept side yard swales.

____ 16. To assure positive lot drainage, do Minimum Crawl Space Elevations (MCSE) need to be specified a minimum 1' above original ground.

____ a. Provide typical MCSE detail.

____ 17. Do the 100-yr calculations submitted show that the backwater elevation is at or below the 100-yr floodplain upstream/offsite.

____ a. If the proposed 100-yr elevation is higher, a 100-yr backwater easement or revised floodplain limits must be recorded.

____ 18. Does proposed grading activity establish limits of 100-yr floodplain or backwater.

____ a. Has filling in the 100-yr FP to achieve a building envelope been proposed – **it is prohibited.**

____ b. Have the 100-yr FP limits been shown to verify that proposed filling is only to enlarge building envelopes, by separate submittal.

____ c. Limits must be certified by a licensed professional prior to the release of the Building Permit and so stated in the plans.

____ 19. Could proposed building envelopes be impacted by a dam failure during the 100-yr storm event.

____ a. Specify MFF(DF) elevation 1' above dam failure.

____ b. Show Dimensioned Building Envelope (DBE) outside dam failure limits.

Parking spaces, handicapped requirements and Entrances:

- ____ 1. Have all CG-12 handicapped ramps been shown with truncated domes (yellow)
- ____ 2. Have handicapped ramps been shown at all intersections and entrances to proposed commercial buildings.
- ____ 3. Have sidewalks/ramps been shown adjacent to proposed handicapped parking spaces.
- ____ 4. The minimum dimensions for 60 degree angled parking spaces must be 19' x 9' (TYP).
- ____ 5. The minimum dimensions for 90 deg parking spaces must be 18' x 9' (TYP)
- ____ 6. The min. dimensions for handicapped parking spaces must be 18' x 8' (TYP)
- ____ 7. Have the adequate number of handicapped parking spaces been provided.
- ____ 8. Have at least one van accessible sign and space been provided.
- ____ 9. Have the dimensions for the dumpster pad been shown along with required screening (fencing)
- ____ 10. Have bumper blocks been provided on all parking spaces that are directly adjacent to sidewalks.
 - ____ a. If bumper blocks are not provided, then a minimum 2' grass strip must be added between the curb and sidewalk, or the width of the proposed sidewalk must be increased to 7'.
- ____ 11. Have sidewalks been shown connecting parking lots or adjoining sites.
- ____ 12. Are shared entrances shown with ingress/egress easements to adjoining sites.
- ____ 13. Fencing shown on the plans above proposed/existing retaining wall higher than 30" above ground elevation must provide fencing detail. Coordinate the type of fencing and all code requirements with Bernie Murrell, Building Official at 804-520-9298.
- ____ 14. The maximum allowable grade for a subdivision/commercial entrance in the first 25 feet, starting 14' back from EP on intersecting road, should be no more than 3%.
 - ____ a. The maximum allowable grade for the next 40 feet should be no more than 6%.

ADDITIONAL COMMENTS:

Profile Sheet(s) shall contain the following information:

- ____ 1. Existing centerline profiles and stations must be shown on all proposed streets, storm sewers, stream relocations, outfall ditches (to existing streams, and on drainage ditches to include location and elevation of utility crossings).
- ____ 2. Offset profiles of existing ground should be shown to the right and left of centerline at the right of way line – include legend.
- ____ 3. The finished grade line of all streets must show and include:
 - ____ a. Show complete street curve data to include the following stationing (VPC, VPI, VPT), elevations (VPC, VPI, VPT), L, K, A, R, Delta, Chord Distance, and Chord Bearing.
 - ____ b. Percent of grade
- ____ 4. Stations shown on profile must agree with stations shown on plan. Stations must progress in the same direction on both plan and profile.
 - ____ a. Does stationing ascend from left to right.
- ____ 5. When proposed and existing streets intersect, indicate existing conditions for 600 feet in each direction. This is to include location and direction of roadside drainage, any culverts to include inverts, etc.
- ____ 6. Show existing/proposed profiles 300 feet beyond construction limits of roads that stub into adjacent properties or future sections.
- ____ 7. Show proposed culverts and/or storm sewer crossings at the proper location and grade.
- ____ 8. Each storm sewer system should be shown in its entirety to include, at a minimum, the following information: (including Structure number)
 - ____ a. Percent of grade and length
 - ____ b. Size and material
 - ____ c. Show catch basins, inlets, etc. with proposed elevation for tops and inverts.
 - ____ d. Show existing and proposed ground surface over centerline of system.

- _____ e. Existing/Proposed utilities passing perpendicular to the system or sharing a common easement (to include outer elevation)
- _____ 9. Open channels must include, at a minimum, the following:
 - _____ a. Percent of grade
 - _____ b. Centerline profile
 - _____ c. Existing ground profiles at centerline and easement edge.
 - _____ d. Typical section showing 10-year design depth, side slopes, lining, and pertinent hydraulic data.
- _____ 10. Provide a legend for existing and proposed structures, existing and proposed ground and pavement profile, other utilities, etc.

ADDITIONAL COMMENTS:

Utility Plan Sheet(s) shall contain the following information:

- _____ 1. The utility plan must include an overall plan of the water and waste water layout, including any phasing of the development.
- _____ 2. Indicate all proposed and existing rights-of-way widths, all property lines and property markers (stones, rods, pins, pipes, monuments, etc.), proper labeling of subdivisions (lot numbers, block, subdivision boundaries, etc.), easements (including DB/PG#), all street names, and existing State route numbers, if applicable.
- _____ 3. Adjacent property owners names, GPIN's/Tax ID's and lot lines must be shown.
- _____ 4. Have municipal, subdivision and/or drainage area boundaries been shown.
- _____ 5. Indicate the location and width of all proposed and existing sidewalks and entrances.
- _____ 6. Indicate centerline stations at 100' intervals and at all other strategic points, i.e. drainage structuring, utilities, etc. and intersection of streets.
 - _____ a. Does stationing ascend from left to right.
- _____ 7. Match lines must be shown with any overlap distinguished by dotting such overlap.
- _____ 8. Indicate direction of North on each sheet.

- ____ 9. Indicate with arrows, the direction of flow in utilities, subsurface drains, streams, minimum finished floors, etc.
- ____ 10. The horizontal and vertical scale must be shown on each sheet (the scale should be the same on plan and profile)
- ____ a. Vertical scale should be 1" = 5' or 1" = 10'
- ____ b. Horizontal scale must be 1"=50'.
- ____ 11. Scaled drawings must be accurate to within +/- 2% for vertical and horizontal scales.
- ____ 12. Easements must be stationed in such a manner as to coordinate with profiles.
- ____ 13. Are existing water and/or wastewater lines properly labeled with size.
- ____ a. Are horizontal and vertical distances referenced on the plan.
- ____ b. Are reference distances from right of way, boundaries, buildings, other utility lines, etc. shown.
- ____ 14. Is the alignment of utilities in the right of way consistent with City guidelines.
- ____ a. Have the lines been shown 4' from face of curb or 2' off pavement where there is a ditch.
- ____ 15. Do all water and waste water designs conform to the latest City, State and Federal regulations or standards. (at a minimum, reference has been made to City Standard specifications and details)
- ____ 16. When proposed and existing streets intersect, indicate existing conditions for 600 feet in each direction. This is to include width of pavement, right of way, any culverts to include inverts, utilities, etc.
- ____ 17. Are the locations of existing homes, buildings, fences, wells and other structures shown on the plans. In lawn or kept areas, trees and shrubs in the easements are shown (size and type).
- ____ 18. Have detailed drawings been provided for all stream crossings and storm sewer outlets, with elevations of the stream bed, the 100 year flood elevation, and normal water elevation shown/labeled.
- ____ 19. Have pavement boring details, etc. been shown on the plans.
- ____ 20. Have plans been submitted to State Health Department for review and approval where applicable. A copy of transmittal letter and approval must be provided.

- ____ 21. Show all cut and fill areas within the limits of the existing and proposed waste water and/or water lines.
- ____ 22. Has a Table of Estimated Quantities been provided (including breakdown of types of pipe).
- ____ 23. Are any adjacent road, drainage, and/or utility projects shown - **REQUIRED**.
- ____ 24. Has consideration been given to areas where roads and drainage structures may be lowered in the future.
- ____ 25. If a horizontal bore is shown, provide the following information, bore location, length of bore, pit location (average 8' x 35'). Information must be shown in relation to all existing and/or proposed utilities on plan and profile.
- ____ 26. Are the locations of special features (concrete encasement, riprap stabilization at creek crossings, clay dams, etc.) shown on the plans.
- ____ 27. Have the necessary easement plats on-site and/or off-site been submitted for processing. Plats concur with Exhibit A at the end of checklist.

ADDITIONAL COMMENTS:

Utility Plan-Design Requirements:

- ____ 1. Have zoning conditions been satisfactorily addressed in the construction plans.
- ____ 2. Have preliminary plan conditions been satisfactorily addressed in the construction plans.
- ____ 3. Have existing and proposed storm sewer lines, gas, telephone, power, and other utility lines, which cross or run parallel to the waste water or water lines, been shown with exact horizontal and vertical separations given. Subsurface exploration must be performed where potential conflicts exist, where applicable.
- ____ 4. Does the plan show all fire hydrants, meter settings, blow-offs, manholes, tees, bends, valves, reducers, etc. Has each appurtenance been properly labeled, including pipe sizes.

- ____ a. The location of fire hydrants will be coordinated with the Fire Department by the Department of Public Works. Fire hydrant locations must comply with design guidelines.
- ____ 5. Have waste water pipes, manholes, clean-outs, tees, bends, grinder pumps, flushing connections, etc. been labeled with size, grade, length, direction of flow, and type & class of pipes (with backup calculations on the type & class pipe needed, where applicable).
- ____ 6. Have solid lines been used to show proposed water and waste water, short dashed lines to show existing water and waste water and labeled future water and waste water or portions covered under other phases of construction.
- ____ 7. Indicate the location and dimensions of all water and waste water service connections.
- ____ 8. Have conflicts with storm sewers and other utility lines been shown with appropriate design changes.
- ____ a. Are ditch lines shown on the plan.
- ____ b. Have temporary and/or permanent silt basins been shown.
- ____ 1. Have the waste water lines and manholes been designed around these structures.
- ____ 9. Have water line/waste water stubs for future extensions been designed to be installed beyond the edge of pavement.
- ____ 10. Have calculations been checked for accuracy.
- ____ 11. Do clay dams or other acceptable designs need to be shown at appropriate locations to avoid water from creeks and/or lakes being diverted along pipe bedding.
- ____ 12. Received confirmation that the engineer has contacted Virginia Power/Columbia Gas/Verizon/etc. to obtain exact location of utility lines and received as-built information.

ADDITIONAL COMMENTS:

Water:

- ____ 1. Has the water system been designed in accordance with available pressures/
have fire flow and pressure calculations been provided, in accordance with
Appendix 14.
- ____ 2. Have water services been shown in accordance with the design standards.
 - ____ a. Are water meter boxes shown at the edge of the right of way, outside of
non-vehicular traveled areas. Where it is not possible to locate the boxes out of
the driveways, and/or vehicular traveled area, a cast iron box is specified.
- ____ 3. Does the plan show all connections to existing subdivision mains, etc.
 - ____ a. For water line tie-ins, the plans must show the valve to be used for cut off
during the tie-in.
- ____ 4. Have fire hydrants and air relief valves been shown on plan and profile.
 - ____ a. Have hydrants or blow-off valves been designed at major low places in
the line where possible
 - ____ b. Have air release valves been designed at high points in the line where
possible.
 - ____ c. Have blow off devices (flushing hydrants) or hydrants been designed at
the end of all lines in cul-de-sacs.
 - ____ 1. Locations of hydrants must comply with guidelines outlined in
design standards.
- ____ 5. Knockdown meter box shall not be located within any travel areas.

ADDITIONAL COMMENTS:

Waste Water:

- ____ 1. Has a sewerage drainage area map with hydraulic analysis been included in
plans.
- ____ 2. Have minimum finished floor elevations and basement elevations been shown on
plans, where applicable.

- ____ 3. Received confirmation that the engineer has field verified the inverts of the existing manhole(s). Where invert elevations are different from the as-built plans, the engineer has verified his survey work and notified the Department of Public Works of the discrepancy.
- ____ 4. Have manholes been labeled with top and invert elevations; coordinates; and locations, size and inverts of drop stacks.
- ____ a. Have manholes been designed to an elevation above the 100 year flood plain elevation as set forth in the design standards.
- ____ b. Have deflection angles at all manholes or bearings of all lines been shown and labeled on the plans.
- ____ 5. Have manholes in easements been referenced.
- ____ 6. Does ground coverage over waste water pipes meet minimum criteria.
- ____ 7. Are there buildings where the finished floor elevation of the building is below the top elevation of the nearest upgrade manhole from the building connection, as well as on any irrigation meter.
- ____ a. Provide notation that a backwater/check valve is to be used at each location.
- ____ 8. Has a minimum of ten (10) feet horizontal separation been maintained between waste water lines, waste water laterals and water meters or water blow off devices (flushing hydrants) and between waste water lines and storm drainage structures.
- ____ 9. Are pipes between manholes of like material and class.
- ____ 10. Have existing waste water laterals been shown on the plans, with station, length and depth.
- ____ 11. Have waste water lines been designed with the entry into the manhole by the proposed waste water lines at an angle of 90° or greater to the downstream line, or if an exception has been granted, the engineer has increased the drop through the manhole to compensate for the reduced angle and has provided a blowup detail for the appropriate invert shaping that achieves the same results as a 90° or greater entry.

____ 12. Whenever connecting waste water laterals to an existing waste water line, has proper notation been put on the plans that "the contractor must use a mechanical hole cutter when tapping the existing waste water line and that an approved saddle shall be used" and the appropriate lots affected by this have been identified in the note.

____ 13. Where new manholes are proposed over existing lines, have distances from the new manhole to the two existing manholes been shown; inverts of the manhole and each existing manhole are shown; slope of existing line from new manhole to upstream and downstream existing manholes been shown.

____ 14. Have manholes that are proposed within areas where vehicles travel been located either on center line of road or center of traveling lane.

____ 15. Has the engineer provided the manhole number, as directed by DPW, and the City project number associated with the existing manhole.

____ 16. Have minimum finish floor (sewer) elevations been specified.

____ 17. Provide a note on the plans stating that the 6" waste water laterals are to be installed at 1% grade (min.).

____ 18. Provide the invert elevation of the Clean Out at the ROW line for each lateral.

____ 19. Sampling manholes are required for new facilities currently regulated by local or federal industrial waste pretreatment laws. Examples of these commercial facilities include, but are not limited to, restaurants, carwashes, auto repair shops, and Laundromats. Appropriate measures have been included in the design to allow for sampling of industrial waste. A sampling manhole shall be provided at the property line to facilitate random 24-hour composite sampling. In those cases where a private manhole on-site can be utilized for this function, adequate provisions will be agreed upon to facilitate sampling. Provisions include ingress/egress to the private manhole, ability to sample, and adequate space to set a 24-hour composite sampler.

ADDITIONAL COMMENTS:

Utility Profile Sheet(s) shall contain the following information:

____ 1. Proposed, existing, and original ground elevations are shown.

- ____ 2. Existing centerline profiles and stations must be shown on all utilities (water and waste water).
- ____ 3. Stations shown on profile must agree with stations shown on plan. Stations must progress in the same direction on both plan and profile.
- ____ a. Does stationing ascend from left to right.
- ____ 4. Show proposed water and waste water crossings at the proper location and grade, as well as culvert or storm sewer crossings.
- ____ 5. Each utility system (water and waste water) should be shown in its entirety to include, as a minimum, the following information: (including Structure number)
- ____ a. Percent of grade and length
- ____ b. Size and material
- ____ c. Show valve, T's, meters, blow offs, hydrants, manholes, clean-outs, tees, bends, grinder pumps, flushing connections, etc. with proposed elevation for tops/inverts.
- ____ d. Show existing and proposed ground surface over centerline of system.
- ____ e. Existing/Proposed drainage improvements passing perpendicular to the system or sharing a common easement (to include outer elevation)
- ____ 6. Where waste water lines are in excess of 12' deep, the location of the waste water lateral has been identified and must be installed in accordance with the standard details and the appropriate notes are reflected on the plans.
- ____ 7. All "%" slopes are divisible by 4 to the nearest hundredth, where possible.
- ____ 8. Greater than 0.4% minimum slope has been used whenever possible.
- ____ 9. Has a legend been provided for waste water and water lines, other utilities and structures existing and proposed ground and pavement profile.
- ____ 10. Do the crowns of all waste water lines enter the manholes at crown's level or higher as specified in the design standards.
- ____ 11. Has a minimum of eighteen (18) inches of vertical clearance been designed and provided at all crossings of other utilities, or as specified by other utility agencies, or otherwise approved by the Department of Public Works.
- ____ 12. Do all water lines have a minimum cover of 3.5'.
- ____ 13. Has the depth of any ditch(es) been shown on the profile.

ADDITIONAL COMMENTS:

Hydrology:

Include the following note in the review comments for all Construction Plans:

It is acceptable but not advisable to show hydrological and hydraulic calculations on the plans. A revision to the calculations can be handled by separate submittal when they are not shown on the construction plans. When they are shown on the plans, a complete resubmittal of the plans to the Department of Public Works is required.

- ___ 1. Rational Method limited to maximum 200 acres
 - ___ a. 1.25 Saturation factor used for 100-yr storm calculations.
 - ___ b. OLF length does not exceed 200 feet
 - ___ c. flow path shown/labeled
- ___ 2. TR-55 method used for areas exceeding 200 acres
- ___ 3. Are runoff coefficients, CN's, Tc's and drainage areas acceptable.

ADDITIONAL COMMENTS:

Hydraulics:

- ___ 1. Culverts, storm sewer and open channels designed to minimum 10 year criteria:
 - ___ a. 10-yr flow less than pipe capacity.
 - ___ b. 10-yr HW/D < 1 for private entrance culverts within ROW
 - ___ c. All calculations submitted on standard VDOT forms
 - ___ d. All pipes are Class III RCP at a minimum.
 - ___ e. Dimensioned channel section with 10-yr lining depth, side slopes, bottom width specified/shown in plan/profile
 - ___ f. Open channel slopes < 0.75% shall be paved.
 - ___ g. Open channel/Storm sewer minimum slope 0.2%
 - ___ h. Manhole steps required in structures 4 feet and greater in depth
 - ___ i. EC-1 or OP specified at beginning and ends of storm sewer/culverts

- ____ j. IS-1 restricted to pipe diameters < 30"
- ____ k. Pipe diameter > 30" shall qualify for 50% reduction in junction losses only if precast manhole tee's and elbows specified
- ____ l. First roadside ditch culvert adjacent to drainage break may be 12" RCP.
- ____ 2. Specify private/secondary RCP entrance culvert diameters and lengths on each lot.
 - ____ a. Minimum 20' length for private/secondary entrance culverts
- ____ 3. Open Channel:
 - ____ a. Riprap channels not acceptable in front or beside single-family homes unless further than 100' from homes or otherwise approved.
 - ____ b. Riprap channels can be used to rear of lots if no closer than 75' to homes.
 - ____ c. Where paved channels are steeper than 15%, anchor lugs are required every 10', C' – C'
 - ____ d. 8" vertical wall (freeboard) required along outside radius of paved ditches.
 - ____ e. In the absence of a detailed soils report, the maximum permissible velocity allowable on bare earth is 3.5 fps. Velocities between 3.5 fps and 4.0 fps require a jute lining and any velocities greater than 4.0 fps require a structural lining of either riprap or concrete.
 - ____ f. Open channel depths shall be less than 3', otherwise channels shall be piped.
- ____ 4. Riprap lining a minimum 24" thickness with geotextile fabric underlayment at a grade of 0%.
- ____ 5. Has 3 inlet configuration or CG-6 with concrete driveway aprons specified on cul-de-sac's intercepting upstream road runoff.
- ____ 6. Hydraulic grade line calculations are required to support the design of all proposed storm sewers. (10 & 100 year calculations)
- ____ 7. Culverts, storm sewer, and open channels analyzed for 10-yr property protection
 - ____ a. Are 10-yr contained within easements/ROW or 10-yr overflow limits shown.
 - ____ b. Are 100-yr backwater limits/elevations shown.

