

GENERAL PERMIT FOR SMALL MUNICIPAL  
SEPARATE STORM SEWER SYSTEMS  
PERMIT NUMBER: VAR040053

Permit Year 4 Annual Report  
Reporting Period: July 1, 2016 - June 30, 2017



City of Winchester, Virginia  
Rouss City Hall  
Public Services Department  
15 North Cameron Street  
Winchester, VA 22601

October 1, 2017

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## Attachments

1. *Electronic Database/Spreadsheet of City-Owned and Privately-Owned Stormwater Management Facilities*
2. *City of Winchester Revised MS4 Outfall Mapping*
3. *Letter from DEQ Confirming City Yards Facility Coverage Under the Virginia General Permit for Discharge of Stormwater from Industrial Activities*
4. *SWPPP for Parks Maintenance Building in Jim Barnett Park*

## 1.0 Background Information

(1) Name and State permit number of the program submitting the annual report; (2) The annual report permit year; (3) Modifications to any operator's department's roles and responsibilities; (4) Number of new MS4 outfalls and associated acreage by HUC added during the permit year; (5) Signed certification in accordance with 9 VAC25-870-370.

### 1. Name and State permit number of the program submitting the annual report:

*City of Winchester, VA  
Permit # VAR040053*

### 2. The annual report permit year:

*This serves as the Annual Report for permit Year 4 of the 2013-2018 Virginia MS4 General Permit. This Report covers the reporting period from July 1, 2016 – June 30, 2017.*

### 3. Modifications to any operator's department's roles and responsibilities:

*There have been no modifications to the roles and responsibilities of the various City departments responsible for implementation of the program during this reporting period. The City's Engineering Division, led by the City Engineer, is responsible for implementing the commitments in the MS4 Program Plan. The City's Department of Fire and Rescue, led by the Fire and Rescue Chief, is responsible for implementation of BMP 3.7: Hazardous Spill Response. The City's Public Works Division, led by the Refuse and Recycling Coordinator, is responsible for the implementation of BMP 3.8: Household Hazardous Waste Collection and BMP 3.9: Household Waste Reduction. The City's Public Works Division, led by the Public Works Division Manager, is responsible for implementation of BMP 5.5: City-Owned Stormwater Management Facility Maintenance and BMP 6.8: Street Sweeping.*

### 4. Number of new MS4 outfalls and associated acreage by HUC added during the permit year:

*In accordance with the City's MS4 Program Plan Minimum Control Measure 3, an outside consultant was contracted to update the MS4 Outfall map and Information Table. The results of that update are as follows:*

*PU16: 27 total MS4 outfalls with a combined drainage area of 294.42 ac.*

*PU17: 296 total MS4 outfalls with a combined drainage area of 3,383.30 ac.*

*PU18: No outfalls, no change*

*The vast majority of the outfalls located were already in the City's database of monitored outfalls. Sixty-one of the outfalls studied during this survey were determined not to be regulated under the MS4 permit and were removed from the City's database.*

### 5. Signed certification in accordance with 9 VAC25-870-370

*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.



Perry Eisenach, P.E.  
Public Services Director

9/21/17

Date

For questions about the annual report submittal or Winchester's MS4 Program Plan, please contact:

Robert Brown, PE, Stormwater Engineer  
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## 2.0 Status of Permit Condition Compliance

The status of compliance with state permit conditions, an assessment of the appropriateness of the identified best management practices and progress towards achieving the identified measurable goals for each of the minimum control measures.

### 2.1. Assessment of BMP Appropriateness

The City of Winchester is confident that the BMPs we have chosen to implement under our 2013-2018 MS4 Program Plan are appropriate and meet the requirements of the MS4 General Permit. We will continue to monitor the status and appropriateness of each BMP as implementation continues.

### 2.2. Required MS4 Program Plan Updates

The MS4 General Permit identified a compliance schedule for the development and implementation of a number of new MS4 General Permit Requirements. There were no updates required this reporting period and the City is currently in compliance with the schedule included in Table 1 of the MS4 General Permit.

### 2.3. Measurable Goals Progress

#### I. Public Education and Outreach

**BMP 1.1. City Stormwater Webpage:** The City will maintain a web page dedicated to the City's stormwater management program. The MS4 Program Plan, MS4 Annual Reports and other information will be made available to the public through this website. Once a year in conjunction with development of the MS4 Annual Report, the City will insure the validity of all links to stormwater information included on the web page.

During this reporting period, the City continued to maintain a stormwater specific webpage found at: <http://www.winchesterva.gov/engineering/stormwater>. The City's webpage is the primary public education and outreach tool utilized for reaching the program's targeted audiences and

providing for distribution of educational materials to convey the appropriate messages. Through this webpage, the City provided year-long public access to the following:

- EPA video series “After the Storm”.
- Advertisement of the Stormwater Complaint Hotline and distribution (via direct download) of the Stormwater Complaint Hotline Flyer.
- Pollution prevention and water conservation tips.
- Distribution (via direct download) of flyers about picking up pet waste and the hazards of feeding wild waterfowl.
- Benefits of rain barrels and instructions on how to make them.
- Current and past regulatory documents pertaining to City’s stormwater program including the Program Plan, Annual Report, and TMDL Action Plans.
- Links to other stormwater webpages maintained by the EPA and Virginia DEQ.

There were approximately 329 unique page views on the City’s Stormwater Webpage during this reporting period. This represents a significant decrease from 425 views during the previous reporting period, but previous reports likely tallied total page views rather than unique page views. Regardless, the City will explore ways to further promote the stormwater webpage.

**BMP 1.2. Social Media:** The City will use its Facebook and Twitter accounts as necessary to distribute stormwater related information to its citizens in order to meet the annual requirement to reach 20% of its target audiences.

The City has 10,602 Facebook and 2,840 Twitter individual followers which facilitated distribution of stormwater related materials and messages during this reporting period.

**BMP 1.3. Public Events:** The City will participate in public events such as the Community Wellness Festival as necessary to distribute stormwater related information to its citizens in order to meet the annual requirement to reach 20% of its target audiences. Expected public events will be identified as part of the intended MS4 Public Education and Outreach Program for the next reporting year in the applicable MS4 Annual Report.

The City participated in the Valley Health Community Wellness Festival on February 25th, 2017. During this event, City Public Services staff made contact with approximately 100 children/adults and handed out “goody bags” each of which included 5 stormwater related pieces of information. Therefore approximately 500 stormwater-related informational materials were distributed to the general public including City residents at this event.

The City Engineer held a rain barrel workshop on June 3rd, 2017 in conjunction with the Parks and Recreation department. Registrants were shown how to construct the rain barrels and were given all the necessary supplies to make their own. The barrels were donated by a local manufacturer. There were 4 participants in this workshop.