- ____ c. Do single point access roads and secondary entrance culverts pass the 100-yr storm without overtopping the road sag. Maximum 6" overtopping with second point access.
- ____ d. Are 100-yr Floodplain limits shown along natural drainage ways.
- ____ e. Are 100-yr Floodplain cross sections with elevations shown along floodplain limits.
- ____ f. Are MFF elevations specified at lots 1' foot above 100-yr floodplain (FP) or backwater (BW) or road sag (SAG) elevations, whichever is greater.
- ____ g. Where flatter topography exists, 100-yr floodplain limits must be field verified by licensed professional and so stated on the plans.
- ____ h. Where flood proofing is required, a registered professional engineer or architect shall certify that the flood proofing methods are adequate to withstand the flood depths, pressures, velocities, impact and uplift forces and other factors associated with the base flood prior to approval of the building permit by the Department of Public Works.
- ____ 8. Headwalls/Endwalls are required for pipes 24" or larger, or multiple lines or when slopes exceed 15%.
- ____ 9. All roof water and down drains must be collected and discharged in a non-erodible manner.
- ____ 10. House/Yard/Roof drains must either connect at inlets or Boot connectors must be specified in the tabular drainage description for all plastic pipes that tie into a concrete structure. Provide a detail.
- ____ 11. DI-1 yard inlets required in city easements - horizontal grate/inlets not acceptable.
 - ____ a. Specified minimum 2' concrete gutters
 - ____ b. Specified slot opening locations (N,E,W,S)
 - ____ c. DI-1 detail included in construction plan details
- ____ 12. For car washes, unless they are using a recycle system for the water, it must be connected to the waste water system.

ADDITIONAL COMMENTS:

Easement Plan:

- ____ 1. A separate plan sheet must be included which only shows all proposed easements and right of way to be dedicated. Metes and bounds must be provided.
- ____ 2. Do the Type/Location of easements match location of all ingress/egress, utilities and basins on plan.
- ____ 3. Are all public sanitary, storm, water, loop detection, sidewalk easements labeled as “Utility Easement”
- ____ 4. Are Ingress/Egress Access Easements shown between adjoining properties and along any joint entrance roads
- ____ 5. Are Utility easements for waterlines extended to include meters and fire hydrants

ADDITIONAL COMMENTS:

Pre and Post Drainage Area (General Topographic) Sheet(s) shall contain the following information:

Include the following note in the review comments for all Site Plans:

The department has not performed a review of those on-site drainage conveyance systems whose contributing drainage areas lie within the limits of the property and are not required to be enclosed in a city easement.

- ____ 1. The drainage area plan shall not be incorporated into the EC plan.
- ____ 2. Show existing contours (maximum of five foot interval) to mean sea level datum (or lesser interval where deemed necessary by Department of Public Works).
 - ____ a. Numeric contour elevations clearly shown
 - ____ b. Contours clearly establish ridge lines
- ____ 3. Show proposed and existing road right of way with road lanes, layout, property and lot lines; Residential and commercial buildings, parking lots, other physical features etc. (1”=50’ or 100’)
- ____ 4. Show on contour map, the stations and lot numbers.

____ 5. Indicate schematically, all proposed and existing drainage structures, channels, etc. showing structure numbers.

____ 6. Indicate limits of drainage areas and the acreage of each area. When the off-site drainage area becomes larger than one hundred (100) acres, the limits of the area may be shown on a larger scale map (maximum 1"=2000') with a larger contour interval (maximum 10'). All drainage area maps must be scaled maps and completely contoured with contour elevation and part of the actual plan assembly. (not submitted separately)

____ 7. Indicate limits of computed 100-yr flood plains, 100-yr BW, wetlands, RPA's/RCMA's and identify.

____ 8. Use arrows to indicate direction of flow on all roads, ditches, pipes, rivers, etc.
ADDITIONAL COMMENTS:

Traffic Control Plan:

____ 1. Is temporary vehicle detection needed at the proposed entrance prior to construction activity commencing.

____ 2. Are permanent vehicle detection loops and/or any modifications to existing loops shown.

____ a. Are easements necessary.

____ 3. Are traffic control boxes or wiring shown.

____ a. Are any easements necessary

____ 4. Are modifications to existing traffic signals and installation of overhead signage necessary at intersection or entrance, etc....

____ 5. Are Traffic notes and details that are applicable to the required improvements and modifications to existing traffic signals/signage for this site.

____ 6. Does a Larger scaled detailed drawing or inset need to be provided to better show pavement markings, signage or other traffic devices.

____ 7. Have transitions been shown from proposed pavement markings to existing, such as transitions from proposed entrance gutters or E/P to existing white edge lines.

- ____ 8. Have directional arrows been shown on pavement for all turning lanes.
- ____ 9. Do proposed site entrances properly and safely address vehicular movement to and from site and through site.
 - ____ a. This needs to be addressed with signage and pavement markings.
- ____ 10. Are mini skip lines shown on any Dual turn lane.
- ____ 11. Does the proposed entrance or roadway align with other roads at an existing intersection/roadway. This **must** be shown on the plan.
- ____ 12. Entrance width shown f/c – f/c (14’-20’ one way or 30’-50’ two way)
- ____ 13. Have all existing pavement markings and traffic signal devices been shown.
- ____ 14. Have R1-1 stop signs and 24” stop bars been shown at all exits/ intersections.
- ____ 15. Has above ground signage been shown for handicapped spaces.

ADDITIONAL COMMENTS:

Lighting Plan:

- ____ 1. Include project section sheet showing proposed streetlight locations, as per the streetlight policy.
 - ____ a. The location, type, and height of the luminaries, including all exterior lights, light poles, lighting under canopies, and lights attached to or directed towards building.
 - ____ b. A description of the luminaries, including lamps, poles or other supports, and shielding devices which may be provided as catalogue cut sheets from the manufacturer.
 - ____ c. A photometric plan over the site plan.
 - ____ d. Any required easements shown.
- ____ 2. Is the Ornamental light cabinet shown with a direct on/off switch.
- ____ 3. Do the plans show how the light cabinet will obtain electricity.
- ____ 4. Are the Ornamental light cabinets on 2’ minimum concrete pad.
- ____ 5. Is 2” conduit shown beneath entrance aprons within grass strip for future lighting.
- ____ 6. Do the plans show schematics for any proposed underground wiring.

ADDITIONAL COMMENTS:

Landscaping Plan:

____ 1. A ten-foot-wide landscape strip shall be provided along all property lines that abut public rights-of-way. For large lots, a five-foot wide landscape area also shall be provided between parking areas and public alleys.

____ 2. Landscaping strips separating parking areas and adjacent property lines shall be required as follows:

____ a. For small lots (<22,000 sq. ft.), a minimum of 2.5 feet.

____ b. For large lots (>22,000 sq. ft.), a minimum of five feet. In addition, between parking areas and buildings, there shall be a minimum of 10 feet to allow for a five-foot wide sidewalk and a five-foot wide landscape area immediately adjacent to the building.

____ 3. All proposed dumpster locations and SWM/BMP facilities shall be screened by plantings in addition to any required board fence screening or fencing necessitated for safety issues. The type, size and spacing of plantings shall be the same as that screening required for parking areas.

____ 4. Parking areas screened.

____ a. Parking areas of a small lot shall be landscaped from adjoining public rights-of-way.

____ b. Parking areas of a large lot shall be landscaped from adjacent properties and public rights-of-way.

____ c. Parking areas shall be screened by the use of appropriate plantings for year-round coverage (e.g., evergreens) and shall be a minimum mature height of 3.5 feet, except where traffic safety concerns regarding sight distance are present.

____ d. The preferred shrub species to be used to fulfill this requirement shall include, but not be limited to, Upright Yew, Winterberry (a.k.a. Northern Bayberry), Sentinel Japanese, Buford Chinese, or Nellie R. Stevens Holly, Hetz Juniper, Glossy Privet, Autumn Eleagnus, Red Photinia.

____ 5. Trees required along property lines.

____ a. For a small lot, a minimum of one tree shall be provided for every 50 feet of the property line, or part thereof, that abuts public rights-of-way; i.e., 60 feet of property line requires two trees.

____ b. For a large lot, a minimum of one tree shall be provided for every 50 feet of all property lines, or part thereof; i.e., 60 feet of property line requires two trees.

____ c. The placement of trees shall be evenly spaced and/or coordinated with existing conditions and proposed improvements as provided herein and shall be in addition to any other screening that may be required. Each tree shall be located in the landscape strip provided by the above-mentioned requirements.

____ 1. The preferred tree species to be used to fulfill this requirement shall include, but not be limited to, Eastern Red Bud, Crepe Myrtle, Pear (any variety), Dogwood, Yoshino or Kwanzan Cherry, Golden Rain Tree.

____ 6. Interior parking lot landscaping.

____ a. Interior parking lot landscaping shall be provided by the use of raised, curbed, landscaped islands and areas, and, for a large lot, also at each end of an aisle of parking. A maximum of 15 parking spaces uninterrupted by a landscape island is permitted. Landscape islands separating parking spaces shall be:

____ 1. For small lots, a minimum of five feet wide by 18 feet deep with rounded ends; and

____ 2. For large lots, a minimum of eight feet wide by 18 feet deep with rounded ends.

____ b. One shade tree shall be required for every 10 parking spaces. The tree shall be planted within the interior of the parking lot and in one of the islands provided, either the end and/or middle of a parking row. Trees planted along the property line boundaries do not count toward fulfilling this requirement.

____ 1. The preferred tree species to be used shall include, but not be limited to, Maples (excluding Red, Silver, or Norway), Thornless Honeylocust, Autumn Purple Ash, Oak (Northern Red, Scarlet, or Swamp Chestnut), Littleleaf Linden, Green Ash, Golden Rain Tree, Pear (any variety).

____ c. Redevelopment of existing parking lots. Interior parking lot islands, perimeter landscaping and other landscaping required in this section shall be installed at the time existing parking lots are redeveloped as part of a new plan of development.

____ 1. If minimum off-street parking standards cannot be met, interior and perimeter landscaping areas that were formerly parking spaces can be counted as part of the minimum parking space requirements

____ 7. Minimum size of plantings:

____ a. The following sizes shall be used as the minimum installation size for the different plantings proposed on the landscape plan:

____ 1. Evergreen trees: five feet tall at time of planting, measured from the finished grade.

____ 2. Deciduous trees: two-and-five-tenths-inch caliper.

____ 3. Screening shrubs: two feet tall, measured from the finished grade.

____ 4. Screening shrubs shall be spaced to provide 70% capacity within three years.

____ 8. Plantings selection:

____ a. Species with potential nuisances, such as roots, seed pods, fruit, etc., should be avoided.

____ b. When more than five trees are required to be planted on a site, no more than 50% of those trees shall be of one species.

____ c. When more than 25 trees are required, no more than 25% of the required trees shall be of a single species.

____ d. No trees will be allowed in any proposed public easements utilized for utilities.

____ e. Proposed landscaping shall be coordinated with existing vegetation on adjacent properties to provide a good finished product.

____ 9. Where landscaping would adversely affect the use of a proposed auto dealership's vehicle display area(s), an equivalent area may be provided elsewhere in landscape islands. This provision is stated in reference to fulfilling the parking lot shade tree requirement. Each vehicle display space shall count as a parking space when calculating the required number of trees. The requirement to provide islands at the end of rows and in between spaces that exceed 15 spaces in a row will be waived for the display area only, provided that there is enough available area to plant the required trees elsewhere. For the purposes of this section "vehicle display area" shall mean that area so designated for the display of vehicles for sale. Such space shall be shown in the same manner as a parking space and included on the landscape plan sheet for review and verification of compliance with this article.

ADDITIONAL REVIEW COMMENTS:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

[illegible]

6.1.4 - Personnel Training on Pollution Prevention Measures

Instructions: Record below the names of the employees trained during this evaluation year and the dates trained. 25% of required employees must be trained each evaluation year.			
Date	Employee Name	BMP Resource Number	Certification Affirmation <i>(by signing below I am affirming that I have undergone the training noted on the date assigned)</i>
5/8/2014	Michael West	2014 SWT - APWA 2,32,25,40	
5/8/2014	Daniel Kanusek	2014 SWT - APWA 2,32,25,40	
5/8/2014	Theodore Berberich	2014 SWT - APWA 2,32,25,40	



Meeting Initiation Checklist



Project Name (where applicable):

Facilitator:

Meeting Date:

Background				
Reason for meeting:				
Objectives				
	Yes	No	N/A	Explain if applicable:
Did <i>a priori</i> meeting objectives exist?	☐	☐	☐	
Did these objectives change throughout the course of the meeting?	☐	☐	☐	
Were the objectives of the meeting prioritized?	☐	☐	☐	
Have action items been associated to these objectives?	☐	☐	☐	<i>If yes, explain under Action section, below.</i>
Constraint(s)				
	Yes	No	N/A	Comments
Do the objectives/action items have time limits or deadlines attached to them?	☐	☐	☐	
Have interdependencies between other projects or continuing objectives been identified?	☐	☐	☐	
Have community constraints been identified?	☐	☐	☐	
Have administrative constraints been identified?	☐	☐	☐	

Meeting Deliverables				
	Yes	No	N/A	Comments
Were deliverables defined during the meeting?	☐	☐	☐	
Has acceptance criteria been established for each deliverable?	☐	☐	☐	
Implementation Estimates				
	Yes	No	N/A	Comments
Proposed start date of action items	☐	☐	☐	
Proposed end date	☐	☐	☐	

Actions:

Use this section to identify the meeting's action items and to assign an action item ID, if applicable.

ID	Action Item	Assigned To	Due By

Attendants:

Name: _____ Department: _____ Date: ____/____/____
 Name: _____ Department: _____ Date: ____/____/____
 Name: _____ Department: _____ Date: ____/____/____
 Name: _____ Department: _____ Date: ____/____/____
 Name: _____ Department: _____ Date: ____/____/____

**CITY OF COLONIAL HEIGHTS
DEPARTMENT OF PUBLIC WORKS
OPERATION AND MAINTENANCE INSPECTION RECORD**

1. A licensed professional engineer must conduct all inspections utilizing the approved construction plans.
2. As a minimum, all items must be inspected and any discrepancies and necessary repairs noted. Include estimated cost of necessary repairs or actions.
3. Upon completion of the inspection, one (1) copy, indicating estimated completion date and cost of noted discrepancies and repairs, is to be forwarded by the inspection firm to the: City of Colonial Heights, Department of Public Works, Attn: SWM/BMP Inspection Report, P. O. Box 3401 Colonial Heights, VA 23834. The original form must be forwarded to the owner of the facility.
4. The facility owner's representative must indicate on the original form the actual completion date and actual cost of acquired repairs, after which the facility owner must sign and return one (1) copy of the form to the: City of Colonial Heights, Department of Public Works, Attn: SWM/BMP Inspection Report, P.O. Box 3401 Colonial Heights, VA 23834.

Name of Project:				Location Project:	
Owner of Facility:				Date of Inspection:	
Inspection Item	Acceptable?		N/A	If Not Acceptable Describe Repairs Needed	Estimated Cost of Repairs
	Yes	No			
I. DAM / EMBANKMENT					
A. Vegetation					
1.) Trees					
2.) Bare Spots					
B. Settlement/Stabilization					
1.) Cracks					
2.) Depressions					
3.) Erosion					
C. Rodent/Wildlife Damage					
D. Evidence of seepage					
E. Bridges					
II. PRINCIPAL SPILLWAY					
A. Obstructions in Spillway					
B. Inlet and Outlet Structures					
1.) Signs of seepage					
2.) Separation of joints					
3.) Cracks, Breaks, or Deterioration of Concrete					
4.) Differential Settlement					
5.) Undermining					

FORM REVISED FEBRUARY 2009. OTHER VERSIONS OF THIS FORM ARE OBSOLETE AND WILL NOT BE ACCEPTED.

OPERATIONS AND MAINTENANCE INSPECTION RECORD					Page 2
Name of Project:					
Inspection Item	Acceptable?		N/A	If Not Acceptable Describe Repairs Needed	Estimated Cost of Repairs
	Yes	No			
II. PRINCIPAL SPILLWAY (cont'd)					
C. Settlement Buildup					
D. Scour at Inlet					
E. Riser and Trash Rack					
1.) Vertical Position					
2.) Securely Attached					
3.) Stone Cone Functional					
4.) Low Flow Perforations Functional					
5.) No Accumulated Debris					
III. GATES OR VALVES					
A. Fully Functional					
B. No Rust Damage					
C. No Evidence of Leaking					
VI. RESERVOIR AREA					
A. Inlet Structures					
1.) No Erosion					
2.) No Settlement					
3.) No Undermining					
4.) No Silt Buildup in Forebays					
B. No Silt Buildup in Entire Basin					
C. Wet Volume per Design					
V. LOW FLOW CHANNELS					
A. No Sediment Buildup					
B. No Accumulated Debris					
C. No Undermining					
D. No Other Damage of Deterioration					
VI. WETLAND GRASSES					
A. If Required by Plan, Present Where So Required					

OPERATIONS AND MAINTENANCE INSPECTION RECORD

Page 3

Name of Project:

Inspection Item	Acceptable?		N/A	If Not Acceptable Describe Repairs Needed	Estimated Cost of Repairs
	Yes	No			
II. FENCES					
A. Posts in Place and Secure					
B. Fencing in Place and Secure					
C. No Accumulated Debris					
D. Access Gate Functions					
E. Vegetative Barriers in Place					

Note Any Other Discrepancies Observed and Necessary Repairs (attach separate page if necessary). Attach Pictures of Condition at

Time of Inspection.

Estimate Repairs Completion Date:

Total Estimated Cost of All Repairs:

The Professional Engineer's Information:

Inspection Conducted by: _____ P.E.

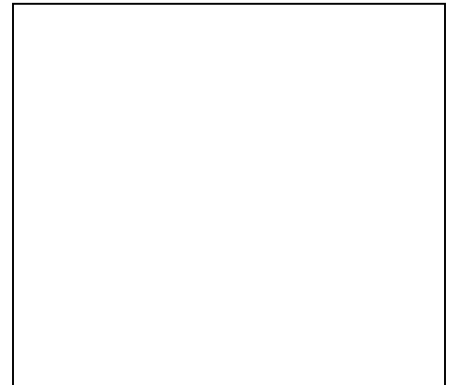
Firm: _____

Address: _____

Phone: _____

Signature of P.E.

Performing the Inspection: _____



Place signed, Professional Stamp Here

Facility Owner Information:

Owner's Representative: _____

Representative's Title: _____

Mailing Address: _____

Phone: _____

ACTUAL DATE ALL REPAIRS COMPLETED:

ACTUAL TOTAL COST OF ALL REPAIRS

Attach pictures of completed repairs

Representative's Signature: _____

Maintaining Your BMP

Stormwater Management • Department of Public Works • City of Colonial Heights



BMPs, or Best Management Practices, are facilities designed to reduce the impacts of pollutants and increased stormwater, caused by development, on local streams. They are an essential part of a region's efforts to restore aquatic habitats in, and protect the health of, its waters. However, BMPs will fail if not properly maintained. Once a BMP fails, it will no longer perform its intended functions and is often very expensive to replace. The following is information that will help you maintain your BMP and potentially avoid expensive long-term repairs.

Which type of BMP do you have?

BMPs exist in several types and various sizes. **Dry ponds** retain water for a specified period of time (usually 48 hours) after a storm. **Infiltration trenches** are gravel-filled excavations that temporarily store stormwater and allow it to slowly sink into the underlying soil. **Wet ponds** contain a permanent pool of water much like a lake. **Grassed swales** are earthen, hill-like conveyance systems designed to simply transfer runoff to areas that will allow stormwater to soak into the soil where particles are trapped by the groundcover. **Sand filtration systems** (sand filters) are used to treat runoff from highly impervious areas like paved parking lots and high density residential areas, usually constructed inside a concrete shell and placed underground. **Bioretention facilities**, or rain gardens as they are often called, are basins designed to mimic the conditions found on a mature forest floor by being planted with specific types of vegetation, some of which are selected because of their ability to hold and convert pollutants to biomass.

Routine Maintenance...

While actual maintenance needs will vary according to the specific facility and site conditions, the following are a few routine steps you can take to ensure the proper function of your BMP.

💧 Mowing

Most grass is hardiest if it is maintained as an upland meadow, cut no shorter than 6 to 8 inches. If a more manicured look is desired, special attention to the health of the turf is needed and professional landscapers should be consulted. Grass should never be cut below 4 inches. Grass on embankments should be cut at least twice during both growing seasons and once during the summer.

💧 Sediment Build-Up

Because vegetation surrounding a BMP is designed to trap sediment, it is likely to become laden with sediment causing bare spots to emerge. Bare areas should be vigorously raked, backfilled if needed, and covered with top soil. Disturbed areas should be seeded with a tall fescue grass seed. Excess material should be taken off-site and can be used as a mulch or soil supplement. If the soil becomes compacted, it will require aeration by a landscape company.

💧 Unwanted Vegetation

Certain types of vegetation are destructive to a BMP. Keeping the dam and bottom areas of your BMP free of deep-rooted vegetation (trees and bushes) is critical because roots can destabilize the structure. Consistent mowing and monitoring will control any unwanted vegetation.

💧 No-Mowing Zones

For wet ponds, a 10 foot un-mowed vegetated buffer around the perimeter of the facility (exclusive of the dam embankment) may be established to filter pollutants from adjacent properties and to help prevent shoreline erosion.

💧 Structural Stabilization

Animal burrows, in addition to the deep-rooted trees and bushes mentioned above, will also deteriorate the structural integrity of an embankment. Muskrats in particular, will burrow tunnels up to 6 inches in

diameter into pond and dam walls. Efforts should be made to control excessive animal burrowing, and existing burrows should be filled as soon as they are discovered.

Mechanical Components

Some BMPs have mechanical components that need periodic attention (valves, sluice gates, pumps, fence gates, locks, etc) and should be functional at all times. This type of routine maintenance is best left to a BMP professional.

Insect Control

Mosquitoes are not a common problem in regularly maintained BMPs since they are designed to let the water escape. Regular maintenance then, is the best

way to prevent mosquito issues. The best control technique for ensuring that stagnant pools of water do not develop is debris control. For BMPs that have a permanent pool of water, this means the prompt removal of floatable debris wherein stagnant pools could collect.

Debris & Litter Control

Regular removal of debris and litter can help reduce the chance of clogging in outlet structures, prevent damage to vegetated areas, reduce mosquito breeding habitats, maintain facility appearance and reduce conditions for excessive algae growth. Special attention should be given to the removal of floating debris which can clog inlet and outlet devices.

When to call a professional...

Self-inspection of your BMP should be able to identify unexpected or irregular ponding, improper health of vegetation or growth of unwanted vegetation, obstructions of the inlet or outlet, excessive erosion or sedimentation, signs of dumping or pollutants other than sediment, cracking or settling of the BMP's structural components, wetness on the downstream side of the dam (indicating seepage), low spots or sinkholes in bottom areas, deterioration of pipes, condition of the emergency spillway, condition of fences, shore erosion, stability of the side-slopes and downstream channel conditions, as well as signs of vandalism. Inspection of underground systems like sand filtration systems or infiltration trenches are obviously more difficult. A non-professional should never enter confined spaces meant for maintenance personnel. However, circumstances like water remaining in the system longer than designed draw down time, obvious signs of excessive sediment build up or debris around the facility and signs of disturbance of manholes or damage to the structure caused by vehicles or settling are indications that your BMP could benefit from a professional's services. Though Colonial Heights requires biannual inspections of your BMP, in many instances, an annual inspection will benefit your facility by decreasing the potential for development of serious maintenance concerns.

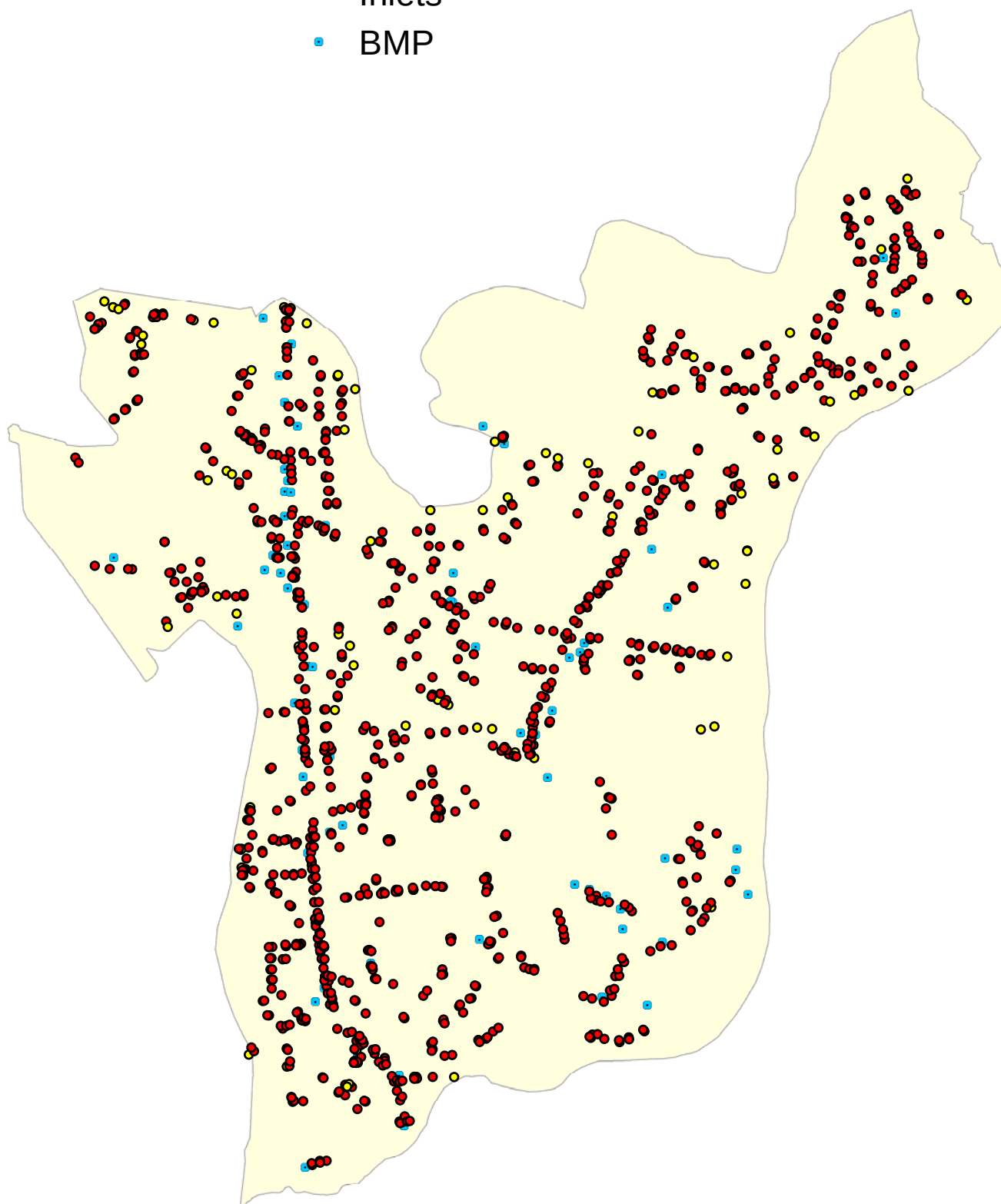
Remember...

Routine and scheduled maintenance will help keep your BMP operating to its design, help ensure that our City and its waters are a healthier place to live, and could help save you some costly maintenance or repair bills.