The City held its second annual Spring Greening and Green Neighborhood Expo on June 10, 2017. Spring Greening is a way to involve citizen volunteers in trash pickup along the City’s streets and streams. Notices were sent to various church and civic groups near the downtown area, inviting them to participate. Businesses that border city streams were also invited to participate by having employees pick up trash along their portion of the stream. In addition, volunteers were solicited through various media to meet at a city park and then be directed to stretches of Town Run and Abrams Creek that run through city-owned property. The Green

*Neighborhood Expo followed the Spring Greening in the afternoon and was held in the same park. It offered an opportunity for local environmental groups and vendors to set up booths and distribute information to the public. The City's engineering department gave a rain barrel making demonstration and a watershed demonstration aimed toward elementary school aged children. The city arborist also gave a tree planting demonstration. Approximately 100 adults and children attended the afternoon event. Ten volunteers picked up trash from the streams in the morning and collected a pickup truck load of waste from Town Run and Abrams Creek.*

*The City participated in a Health Fair at Kernstown United Methodist Church on June 24, 2017 and made contact with approximately 50 people.*

*Moving forward, the City will continue its participation in the Community Wellness Festival and will explore ways to increase involvement in the annual Spring Greening/Green Neighborhood Expo. The City is planning on moving the event to the Fall in 2018, but the Spring Greening event will still be held in the Spring so that there is a stream cleanup event during the reporting period. In addition the City will explore the possibility of creating new public events which target specific audiences such as contractors, dog owners, or residential car washers.*

**BMP 1.4 Publications (Print and Electronic):** The City will use publications such as its Cit-E newsletter as necessary to distribute stormwater related information to its citizens in order to meet the annual requirement to reach 20% of its target audiences. Expected use of publications will be identified as part of the intended MS4 Public Education and Outreach Program for the next reporting year in the applicable MS4 Annual Report.

*The City's webpage is the primary public education and outreach tool utilized for reaching the program's targeted audiences and providing for distribution of educational materials to convey the appropriate messages. Publications currently available for download from the City's Stormwater webpage during this reporting period included:*

- *Stormwater Complaint Hotline Flyer*
- *EPA's "After the Storm" Video Series*
- *"Pick it Up, It's Your Doodie" Pet Waste Brochure*
- *"Please Do Not Feed the Waterfowl" Wildlife Waste Brochure*
- *"How to Make Your Own Rain Barrel" Presentation*
- *2014 - 2018 Municipal Separate Storm Sewer System (MS4) Program Plan*
- *MS4 Permit Years 1-3 Annual Reports*
- *After the Storm Brochure - English*
- *After the Storm Brochure - Spanish*
- *SepticSmart:Septic Tank Maintenance – English*
- *SepticSmart:Septic Tank Maintenance - Spanish*
- *Make Your Home the Solution to Stormwater Pollution Brochure*
- *Kids Stormwater Stickers*

*In addition, the City uses its email newsletter, The Cit-E News, to announce and promote various activities throughout the year that have an impact on stormwater. Educational articles dealing with stormwater are also published in the newsletter. The Cit-E News currently has a total of 1,194 subscribers, however many of the City's Facebook and Twitter posts direct readers to articles in the Cit-E News, so readership is much larger than just the subscriber list.*

*Occasionally, the City is able to promote stormwater events or concerns through local mass media such as the Winchester Star newspaper (circulation 19,127) or WDVM-TV.*

**BMP 1.5. Watershed and Stormwater Educational Opportunities Program:** The City will continue to implement its Watershed and Stormwater Opportunities Education Program directed at students in Winchester City Public Schools. The City will concentrate on delivery of this program to sixth grade students in a manner necessary to insure that high priority water quality issues are addressed to the target audiences.

*The City continued the Watershed and Stormwater Educational Opportunities Program as part of the City's formal program of stormwater education at schools within the City. The City's engineering staff conducted the following school presentations regarding engineering and high priority water quality issues during the current reporting period:*

- *September 9, 2016 – Winchester STARBASE Academy 5th graders – 40 students*
- *September 27, 2016 – Quarles Elementary School 3rd graders – 60 students*
- *September 30, 2016 – Winchester STARBASE Academy 5th graders – 40 students*
- *January 10, 2017 – Winchester STARBASE Academy 5th graders – 40 students*
- *February 24, 2017 – Sherando High School Spec. ed. – 20 students*
- *March 27, 2017 – Winchester STARBASE Academy 5th graders – 40 students*
- *May 24, 2017 – Orchard View Elementary School 4th graders – 65 students*

**BMP 1.6. Other Message Delivery:** The City will utilize other types of message delivery as necessary such as "Clean Up After Your Dog" signage at the City's Dog Park to reach the target audiences identified in its Public Education and Outreach matrix. These types of message delivery will be identified as part of the intended MS4 Public Education and Outreach Program for the next reporting year in the applicable MS4 Annual Report.

*The City continued to promote picking up pet wastes through the use of "Clean Up After Your Dog" signs placed at the Dog Park located in Jim Barnett Park. There are currently 200 dog owners who are registered to use the Dog Park.*

*The City's Public Works Division continued to promote its Adopt-A-Tree, Watch It Grow program on its web page and through distribution of its pamphlet. There were 18 Adopt-A-Tree plantings during this reporting period.*

**BMP 1.7. Educational Materials:** The City will retain copies (electronic or hard copy) of educational materials utilized in delivery of its messages regarding high priority water quality issues to target audiences. As part of the stormwater education and outreach program review required prior to reapplication for coverage under the MS4 General Permit in FY2017/18, the City will review the appropriateness of the message contained in these educational materials.

*The City continues to maintain current copies of all the educational materials utilized under its Public Education and Outreach program to include the publications listed under BMP 1.4 above.*

**Additional Reporting Requirements:**

*Provide a list of the education and outreach activities conducted during this reporting period for each high-priority water quality issue, the estimated number of people reached, and an estimated percentage of the target*

audience or audiences that were reached.

**Table 1. Education and Outreach Activities conducted during this reporting period**

High Priority WQ Issue	Activity Description	Estimated # of People Reached	Estimated % of Target Audience(s) Reached
HPWQI #1: Reduce the amount of sediments and nutrients in area stormwater discharges  <i>Target Audience: 8,341 citizens</i>	Watershed and Stormwater Educational Opportunities Program at local schools	305	11%*
	Community Wellness Festival 2015	100	1%
	Rain Barrel Workshop	4	<1%
	Spring Greening/Green Neighborhood Expo	105	1%
	Social Media Campaign on Facebook and Twitter	13,442	16%**
HPWQI #2: Reduce bacteria levels in City of Winchester streams  <i>Target Audience: 3,200 citizens</i>	Watershed and Stormwater Educational Opportunities Program at local schools	305	29%*
	Community Wellness Festival 2015	100	3%
	Spring Greening/Green Neighborhood Expo	105	3%
	Social Media Campaign on Facebook and Twitter	13,442	42%**
HPWQI #3: Reduce the number of Illicit Discharges  <i>Target Audience: 8,175 citizens</i>	Watershed and Stormwater Educational Opportunities Program at local schools	305	11%
	Community Wellness Festival 2015	100	1%
	Spring Greening/Green Neighborhood Expo	105	1%
	Social Media Campaign on Facebook and Twitter	13,442	16%**

\* These estimates assume that each student shared the ideas and information they received during the training with two other family members or friends who are part of the targeted audiences.

\*\* These estimates conservatively assume that 10% of the City's individual followers on Facebook and Twitter are part of the targeted audiences and were reached by the City's Social Media Campaign.