Structural Stormwater Controls in Colonial Heights

- Outfalls
- Inlets
- BMP



FY15 Annual Activity Report

Run Date: 10/19/2015 4:50 PM

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023043-070214	Patsy Dixon	3500 Boulevard	Near Boykins Ave cleaned 2 catch basins of building materials from the fire removed 1/4 cubic yards of debris.	Completed		
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023094-071014	Patsy Dixon	236 Battery Pl.	Cleaned curb Inlet removed a car bumper	Completed		
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023095-071014	Patsy Dixon	656 Battery Pl	Removed 1/4 cubic yard of debris from a Curb Inlet - Trash and asphalt.	Completed		
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023096-071014	Patsy Dixon	153 Windsor Ave.	Removed 1/4 cubic yard of debris from a Curb Inlet - Trash, silt and grass clipping	Completed		
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023097-071014	Patsy Dixon	City Wide	Collected 1 cubic yard of debris from: 601 Pinehurst Ave - Curb Inlet removed Trash bag of trash, Fairfax Ave at Boulevard - Curb Inlet removed car parts and silt, 120 Charlotte Ave - Curb Inlet removed a trash bag of trash, 179 Piedmont Ave - Curb Inlet removed asphalt, silt and trash. 131 W. Westover Ave - Curb Inlet removed grass clipping and a cardboard box.	Completed		
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023098-071014	Patsy Dixon	City Wide	Collected 1/2 cubic yards of debris from: 2207 Wakefield Ave - Catch Basin removed grass clipping and trash. 1907 Wakefield Ave - Catch Basin removed trash and silt. 2408 Cedar Ln - Catch Basin removed trash. 1101 Covington Rd - Curb Inlet removed trash and grass clippings	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023099-071014	Patsy Dixon	318 Jefferson Ave.	Vacuumed and flushed Curb Inlet collected 1/4 cubic yards of debris removed silt, trash and sticks and used 167 gallons of water to flush	Completed		
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023100-071014	Patsy Dixon	513 Braxton Ave.	Vacuumed and flushed Curb Inlet collected 1/4 cubic yards of debris removed silt, trash and gravel and used 167 gallons of water to flush	Completed		
7/10/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023101-071014	Patsy Dixon	Maple Ln.	Vacuumed and flushed Storm sewer manhole at the dead end collected 2 cubic yards of debris removed silt, sticks, pine needles, trash and used 167 gallons of water to flush	Completed		
7/17/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Email	W023193-071714	Patsy Dixon	Boulevard	Checked all basins and manholes in area. Basin nearest to Essex Rd had a hub cap on shelf of basin box was not blocking out flow of 18" concrete pipe. Too much rain in as short period of time Has always been a problem at times	Completed		
7/24/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023257-072414	Patsy Dixon	Franklin @ Maple Aves	Checked and cleaned storm drains if necessary	Completed		
7/24/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023259-072414	Patsy Dixon	2207 Wakefield Ave.	Checked and cleaned storm drains if necessary	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/24/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023260-072414	Patsy Dixon	Boulevard	Checked and cleaned storm drains if necessary behind Big lots	Completed		
7/29/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023364-072914	Patsy Dixon	City Wide	Rain all day checked strom drains and cleaned if necessary on: Temple Ave, Conduit Rd, Ellerslie Ave and Boulevard.	Completed		
8/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023396-080114	Patsy Dixon	Floral @ E. Westover Aves	Cleaned catch basin removed Trash and silt	Completed		
8/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023397-080114	Patsy Dixon	Kensington @ E. Westover Aves	Cleaned catch basin removed basketball in basin	Completed		
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023401-080114	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from the following: 1042 Hope Ridge Ct - Curb Inlet removed trash, silt and grass, 1156 Cumberland Dr - Curb Inlet removed Car Parts, 119 Dunoon Ct - Curb Inlet removed Silt and asphalt, 3849 Perthshire Ln - Curb Inlet removed trash bag of grass clippings, 921 Williamsburg Rd - Curb Inlet removed Wood, silt and trash, Dunlop Farms Blvd at Ellerslie Ave - Curb Inlet removed car parts.	Completed		
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023402-080114	Patsy Dixon	City Wide	Removed 1/4 cubic yard of debris from the following locations: 131 Temple Lake Dr - Curb Inlet removed trash and wood, Southpark Blvd at South Ave - Curb Inlet removed cardboard and silt. E. Westover Ave at Conduit Rd - Curb Inlet removed sticks and trash.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023403-080114	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from: 1301 Wellington Rd - Curb Inlet removed trash bag and silt, 1208 River Oaks Dr - Curb Inlet removed grass, silt and trash, 105 Lexington Dr - Curb Inlet removed silt and gravel, 1200 Choptank Ct - Curb Inlet removed grass and sticks.	Completed		
8/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023404-080114	Patsy Dixon	City Wide	Collected 1 cubic yards of debris from: 1106 Clifton Dr - Curb Inlet removed Grass and silt, Brockwell Ln - Curb Inlet removed sticks, silt and gravel, Dead end White Sand Ct - Curb Inlet removed trash and silt, 118 Huntington Rd - Curb Inlet removed cardboard and silt, 106 Salisbury Rd - Curb Inlet removed wood, gravel and silt.	Completed		
8/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023405-080114	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 302 Lynchburg Ave - Curb Inlet removed Trash and Gravel, 243 Lee Ave - Curb Inlet removed Sticks, Trash and silt, 399 Danville Ave - Curb Inlet removed a trash bag, 234 Cameron Ave - Curb Inlet removed silt and metal bar, Jackson Ave at Boulevard - Curb Inlet removed Car parts.	Completed		
8/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023406-080114	Patsy Dixon	City Wide	Collected 1/2 cubic yards of debris from: 526 Roslyn Ave - Curb Inlet removed grass, gravel and silt, 629 Pinehurst Ave - Curb Inlet removed pine needles and silt, 203 Ingram Ave - Curb Inlet removed trash and silt.	Completed		
8/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023407-080114	Patsy Dixon	City Wide	Removed 1/4 cubic yards of debris from: 419 Bradsher Ave - Catch Basin removed grass clippings, trash and silt, Meridian at Dupuy Aves - Catch Basin removed trash.	Completed		
8/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023409-080114	Patsy Dixon	City Wide	Removed 1/4 cubic yards of debris from: 300 Fairmount Dr - Curb Inlet removed grass, silt and trash bag, 101 Seaton Dr - Curb Inlet removed car parts and silt, 115 Norwood Dr - Curb Inlet removed a cardboard box.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/12/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Phone	W023496-081214	Patsy Dixon	Boulevard	Rain and drizzle all day checked and cleaned basins.	Completed		
8/12/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Phone	W023497-081214	Patsy Dixon	Temple Ave.	Rain and drizzle all day checked and cleaned basins.	Completed		
8/12/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Phone	W023498-081214	Patsy Dixon	Conduit Rd.	Rain and drizzle all day checked and cleaned basins.	Completed		
8/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023570-081814	Patsy Dixon	City Wide	Removed 1/2 cubic yard of debris from: 500 Compton Rd - Catch Basin removed grass and silt. 608 Charles Ave - Curb Inlet removed trash, silt and grass. 610 Lakeview Ave - Curb Inlet removed Car Parts. 130 Sadler Ave - Curb Inlet removed trash and silt. 102 Laurens Ln - Curb Inlet removed card board and silt.	Completed		
8/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023572-081814	Patsy Dixon	City Wide	Removed 1/4 cubic yard of debris from: 124 Stratford Dr - Curb Inlet removed grass and silt. 1207 Briarcliff Dr- Curb Inlet removed a trash bag of trash. 201 Pinecliff Dr - Curb Inlet removed car parts and silt.	Completed		
8/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Phone	W023577-081814	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from: 1907 Wakefield Ave - Catch Basin removed gravel, silt and grass clippings. 114 Chesterfield Ave - Catch basin removed silt and gravel. 2207 Wakefield Ave - Catch Basin removed trash and silt. A Ave at Boulevard - Catch Basin removed Trash and silt. Fairfax Ave at Boulevard - Curb Inlet removed car parts, silt and gravel. Shuford Ave at Boulevard - Catch Basin removed Trash. Lafayette Ave at Boulevard - Curb Inlet removed Sticks.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/18/2014	Storm Drain Clogged	Phone	W023591-081814	Patsy Dixon	Mount Pleasant @ Oakwood Drs	Used flusher truck to clean and vacuum basin, Removed 1/2 cubic yard of grass clippings, mulch, leaves, sticks and trash. Used 500 gallons of water. This is an ongoing problem, fall, winter, spring and summer. Resident uses basin for compost collection. Chesapeake Bay Clean water act Stickers have been placed on basin before they keep taking them off.	Completed		
8/25/2014	Storm Drain Clogged	Phone	W023712-082514	Patsy Dixon	Canterbury Ln.	Used pitchfork to clean grate removed leaves, pine tags and sticks	Completed		
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023722-082614	Patsy Dixon	624 Pinehurst Ave.	Removed pine needles from Curb Inlet	Completed		
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023723-082614	Patsy Dixon	200 Archer Ave.	Removed a trash bag of trash and silt	Completed		
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023724-082614	Patsy Dixon	114 Chesterfield Ave.	Removed silt and gravel from a catch basin	Completed		
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023725-082614	Patsy Dixon	208 and 210 Biltmore Dr.	3 storm drains cut down tall grass, weeds, small trees and cut up a pile of dead sticks around storm drains	Completed		
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023727-082614	Patsy Dixon	Conduit Rd.	At Home Depot entrance removed sticks and trash from Catch Basin Used 125 gallons of water	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023728-082614	Patsy Dixon	3101 Greenwood Ave.	Removed grass and silt from Curb Inlet - Used 125 gallons of water	Completed		
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023729-082614	Patsy Dixon	1326 Covington Rd.	Removed grass, silt and trash from Curb Inlet - Used 125 gallons of water	Completed		
8/26/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023730-082614	Patsy Dixon	1116 Oakwood Dr.	Removed sticks, silt and gravel from Catch Basin - Used 125 gallons of water	Completed		
8/28/2014	Storm Drain Clogged	Internal-Employee	W023751-082814	Patsy Dixon	Chesterfield @ Marvin Aves.	cleaned 3 inlets removed trash, sticks and other debris	Completed		
8/29/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023758-082914	Patsy Dixon	Chesterfield @ Marvin Aves.	Cleaned storm drains	Completed		
8/29/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023759-082914	Patsy Dixon	Westover @ Hamilton Aves	Cleaned storm drains	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/29/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023760-082914	Patsy Dixon	Westover Ave.	Cleaned storm drains on both sides of street	Completed		
9/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023846-090314	Patsy Dixon	Lakeview Ave @ Lakeview Park Rd.	Cleaned storm drain removed grass clippings	Completed		
9/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023847-090314	Patsy Dixon	Boulevard	At railroad underpass removed a hub cab when storm drain	Completed		
9/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023848-090314	Patsy Dixon	Battery Pl @ Chesterfield Ave	Cleaned storm drain removed grass clippings	Completed		
9/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023849-090314	Patsy Dixon	Sadler @ Lundy Aves	Cleaned storm drain removed sticks	Completed		
9/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023850-090314	Patsy Dixon	A Ave @ Boulevard	Cleaned storm drain removed grass clippings and trash	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023922-090914	Patsy Dixon	Beechwood @ Dale Aves	Removed car parts from a Curb Inlet	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023923-090914	Patsy Dixon	221 Orange Ave.	Removed trash and silt from a Catch Basin	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023924-090914	Patsy Dixon	304 Eastman Ave.	Removed grass, silt and gravel from a catch basin	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023926-090914	Patsy Dixon	202 Orchard Ave.	Removed .13 cubic yards of Grass and Silt from a Catch Basin	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023927-090914	Patsy Dixon	155 Chesterfield Ave.	Removed .13 cubic yards of Grass and Trash from a Curb Inlet	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023928-090914	Patsy Dixon	125 Carroll Ave.	Removed .13 cubic yards of Trash from a Curb Inlet	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023929-090914	Patsy Dixon	200 Archer Ave.	Removed .13 cubic yards of Silt and Trash from a Curb Inlet	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023930-090914	Patsy Dixon	Ivey @ Lilliston Aves.	Removed .10 cubic yards of trash and silt from a Curb Inlet	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023931-090914	Patsy Dixon	402 Washington Ave.	Removed .10 cubic yards a trash bag and silt from a Curb Inlet	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023932-090914	Patsy Dixon	127 Washington Ave.	Removed .10 cubic yards of grass and silt from a Curb Inlet	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023933-090914	Patsy Dixon	501 Roslyn Ave.	Removed .10 cubic yards of trash and grass from a Curb Inlet	Completed		
9/9/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023934-090914	Patsy Dixon	100 Royal Oak Ave.	Removed .10 cubic yards of trash and gravel from a Curb Inlet	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023960-091114	Patsy Dixon	Boulevard	Checked and cleaned storm drains if necessary	Completed		
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023961-091114	Patsy Dixon	Dupuy Ave.	Checked and cleaned storm drains if necessary	Completed		
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023962-091114	Patsy Dixon	Conduit Rd.	Checked and cleaned storm drains if necessary	Completed		
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023966-091114	Patsy Dixon	121 Lakeside Dr.	"Rain" Checked and cleaned if necessary problem area	Completed		
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023967-091114	Patsy Dixon	89 Sherwood Dr.	"Rain" Checked and cleaned if necessary problem area	Completed		
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023968-091114	Patsy Dixon	Sherwood Dr @ Boulevard	"Rain" Checked and cleaned if necessary problem area 3 inlets	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023969-091114	Patsy Dixon	Marvin @ Chesterfield Aves	"Rain" Checked and cleaned if necessary problem area	Completed		
9/11/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023970-091114	Patsy Dixon	Maple Grove Ave.	"Rain" Checked and cleaned if necessary problem area	Completed		
9/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024175-093014	Patsy Dixon	City Wide	Rain day, checked and cleaned trouble drainage areas throughout the City	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024205-100114	Patsy Dixon	1141 Cumberland Dr.	Removed .10 cubic yards of grass and silt from a Curb Inlet	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024209-100114	Patsy Dixon	508 Windmere Dr.	Removed .10 cubic yards of silt and asphalt from a Catch Basin	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024212-100114	Patsy Dixon	212 Pinecliffe Dr.	Removed .10 cubic yards of silt and trash bag from a Curb Inlet	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024214-100114	Patsy Dixon	136 Pinecliffe Dr.	Removed .10 cubic yards of grass and silt from a Curb Inlet	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024217-100114	Patsy Dixon	1218 Briarcliff Dr	Removed .10 cubic yards of silt and Car Parts from a Curb Inlet	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024223-100114	Patsy Dixon	646 Battery Pl	Removed trash from a Curb Inlet	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024224-100114	Patsy Dixon	205 Plumtree Ave.	Cleaned 1/4 cubic yards of trash and grass clippings from a Curb Inlet	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024225-100114	Patsy Dixon	513 Braxton Ave.	Removed a bag of trash from a Curb Inlet	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024227-100114	Patsy Dixon	City Wide	Removed 1 cubic yards of debris from: 913 Lakewood Dr - Curb Inlet removed sticks, 700 Forest View Dr - Curb Inlet removed silt and gravel, 301 Fairmount Dr - Curb Inlet removed grass and silt, 300 Norwood Dr - Curb Inlet removed Pineneedles, 121 Lakeside Dr - Catch Basin removed pineneedles and silt, 917 Lakeview Ave - Catch Basin removed silt and trash, 203 Lakeview Ave - Catch Basin removed trash, silt and gravel.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024233-100114	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 1216 Burlington Dr - Curb Inlet removed silt, 207 Breezy Hill Dr - Curb Inlet removed grass and silt, 1208 Riveroaks Dr - Curb Inlet removed silt and trash, 1367 Whitehall Dr - Curb Inlet removed Car Parts, Gills Dr @ Ridgecrest Ln - Curb Inlet removed silt and grass, 4700 Ridgecrest Ln - Curb Inlet removed a trash bag and silt.	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024237-100114	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 1201 Clifton Dr - Curb Inlet removed silt and toyw, 1249 Dana Ln - Curb Inlet removed grass and silt, 1200 Choptank Ct - Curb Inlet removed silt and sticks, 115 Conjurers Dr - Curb Inlet removed grass and silt, Brockwell Ln - Curb Inlet removed silt and trash.	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024238-100114	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 318 Jefferson Ave - Curb Inlet removed trash and silt, 319 Jefferson Ave - Curb Inlet removed sticks and silt, 104 Royal Oak Ave - Curb Inlet removed trash and silt, Cameron @ Bristol Aves - Curb Inlet removed Trash, 317 Lafayette Ave - Curb Inlet removed silt and car parts, Hamilton Ave @ Boulevard Curb Inlet removed Trash bag, 204 Lafayette Ave - Curb Inlet removed trash and silt.	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024239-100114	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris: Pickwick Alley - Catch Basin removed silt and trash, 228 Washington Ave - Catch Basin removed silt and grass, 526 Roslyn Ave - Curb Inlet removed grass, silt and trash, Stuart Ave @ Conduit Rd - Curb Inlet removed Trash, 601 Pinehurst Ave - Curb Inlet removed pineneedles and silt.	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024240-100114	Patsy Dixon	City Wide	Removed 1 cubic yard of debris from: Branders Bridge Rd @ Kent Ave - Curb Inlet removed Trash, 214 Maple Ave - Catch Basin removed Trash and silt, 120 Charlotte Ave - Curb Inlet removed trash, grass and silt, 179 Piedmont Ave - Curb Inlet removed trash and silt, 123 Wright Ave - Curb Inlet removed a trash bag, 155 Wright Ave - Curb Inlet removed grass and silt, 219 Maple Ln - Curb Inlet removed asphalt and silt, 500 Braxton Ave - Curb Inlet removed trash, car parts and silt.	Completed		
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024243-100114	Patsy Dixon	116 Essex Rd.	Removed 1/4 cubic yard of debris from a Curb Inlet - Trash and pineneedles.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024244-100114	Patsy Dixon	Newcastle @ Keith Dr.	Removed a 1/4 cubic yards of debris from a Curb Inlet of trash and silt.	Completed		
10/10/2014	Storm Drain Clogged	Internal-Employee	W024368-101014	Patsy Dixon	622 Ryan Ave.	Removed chicken wire, chain link fence and asphalt from the mouth of basin. This is rental property and the resident was pleased.	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024623-103014	Patsy Dixon	Snead @ Temple Aves	Removed 1/4 cubic yards of debris from curb inlet beside of SPCA. Vacuumed and flushed pipe removed grass clippings blown into basin the day before.	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024624-103014	Patsy Dixon	327 Ridge Rd.	Collected 1 cubic yard of debris from Catch Basin removed gravel, silt and trash used 350 gallons of water.	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024625-103014	Patsy Dixon	335 Ridge Rd.	Collected 1 cubic yard of debris from Catch Basin removed grass, silt and trash used 350 gallons of water.	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024626-103014	Patsy Dixon	318 Prince Albert Ave.	Collected 1 cubic yard of debris from Curb Inlet removed silt and pine needles used 350 gallons of water.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024627-103014	Patsy Dixon	235 Battery Pl	Collected .5 cubic yard of debris from Curb Inlet removed pine needles and trash	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024629-103014	Patsy Dixon	208 Orchard Ave.	Removed a dead cat	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024630-103014	Patsy Dixon	114 Chesterfield Ave.	Collected .5 cubic yard of debris from Catch Basin removed silt and leaves	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024631-103014	Patsy Dixon	204 Archer Ave.	Collected .5 cubic yard of debris from Curb Inlet removed trash and Cardboard	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024634-103014	Patsy Dixon	A Ave @ Boulevard	Collected .05 cubic yard of debris from Curb Inlet removed Trash and a Cardboard box	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024635-103014	Patsy Dixon	F Ave @ Boulevard	Removed a Car Hub Cap from a Curb Inlet	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024636-103014	Patsy Dixon	215 George Ave.	Collected .05 cubic yard of debris from Curb Inlet removed Trash and grass Clippings	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024637-103014	Patsy Dixon	221 Orange Ave.	Collected .05 cubic yard of debris from Catch Basin removed Silt and Gravel	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024638-103014	Patsy Dixon	117 Orange Ave.	Collected .05 cubic yard of debris from Curb Inlet removed Silt and Trash	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024641-103014	Patsy Dixon	304 Maple Grove Ave.	Collected .05 cubic yard of debris from Curb Inlet removed Silt, Trash and Gravel	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024642-103014	Patsy Dixon	Charles @ Atlantic Aves	Collected .05 cubic yard of debris from Curb Inlet removed Leaves and Sticks	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024643-103014	Patsy Dixon	506 Compton Rd.	Collected .05 cubic yard of debris from Curb Inlet removed Leaves and sticks	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024644-103014	Patsy Dixon	815 Keswick Rd.	Collected .05 cubic yard of debris from Curb Inlet removed Leaves and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024645-103014	Patsy Dixon	3107 Greenwood Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Leaves	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024646-103014	Patsy Dixon	3101 Greenwood Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Leaves	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024647-103014	Patsy Dixon	1326 Covington Rd.	Collected .10 cubic yard of debris from Curb Inlet removed Grass and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024648-103014	Patsy Dixon	1310 Wellington Rd	Collected .10 cubic yard of debris from Curb Inlet removed Trash bag and silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024649-103014	Patsy Dixon	1301 Hermitage Rd.	Collected .10 cubic yard of debris from Curb Inlet removed Sticks and Silt	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024651-103014	Patsy Dixon	Pickwick Ave.	Collected .10 cubic yard of debris from Catch Basin in Alley removed Leaves	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024652-103014	Patsy Dixon	147 Windsor Ave.	Collected .10 cubic yard of debris from Catch Basin removed Leaves and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024653-103014	Patsy Dixon	646 Battery Pl	Collected .10 cubic yard of debris from Curb Inlet removed Pine Needles	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024654-103014	Patsy Dixon	205 Plumtree Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Leaves and Trash	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024655-103014	Patsy Dixon	116 Marvin Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Leaves and Trash	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024656-103014	Patsy Dixon	303 Bradsher Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Leaves and Silt	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024657-103014	Patsy Dixon	Boulevard @ Snead Ave.	Collected .10 cubic yard of debris from Catch Basin removed Plastic Bottles	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024661-103014	Patsy Dixon	111 Yew Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Pine needles and trash	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024662-103014	Patsy Dixon	102 George Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Trash, Grass and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024663-103014	Patsy Dixon	112 Moore Ave.	Collected .10 cubic yard of debris from Curb Inlet removed Trash and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024664-103014	Patsy Dixon	215 Hillcrest Ave.	Collected .10 cubic yard of debris from Catch Basin removed Silt, Gravel and Trash	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024665-103014	Patsy Dixon	3204 Dale Ave.	Collected .10 cubic yard of debris from Catch Basin removed Trash and Silt	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024666-103014	Patsy Dixon	Bermuda Ave.	At the dead end Collected .10 cubic yard of debris from Curb Inlet removed Trash, Silt and Gravel	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024667-103014	Patsy Dixon	Conduit Rd.	From E. Ellerslie to Pleasant Dale. From School Ave to E. Ellerslie Ave. Cleaned 5 Curb Inlet in this area Collecting 4 cubic yards of debris removed Trash, Grass and Pine needles. Used 2-weedeaters, Shovels, Blower and Street Sweeper	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024668-103014	Patsy Dixon	243 Lee Ave.	Collected .05 cubic yard of debris from Curb Inlet removed Grass, Trash and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024670-103014	Patsy Dixon	302 Lynchburg Ave.	Collected .05 cubic yards of debris from a Curb Inlet removed - Trash and Car Parts	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024671-103014	Patsy Dixon	399 Danville Ave.	Collected .05 cubic yards of debris from a Curb Inlet removed - Sticks and Leaves	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024672-103014	Patsy Dixon	204 Lafayette Ave.	Collected .05 cubic yards of debris from a Curb Inlet removed - Leaves and a trash bag	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024673-103014	Patsy Dixon	318 Jefferson Ave.	Collected .05 cubic yards of debris from a Curb Inlet removed - Leaves and Sticks	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024674-103014	Patsy Dixon	319 Bristol Ave.	Collected .05 cubic yards of debris from a Catch Basin removed - Grass and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024676-103014	Patsy Dixon	509 Roslyn Ave.	Collected .05 cubic yards of debris from a Curb Inlet removed - Silt and Trash	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024677-103014	Patsy Dixon	203 Ingram Ave.	Collected .05 cubic yards of debris from a Curb Inlet removed - Removed Pine Needles	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024678-103014	Patsy Dixon	600 Pinehurst Ave.	Collected .05 cubic yards of debris from a Curb Inlet removed - Leaves and Silt	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024679-103014	Patsy Dixon	131 Jennick Dr.	Collected .05 cubic yards of debris from a Curb Inlet removed - Trash	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024680-103014	Patsy Dixon	130 Temple Lake Dr.	Collected .05 cubic yards of debris from a Curb Inlet removed - Wood	Completed		
10/30/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024681-103014	Patsy Dixon	320 Temple Lake Dr.	Removed a dead goose from a Curb Inlet	Completed		
11/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024734-110314	Patsy Dixon	922 Forest View Dr.	Removed leaves and silt from a Curb Inlet	Completed		AJ
11/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024735-110314	Patsy Dixon	95 Sherwood Dr.	Removed grass, trash and silt from a Curb Inlet	Completed		AJ
11/3/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024736-110314	Patsy Dixon	114 Boykins Ave.	Removed silt and trash from a catch basin - collected 1/4 cubic yards of debris for the day.	Completed		AJ
11/7/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024785-110714	Patsy Dixon	City Wide	Brookhill @ Forest View Drs, 1023 Forest View Dr, Sherwood Dr @ 7-11, 2209 Wakefield Ave, Behind Big lots off Boulevard, 1905 Wakefield Ave, Fisher @ Wakefield Aves, Shuford @ Westover Aves Lafayette @ Westover Aves, Hamilton @ Westover Aves, Colonial @ Westover Aves.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
11/20/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024929-112014	Patsy Dixon	City Wide	Checked and cleaned storm drains if needed rain all day: Sherwood Dr, Chesterfield, Brookhill, A, B, Battery Pl, Bradsher, C, Cedarwood, Concord, D, Dick Ewell, Joe Johnson, Kent, Lakeside Dr, Lakeview, Lakeview Park Rd, Lakewood Dr, Marvin, N. Temple Rd, Oakwood Dr, Ridge Rd, Royal Oak, Driftwood, Dupuy, E, Elmwood Dr, F, Fischer, Floral, Franklin, Gould, Greenwood, Hamilton, Stuart, Wakefield, Washington.	Completed		
11/26/2014	Storm Drain Clogged	Phone	W024963-112614	Mike West	Tasewell & Vance	Cleaned leaves out	Completed		AJ
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024989-120214	Patsy Dixon	1213 Hermitage Rd.	Cleaned Curb Inlet removed .01 cubic yards of pine needles and silt.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024990-120214	Patsy Dixon	Canterbury Ln	Cleaned Curb Inlet removed .01 cubic yards of Leaves and sticks at 1314 Canterbury, Cleaned Curb Inlet removed .01 cubic yards of Leaves from 1313 Canterbury, Cleaned Curb Inlet removed .01 cubic yards of Leaves from 1102 Canterbury.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024991-120214	Patsy Dixon	4700 Ridgecrest Ln.	Cleaned Curb Inlet removed .01 cubic yards of Leaves and Sticks	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024992-120214	Patsy Dixon	City Wide	Removed 1/4 curb yards of the debris from: 106 Windmere Dr - Curb Inlet removed Pine needles, 157 Brandywine Rd - Curb Inlet removed Leaves and Trash,	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024994-120214	Patsy Dixon	City Wide	Removed 1/4 cubic yards of debris from: 200 Pinecliffe Dr - Curb Inlet removed Leaves and Silt, 1042 Hoperidge Ct - Curb Inlet removed Leaves and Sticks, School Ave at Condu Rd - 2 Curb Inlets removed Trash and Pine needles, 3607 Hawick Dr - Curb Inlet removed Leaves and Sticks, 3712 Perthshire Ln - Curb Inlet removed Leaves.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024997-120214	Patsy Dixon	920 Williamsburg Rd.	Removed 1/4 cubic yards of debris from a Curb Inlet of Leaves and Trash	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024998-120214	Patsy Dixon	Yorkshire Rd.	Removed Trash and Silt from a Curb Inlet at 923 Yorkshire Rd. Removed Car Parts from a Curb Inlet at 920 Yorkshire Rd.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025000-120214	Patsy Dixon	116 Marvin Ave.	Removed Leaves and Sticks from a Curb Inlet	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025001-120214	Patsy Dixon	112 Hanover Ave.	Removed Leaves and Trash from a Curb Inlet	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025002-120214	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 920 Forest View Dr - Curb Inlet removed Leaves, 417 Nottingham Dr - Curb Inlet removed Leaves and Sticks, 101 Tudor Rd - Curb Inlet removed Sticks and Silt, 115 Norwood Dr - Curb Inlet removed Leaves, 126 Swift Creek Ln - Catch Basin removed Leaves and Silt	Completed		AJ

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025003-120214	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 3126 Woodlawn Ave - Curb Inlet removed Car Parts, 418 Springdale Ave - Curb Inlet removed Trash and Silt, 402 Taswell Ave - Curb Inlet removed Leaves and Sticks, Pickett Ave @ Boulevard - Curb Inlet removed Trash and Car Parts, 124 Laurens Ln - Curb Inlet removed Trash and Silt.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025004-120214	Patsy Dixon	City Wide	Removed 1/4 cubic yards of debris from: 111 Lakeside Dr - Curb Inlet removed pine needles, 318 Lakeview Ave - Catch Basin removed Leaves and Trash, 200 Lakeview Ave - Curb Inlet removed Trash and Silt.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025006-120214	Patsy Dixon	City Wide	Removed 1/4 cubic yard of debris from: 2207 Wakefield Ave - Catch Basin removed Leaves, 1904 Wakefield Ave - Catch Basin removed Leaves, 1907 Wakefield Ave - Catch Basin removed Leaves and Trash, 1703 Franklin Ave - Curb Inlet removed a Trash Bag of Trash, 2100 Boulevard - Curb Inlet removed Trash and Silt.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025008-120214	Patsy Dixon	City Wide	Removed 1/4 cubic yard of debris from: 111 Yew Ave - Curb Inlet removed pine needles, 102 George Ave - Curb Inlet removed Trash and Silt, 215 Georg Ave - Curb Inlet removed Leaves and Silt, 209 Hargrave Ave - Curb Inlet removed Sticks, 214 Moore Ave - Curb Inlet removed Trash and Silt, 308 Eastman Ave - Catch Basin removed Trash and Silt.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025009-120214	Patsy Dixon	3401 Boulevard	Removed 1 cubic yards of silt and gravel from a Catch Basin	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025010-120214	Patsy Dixon	1100 Wellington Dr.	Removed 1/2 cubic yard of Pine needles, Leaves and Sticks from a Curb Inlet Used a total of 500 gallons of water for the day	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025013-120214	Patsy Dixon	City Wide	Heavy Rain 2" total, Removed 1/4 cubic yards of debris from: Southpark Blvd @ E. Roslyn Rd - Curb Inlet removed car parts and Leaves, Taswell at Vance Aves - Curb Inlet removed Leaves, 130 Temple Lake Dr - Curb Inlet removed Trash, Car Parts and a Bumper, Southpark Blvd at South Ave - Curb Inlet removed Cardboard, 131 Jennick Dr - Curb Inlet removed Trash and a dead goose.	Completed		
12/2/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025019-120214	Patsy Dixon	City Wide	Checked and cleaned if necessary because of rain the following: Sherwood Dr, W. Westover Ave, Roanoke Ave, Wright Ave, Plumtree Ave, Behind Big Lots off Boulevard, Meridian Ave, Conduit Rd.	Completed		
12/8/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025065-120814	Patsy Dixon	530 Southpark Blvd.	Closed right hand lane southbound. Removed 2 cubic yards of debris trash, silt, gravel and car parts from a curb Inlet. Flushed basin and cleaned a 12" pipe, 75' of pipe to manhole that was in grass and used 1,000 gallons of water.	Completed		
12/8/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025066-120814	Patsy Dixon	City Wide	Removed 1/4 cubic yards of debris from: 201 Heron Run Dr - Curb Inlet removed leaves, 124 Watercress Ct - Curb Inlet removed Sticks and Pineneedles, 249 Whitesand Ct - Curb Inlet removed Leaves, Trash and Silt, 149 Kingfisher Way - Catch Basin removed leaves and silt.	Completed		
12/8/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025069-120814	Patsy Dixon	City Wide	Removed 1/4 cubic yard of debris from: 919 Germar Ct - Curb Inlet removed Leaves and Silt, 926 Conjurers Dr - Curb Inlet removed Leaves and Silt, 101 Red Fox Rd - Curb Inlet removed Trash bag, Leaves and Silt.	Completed		
12/8/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025070-120814	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 604 Walnut Ave - Curb Inlet removed leaves and silt, 609 James Ave - Curb Inlet removed Leaves and Trash, 700 James Ave - Curb Inlet removed Leaves, 112 E. Highland Ct - Curb Inlet removed Leaves and a trap, 311 Prince Albert Ave - Curb Inlet removed Pineneedles and sticks, 318 Prince Albert Ave - Curb Inlet removed Leaves, 400 MacArthur Ave - Curb Inlet removed Leaves and Silt.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025167-121814	Patsy Dixon	City Wide	Checked and cleaned storm drains at: Sherwood Dr, Boulevard, Conduit Rd, Chesterfield, Archer, Ridge Rd, George, Wakefield.	Completed		
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025176-121814	Patsy Dixon	City Wide	Removed 1/4 cubic yards of debris from: 233 Huntington Rd - Curb Inlet removed leaves, 207 Stratford Dr - Curb Inlet removed leaves and silt, 1016 Avon Ct - Curb Inlet removed Leaves and Silt.	Completed		
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025177-121814	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 121 Lakeside Dr - Catch Basin removed leaves and silt, 927 Lakeview Ave - Catch Basin removed leaves and trash, 2100 Boulevard - Curb Inlet removed trash	Completed		
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025181-121814	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 403 Gould Ave - Curb Inlet removed trash and leaves, 208 Crescent Ave - Curb Inlet removed Leaves and Sticks, 116 Marvin Ave - Curb Inlet removed Leaves and Silt, 124 Carroll Ave - Curb Inlet removed Leaves, 114 Chesterfield Ave - Catch Basin removed Pine needles and Silt.	Completed		
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025182-121814	Patsy Dixon	Hamilton Ave.	Public Parking lot beside School Board City Maintaines, Used 2 weedeater, blower, shovels, rakes and pitch fork, Cut grass overhanging Curb, raked grass and leaves into a pile, used blower to blow leaves from parking lot and put into pile. Will use Leaf machine to pick up debris at a later date.	Completed		
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025183-121814	Patsy Dixon	City Wide	Collected 1/4 cubic yard of debris from: 302 Hamilton Ave - Curb Inlet removed leaves and trash, 235 Cameron Ave - Curb Inlet removed car parts, 318 Jefferson Ave - Curb Inlet removed Leaves, Trash.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025186-121814	Patsy Dixon	City Wide	Collected 1/4 cubic yard of debris from: 607 Pinehurst Ave - Curb Inlet removed Leaves and Silt, 629 Pinhurst Ave - Curb Inlet removed Pine needles, 408 Ivey Ave - Curb Inlet removed cardboard and silt, 203 Ingram Ave - Curb Inlet removed Leaves and gravel.	Completed		
12/29/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025214-122914	Patsy Dixon	City Wide	Rain in the afternoon checked and cleaned the following: Conduit Rd, Boulevard, Sherwood Dr, Chesterfield Ave.	Completed		
12/29/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025219-122914	Patsy Dixon	City Wide	Rain all day Checked and cleaned the following: Conduit Rd, Huntington Rd, Sherwood Dr, Williamsburg Rd, Prince Albert Ave.	Completed		
1/5/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025288-010515	Patsy Dixon	Sherwood Hills	Cleaned gutters and 4 Curb Inlet at Bridge, Removed 3 cubic yards of leaves	Completed		
1/5/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025289-010515	Patsy Dixon	City Wide	Removed 1/2 cubic yards of debris from: 112 Yew Ave - Curb Inlet removed leaves and silt, 308 Eastman Ave - Catch Basin removed Trash and silt, 3204 Dale Ave - Curb Inlet removed Leaves and Silt, 304 Maple Grove Ave - Curb Inlet removed Leaves and Silt	Completed		
1/5/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025291-010515	Patsy Dixon	Yacht Basin Dr.	Removed 1/4 cubic yards of debris from: 1115 - Curb Inlet removed Leaves, 1101 - Curb Inlet removed leaves, 1305 - Curb Inlet removed Leaves.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
1/5/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025292-010515	Patsy Dixon	1322 Oakwood Dr.	Curb Inlet removed Leaves and stricks	Completed		
1/5/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025293-010515	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 114 Chesterfield - Catch Basin removed leaves and silt, 156 Chesterfield - Curb Inlet removed leaves and sticks, 111 Hanover - Curb Inlet removed Car Parts, 125 Carroll - Curb Inlet removed a small roll of Carpet, 510 Braxton - Curb Inlet removed Leaves and trash	Completed		
1/5/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025294-010515	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 217 Dupuy - 2 Curb Inlets removed trash and pineneedles, 318 Washington - Curb Inlet removed Cardboard, 228 Washington - Catch Basin removed leaves and trash, 526 Roslyn - Curb Inlet removed trash and silt.	Completed		
1/5/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025295-010515	Patsy Dixon	City Wide	Collected 1/2 cubic yards of debris from: 1042 Hope Ridge Ct - Curb Inlet removed Leaves, 1016 Avon Ct - Curb Inlet removed a trash bag and silt, 157 Brandywine Rd - Curb Inlet removed cardboard and trash bag.	Completed		
1/13/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025345-011315	Patsy Dixon	City Wide	Rain all day checked and cleaned if necessary the following: Wakefield, Sherwood Dr at Boulevard, Chesterfield, Conduit Rd, Huntington Rd, Covington Rd, Dogwood Dr, Azalea Ln, Kent, Hamilton, E. Highland Ct, Homestead Dr.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025435-012615	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from: 115 Boykins Ave - Catch Basin removed Leaves and trash, 95 Sherwood Dr - Curb Inlet removed Pineneedles and trash, 920 Forest View Dr - Curb Inlet removed Leaves and silt. 101 Seaton Dr - Curb Inlet removed Leaves and silt.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025438-012615	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from: 2803 Woodlawn Ave - Curb Inlet removed Trash, 202 Davis Ave - Curb Inlet removed Leaves and Trash, 610 Lakeview Ave - Curb Inlet removed car parts and silt. F Ave @ Boulevard - Curb Inlet removed Trash and a 2x4, 1907 Wakefield Ave - Catch Basin removed Leaves and silt.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025439-012615	Patsy Dixon	City Wide	Collected 1/4 yards of debris from: 2600 Bent Oaks Dr - Curb Inlet removed Leaves and Trash, Charles @ Atlantic Aves - Curb Inlet removed Leaves, 605 Fairlie Rd - Curb Inlet removed Leaves and Silt.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025440-012615	Patsy Dixon	Canterbury Ln.	Collected 1/4 of debris from: 1313 Canterbury Ln - Curb Inlet removed Leaves and Stricks, 1314 Canterbury Ln - Curb Inlet removed Leaves.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025441-012615	Patsy Dixon	207 Breezy Hill Dr.	Removed a bag of trash	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025442-012615	Patsy Dixon	City Wide	Collected 1/4 cubic yard of debris from: 125 Roanoke Ave - Curb Inlet removed Leaves, Trash and Silt, 123 Wright Ave - Curb Inlet removed Trash and Silt, 209 Maple Ln - Curb Inlet removed Car Parts and Silt, 513 Braxton Ave - Curb Inlet removed Leaves, 116 Marvin Ave - Curb Inlet removed Trash and Silt	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025443-012615	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 236 Battery Pl - Curb Inlet removed Leaves and Silt, 417 Bradsher Ave - Curb Inlet removed Trash and Silt, 202 Orchard Ave - Catch Basin removed Leaves, 111 Hanover Ave - Curb Inlet removed Leaves and Sticks.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025444-012615	Patsy Dixon	City Wide	Collected 1/2 cubic yards of debris from: 113 Royal Oak Ave - Curb Inlet removed Leaves and Silt, Pickwick Ave Alley - Catch Basin removed Trash and Silt, Arlington Ave @ Boulevard - Curb Inlet removed Trash and Silt, Cameron Ave @ Bristol Ave Alley - Curb Inlet removed Leaves and Silt.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025445-012615	Patsy Dixon	City Wide	Removed 1/4 Cubic yards of debris from: 1012 Floral Ave - Catch Basin removed Leaves and Silt, Hardy Ave @ Conduit Rd - Curb Inlet removed Pineneedles and Silt, 1013 Kensington Ave - Curb Inlet removed Leaves.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025447-012615	Patsy Dixon	Battery Pl.	Collected 1/4 cubic yards of debris from: 652 Battery Pl - Curb Inlet removed Leaves and Silt, 646 Battery Pl - Curb Inlet removed Leaves.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025449-012615	Patsy Dixon	Sherwood Dr.	From Glenview Ave to Boulevard at 7-11: Removed 1/2 cubic yard of debris from 2 Catch basins removed pineneedles and silt, raked shoulder of road to removed pineneedles clogging the basin in this area. Used leaf machine to remove leaves and loder to remove silt.	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025450-012615	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from: 119 Huntington Rd - Curb Inlet removed Leaves and Silt, 109 Salisbury Rd - Curb Inlet removed Pineneedles, 101 Red Fox Rd - Curb Inlet removed Leaves and Sticks, 914 Germar Ct - Curb Inlet removed Leaves and Silt, 926 Conjurers Dr - Curb Inlet removed Sticks and Silt.	Completed		
1/30/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025501-013015	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: Pickwick Ave Alley - Catch Basin removed Leaves and silt, 399 Danville Ave - Curb Inlet removed Leaves and Trash, 302 Lynchburg Ave - Curb Inlet removed Trash and Silt.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
2/2/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025518-020215	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from: 116 Essex Rd - Curb Inlet removed leaves and trash, 208 Crestwood Dr - Catch Basin Removed Pineneedles and silt, 335 Ridge Rd - Catch Basin removed Leaves, silt and sticks, 327 Ridge Rd - Catch Basin removed Leaves and silt.	Completed		
2/2/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025522-020215	Patsy Dixon	Conduit Rd.	Collected 1/2 cubic yards of debris from 3 Catch Basins removed Leaves and Sticks Between Charles Ave to the Home Depot Entrance.	Completed		
2/3/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025553-020315	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 114 Chesterfield Ave - Catch Basin removed silt, gravel and pineneedles, 318 Jefferson Ave - Curb Inlet removed Leaves and silt, 113 Royal Ave - Curb Inlet removed Trash and silt, 243 Lee Ave - Curb Inlet removed Leaves and Gravel, 702 Kensington Ave - Curb Inlet removed Trash and silt.	Completed		
2/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025560-020415	Patsy Dixon	City Wide	Checked and cleaned the following: Conduit Rd, Boulevard, Chesterfield Ave, Wakefield Ave, Yatch Basin Dr.	Completed		
2/21/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025669-022115	Patsy Dixon	Boulevard	Moved snow piles that was blocking inlets with motor grader.	Completed		
2/21/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025670-022115	Patsy Dixon	Temple Ave.	Moved snow piles that was blocking inlets with motor grader.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
2/21/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025671-022115	Patsy Dixon	Ellerslie Ave.	Moved snow piles that was blocking inlets with motor grader.	Completed		
3/2/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Phone	W025734-030215	Patsy Dixon	318 Jefferson Ave.	Cleaned a curb inlet removed ice and trash	Completed		
3/2/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Phone	W025735-030215	Patsy Dixon	Shuford Ave @ Boulevard	Cleaned a catch basin removed ice and trash	Completed		
3/2/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025736-030215	Patsy Dixon	Conduit Rd @ E. Westover Ave.	Cleaned a curb inlet removed Snow and Sticks.	Completed		
3/9/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025765-030915	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 1907 Wakefield Ave - Catch Basin removed trash and silt, 217 Maple Ave - Curb Inlet removed a cardboard box, 312 Fairfax Ave - Curb Inlet removed Trash and silt, 125 Roanoke Ave - Curb Inlet removed asphalt, 123 Wright Ave - Curb Inlet removed trash.	Completed		
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025931-032315	Patsy Dixon	114 Chesterfield Ave.	Removed 1/2 cubic yard of Silt and Pineneedles from a Catch Basin	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025932-032315	Patsy Dixon	Boulevard @ Archer Ave.	Removed Car parts from a Curb Inlet	Completed		
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025933-032315	Patsy Dixon	School @ Conduit Rd	Removed a log from a Curb Inlet	Completed		
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025941-032315	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 130 Sadler - Curb Inlet removed Trash and Silt, 111 Lakeside - Catch Basin removed Pineneedles, 610 Lakeview - Curb Inlet removed Silt.	Completed		
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025943-032315	Patsy Dixon	2600 Bent Oaks Dr.	Removed from a Curb Inlet a Trash bag of trash	Completed		
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025944-032315	Patsy Dixon	2519 White Oak Ct.	Removed 1/4 cubic yard of debris for the day. Removed Leaves and Silt from a Curb Inlet.	Completed		
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025945-032315	Patsy Dixon	2530 Bent Oak Dr.	Removed trash and silt from a Curb Inlet	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025954-032315	Patsy Dixon	City Wide	Conduit Rd, Huntinton Rd, Jamestown Rd, Kent Ave, Dupuy Ave, Ivey Ave, Chesterfield Ave, Sherwood Dr, Washington Ave, Wakefield Ave, Cottage Grove Ave, Charlotte Ave, W. Westover Ave, Carroll Ave, Roslyn R.	Completed		
3/30/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026003-033015	Patsy Dixon	City Wide	Collected 1/4 cubic yard od debris from: 225 Bear Chase Ct - Curb Inlet removed trash and silt, 3261 Jersey Ct - Curb Inlet removed sticks and silt, 311 Brookedge Dr - Catch basin removed Leaves and silt	Completed		AJ
3/30/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026005-033015	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 1216 Burlington Dr - Curb Inlet removed Leaves and silt, 212 Breezy Hill Dr - Curb Inlet removed Sticks and silt, 1306 Riveroaks Dr - Curb Inlet removed Silt.	Completed		
3/30/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026006-033015	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 113 Royal Oak Ave - Curb Inlet removed Leaves and Silt, 509 Roslyn Ave - Curb Inlet removed a trash bag of trash, 624 Pinehurst Ave - Curb Inlet removed Silt and Pineneedles.	Completed		
3/30/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026008-033015	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 646 Battery Pl - Curb Inlet removed silt, 153 Windsor Ave - Curb Inlet removed sticks and silt, 205 Plumtree Ave - Curb Inlet removed trash and silt.	Completed		
3/31/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026015-033115	Patsy Dixon	City Wide	Rain check/cleaned the following strom drains: Huntington Rd, Haywick, Meridian, E Westover, W. Westover, Wakefield, Red Fox Rd, Dogwood Dr, Maple Ln, Yatch Basin Dr, Ivey, Conduit Rd, George, Helen	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
3/31/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026036-033115	Patsy Dixon	E. Roslyn Rd.	Cleaned catch basin grate box off Exit 53 near I-95 Roslyn Farms	Completed		
4/1/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026054-040115	Patsy Dixon	Lenoir @ Lakeview Aves	Removed 1/4 cubic yards of Leaves, Trash and Silt from a Curb Inlet used 200 gallons of water	Completed		
4/13/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026135-041315	Patsy Dixon	City Wide	Rain cleaned the following storm drains: 1023 Forest View Dr, 114 Chesterfield Ave, 118 Royal Oak Ave, Off Boulevard behide Big Lots, Behind Colonial Apartments, Franklin Ave at Maple Ave	Completed		
4/13/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026136-041315	Patsy Dixon	City Wide	Cleaned the following storm grates: 114 Chesterfield Ave, 110 Royal Oak Ave, 209 E. Westover Ave, 313 Brookedge Dr. 118 Lakeside Dr, 2 at Sherwood Dr and Boulevard, 1020 Forest View Dr, behind Colonial Apartments in Alley, Behind Big Lots, Franklin Ave.	Completed		
4/16/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026180-041615	Patsy Dixon	City Wide	Cleaned the following strom drains: Sherwood Dr @ Boulevard - Grate removed Leaves and Silt, Chesterfield @ Battery Pl - 2 grates removed Leaves, Sancho Alley @ Chesterfield - grate removed silt, White Bank Rd @ Moose Ln- Culvert Pipe removed sticks, 1312 Canerbury Ln - Grate removed Sticks.	Completed		AJ
4/23/2015	Storm Drain Clogged	Phone	W026243-042315	Patsy Dixon	311 Brookedge Dr.	Used pitch fork and rake to clean grate removed 2 wheel barrows of leaves.	Completed		AJ