*Provide a list of the education and outreach activities that will be conducted during the next reporting period for each high-priority water quality issue, the estimated number of people that will be reached, and an estimated percentage of the target audience or audiences that will be reached.*

*The City plans to continue with the following education and outreach activities during the next reporting cycle and expects to reach the same or even more members of the targeted audiences as were reached during this reporting period (which was well over the targeted 20%):*

- *Watershed and Stormwater Educational Opportunities Program at local schools (To be scheduled)*
- *Community Wellness Festival 2018 (February 2018)*
- *Spring Greening (Spring 2018)*
- *Rain Barrel Workshop (Spring 2018)*
- *Social Media Campaign on Facebook and Twitter (Continuously throughout the year)*

## **II. Public Involvement and Participation**

**BMP 2.1. Public Announcements:** The City will provide public notification of all public meetings and hearings in accordance with any applicable federal, state, and local public notice requirements.

*The City has continued to comply with the applicable public notice requirements under the MS4 General Permit. Public meetings are advertised on the City's web page <http://www.winchesterva.gov/government/public-meeting-and-business-procedures> and in the Winchester Star Newspaper, as required by Virginia Open Meetings Law.*

**BMP 2.2. Public MS4 Program Information Access:** The City will provide public access to the MS4 Program Plan and MS4 Annual Reports by placing copies of the updated MS4 Program Plan and MS4 Annual Report on the City's Stormwater Webpage (BMP 1.1). Copies of each year's annual report will be retained on-line for the length of the current General Permit.

*The City of Winchester's current MS4 Program Plan and previous Annual Reports are available for download at: <http://www.winchesterva.gov/engineering/stormwater>. This MS4 Annual Report and any revisions to the City's MS4 Program Plan will be placed on-line within 30 days of submission to DEQ.*

**BMP 2.3. Stormwater Complaint Hotlines:** The City will maintain its current stormwater complaint hotlines to encourage public reporting and involvement. The City promotes 540-662-4131 for reporting urgent issues such as illegal dumping and spills. The City promotes 540-542-1346 for reporting of less urgent issues such as maintenance issues and erosion and sediment control complaints.

*During this reporting period, the City continued to advertise the Stormwater Complaint Hotlines on its stormwater webpage, processed calls placed to the Stormwater Complaint Hotlines, and facilitated distribution (via direct download) of the Stormwater Complaint Hotline Flyer.*

**BMP 2.4. Promotion of the Local Environmental Events:** The City will annually promote a total of four events encouraging public participation and involvement including Household Hazardous Collection Days and Adopt-A-Stream. The City will promote these activities through use of its public education and outreach BMPs such as 1.1 City Stormwater Webpage, 1.4 Publications and 1.6 Other Message Delivery.

*The local environmental events that the City promoted during this reporting period were:*

- *Household Hazardous Waste Collection Days (see schedule under BMP 2.5)*
- *October – December – Leaf Collection – via Facebook, Cit-E News*

- February 23 – Publicize Valley Health Wellness Festival event – via Cit-E News
- March 16 – Pet Waste informational article focusing on the need to pick up after pets – via Cit-E News
- March 17 – Pet Waste informational article – via Winchester Star
- April 27 – Article promoting Arbor Day tree plantings – via Cit-E News
- May – Rain Barrel Workshop – via Activit-E News (Parks and Recreations’ newsletter)
- May 18 – Spring Greening/Green Neighborhood Expo – via Cit-E News
- June 4 – Spring Greening/Green Neighborhood Expo – via Cit-E News
- June 9 – Spring Greening/Green Neighborhood Expo – via WDMV-TV televised interview
- June 12 – Spring Greening/Green Neighborhood Expo recap – via Winchester Star newspaper

**BMP 2.5. Promotion of the Household Hazardous Waste Collection Days:** The City will continue to promote the joint Frederick County /Winchester Household Hazardous Waste Collection Days program. The City will promote the Household Hazardous Waste Collection Days as one of its four local participation programs and will contribute to its implementation by providing pick-up and disposal of trash and debris collected by the participants.

*The City continued to promote the Household Hazardous Waste Collection Days as one of its four local participation programs. These events were held on the first and third Wednesdays of each month from noon to 6 p.m. during the months of April through October. During the months of November, December, January, February and March, one event was held each month on the third Wednesday of the month.*

**BMP 2.6. Sponsorship of Adopt-A-Stream Program:** The City will continue to promote Adopt-A-Stream program by sponsoring an annual stream clean-up day. In addition, the City will sponsor an Adopt-A-Stream Stream Clean-Up Day as one of its four local participation programs and will contribute to its implementation by providing pick-up and disposal of trash and debris collected by the participants.

*The City is continuing its annual Spring Greening event which promotes stream cleanup along with its Adopt-A-Street program. The event was held on June 10<sup>th</sup> 2017 and 10 volunteers collected one pickup truck load of trash from segments of two city streams running through city-owned property.*

**Additional Reporting Requirements:**

*Provide a web link to the MS4 Program Plan and annual report.*

*The City of Winchester’s current MS4 Program Plan and previous Annual Reports are available for download at: <http://www.winchesterva.gov/engineering/stormwater> . This MS4 Annual Report and any revisions to the City’s MS4 Program Plan will be placed on-line within 30 days of submission to DEQ.*

*Provide documentation of compliance with the public participation requirements of this section.*

*Documentation of the City’s compliance with the public participation requirements contained in Section II.B.2 of the MS4 General Permit has been provided in the write-ups shown above under*

*the Public Involvement and Participation section of this Annual Report and via the City's stormwater webpage.*

### **III. Illicit Discharge Detection and Elimination**

**BMP 3.1. Storm Sewer Infrastructure and Outfall Mapping:** The City will maintain a stormwater infrastructure layer as part of its overall GIS program. The General Public will be able to access the stormwater infrastructure layer using the City's interactive mapping program. The City will maintain an MS4 Outfall layer that identifies the location of the City's MS4 outfalls.

*In accordance with MCM 3 of the City's MS4 Program Plan, the Outfall Map was updated in 2017 to include all MS4 outfalls located within the boundaries identified as "urbanized" areas in the 2010 Decennial Census. As a part of that update, the City evaluated all of the previously located outfalls to determine if they were actually MS4 regulated outfalls. Additionally, the approximate drainage area of each regulated outfall was delineated. This updated mapping information is included as Attachment 2 of this report*

*The City continues to update the storm sewer map on a continuous basis with the receipt of "as-built" development plans. A utilities map including storm sewer infrastructure mapping is available to the public on the following website: <http://gis.winchesterva.gov/utilitiesmapping/>*

**BMP 3.2. MS4 Operator Coordination:** The City will provide written notification to downstream MS4 operators where it identifies that the City's MS4 infrastructure is physically connected. At this time, the only local MS4s are the Frederick County Schools MS4 and the Virginia Department of Transportation.

*The City did not provide any new written notifications of physical interconnections with downstream MS4 operators as they are the same as in previous years (Frederick County Schools MS4 and the Virginia Department of Transportation).*

**BMP 3.3. Legal Authority - IDDE:** The City will maintain legal authority prohibiting illicit discharges into the MS4 system. The legal authority will also identify those non-stormwater discharges allowed to be discharged into the MS4 system. This legal authority is established at Chapter 9, Section III of the Code of Winchester.