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
4/28/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026293-042815	Patsy Dixon	City Wide	Rain - cleaned storm drains on Sherwood Dr, Springdale, Woodlawn, Chesterfield, Wakefield, Boulevard, Conduit, Temple	Completed		
5/1/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026390-050115	Patsy Dixon	114 Chesterfield Ave.	Removed silt, gravel and pine needles	Completed		AJ
5/1/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026393-050115	Patsy Dixon	Sherwood Dr @ Boulevard	Removed grass clippings and pine needles from 2 grate top basins.	Completed		AJ
5/1/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026394-050115	Patsy Dixon	Sancho Alley @ Chesterfield Ave.	3 Inlets - Removed grass clippings, sticks and trash	Completed		AJ
5/1/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026395-050115	Patsy Dixon	Dana Ln @ Clifton Dr	Basin - Removed kids toys and asphalt pieces.	Completed		AJ
5/14/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026482-051415	Patsy Dixon	City Wide	Rain all day checked and cleaned the following storm drains: Chesterfield Ave, Sherwood Dr, Glenview Ave, Conduit Rd, Boulevard, Wakefield Ave, Huntington Rd.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
5/18/2015	Storm Drain Repairs	Walk-In	W026554-051815	Alan Thornton	207 Plumtree Ave	Removed a 5 gallon bucket of sticks and trash from mouth of basin. This area need to have drainage upgrade in the future. Basins are old but not broken up	Completed		
5/28/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026664-052815	Patsy Dixon	City Wide	Rain checked and cleaned storm drains trouble spots: Sherwood Dr, Wakefield, Brookedge Dr, Bruce, Conduit Rd, Boulevard	Completed		
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026756-060415	Patsy Dixon	City Wide	Removed 1/2 cubic yard of debris from: 901 Ayshire Ln - 2 Curb Inlets removed grass and trash, 3831 Perthshire Ln - Curb Inlet removed a trash bag of leaves, 127 School - Curb Inlet removed pine needles and sticks, 921 Williamsburg Rd - Curb Inlet removed Trash and silt.	Completed		AJ
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026757-060415	Patsy Dixon	City Wide	Collected 1/4 Cubic Yards of debris from: 151 W. Westover - Curb Inlet removed trash, 301 Charlotte - Catch Basin removed trash and silt, 1207 Meridian - Catch Basin removed car parts and 2 hub caps, 316 Maple Ave - Curb Inlet removed trash and silt.	Completed		AJ
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026758-060415	Patsy Dixon	City Wide	Collected 1/4 Cubic Yards of debris from: 151 W. Westover - Curb Inlet removed trash, 301 Charlotte - Catch Basin removed trash and silt, 1207 Meridian - Catch Basin removed car parts and 2 hub caps, 316 Maple Ave - Curb Inlet removed trash and silt.	Completed		AJ
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026759-060415	Patsy Dixon	Sancho Alley @ Chesterfield Ave.	Cleaned 2 grates removed leaves	Completed		AJ

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026760-060415	Patsy Dixon	Boykins Ave @ Boulevard	Removed car parts from an inlet	Completed		AJ
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026761-060415	Patsy Dixon	Lakeview Pkwy @ Lakeview Ave.	Cleaned a grate removed grass	Completed		AJ
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026763-060415	Patsy Dixon	Sherwood Dr @ Boulevard	Removed pine needles	Completed		
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026764-060415	Patsy Dixon	Forest View Dr @ Brookhill Ave.	Removed magnolia leaves and sticks	Completed		
6/4/2015	Storm Drain Clogged	Web	W026777-060415		311 Brookedge Drive	Removed 1/2 cubic yards of Leaves, trash and silt from basin. Used shovels, pick and rakes	Completed		
6/4/2015	Storm Drain Clogged	Walk-In	W026784-060415	Cheryl Davis	205 Plumtree Ave	Used shovels, pitch fork and leaf rake to remove 1/2 cubic yard of leaves, sticks and trash from basin and ditch leading to basin.	Completed		
6/15/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026833-061515	Patsy Dixon	City Wide	Rain all day checked/cleaned storm drains on Conduit Rd, Sherwood Dr, Wakefield, Bruce, Forest View Dr, Huntington Rd, Battery Pl, Plumtree, Yew, Kent Dr, Concord, Washington, James, Ridge Rd.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/15/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026846-061515	Patsy Dixon	City Wide	Rain checked and cleaned storm drains 118 Lakeside Dr, 1905 and 2204 Franklin Ave, Hamilton at Westover, Fischer at Westover, Behind Big lots off Boulevard	Completed		
6/15/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026847-061515	Patsy Dixon	City Wide	Rain all day checked and clean storm drains Forest View Dr @ Brookhill Ct, Culvert at Ridge Rd, Cleaned debris out of gutter pan on Jamestown at Yorkshire	Completed		
6/16/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026865-061615	Patsy Dixon	City Wide	Collected 1/4 cubic yard of debris from: 705 Lundy Ave - Curb Inlet removed sticks and silt, 106 Laurens Ln - Curb Inlet removed Trash and silt, 101 Cloverhill Ave - Catch Basin removed Leaves and Trash, 409 Taswell Ave - Curb Inlet removed sticks, 300 Fairmount Dr - Curb Inlet removed a bag of trash, 126 Swift Creek Ln - Catch Basin removed Leaves and sticks	Completed		
6/16/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026866-061615	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 2207 Wakefield Ave - Catch Basin removed grass clippings, B Ave @ Boulevard - Curb Inlet removed car parts and silt, 113 Moore Ave - Curb Inlet removed grass and silt, 308 Eastman Ave - Catch Basin removed Trash and silt, 3204 Dale Ave - Curb Inlet removed sticks and silt.	Completed		
6/16/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026867-061615	Patsy Dixon	City Wide	Collected 1/2 cubic yard of debris from: 112 E. Highland Ct - Curb Inlet removed grass and sticks, 203 Lee Ave - Catch Basin removed Trash and silt, Pickwick Ave Alley - Catch Basin removed gravel and silt, 318 Jefferson Ave - Curb Inlet removed sticks	Completed		
6/29/2015	Storm Drain Clogged	Web	W027013-062915		209 E. Westover Ave.	Used shovel to remove silt and trash from basin collected a 5 gallon bucket of debris	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/29/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W027017-062915	Patsy Dixon	City Wide	Collected 3/4 cubic yards of debris from: 320 Temple Lake Dr - Curb Inlet removed a dead goose, 114 Chesterfield Ave - Catch Basin removed trash and silt, 235 Battery Pl - Curb Inlet removed Car parts and silt, 116 Marvin Ave - Curb Inlet removed Trash and silt.	Completed		
6/29/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W027019-062915	Patsy Dixon	E. Ellerslie Ave @ Boulevard	Beside of Bank of McKenny cleaned 2-Curb Inlets removed silt, grass and trash.	Completed		
6/29/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W027023-062915	Patsy Dixon	City Wide	Collected 1/4 cubic yard of debris from: 114 Chesterfield Ave - Catch Basin removed silt, 116 Marvin Ave - Curb Inlet removed grass and silt, 500 Braxton Ave - Curb Inlet removed trash and grass.	Completed		
6/29/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W027035-062915	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 102 George Ave - Curb Inlet removed grass and silt, 3601 East Ave - Curb Inlet removed trash and silt, 207 Moore Ave - Curb Inlet removed grass and trash.	Completed		
6/29/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W027036-062915	Patsy Dixon	City Wide	Collected 1/4 cubic yards of debris from: 1907 Wakefield Ave - Catch Basin removed silt, 2208 Boulevard - Catch Basin removed silt and trash, 2523 Pin Oak Ct - Curb Inlet removed small carpet, 720 Old Town Dr - Curb Inlet removed trash and silt	Completed		
6/29/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W027037-062915	Patsy Dixon	City Wide	Collected 1/2 cubic yards of debris from: 1322 Oakwood Dr - Curb Inlet removed silt and grass, 3101 Greenwood Ave - Curb Inlet removed a bag of trash, 1208 Covington Rd - Curb Inlet removed silt and trash, 1326 Covington Rd - Curb Inlet removed silt.	Completed		

1500 - Clean Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/29/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W027038-062915	Patsy Dixon	City Wide	Removed a 1/4 cubic yards of debris from: 1012 Floral Ave - Catch Basin removed silt and trash, 1225 W. Roslyn Rd - Curb Inlet removed silt and grass, 1013 Kensington Ave - Curb Inlet removed silt and sticks, 243 Lee Ave - Curb Inlet removed trash and silt, Pickwick Ave Alley - Catch Basin removed silt.	Completed		

1501 - Repair Catch Basin

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/2/2014	Storm Drain Repairs	Internal-Employee	W024993-120214	Patsy Dixon	3299 Boulevard	On 11/4/14 removed bricks and concrete, saw cut asphalt and removed to be able to set concrete forms. On 11/5/14 Used 2x4's and plywood for forms to repair cat basin walls, skill saw and drill to build forms. Cone off area for the night. Picked up grate top ring from Gale Welding for job. On 11/6/14 Mixed 1/2 cubic yard of concrete in mixer, poured, covered concrete and coned area off for the night. On 11/7/14 Stripped forms from inside of basin, cleaned up around area. Went to Gale Welding to have grate top made 23" squared Odd size. On 11/14/14 Picked up Grate and set in frame.	Completed		
4/23/2015	Sinkhole	Phone	W026247-042315	Patsy Dixon	508 Compton Rd.	On 5/4/15 Metal pipe bottom and sides are gone, pipe needs to be replaced, Called in MU and spoke to resident. On 7/7/15 Replacement of pipe used mini excavator to dig out pipe removing 24 tones of asphalt, dirt and old pipe. replaced 3-14' sections of 12" PVC pipe, used 6 tons #5 stone and 18 tons of Crush and run from Utilities division. On 7/8/15 Built forms to pour basin front walls and new floor in basin at 509 Compton. On 7/10/15 Used 12 bags 80lb each of ready mix concrete, poured front walls on 2 basin and new floor in basin at 509 Compton. On 7/13/15 Stripped forms	Completed		

1503 - Clean Drainage Ditch

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/2/2014	Drainage Ditch need cleaning	Internal-Employee	W023042-070214	Patsy Dixon	W. Westover Ave.	At the dead end used backhoe, dump truck, weedeater, shovels, rakes and hand blower to clean sticks, trash, logs, cut down tall weeds, grass and cleaned street. Removed 6 cubic yards of debris from ditch and street.	Completed		

1503 - Clean Drainage Ditch

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/10/2014	Drainage Ditch need cleaning	Phone	W023093-071014	Patsy Dixon	Maple Ln.	Used backhoe to clean ditch of trash, sticks and tall grass. Removed 4 cubic yards of debris	Completed		
7/25/2014	Repair Storm Sewer Pipe	Walk-In	W023326-072514	Stacey Peterson	3498 East Ave.	Checked all basins and manhole junction boxes in street, everything clear and clean 18" concrete pipe in area to drain water to outfall in ditch. Used street sweeper to clean roadway of silt and gravel washed inot low area of street. Collected 1 cubic yard of debris.	Completed		
7/25/2014	Drainage Ditch need cleaning	Phone	W023330-072514	Patsy Dixon	314 Piedmont Ave.	On 8/4/14 cut down 8 trees in roadway along ditch, removed 2 flatbed loads of brush and logs. On 8/5/14 Removed 4 flatbed loads brush and stumps in ditch. Started cutting brush, weeds, removing a large pile of dirt from roadway and spred dirt out with backhoe. On 8/6/14 Used motorgrader to smoth out and packed dirt. Used slopemower to cut back brush along ditch and woods side of road to have more room to work. Cut from Charlotte to W. Westover Aves. On 8/7/14 used mini excavator to clean ditch of silt and dirt removing 4 cubic yards spreaded it out in woods away from ditch. Used mini excavator to place 3 dump truck loads of rip rap stone in ditch. Removed the reminder of the dirt pile in roadway, spred it to widened the road. 8/8/14 Removed 4 cubic yards of silt and dirt with mini excavator placed 2 more dump truck loads of rip rap in ditch and used motorgrader to smooth out dirt on road and packed. On 8/21/14 placed 5 gallon bucket of grass seed in area.	Completed		
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023398-080114	Patsy Dixon	200 Davis Ave.	Cut drainage ditch with slopemower	Completed		AJ
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023399-080114	Patsy Dixon	114 Chesterfield Ave.	Cut grass in drainage ditch with slopemower	Completed		AJ
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023400-080114	Patsy Dixon	100 Chesterfield Ave.	Cut drainage ditch at the edge of woods in the 100 block with slopemower	Completed		AJ
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023410-080114	Patsy Dixon	Bruce Ave.	Cut grass from drainage ditch with slopemower	Completed		AJ
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023411-080114	Patsy Dixon	Swift Creek Ln.	Cut grass from drainage ditch with slopemower	Completed		

1503 - Clean Drainage Ditch

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/1/2014	Drainage Ditch need cleaning	Internal-Employee	W023412-080114	Patsy Dixon	Biltmore Dr.	Cut grass from drainage ditch with slopemower	Completed		
8/18/2014	Drainage Ditch need cleaning	Internal-Employee	W023569-081814	Patsy Dixon	W. Westover Ave.	Removed 1 flatbed load of brush, limbs and vines from at the dead end in drainage ditch	Completed		
8/18/2014	Drainage Ditch need cleaning	Internal-Employee	W023571-081814	Patsy Dixon	Maple Ln.	Removed a fallen pine tree from drainage ditch at the dead end.	Completed		
8/21/2014	Drainage Ditch need cleaning	Phone	W023675-082114	Patsy Dixon	1107 WEST ROSLYN RD	Ditch Cleaned. See W021288	Completed		AJ
8/26/2014	Drainage Ditch need cleaning	Internal-Employee	W023726-082614	Patsy Dixon	200 Davis Ave.	Used zero turn mower to cut grass	Completed		
9/3/2014	Drainage Ditch need cleaning	Internal-Employee	W023851-090314	Patsy Dixon	Plumtree Ave and Maple Ln	Cut and trimmed drainage ditch and easement between the streets above	Completed		
9/10/2014	Drainage Ditch need cleaning	Phone	W023943-091014	Patsy Dixon	319 Ridge Rd	Removed debris in front of pipe in paved ditch	Completed		
9/16/2014	Drainage Ditch need cleaning	Phone	W024062-091614	Patsy Dixon	1107 W. Roslyn Rd	On 9/19/14 spoke to Scott Thornton about this he will look at the problem and get back to us. Cleaned Ditch see W021288	Completed		AJ
12/2/2014	Drainage Ditch need cleaning	Internal-Employee	W025007-120214	Patsy Dixon	Charlotte @ Fairfax Aves.	Concrete bottom drainage ditch, removed 1 dump truck load 6 tons of silt, trash, gravel and grass. Turned over Loader damaged rear right tire went flat, Leete Tire repaired, Wheel Service tugged loader back up right. Small diesel fuel spill, cleaned up with utilities Division Flusher. placed a sock boom to keep fuel from flowing down ditch. Note rear right tire needs replacing slick no grip potential cause of rollover, bucket on loader was not up high in the air when it rolled over.	Completed		
12/17/2014	Street Repair (Miscellaneous)	Phone	W025153-121714	Patsy Dixon	307 Charlotte Ave	On 1/6/15 Dug ditch to drain water at the dead end	Completed		

1503 - Clean Drainage Ditch

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025179-121814	Patsy Dixon	Wakefield Ave.	Removed 25 bags of leaves from ditch next of park. resident stopped up and infomed they indicated that someone had dumped them there.	Completed		
12/30/2014	Drainage (Misc.)	Phone	W025242-123014	Patsy Dixon	555 Roslyn Ave.	Dug ditch from above address to stop sign so water will drain	Completed		
1/26/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025448-012615	Patsy Dixon	408 Springdale Ave.	Drains, Spring from Hill removed 3 cubic of dirt, silt, Leaves, sticks and trash. Use leaf machine to pick up leaves. Used loader to haul the other items.	Completed		
2/2/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025520-020215	Patsy Dixon	Charles Ave.	Cleaned ditch from Holly Ave to Conduit Rd.	Completed		
2/2/2015	Drainage Ditch need cleaning	Internal-Employee	W025521-020215	Patsy Dixon	Conduit Rd.	Cleaned drainage ditch from Charles Ave to Home Depot entrance	Completed		
3/23/2015	Drainage Ditch need cleaning	Internal-Employee	W025939-032315	Patsy Dixon	501 Lake Ave.	Placed 6 tons of #3 stone in yard run off ditch after cleaning ditch	Completed		
3/27/2015	Drainage Ditch need cleaning	Walk-In	W025991-032715	Patsy Dixon	Covington Rd.	Used flush truck to vaccum and flush basin and pipe. Removed 1/4 cubic yards of Leaves, Silt and gravel used 300 gallons of water	Completed		
3/30/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026004-033015	Patsy Dixon	Charles Dimmock Pkwy @ Roslyn Park Entrance	Used chainsaw and loader to remove a tree that was blocking the water flow	Completed		

1503 - Clean Drainage Ditch

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
5/1/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026391-050115	Patsy Dixon	319 Ridge Rd.	Removed stickes, leaves and logs from drainage ditch with backhoe	Completed		AJ
5/14/2015	Drainage Ditch need cleaning	Phone	W026493-051415	Patsy Dixon	Snead Ave @ Spring Dr.	removed 10 tons of grass, dirt, silt, gravel and trash. Placed 4 tons of rip rap in ditch, used existing rip rap to rebuild channel. Asphalt crew will place asphalt in bottom and side of ditch starting from corner of rip rap stone.	Completed		
5/22/2015	Drainage (Misc.)	Internal-Employee	W026626-052215	Patsy Dixon	1500 Concord Ave.	Used backhoe and flatbed to pick up brush/tree, spoke to Ms Bradley around lunchtime and informed her of our action taken and the bridge does not belong to the City	Completed		AJ
6/4/2015	Drainage Ditch need cleaning	Internal-Employee	W026769-060415	Patsy Dixon	Marvin Ave.	Cut ditch in middle of road with slope mower.	Completed		AJ
6/18/2015	Drainage Ditch need cleaning	Walk-In	W026898-061815	William Elliott	1107 W. Roslyn Rd	Found trash on ground from passing cars, also trash cans left out with tops flipped up causing part of the problem. Removed 1 trash bag of trash.	Completed		
6/29/2015	Drainage Ditch need cleaning	Walk-In	W027015-062915	William Elliott	707 Walnut Ave	Cleaned ditch out removed 2-flatbed loads of debris	Completed		
6/30/2015	Drainage (Misc.)	Phone	W027042-063015	Patsy Dixon	2203 Wakefield Ave.	On 6/30/15 spoke to resident about issue informed him that we will start cleaning tomorrow he will move car. On 7/2/15 started cleaning removed 1/2 ton of debris with loader and shovels. On 7/9/15 finished scraped silt, grass and gravel from edge of road removing 1 ton of debris used dump truck 258, loader and shovels	Completed		

1504 - Clean Drainage Pipe

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/1/2014	Drainage Ditch need cleaning	Internal-Employee	W024222-100114	Patsy Dixon	Maple Ln to Plumtree Ave.	Used backhoe to remove sticks and pineneedles from in front of pipes in ditch, used backhoe and motorgrader to knock down and smooth out roadway to be able to keep ditch clean better.	Completed		

1504 - Clean Drainage Pipe

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/1/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W024232-100114	Patsy Dixon	Conduit Rd.	Old Town Creek Culverts removed sticks, trash and 2 tires.	Completed		
1/27/2015	Drainage Ditch need cleaning	Phone	W025472-012715	Patsy Dixon	919 Jamestown Rd.	Cleaned out pipe with piece of PVC pipe	Completed		
6/4/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W026762-060415	Patsy Dixon	Conduit Rd @ Temple Ave.	Cut up 2 large trees in creek and placed on side in woods. Removed leaves and sticks with pitchfork	Completed		

1505 - Repair Storm Sewer

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/12/2014	Drainage (Misc.)	Internal-Employee	W023524-081214	Patsy Dixon	Southpark Blvd.	On 8/7/14 hauled 26 dump truck loads of construction materials from Utilities Division to the end of Southpark Blvd. Walker's property drainage problem. Spreaded and graded backs around headwall pipe with backhoe. On 8/8/14 hauled 10 dump truck loads of broken concrete to use as rip rap, covered area under rip rap with geo tex fabric and 5 dump truck loads of dirt. Shot grades on outfall pipe, DI 7 inlet and manhole cover. On 8/11/14 finished placing concrete chucks on slopes, finished hauling dirt in and rough graded drain swale. On 8/12/14 placed geotex fabric in overflow swale (ditch), covered with 2 loads of topsoil and fine graded jobsite with tractor and backhoe. Seeded distured areas. On 8/21/14 hauled 5 flat bed dump truck loads of concrete chucks and rip rap, placed fabric under stone and concrete around DI inlet and graded ditch. On 8/22/14 Finished rip rap stone around DI, placed 2 flat bed dump truck loads of surge rip rap in swale ditch and installed trash grate fabricated by Gale Welding on DI.	Completed		

1505 - Repair Storm Sewer

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/17/2015	Sinkhole	Phone	W026885-061715	Patsy Dixon	1205 Yacht Basin Dr.	On 6/17/15 Investigated area, placed cone on top of hole until it can be repaired. On 6/24/15 Call in a MU to mark utilities. On 7/1/15 removed 6 tons of asphalt and dirt, placed a screen wire over weep hole causing problem. and placed 4 tons of #5 stone and 2 tons of crush and run from Utilities.	Completed		

1506 - Repair Drop Inlet

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/18/2014	Storm Drain Clogged	Phone	W023197-071814	Patsy Dixon	118 Lakeside Dr.	On 7/25/14 met with Superintendent to discuss modifying inlet. On 7/28/14 Modified DI 1 inlet by adding a throat to allow more water into inlet when grate gets clogged. Formed new top, throat section and poured new concrete. On 7/29/14 stripped inlet forms and backfilled with topsoil	Completed		
3/23/2015	Drainage (Misc.)	Phone	W025927-032315	Patsy Dixon	315 N. Temple Ave.	On 5/20/15 Removed 36" x 16" x 6" section of inlet top, formed and repoured new concrete. On 5/21/15 Stripped forms. See attachment tab for before picture	Completed		
5/20/2015	Curb and Gutter Repair/Replacement	Web	W026598-052015		107 Princeton Rd	On 5/21/15 Placed cones on sinkhole next to inlet. On 5/22/15 took top off inlet to determine what is causing sinkhole. On 6/10/15 Removed and poured front wall 8' long, 1.5' wide, 10" deep and throat of inlet. On 6/11/15 stripped forms and backfilled with topsoil	Completed		

1507 - Clean Curb and Gutters

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/1/2014	Curb and Gutter Cleaning	Internal-Employee	W023030-070114	Patsy Dixon	Boulevard	Cut grass out of sidewalks, and gutters from James to Westover Aves.	Completed		
7/10/2014	Curb and Gutter Cleaning	Phone	W023091-071014	Mike West	Lafayette Ave	Inmates cut up grass in gutters, sweeper swept up loose grass and debris removed 8 cubic yards of debris. Gutters were sprayed last week	Completed		

1507 - Clean Curb and Gutters

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
8/6/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W023458-080614	Patsy Dixon	600 blk Lakewood Dr.	checked basins and looked threw 15" concrete pipe it is clear. Chopped grass and cleaned gutters near basin. Heavy rain in short period of time. These basins are the only ones in a 2 block radius	Completed		
8/6/2014	Curb and Gutter Cleaning	Phone	W023462-080614	Patsy Dixon	1006 Colonial Ave.	On 8/21/14 called NO answer. On 8/25/14 and 8/29/14 called again left message. On 9/10/14 cleaned gutters and swept street	Completed		
8/6/2014	Curb and Gutter Cleaning	Phone	W023463-080614	Patsy Dixon	900 East Ellerslie Ave.	Swept curbwith sweeper of sand and debris	Completed		
8/7/2014	Curb and Gutter Cleaning	Phone	W023473-080714	Patsy Dixon	Piedmont Ave.	On 8/27/14 sprayed gutters will clean later. On 9/10/14 swept street to remove grass	Completed		
8/25/2014	Curb and Gutter Cleaning	Phone	W023711-082514	Patsy Dixon	Atlantic @ Ellerslie Aves	On 8/27/14 Sprayed gutters will clean later. On 9/10/14 cleaned gutters and swept street.	Completed		
8/28/2014	Storm Drain Clogged	Phone	W023752-082814	Patsy Dixon	Ivey Ave @ Conduit Rd.	Used weedaters, shovels, hand held blower and street sweeper to remove 3 cubic yards of grass and silt from Curb and gutters. So storm drain can drain.	Completed		
9/15/2014	Vegetation Control (Public Property)	Phone	W024032-091514	Patsy Dixon	631 Hamilton Ave.	On 9/17/14 Sprayed area. On 10/23/14 Cleaned and Swept wtih Sweeper	Completed		
11/7/2014	Litter in street	Internal-Employee	W024789-110714	Patsy Dixon	City Wide	Removed large items out of gutters so sweeper can swept gutters on: Charles Dimmock Pkwy, Dupuy Ave, Southpark Blvd, E. Westover Ave.	Completed		
11/19/2014	Curb and Gutter Cleaning	Phone	W024905-111914	Patsy Dixon	3100 Holly Ave	Used motor grader, loader, flusher and shovels to clean ditch and C&G. Removed 3 cubic yards of Leaves, Grass and dirt. Used flusher to clean street of mud using 500 gallons of water.	Completed		
12/8/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025067-120814	Patsy Dixon	E. Ellerslie Ave.	From Frederick to Charles Ave and Conduit Rd south bound, used weedaters to cut grass hanging over curb, used shovels to chop grass out of expansion joints in gutters, Cleaned 4 curb Inlets in area removing leaves, trash, grass and silt. Picked up with sweeper removing 4 cubic yards of debris.	Completed		

1507 - Clean Curb and Gutters

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
12/18/2014	Curb and Gutter Cleaning	Phone	W025189-121814	Patsy Dixon	105 Lexington Dr	Sweep gutters and street	Completed		
1/5/2015	Curb and Gutter Cleaning	Internal-Employee	W025298-010515	Patsy Dixon	Temple Ave.	West bound from Hamilton to N. Temple cleaned guttera and sidewalk against concrete retaining wall	Completed		

1509 - Drainage Miscellaneous

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/10/2014	Drainage (Misc.)	Internal-Employee	W023102-071014	Patsy Dixon	Flintlock Dr @ Swift Creek Ln	Resident blowing leaves, sticks and grass into street and was going to blow it into the curb inlet. Not the first time this resident has done this. Called Superintendent he spoke to resident will have Scott Thornton in Engineering write this resident a letter explaining why this should not be done. Superintendent said do not clean basin out at this time.	Completed		
7/25/2014	Drainage (Misc.)	Phone	W023331-072514	Patsy Dixon	221 Honeycreek Ct.	Found no water standing anywhere in the gutter on the street. Water runs down past this resident's house to curb inlet. Resident lives in the middle between turn around at the end of the street and basin. Too much rain fell in a short period of time. This is a 48" concrete pipe in basin NOTHING is stopped up.	Completed		
8/4/2014	Drainage (Misc.)	Internal-Employee	W023436-080414	Patsy Dixon	309 Piedmont Ave.	Met with resident about erosion of ditch near driveway, Mike came out also to discuss a solution. Will go out next week and work on area.	Completed		
8/4/2014	Drainage (Misc.)	Internal-Employee	W023437-080414	Patsy Dixon	E. Roslyn Rd.	Met with Mike to show us what needs to be done on Bobby Walker's property where City project was done.	Completed		
8/20/2014	Drainage (Misc.)	Internal-Employee	W023640-082014	Patsy Dixon	Battery Pl @ Bruce Ave.	Slid concrete basin lid back on basin. A dump truck had ran over basin nothing was broken	Completed		
9/2/2014	Sinkhole	Phone	W023842-090214	Patsy Dixon	331 Shade Tree Dr	Placed barrels to protect hole - After hours Overtime	Completed		
10/30/2014	Drainage (Misc.)	Internal-Employee	W024632-103014	Patsy Dixon	Old Town Dr.	Removed 2 dump truck loads of brush and trees cleaning area to get to outfall to do report	Completed		

1509 - Drainage Miscellaneous

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
10/31/2014	Driveway Clearance	Phone	W024700-103114	Patsy Dixon	1021 Forest View Dr.	Saw cut driveway wedge in asphalt to help water to flow	Completed		
11/3/2014	Sinkhole	Internal-Employee	W024737-110314	Patsy Dixon	Watercress Ct.	At the dead end sinkhole behind basin contractor working in area cleaning BMPs out. Placed cone over small hole and marked area with white paint will call in MU to mark utilities for reparis.	Completed		
11/3/2014	Storm Drain Repairs	Internal-Employee	W024739-110314	Patsy Dixon	3299 Boulevard	On 10/30/14 dropped off grate top ring at Gayle Welding to be cut to 24" square. On 10/31/14 Checked on what will be needed to repair basin will start on Monday Nov 3, 2014.	Completed		
12/2/2014	Drainage (Misc.)	Internal-Employee	W025005-120214	Patsy Dixon	Fleet Branch Creek	Checked Creek were it spills into the Appomattox River per Scott Thornton, There is a grayish color NO Smell	Completed		
12/4/2014	Storm Drain Clogged	Phone	W025040-120414	Patsy Dixon	1106 W ROSLYN RD	On 12/4/14 spoke to Stan Patrick on site, lots of questions about what can be done by City, called Scott Thornton he is out sick. On 12/30/14 Roslyn Converters hired a contractor to do work on their property.	Completed		
12/18/2014	Sinkhole	Internal-Employee	W025180-121814	Patsy Dixon	Dunston Point Pkwy.	On 12/12/14 In front of Curb Inlet there is a sinkhole, placed a cone, marked area for MU and called in a MU ticket. On 12/17/14 Saw Cut Asphalt, C&G, removed 6 tons of asphalt and Concrete. Weep hole had no screen in front of it causing concrete to settle and break. Placed 6 tons of Crush and Run stone in hole and tamped.	Completed		
12/18/2014	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Phone	W025184-121814	Patsy Dixon	435 Ellerslie Ave.	Checked area Catch Basin is on Private Property ALL Seasons Pest Control name of Business	Completed		
12/29/2014	Storm Drain Clogged	Phone	W025206-122914	Patsy Dixon	204 Archer Ave.	Resident put a large pile of leaves in gutter and street, Curb inlet not stopped up water was flowing from gutter to inlet. leaf crew is in this area they should remove leaves.	Completed		
1/12/2015	Drainage (Misc.)	Phone	W025343-011215	Patsy Dixon	1819 Franklin Ave.	On 12/19/15 Mike had tried calling Ms Brook back twice no answer and she had left a voice mail on 12/18/14 with only her name and number no additional information. On 1/12/15 Tried calling Ms. Brooks no answer spoke to her husband James at 513-7915 he wanted to know if he could put dirt to build up and a fence in his backyard. Mike informed him as long as he put it to his property pins and did not cause water to run to anyone else that was fine. As for the fence he was referred to Building Inspections.	Completed		

1509 - Drainage Miscellaneous

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
1/20/2015	Street Flooding	Walk-In	W025383-012015	Patsy Dixon	500 Battery Pl	Used loader to remove railroad tie and smoothed out ruts caused by CFS truck	Completed		
1/26/2015	Drainage (Misc.)	Internal-Employee	W025437-012615	Patsy Dixon	1202 Meridian Ave.	Vehicle ruts in grass, tamped down ruts and sowed 1/2 5 gallon bucket of grass seed in area.	Completed		
1/26/2015	Drainage (Misc.)	Internal-Employee	W025446-012615	Patsy Dixon	201 James Ave.	Checked on cleaning Outfalls with City Hall for the following locations: Entrance to Roslyn Park and Conjurers Neck Pump Station Behind Station	Completed		
1/28/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025483-012815	Mike West	319 Bristol Avenue	Checked all basins in area, found nothing stopped up. The catch basin in front of the above address is behind sidewalk and C&G not tied into drain. Water comes from gutter in front of house. NO standing water Basin is very old	Completed		
3/16/2015	Sinkhole	Phone	W025833-031615	Patsy Dixon	189 Charlotte Ave.	On 3/16/15 Spoke to resident her dog had fell into grate top basin and hurt leg, cut a piece of metal 26" x 40" and place on top this basin does not see alot of water. On 3/17/15 Placed sign blank on top of grate top Catch and bolted Resident was please with work	Completed		
3/16/2015	Drainage (Misc.)	Phone	W025864-031615	Patsy Dixon	147 Chesterfield Ave.	Placed rat bait in drop Inlets at 147, 150 and 151 Chesterfield hung by mechanics wire. Also, placed bait in manhole at 150 Chesterfield.	Completed		
3/20/2015	Drainage (Misc.)	Phone	W025919-032015	Patsy Dixon	323 Jefferson Ave.	Investigated area while it was raining in the morning found stone has been packed down by trash truck and vehicles There is NO standing water. Water is draining to basin	Completed		
3/23/2015	Clean Catch Basin, BMPs, Inlets, Outfalls, Drainage Ditches etc.	Internal-Employee	W025934-032315	Patsy Dixon	City Wide	Checked basins on all main streets ok No snow or ice blocking water flow	Completed		
3/30/2015	Public Works Miscellaneous	Internal-Employee	W026001-033015	Patsy Dixon	501 Lake Ave.	Attended Stormwater Conference in Richmond All day event	Completed		
3/31/2015	Drainage (Misc.)	Internal-Employee	W026028-033115	Patsy Dixon	Meridian @ Charlotte Aves	Installed 2 confined space signs on headwall of drainage structures and measured opening, drew drawings and took to Gale Welding to get prices on grates for openings. On 6/24/15 installed grates received from Gale Welding	Completed		

1509 - Drainage Miscellaneous

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
4/16/2015	Drainage (Misc.)	Phone	W026185-041615	Patsy Dixon	302 WRIGHTS AVE	removed dirt from yard	Completed		
4/20/2015	Drainage Ditch need cleaning	Phone	W026218-042015	Patsy Dixon	141 Windsor Ave.	On 5/4/15 There is no Easement or drainage ditch behind this property City map shows this per Scott. On 5/6/15 Talked to resident and neighbor explained that is is not a City Issue there is nothing there.	Completed		
4/21/2015	Drainage (Misc.)	Web	W026237-042115		222 SUFFOLK AVENUE	Tried to grind down asphalt to improve drainage	Completed		
4/29/2015	Drainage (Misc.)	Phone	W026359-042915	Patsy Dixon	504 Cameron Ave	On 4/30/15 Investigated area no odor present spoke to resident, he said that there raccoons living in there. Also, he stated that the odor is early in morning started last week. Spoke to Wesley and Danny in Utilites they stated that the sewer lines were flushed around the time this started. This should resolve problem inform resident if he still have a problem to call back. On 5/6/15 met with resident called Wesley to farther investigate problem turn over to Utilities Division	Completed		
5/28/2015	Sinkhole	Phone	W026687-052815	Patsy Dixon	304 Maple Grove Ave.	On 6/5/15 Investigated hole under porch deck and steps with Superintendent need to have the Utilities division camera line. On 6/17/15 Tv'ed basin, pipe and manhole in yard NO problem found. Resident watched and asked everyone questions.	Completed		
6/4/2015	Public Works Miscellaneous	Internal-Employee	W026767-060415	Patsy Dixon	116 Southgate Sq.	Replaced 2 manhole covers behind K-Mart that was stolen	Completed		
6/6/2015	Drainage (Misc.)	Web	W026789-060615		307 Wright Avenue	Checked area found NO obstructions on City part of drainage. Area just holds water when it rains a lot. The obstruction is on private property.	Completed		
6/12/2015	Sinkhole	Phone	W026821-061215	Mike West	219 Bear Chase Ct.	None, sunken area is not on drainage easement. Problem is coming from neighbors pools house.	Completed		AJ
6/15/2015	Drainage (Misc.)	Internal-Employee	W026852-061515	Patsy Dixon	135 Chesterfield Ave.	On 6/9/15 Haul 7 loads of broken concrete from PW Complex to above address where ditch bank has washed out, started dumping to build back back up to keep from washing out. On 6/10/15 Finished stabilizing ditch Haul 2 more loads of broken concrete and 3 loads of rip rap.	Completed		