*The City continues to maintain the legal authority to prohibit illicit discharges through the City's Water Protection Ordinance (Chapter 9 of the City Code). The City provides information on illicit discharges and links to Chapter 9 of the City Code on the following website: <http://www.winchesterva.gov/engineering/stormwater>.*

**BMP 3.4. IDDE Investigation and Follow-Up:** The City will investigate and conduct follow-up on suspect discharges in accordance to procedures included in the Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition.

*The City's Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition provides guidance for investigating complaints, determining the source of suspect discharges, and eliminating illicit discharges. Those investigations are summarized below under BMP 3.6.*

**BMP 3.5. MS4 Outfall Dry Weather Field Screening:** The City will conduct dry weather screening on fifty (50) MS4 outfalls annually using procedures included in the Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition.

*In conjunction with the update to the outfall mapping noted above under BMP 3.1, the City conducted dry weather screening inspections of all MS4 outfalls during this reporting period. A total of 323 regulated outfalls were screened and no suspect discharges were found.*

**BMP 3.6. Illicit Discharge Tracking and Documentation:** The City will track and document suspect and illicit discharges, as well as, City investigation, follow-up and enforcement actions in accordance to procedures included in the Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition.

*During this reporting period, the City investigated five reports of illicit discharges. Two were closed without action after investigation, two were closed after general notices were sent to local businesses, and one was closed after a business cleaned their parking lot and the city's storm drains. Also, one incident, which was opened during the previous reporting period, was closed after the homeowner made a plumbing change.*

**Table 2. Illicit Discharge Tracking Summary**

<b>ID #</b>	<b>Date Opened</b>	<b>Description of Discharge</b>	<b>Actions Taken</b>	<b>Date Closed</b>
IDR16-002	3/18/2016	Mr. Souders has noticed foul smelling water coming from storm water outlet in curb at the side of the residence.	City inspection personnel performed rental inspection and found that washing machine drain was routed to utility sink, and may have been routed to sump pump. Followup inspection found that p-trap was repaired and washing machine was properly routed to it.	3/15/2017
IDR17-001	7/14/2016	The City Engineer received an anonymous complaint that someone was dumping oil or other auto fluids in the street.	The City's Stormwater Engineer drove by the property and saw a car in front of the house and a watery fluid in the gutter pan. The homeowner had stopped the spill with rags and was in the process of absorbing it. No actions taken.	7/14/2016
IDR17-002	8/29/2016	Stormwater official at O'Sullivan notified WFRD that there appeared to be oil in Abrams Creek. Hazmat team was dispatched and traced source to drains along east side of Valley Ave. While O'Sullivan personnel placed containment booms, City's Public Works personnel inspected Valley Ave. and found grease and oil in Burger King parking lot,	Business owner of Burger King, Mr. Richard Smith, was notified by the City's Stormwater Engineer and DEQ's Pollution Response Coordinator that he would be responsible for cleaning out the storm drain from his property down to the creek, and reimbursing O'Sullivan for the booms they deployed.	8/30/2016

		flowing to storm drain.		
IDR17-003	9/20/2016	<p>City's Public Services Director received a report that employees of the Union Jack Restaurant were washing out trash cans outside behind the business and dumping the soapy water on paved areas. Those areas drain to storm inlets in and around Indian Alley and from there are piped directly to Town Run.</p>	<p>City Engineer and Infrastructure Manager visited the business and notified them that it is a violation of City Code to dump into storm drains and explained the direct connection to Town Run. Also, due to past violations by other downtown restaurants doing the same thing, the City developed an informational flyer and sent it to all downtown food service establishments about the need to direct trash can wash water to the sanitary sewer.</p>	9/20/2016
IDR17-004	11/28/2016	<p>Received an email from DEQ's Pollution Response Coordinator stating that DEQ had received notice from O'Sullivan that there were suds in Abrams Creek on the O'Sullivan property. The coordinator asked that the city investigate.</p>	<p>City's Stormwater Engineer immediately checked the status of the creek at the downstream edge of the O'Sullivan property and there were very small clusters of suds but most had dispersed or moved downstream by the time he got there. A driving inspection was done of the upstream drainage area but no obvious source of the suds was found. Due to the volume of suds in the picture sent by O'Sullivan personnel and the proximity of car dealerships, multiple vehicle washes are suspected as the source. Since no source was found, a letter was prepared by the City and sent to all car dealerships in the area reminding them that it is a violation of City Code for commercial operations to allow wash water to flow into the storm drains.</p>	12/2/2016
IDR17-005	4/26/2017	<p>Received an email from DEQ's Pollution Response Coordinator stating that DEQ had received a complaint that personnel at Carpers Auto Finishes were pouring finishes on the ground. DEQ asked the city to investigate</p>	<p>City's Stormwater Engineer drove by the business on 4/27/17 and looked for any signs of spills on the ground or in the gutter beside the business, where the lot drains to. Nothing was detected. On 4/28, Robert again visited the site and walked around the property but did not see signs of dumping in any of the outdoor areas. He also spoke to the manager on site who stated that they always collect leftover paints in metal containers and haul them to the landfill. No further actions taken.</p>	4/26/2017

**BMP 3.7. Hazardous Spill Response:** The City, in cooperation with Frederick County, will provide emergency response to hazardous material spills and accidental chemical releases.

*During this reporting period, there were 23 incidents reported by emergency response personnel. All of these incidents were minor in nature and were contained to the area of origin. None of these events resulted in a discharge to the City's MS4.*

**BMP 3.8. Household Hazardous Waste Collection:** The City, in cooperation with Frederick County, will continue to provide household hazardous waste collection opportunities for its residents. The collection schedule will be promoted through use of the City's social media and Cit-E newsletter.

*The City continued to promote the Household Hazardous Waste Collection Days as one of its four local participation programs. These events were held on the first and third Wednesdays of each month from noon to 6 p.m. during the months of April through October. During the months of November, December, January, February and March, one event was held each month on the third Wednesday of the month. All collections take place at the landfill's citizens' convenience center.*

**BMP 3.9. Household Waste Reduction:** The City will continue to provide weekly waste collection services for City residents. In addition, the City will continue to provide fall leaf collection services, yard waste collection services and bulky waste collection services to City residences. Schedules for these services will be placed on the City's Public Works web page regarding refuse and recycling (<http://www.winchesterva.gov/public-works/refuse>).

*The City continued to provide weekly waste collection services for City residents. The following are statistics associated with the City's Household Waste Reduction Program during this permit cycle:*

- Household waste collected – 6,603.18 tons
- Recycled materials (paper/cardboard, bottles/cans/plastic, scrap metal) collected – 2,035.31 tons
- Yard waste collected – 884.34 tons
- Recycling bins distributed – 1,252

**BMP 3.10. Elimination of Sanitary Sewage Seepage from Public Sewers:** The City will continue, as part of its sanitary sewer utilities program, implementation of its inflow and infiltration program to replace or slipline sanitary sewers to prevent illicit discharge. The level of implementation of this BMP each year will be established by the City Council as part of annual budget approval.