1509 - Drainage Miscellaneous

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/29/2015	Drainage (Misc.)	Internal-Employee	W027040-062915	Patsy Dixon	113 Lafayette Ave.	On 6/19/15 placed 2 cones and caution tape around manhole in grass will repair Monday after locating materials. On 6/22/15 purchased 5-80lb bags of ready mix concrete from home depot, found a manhole ring and lid on PW yard, mixed concrete put around ring, placed 3 bags of topsoil and grass seed around new manhole.	Completed		

1510 - Drainage Structure Inventory

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
3/23/2015	Drainage Structure Inventory	Internal-Employee	W025946-032315	Patsy Dixon	City Wide	201 James Ave, Behind 1209 Covington Rd, Archer Ave at MLK Bridge, Chesterfield at Marvin Aves, 100 Highland Ave, 500 Conduit Rd, 401 Taswell, 5501 Conduit Rd, 155 Watercress Ct, 550 Boulevard at the Courthouse.	Completed		
4/10/2015	Drainage Structure Inventory	Internal-Employee	W026114-041015	Patsy Dixon	City Wide	Yearly Outfall reports at: Boulevard at Swift Creek, East Ave, Dunlop Farms Blvd, Bluffs Dr - 2 Outfalls, Dead End of Windmere Dr.	Completed		
4/15/2015	Drainage Structure Inventory	Internal-Employee	W026164-041515	Patsy Dixon	City Wide	042, 080 and 081 Chesterfield Ave, 055 Orchard, 086 Hourda, 044 Ayrshire, 051 Perthshire, 003 Kennon Point, 034 and 035 Huntington, 031 Ellerslie, 011 Sherwood at Springdale, 013, 015. 017 and 038 Sherwood, 027 Boulevard, 060 Hemlock, 001, 010, 018, 019 and 021 Old Town.	Completed		AJ
6/4/2015	Drainage Structure Inventory	Internal-Employee	W026770-060415	Patsy Dixon	Concord Ave.	Recorded/report 3 outfalls	Completed		
6/4/2015	Drainage Structure Inventory	Internal-Employee	W026771-060415	Patsy Dixon	711 Sadler Ave.	Recorded/report 1 outfalls	Completed		
6/4/2015	Drainage Structure Inventory	Internal-Employee	W026772-060415	Patsy Dixon	3001 Wildwood Ave.	Recorded/report 1 outfall	Completed		
6/4/2015	Drainage Structure Inventory	Internal-Employee	W026773-060415	Patsy Dixon	3000 Driftwood Ave.	Recorded/report 1 outfall	Completed		
6/4/2015	Drainage Structure Inventory	Internal-Employee	W026774-060415	Patsy Dixon	Yacht Basin Dr.	Recorded/report 1 outfall	Completed		

1510 - Drainage Structure Inventory

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/4/2015	Drainage Structure Inventory	Internal-Employee	W026775-060415	Patsy Dixon	Nottingham Dr.	Recorded/report 1 outfall at dead end	Completed		
6/4/2015	Drainage Structure Inventory	Internal-Employee	W026776-060415	Patsy Dixon	407 Nottingham Dr.	Recorded/report 1 outfall	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027021-062915	Patsy Dixon	City Wide	Put boat in at White Bank Park to preform Yearly outfall report at the following locations: Waterfront Dr - 030, Clifton Dr - 006, Waterfront Dr - 037 and Breezy Hill Dr - 096. Outfalls on Swift Creek and Appomattox River.	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027024-062915	Patsy Dixon	City Wide	Yearly Outfall reports at: Ridge Rd - 041, Cambridge Pl - 045, Camelot Ct - 070, Seaton Dr - 071, Tudor Rd - 072, Yew Ave - 076.	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027025-062915	Patsy Dixon	City Wide	Yearly outfall reports at: Longhorn Dr - 028, Bear Chase Ct - 029, Fairmount Dr @ Winston Ave - 057, Shade Tree Dr - 059	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027028-062915	Patsy Dixon	City Wide	Yearly Outfall report at: Comstock Dr - 036, Taswell Ave - 067, Taswell Ave - 068, Choptank Ct - 092	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027031-062915	Patsy Dixon	City Wide	Yearly Outfall report at: Royal Oak Ave - 012, Cedar Ln - 026, Bradsher Ave - 039, Conduit Rd - 014, Temple Ave - 004, Newcastle Dr - 022, Charles Dimmock Pkwy - 062	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027032-062915	Patsy Dixon	City Wide	Yearly Outfall Report at: Duke of Gloucester St - 094, Duke of Gloucester St - 056, Taylor Ln - 032, Taylor Ln - 033, Temple Ave - 007, Snead Ave - 040, Snead Ave - 048, Brookedge Dr - 078, Brookedge Dr - 079, Hargrave Ave - 075, Covington Rd - 049, Temple Ave @ Conduit Rd - 016	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027033-062915	Patsy Dixon	City Wide	Yearly Outfall report at: *Water tested at outfalls* Meridian Ave - 043, Fairfax Ave - 063, Fairfax Ave - 064, Boulevard @ Old Town Creek - 024, Forest View Dr beside of Swim Club - 050, Natucket Ct - 002	Completed		
6/29/2015	Drainage Structure Inventory	Internal-Employee	W027034-062915	Patsy Dixon	Forest View Dr	Put boat in at Ashby Ave/Swift Creek to perform yearly outfall reports at: Forest View Dr - 020, Forest View Dr - 008, Forest View Dr - 005	Completed		

1600 - Sweeper Clean Street

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
7/1/2014	Street Sweeping	Internal-Employee	W023031-070114	Patsy Dixon	Boulevard	Swept up grass after inmates cleaned sidewalks and gutters from James to Westover Aves removed 4 cubic yards of debris.	Completed		
7/8/2014	Curb and Gutter Cleaning	Phone	W023081-070814	Patsy Dixon	Sherwood Dr.	Cleaned sidewalks and sweep bridge	Completed		
7/21/2014	Street Sweeping	Phone	W023217-072114	Patsy Dixon	Boulevard	Swept middle turning lane in construction zone removed 1 cubic yard of debris	Completed		
8/4/2014	Street Sweeping	Internal-Employee	W023429-080414	Patsy Dixon	Dupuy Ave.	Swept part of the street for City Contractor Shosmith	Completed		
9/2/2014	Vegetation Control (Public Property)	Internal-Employee	W023813-090214	Patsy Dixon	Boulevard	Swept street from Lakeview Ave to D Ave collected 4 cubic yards of debris	Completed		
9/2/2014	Street Sweeping	Web	W023821-090214		lee place	Swept Streets	Completed		
9/16/2014	Street Sweeping	Internal-Employee	W024061-091614	Patsy Dixon	Dunlop Farms Blvd.	Swept around traffic islands collected 5 cubic yards of debris.	Completed		
10/21/2014	Curb and Gutter Cleaning	Phone	W024476-102114	Patsy Dixon	102 Comstock Drive	Sweep Dunston Point Pkwy removed 8 cubic yards of debris.	Completed		
11/5/2014	Street Sweeping	Internal-Employee	W024761-110514	Patsy Dixon	Boulevard	Collected 16 cubic yards of debris	Completed		
11/5/2014	Street Sweeping	Internal-Employee	W024762-110514	Patsy Dixon	Ellerslie Ave.	Collected 8 cubic yards of debris	Completed		
11/5/2014	Street Sweeping	Internal-Employee	W024763-110514	Patsy Dixon	Temple Ave.	Collected 20 cubic yards of debris	Completed		
11/5/2014	Street Sweeping	Internal-Employee	W024764-110514	Patsy Dixon	Lynchburg Ave.	Collected 8 cubic yards of debris	Completed		
11/5/2014	Street Sweeping	Internal-Employee	W024765-110514	Patsy Dixon	Dunston Point Pkwy	Collected 8 cubic yards of debris	Completed		

1600 - Sweeper Clean Street

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
11/7/2014	Street Sweeping	Internal-Employee	W024790-110714	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Charles Dimmock Pkwy, Dupuy Ave, Southpark Blvd, E. Westover Ave.	Completed		
12/8/2014	Street Sweeping	Internal-Employee	W025068-120814	Patsy Dixon	Dupuy Ave.	Removed 3 cubic yards of debris, gravel, silt and dirt. Requested by City Contractor and PW Superintendent.	Completed		
2/6/2015	Street Sweeping	Internal-Employee	W025593-020615	Patsy Dixon	E. Westover Ave.	Removed 12 cubic yards of debris	Completed		
2/6/2015	Street Sweeping	Internal-Employee	W025594-020615	Patsy Dixon	Ellerslie Ave.	Removed 4 cubic yards of debris from East and West Bound center turning lane.	Completed		
2/6/2015	Street Sweeping	Internal-Employee	W025596-020615	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Charles Dimmock Pkwy, Lynchburg, Southpark Blvd, Southpark Cir.	Completed		
2/10/2015	Street Sweeping	Internal-Employee	W025607-021015	Patsy Dixon	Conduit Rd.	Collected 16 cubic yards of debris North of Ellerslie Ave to Conjurors Edinborough Southbound.	Completed		AJ
2/10/2015	Street Sweeping	Internal-Employee	W025608-021015	Patsy Dixon	Dunston Point Pkwy	Collected 4 cubic yards of debris from street.	Completed		AJ
3/31/2015	Street Sweeping	Phone	W026013-033115	Patsy Dixon	620 Lafayette Ave.	Swept street around church including Lynchburg.	Completed		
4/1/2015	Street Sweeping	Internal-Employee	W026058-040115	Patsy Dixon	City Wide	Collected 16 cubic yards of debris from: Ashby, Boykins, Lakewood Dr, MacArthur, Helen, Sherwood Dr, Walnut, James.	Completed		Brandon
4/9/2015	Street Sweeping	Internal-Employee	W026086-040915	Patsy Dixon	City Wide	Collected 16 cubic yards of debris from: Brian Ln, Brookhill, Brookhill Ct, Buckingham Dr, Lakewood Dr, Nottingham Dr.	Completed		Brandon O
4/9/2015	Street Sweeping	Internal-Employee	W026087-040915	Patsy Dixon	City Wide	Collected 16 cubic yards of debris from: Biltmore Dr, Norwood Dr, Robinwood Ct, Homestead Dr, Seaton Dr, Tudor Rd.	Completed		Brandon O
4/16/2015	Street Sweeping	Internal-Employee	W026179-041615	Patsy Dixon	City Wide	Collected 16 cubic yards of debris: Brookhill, Nottingham Dr, Flintlock Dr, Forest View Dr, Fairmont Dr, Swift Creek Ln.	Completed		Brandon O

1600 - Sweeper Clean Street

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
4/16/2015	Street Sweeping	Web	W026192-041615		danville	Swept Street	Completed		Brandon O
4/16/2015	Street Sweeping	Web	W026193-041615		danville	Swept Street	Completed		Brandon
4/17/2015	Street Sweeping	Internal-Employee	W026199-041715	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Caswell, Cloverhill, Davis, Lake, Lenoir, Pickett, W. Ellerslie, Glenview, Springdale, Woodlawn.	Completed		Brandon
4/21/2015	Street Sweeping	Internal-Employee	W026229-042115	Patsy Dixon	City Wide	Collected 8 cubic yards of debris from: 1/2 of Yorktown Dr and Kent Ave. all of Concord, Branders Bridge & Franklin. Sweeper back engine shut off again will continue after repairs are made.	Completed		Brandon
4/21/2015	Street Sweeping	Internal-Employee	W026232-042115	Patsy Dixon	City Wide	Collected 16 cubic yards of debris from: A Ave, B Ave, Brame, Brijadan Ln, C Ave, Cedar Creek Ln, D Ave, Lakeside Dr, Lakeview, Lakeview Park Rd, Cabell Dr, Lundy Ave, Laurens Ln, Sadler, E Ave, Ewing, F Ave, Taswell, Vance, Verbov, Wakefield.	Completed		Brandon
4/28/2015	Street Sweeping	Internal-Employee	W026279-042815	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Charlotte, Concord, 1/2 of Cottage Grove, 1/2 W. Westover, Maple, Piedmont, Poplar St, Fairfax	Completed		Brandon O
4/28/2015	Street Sweeping	Internal-Employee	W026280-042815	Patsy Dixon	City Wide	Collected 16 cubic yards of debris from: Drake, Roanoke, Wright, and finished W. Westover. Water leak to pick up head repaired after lunch.	Completed		Brandon O
4/28/2015	Street Sweeping	Internal-Employee	W026282-042815	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Battery Pl, Braxton, Cottage Grove, Maple Ln, Meridian, Plumtree, Windsor, Wright	Completed		Brandon O
4/30/2015	Street Sweeping	Internal-Employee	W026372-043015	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Battery Pl, Bradsher, Cambridge Pl, Carroll, Chesterfield, Crescent, Marvin, Orchard, Gould, Sancho Al, Hanover, Hillside Ln.	Completed		Brandon O
5/1/2015	Street Sweeping	Internal-Employee	W026404-050115	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Archer, Bristol, Jefferson, Jackson, Stuart, Washington.	Completed		Brandon O
5/12/2015	Street Sweeping	Internal-Employee	W026452-051215	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Danville, Lee, Meadow View Rd, Ryan, part of Hamilton, Ingram	Completed		Brandon O
5/12/2015	Street Sweeping	Internal-Employee	W026453-051215	Patsy Dixon	City Wide	Collected 40 cubic yards of debris from: Chestnut, Jefferson, Lilliston, Pinehurst, Riverview Rd, Roslyn, Royal Oak, Ivey, Jackson, Stuart, Virginia, Arlington, Washington, Wilson, Boulevard construction site both days 5/4 and 5/5/15.	Completed		Brandon O

1600 - Sweeper Clean Street

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
5/15/2015	Street Sweeping	Internal-Employee	W026495-051515	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Beech, Cameron, Colonial, Kensington, Floral, Hamilton, Ivey	Completed		Brandon O
5/18/2015	Street Sweeping	Internal-Employee	W026547-051815	Patsy Dixon	City Wide	Collected 16 cubic yards of debris from: Part of Hamilton Ave. Boulevard in the construction area.	Completed		Brandon
5/19/2015	Street Sweeping	Internal-Employee	W026559-051915	Patsy Dixon	City Wide	Collected 32 cubic yards of debris from: Joe Johnson, Lafayette, Norfolk, Richmond, North side of Fischer, Suffolk	Completed		Brandon O
5/22/2015	Street Sweeping	Internal-Employee	W026602-052215	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Arlington, Dick Ewell, Jett, Lee Pl, Oaks, Hill Pl, Shuford, Boulevard in construction area.	Completed		Brandon
5/28/2015	Street Sweeping	Internal-Employee	W026661-052815	Patsy Dixon	Boulevard	Collected 8 cubic yards of debris in front of the War Memorial for Memorial Day event	Completed		Brandon O
5/28/2015	Street Sweeping	Internal-Employee	W026662-052815	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Center, Lyons, Moorman, Park, Prince Albert, Elko, Hardy, James, Walnut.	Completed		
5/28/2015	Street Sweeping	Internal-Employee	W026663-052815	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Brookedge Dr, Center, Crestwood Dr, Keith Dr, Laurel Pkwy, N. Temple Rd, N. Valley Rd, Newcastle Dr, Pride, Ridge Rd, S. Valley Rd, Elko, Ellis Ln, Essex Rd, Hampton Dr, Hardy, Snead, Spring Dr, W. Roslyn Rd.	Completed		Brandon O
6/1/2015	Street Sweeping	Internal-Employee	W026717-060115	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Charles, Compton Rd, Bent Oaks Dr, Old Town Dr, Pin Oak Ct, Greenleaf Ln, White Oak Ct.	Completed		Brandon O
6/4/2015	Street Sweeping	Internal-Employee	W026746-060415	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Adams, Bermuda, Dale, Dover Ln, Keswick Rd, Maple Grove, Moore, Ornage, Ross, East, Eastman, Fairlie Rd, George, Hargrave, Hillcrest.	Completed		Brandon O
6/4/2015	Street Sweeping	Internal-Employee	W026747-060415	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Ash, Atlantic, Beechwood, Birch, Cedarwood, Charles, Driftwood, Elwood Dr, Frederick, Greenwood, Hemlock, Holly, Spruce, West, Wildwood, Woodside, Yacht Basin Dr, Yew, dead end of Marvin Ave.	Completed		Brandon O
6/11/2015	Street Sweeping	Internal-Employee	W026806-061115	Mike West	City Wide	Collected 24 yards of debris from: Angus, Bluffs Ct, Ter, Dr; Jersey, Pecan Tree, Dunlop Farms Blvd, Greenmeadow Ct & Dr, Honeycreek & Bear Chase Ct.	Completed		Brandon

1600 - Sweeper Clean Street

Create Date	Request Type	Source	Reference No	Created By	Request Address One	Action Taken	Request Status	Cubic Yards	Foreman
6/11/2015	Street Sweeping	Internal-Employee	W026807-061115	Mike West	City Wide	24 yards of debris collected from: Appomattox Ct & Dr, Covington, Mount Pleasant, Pleasant Dale, Duke of Gloucester, Elmwood, Yacht Basin.	Completed		Brandon
6/16/2015	Street Sweeping	Internal-Employee	W026861-061615	Patsy Dixon	City Wide	Collected 24 cubic yards of debris from: Brockwell Ln, Cedar Ridge Ct, Choptank Ct, Clifton, Dana Ln, Deerwood Dr, Lexington Dr, Mallard Dr, Old Brickhouse Ln, Peace Cliff Ct, Ridgecrest Ln, Gills Dr, part of Waterfront Dr, Whipporwill Ct. East side on Conjurers Dr.	Completed		
6/16/2015	Street Sweeping	Internal-Employee	W026862-061615	Patsy Dixon	Dunlop Farms Blvd.	Collected 4 cubic yards of debris swept all Islands.	Completed		
6/16/2015	Street Sweeping	Internal-Employee	W026863-061615	Patsy Dixon	Conduit Rd.	Collected 4 cubic yards of debris from Ellerslie Ave to Middle School	Completed		
6/16/2015	Street Sweeping	Internal-Employee	W026864-061615	Patsy Dixon	City Wide	Collected 48 cubic yards of debris on 6/11/15 24 cubic yards and on 6/12/15 24 cubic yards from: Breezy Hill Dr, Burlington Dr, Canterbury Ln, Cedarwood, Longhorn Dr, Riveroaks Dr, Hermitage Rd, Highland, E. Highland Ct, W. Highland Ct, Wellington Rd, Whitehall Dr, part of Gills Dr.	Completed		
6/28/2015	Curb and Gutter Cleaning	Web	W026973-062815		110 windmere dr	Swept Street	Completed		

Department of Public Works Facilities

- DPW Area
- Impervious
- SW Controls
- BMPs
- Hotspots

- Use
- Administration
 - Equipment Maintenance
 - Fleet Maintenance
 - Fueling Station
 - Parking
 - Stockpile
 - Storage
 - Discharges