*As part of the City's ongoing inflow and infiltration program, the City replaced approximately 300 linear feet of eight-inch sewer main and replaced 8 manholes during this reporting period.*

**Additional Reporting Requirements:**

*List any written notifications of physical interconnections given by the operator to other MS4s*

*The City did not provide any new written notifications of physical interconnections with downstream MS4 operators as they are the same as in previous years (Frederick County Schools MS4 and the Virginia Department of Transportation).*

List the total number of outfalls screened during the reporting period, the screening results, and details of any follow-up actions necessitated by the screening results

The City screened 323 outfalls during this reporting period. The City's outfall screening results were provided under BMP 3.5 above.

Provide a summary of each investigation conducted by the operator of any suspected illicit discharge. The summary must include: (i) the date that the suspected discharge was observed, reported, or both; (ii) how the investigation was resolved, including any follow-up, and (iii) resolution of the investigation and the date the investigation was closed.

The City investigated five potential illicit discharge events during this reporting period. Details, including dates, of these investigations were provided under BMPs 3.5 and 3.6 above.

#### **IV. Construction Site Stormwater Runoff Control**

**BMP 4.1. Legal Authority – E and SC:** The City will maintain legal authority for implementation of a local erosion and sediment control program consistent with 9VAC25-840-10 et. seq. This legal authority is established at Chapter 9, Section II of the Code of Winchester.

The City continues to maintain the legal authority for implementation of a local erosion and sediment control program consistent with 9VAC25-840-10 through the City's Water Protection Ordinance (Chapter 9, Section II of the City Code). The City provides information on erosion sediment control and links to Chapter 9 of the City Code on the following website: <http://www.winchesterva.gov/engineering/>. The City also provides access to a downloadable Land Disturbance Permit Package on the following website: <http://www.winchesterva.gov/engineering/permits>.

**BMP 4.2. Land Disturbing Activity Plan Review:** The City will require submission of complete Land Disturbance Permit Applications and Virginia Stormwater Management Program Permit Packages for regulated land disturbance activities. The City will review the packages for compliance with Chapter 9, Section II of the City Code (Erosion Control) and Chapter 9, Section III of the City Code (Stormwater Management) by reviewing the checklists included in the permit application packages. Approval for land disturbance will not be given by the City until an application is approved.

The City continues to require permits for land disturbing activities including a VSMP authority permit through Chapter 9 of the City Code. The City provides access to a downloadable Land Disturbance Permit Package and Virginia Stormwater Management Program Permit Package on the following website: <http://www.winchesterva.gov/engineering/permits>. The City approved 17 construction plan sets during the reporting period.

**BMP 4.3. VPDES Construction Activity Permit Coordination:** The City will not authorize initiation of land disturbance activities until it receives evidence that the applicant has applied for and obtained coverage under the Virginia General Permit for Discharges of Stormwater from Construction Activities for construction activity, including a completed general permit registration statement as required under City Code Section 9-50.

*The City continues to require evidence that the applicant has applied for and obtained coverage under the Virginia General Permit for Discharges of Stormwater from Construction Activities per Section 9-50(b)(4) of the City Code. During this reporting period, there were two sites located within the City that were approved for coverage under the VPDES General Permit for the Discharge of Stormwater.*

**BMP 4.4. Land Disturbing Activity Inspections:** The City will maintain a land disturbance inspection program that is consistent with the requirements of Section 9-39 of the City Code. In addition, as part of these inspections, the City will inspect sites for compliance with Section 9-58 of the City Code requiring implementation of a pollution prevention plan and Section 9-67 of the City Code requiring compliance with the approved stormwater management plan. The City will enforce these requirements as authorized and in accordance to Chapter 9 of the City Code.

*The City continues to maintain an inspection program in accordance with Sections 9-39 and 9-67 of the City Code. The City’s inspection program provides for inspection of land disturbing activities during construction to ensure compliance with:*

- *Approved erosion and sediment control plans*
- *Approved stormwater management plans*
- *Development, updating, and implementation of pollution prevention plans*
- *Development and implementation of any additional control measures necessary to address TMDLs*

*During this reporting period, there were a total of 2,139 inspections conducted across all construction sites located within the City.*

**BMP 4.5. Land Disturbing Activity Tracking and Recordkeeping:** The City has an existing program to track land disturbance activities to provide the necessary information for routine inspections, as-built inspections, surveys, and determining which areas may be most likely to incur heavier than normal sediment loading. Plan approval records and inspections will be tracked and documented in the City's digital records system, SunGard.

*During this reporting cycle, there were 18 Land Disturbance Permit Applications submitted, reviewed, and subsequent permits issued by the City.*

**Additional Reporting Requirements:**

*The operator shall track regulated land-disturbing activities and submit the following information in all annual reports: (1) Total number of regulated land-disturbing activities; (2) Total number of acres disturbed; (3) Total number of inspections conducted; and (4) A summary of the enforcement actions taken, including the total number and type of enforcement actions taken during the reporting period.*

*The following statistics apply to this reporting period:*

**Table 4. Regulated Land-Disturbing Activities**

<b>ITEM</b>	<b>TOTAL</b>
Land Disturbing Permits Issued	18
Disturbed Acres	14.91
Inspections Conducted	2,139
Written Enforcement Actions Necessary	30

## **V. Post Construction Stormwater Management in New Development and Development on Prior Developed Lands**

**BMP 5.1. Legal Authority - SWM:** The City will maintain the legal authority necessary to implement a VSMP that is consistent with 9VAC25-870-10 et. seq. This legal authority is established at Chapter 9, Section III of the City Code.

*The City continues to maintain the legal authority for implementation of a local Virginia Stormwater Management Program (VSMP) consistent with 9VAC25-870-10 through the City's Water Protection Ordinance (Chapter 9, Article III of the City Code). Furthermore, the City provides a link to Chapter 9 of the City Code on the following website:*

*<http://www.winchesterva.gov/engineering/>. The City provides access to a downloadable Virginia Stormwater Management Program Permit Package on the following website:  
<http://www.winchesterva.gov/engineering/permits>.*

**BMP 5.2. Private Stormwater Management Facility Inspections:** The City will maintain a post development stormwater management facility inspection program in accordance with Section 9-67 of the City Code. Inspections on such facilities will be conducted at least once every five (5) years. Under required maintenance agreements executed by and between a private landowner (BMP 5.3), the City is provided with right-of-access to the private property on which a stormwater BMP is located, confers responsibility for construction and maintenance to the private landowner or property owners' association, and ensures that the City can undertake steps to maintain a facility should an inspection identify any deficiencies or problems. Maintenance agreements are recorded with the title to the property, providing the City with an enforceable legal instrument should a private landowner neglect to maintain a stormwater management facility constructed on his or her property. Inspection records will be kept on file with the City Engineer's Division.

*The City continues to maintain a post development stormwater management facility inspection program in accordance with Section 9-67 of the City Code. The City has changed their inspection program from annual inspections by licensed private professionals; to inspections once every five years by City personnel, and annual self-inspections by owners. During this reporting period, there were 103 self-inspections reported on 56 different sites. In addition, city personnel conducted another 26 comprehensive inspections on 19 different sites. Of those inspected by the City, 7 were found to have deficiencies beyond the scope of routine maintenance. Notices were sent to the property owners and follow up inspections were scheduled for 60 days from the date of the notices.*

**BMP 5.3. Maintenance Agreements:** The City will require executed maintenance agreements for stormwater management facilities in accordance to Section 9-63 of the City Code. The agreement shall be recorded in the office of the Clerk of the Circuit Court for the City of Winchester. A copy of the City of Winchester Stormwater Facilities/BMP Maintenance Agreement is included in the Virginia Stormwater Management Program Permit Application.

*The City continues to require the execution of maintenance agreements for private stormwater management facilities in accordance with Section 9-63 of the City Code. During this reporting period, there were four maintenance agreements executed with the City and recorded in the office of the Clerk of the Circuit Court for the City of Winchester.*

**BMP 5.4. City-Owned Stormwater Management Facility Inspections:** The City Division of Engineering will inspect stormwater management facilities owned/operated by the City annually using procedures identified in the Public Stormwater Management Facility Inspection Standard Operating Procedures Manual, June 2014 edition. Copies of the inspections will be kept on file with the City Engineer's Division.

*The City continued with its program to inspect stormwater management facilities owned/operated by the City annually. During this reporting period, there were 14 City owned/operated stormwater facilities that were inspected. Copies of the inspection reports are available in the City Engineer's office.*

**BMP 5.5. City-Owned Stormwater Management Facility Maintenance:** The City Division of Public Works will conduct maintenance on City-Owned Stormwater Management Facilities as necessary and in response to Division of Engineering inspections.

*Based on the results of the inspections of the 14 City owned/operated stormwater management facilities, none of these facilities required maintenance or follow-up inspections.*

**BMP 5.6. Tracking and Documentation:** The City will track and document permanent stormwater management facilities in the City's BMP spreadsheet maintained by the City Engineering Division.

*An updated electronic database/spreadsheet of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4 is provided on a DVD under Attachment 1 to this Annual Report.*

**Additional Reporting Requirements:**

*The operator shall maintain an updated electronic database of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4. The operator shall submit an electronic database or spreadsheet of all stormwater management facilities brought online during each reporting year with the appropriate annual report.*

*An updated electronic database/spreadsheet of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4 is provided on a DVD under Attachment 1 to this Annual Report.*

*The operator shall annually track and report the total number of inspections completed and, when applicable, the number of enforcement actions taken to ensure long-term maintenance.*

*During this reporting period, there were a total of 129 private stormwater management facility inspections performed and 14 City owned/operated stormwater facility inspections performed. Based on these inspections, 7 sites were found to be deficient and follow up inspections were scheduled.*

**VI. Pollution Prevention/Good Housekeeping for Municipal Operations**

**BMP 6.1. Standard Operating Procedures:** The City will develop and implement standard operating procedures and pollution prevention methods for its daily operational activities.

*Standard Operating Procedures (SOPs) were developed and continue to be implemented. The Pollution Prevention/Good Housekeeping for Municipal Operations - Standard Operating Procedures 2013-2018 were developed during Permit Year 2 and were attached to the Year 2 report. This document outlines the SOPs and the roles and responsibilities of the City Divisions involved.*

**BMP 6.2. Stormwater Pollution Prevention Plans:** The City will develop a stormwater pollution prevention plan (SWPPP) for the equipment and maintenance facility located at Jim Barnett Park.

*In accordance with Section II.B.6.b(3) and Table 1 of the City's MS4 Permit, a SWPPP for the equipment and maintenance facility located at Jim Barnett Park was developed and implemented on June 30, 2017 and is included in this report as Attachment 4. This SWPPP is temporary in nature since the existing building will be mostly demolished and a new one will be constructed beginning in or around November of 2017.*

**BMP 6.3. Nutrient Management Plans:** NMPs will be developed by a certified turf and landscape nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia. NMPs must be renewed every three years. Copies of the nutrient management plans will be incorporated by reference into the MS4 Program Plan upon approval.

*In accordance with Section II.B.6.c(1)(b) and Table 1 of the City's MS4 Permit, NMPs for all applicable sites, as identified in the City's NMP Facility Evaluation, were developed during the Year 3 reporting period. These plans cover a total of 19.39 acres.*

**BMP 6.4. Pollution Prevention Inspections:** The City will conduct an annual pollution prevention inspection at the equipment and maintenance facility located at Jim Barnett Park.

*This BMP was implemented in conjunction with the development and implementation of the facility's SWPPP on June 30, 2017. No inspections had been conducted at the time of this report.*

**BMP 6.5. Staff Training:** The City will conduct staff training in accordance with the training schedule and training modules included in the City of Winchester Stormwater Training Plan, June 2014 edition. The City will ensure necessary certifications identified in the training plan are maintained.

*The City continued implementation of the City of Winchester Stormwater Training Plan dated June 2014. The following is a list of training events held during this reporting period:*

- *Training Module #1 – Recognition and Reporting of Illicit Discharges*
  - *March 1, 2017 – 10 attendees*
  - *March 8, 2017 – 20 attendees*
  - *March 13, 2017 – 11 attendees*
  - *March 28, 2017 – 9 attendees*
  - *May 18, 2017 – 11 attendees*
- *Training Module #2 – Pollution Prevention for Road, Street and Parking Maintenance*
  - *March 13, 2017 – 11 attendees*
  - *March 28, 2017 – 9 attendees*

- May 18, 2017 – 11 attendees
- *Training Module #3 – Pollution Prevention for Fleet and Public Works Facilities*
  - March 1, 2017 – 10 attendees
  - March 8, 2017 – 20 attendees
  - March 13, 2017 – 11 attendees
  - March 28, 2017 – 9 attendees
  - May 18, 2017 – 11 attendees
- *Training Module #4 – Minimizing Stormwater Pollution Practices for Parks and Rec Facilities*
  - March 1, 2017 – 10 attendees
  - March 8, 2017 – 20 attendees

**BMP 6.6. Street Sweeping:** The City will continue its street sweeping program and track the amount of litter and debris removed.

*During this reporting period, the City swept approximately 3,093 lane miles of roadways within the City.*

**BMP 6.7. VPDES Industrial Stormwater Permit Compliance Coordination:** As part of the MS4 Program, the City will confirm that the City Yards maintains a current Stormwater Pollution Prevention Plan (SWPPP) as required under the Virginia General Permit for Discharge of Stormwater from Industrial Activities.

*The City Yards facility continues to maintain a current Stormwater Pollution Prevention Plan (SWPPP) dated June, 2014. The City also continued coverage under the Virginia General Permit for Discharge of Stormwater from Industrial Activities for this facility as evidenced by the letter from DEQ that is provided here in Attachment 3.*

**Additional Reporting Requirements:**

*Provide a summary report on the development and implementation of the daily operational procedures.*

*The City developed written Standard Operating Procedures (SOPs) for Daily Good Housekeeping and Pollution Prevention during Permit Year 2. The Pollution Prevention/Good Housekeeping for Municipal Operations - Standard Operating Procedures 2013-2018 were attached to the Year 2 report.*

*Provide a summary report on the development and implementation of the required SWPPPs.*

*In accordance with Section II.B.6.b(3) and Table 1 of the City's MS4 Permit, a SWPPP for the equipment and maintenance facility located at Jim Barnett Park was developed and implemented on June 30, 2017. It is included in this report as Attachment 4.*

*Provide a summary report on the development and implementation of the turf and landscape nutrient management plans that includes:*

*(a) The total acreage of lands where turf and landscape nutrient management plans are required; and*

*(b) The acreage of lands upon which turf and landscape nutrient management plans have been implemented.*

*In accordance with Section II.B.6.c(1)(b) and Table 1 of the City’s MS4 Permit, NMPs for all applicable sites, as identified in the City’s NMP Facility Evaluation, were developed by a certified turf and landscape nutrient management planner as outlined under BMP 6.3 above.*

*Provide a summary report on the required training, including a list of training events, the training date, the number of employees attending training and the objective of the training.*

*The City continued implementation of the City of Winchester Stormwater Training Plan dated June 2014. The following is a list of training events held during this reporting period:*

- *Training Module #1 – Recognition and Reporting of Illicit Discharges*
  - *March 1, 2017 – 10 attendees*
  - *March 8, 2017 – 20 attendees*
  - *March 13, 2017 – 11 attendees*
  - *March 28, 2017 – 9 attendees*
  - *May 18, 2017 – 11 attendees*
- *Training Module #2 – Pollution Prevention for Road, Street and Parking Maintenance*
  - *March 13, 2017 – 11 attendees*
  - *March 28, 2017 – 9 attendees*
  - *May 18, 2017 – 11 attendees*
- *Training Module #3 – Pollution Prevention for Fleet and Public Works Facilities*
  - *March 1, 2017 – 10 attendees*
  - *March 8, 2017 – 20 attendees*
  - *March 13, 2017 – 11 attendees*
  - *March 28, 2017 – 9 attendees*
  - *May 18, 2017 – 11 attendees*
- *Training Module #4 – Minimizing Stormwater Pollution Practices for Parks and Rec Facilities*
  - *March 1, 2017 – 10 attendees*
  - *March 8, 2017 – 20 attendees*

### 3.0 Results of Collected Data

*Results of information collected and analyzed, including monitoring data, if any, during the reporting period.*

*Under the Abrams Creek and Lower Opequon Creek Combined Sediment and Bacteria TMDL Action Plan, the City was required to develop a water quality monitoring program for POC reductions assessment, which was attached to the Year 3 report. That plan was implemented on September 15, 2016. Two samples were taken from each of the four sampling sites during this reporting period and the results are summarized below.*

**Table 5. Water Quality Monitoring Results**

Sample Location	Sample Date	Total E.coli Count (CFU/100ml)	Total Suspended Solids (mg/L)
OT-11	12/6/16	0	3.0
OT-34	12/6/16	680	98.7
OT-42	12/6/16	160	31.0
OT-54	12/6/16	0	35.2

OT-11	6/5/17	0	64.3
OT-34	6/19/17	TNTC*	584.0
OT-42	6/19/17	380	53.6
OT-54	6/19/17	240	5.8

\*Too numerous to count using 5ml sample size. Sample size will be reduced for next sample test.

## 4.0 Future Stormwater Activities

*A summary of the stormwater activities the operator plans to undertake during the next reporting cycle.*

*During the next reporting period, the City plans to continue implementation of the 40 BMPs contained in its current 2014-2018 MS4 Program Plan. Additionally, in order to comply with the MS4 General Permit's compliance schedule (Table 1) and other permit requirements, the City plans to undertake the following activities as well:*

- *Evaluate the Public Education and Outreach Program.*
- *MS4 Permit reapplication.*

## 5.0 Changes in BMPs and Measurable Goals

*A change in any identified best management practices or measurable goals for any of the minimum control measures including steps to be taken to address any deficiencies.*

### 5.1. Changes in BMPs/Program Elements

*The City does not plan to make any changes to the BMPs/Program Elements listed in its 2014-2018 MS4 Program Plan at this time.*

### 5.2. Changes in Measurable Goals

*The City does not plan to make any changes to the measurable goals associated with the BMPs/Program Elements listed in its 2014-2018 MS4 Program Plan at this time.*

## 6.0 Government Reliance for Permit Obligations

*Notice that the operator is relying on another government entity to satisfy some of the State permit obligations (if applicable).*

*At this time, the City is not relying on any other government entity to satisfy any direct permit obligations.*

## 7.0 Section II C Program Status

*The approval status of any programs pursuant to Section II C (if appropriate), or the progress towards achieving full approval of these programs.*

*The City does operate a local Erosion and Sediment Control Program consistent with the requirements contained in Section 62.1-44-15:54 of the State Water Control Law and Section 9VAC25-840 of the Virginia Administrative Code. The City also operates a local Virginia Stormwater Management Program consistent with the requirements contained in Section 62.1-44.15:27 of the State Water Control Law and Section 9VAC25-870 of the Virginia Administrative Code. Both of these City programs have been found to be in compliance with their respective regulatory requirements by the appropriate oversight agencies in Virginia.*

## **8.0 General Permit Section I Information**

*Information required for any applicable TMDL special condition contained in Section I.*

*The Abrams Creek and Lower Opequon Creek Combined Sediment and Bacteria TMDL Action Plan and the Chesapeake Bay TMDL Action Plan were both approved during the previous reporting period and can be found on the City's website at <http://www.winchesterva.gov/engineering/stormwater>.*

**Attachment 1. Electronic Database/Spreadsheet of City-Owned and  
Privately-Owned Stormwater Management Facilities**

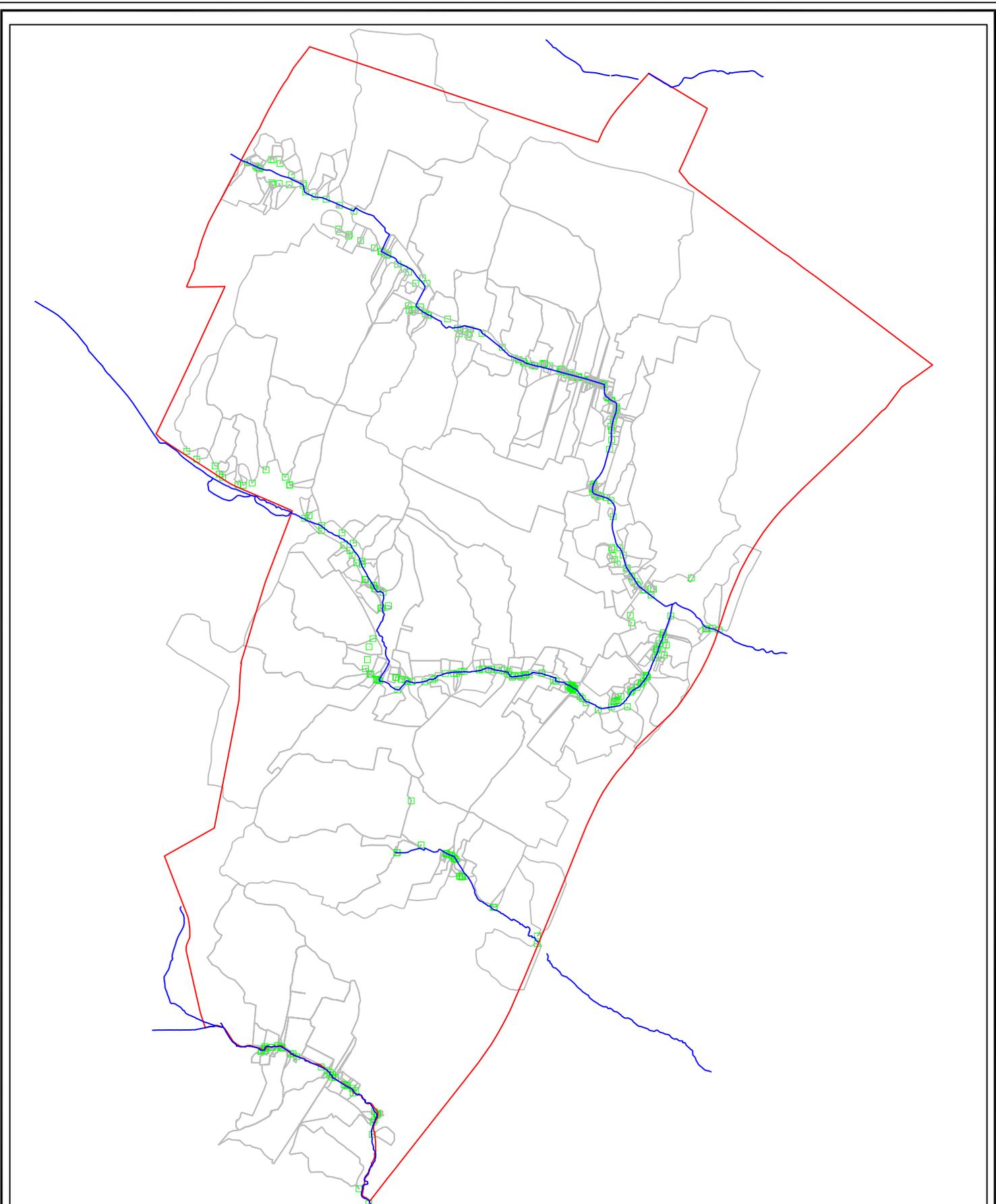
Project	Owner Name	c/o	BMP ID	Type ID	BMP Address	Acres Treated	Previous Acres Tre	Constructed?	Online Date	HU Code ID	Public/Private	MA Signed by Owner	Last Inspection	Type of Inspection
804 Amherst Street	Iris, LC		0001	Pervious Pavers (Concrete)	804 Amherst Street	0.08		TRUE	30-Apr-10	17	Private	28-Apr-10	27-Jun-14	Inspector
804 Amherst Street	Iris, LC		0002	Grass Swale	804 Amherst Street	0.04		TRUE	30-Apr-10	17	Private	28-Apr-10	27-Jun-14	Inspector
812 & 830 Amherst Street	812 Amherst Street Condo Association, Inc.		0115	Pervious Pavers (Concrete)	812 Amherst Street	0.14		TRUE	31-Aug-10	17	Private	31-Aug-10	27-Jun-14	Inspector
812 & 830 Amherst Street	Amherst Street Condo Association, Inc.		0123	Pervious Pavers (Concrete)	830 Amherst Street	0.24		TRUE	31-Aug-10	17	Private	31-Aug-10	27-Jun-14	Inspector
Aiken Strip Mall	Aikens Group		0003	Detention Basin (Dry Pond)	2820-2836 Valley Avenue	6.00		TRUE	30-Jun-05	16	Private		09-Jul-14	Inspector
Allston Mews	Neil J. & Bobbie J. Keefe		0005	Detention Basin (Dry Pond)	500-552 Allston Circle, 500-520 Mews Lane	0.75		TRUE	30-Jun-05	16	Private		28-May-14	Inspector
Allston Mews	Neil J. & Bobbie J. Keefe		0006	Detention Basin (Dry Pond)	500-552 Allston Circle, 500-520 Mews Lane	0.75		TRUE	30-Jun-05	16	Private		28-May-14	Inspector
American Woodmark	American Woodmark		0007	Detention Basin (Dry Pond)	3102 Shawnee Drive	2.60		TRUE	30-Jun-05	16	Private	20-Sep-10	28-May-14	Inspector
Amherst St. CVS	Summit Community Bank		0008	Detention Basin (Dry Pond)	1721 Amherst Street	43.50		TRUE	28-Jul-08	17	Private	07-Oct-05	07-Jul-14	Inspector
Bank of Clarke County	Bank of Clarke County		0010	Hydrodynamic Separator	2555 South Pleasant Valley Road	1.12		TRUE	25-Mar-13	17	Private	31-Oct-09	11-Jun-14	Inspector
Berryville Ave. CVS	SCP 2006-C23-208-LLC	CVS Corporation	0012	Underground Detention	836-906 Berryville Avenue	1.10		TRUE	30-Jun-07	17	Private		18-Sep-14	City
BSW Investments	BSW Investments, LLC		0013	Bioretention Basin	2264 Papermill Road	0.16		FALSE		17	Private	31-Aug-09		
Burke Center	Pine-Burke Realty, LLC		0039	Detention Basin (Dry Pond)	2-40 Weems Lane	7.10		TRUE	30-Jun-05	17	Private		07-Jul-14	Inspector
Byrd Office Building	Byrd Enterprises, LLC		0014	Detention Basin (Dry Pond)	2909-2919 Valley Avenue	2.06		TRUE	27-Feb-08	16	Private		12-Jun-17	City
Byrd Office Building	Byrd Enterprises, LLC		0014	Detention Basin (Dry Pond)	2909-2919 Valley Avenue	2.06		TRUE	27-Feb-08	16	Private		10-Jun-14	Inspector
Castleman Subdivision	City of Winchester		0016	Underground Detention	Mosby Street ROW	6.39		TRUE	27-Nov-07	17	Public		14-Feb-17	City
Cedar Creek Grade Office Complex	Dinapoli Properties, LLC		0017	Filtterra	905 Cedar Creek Grade	0.36		TRUE	27-Feb-07	17	Private	19-Feb-07	03-Jun-14	Inspector
Cedar Creek Grade Office Complex	Dinapoli Properties, LLC		0019	Filtterra	905 Cedar Creek Grade	0.48		TRUE	27-Feb-07	17	Private	19-Feb-07	03-Jun-14	Inspector
Cedar Creek Grade Office Complex	Dinapoli Properties, LLC		0020	Filtterra	905 Cedar Creek Grade	0.61		TRUE	27-Feb-07	17	Private	19-Feb-07	03-Jun-14	Inspector
Cedar Creek Grade Office Complex	Treybul Co., LLC		0018	Filtterra	817 Cedar Creek Grade	0.48		TRUE	27-Feb-07	17	Private	19-Feb-07	07-Jul-14	Inspector
Cedar Creek Grade Office Complex	Treybul Co., LLC		0021	Filtterra	817 Cedar Creek Grade	0.78		TRUE	27-Feb-07	17	Private	19-Feb-07	07-Jul-14	Inspector
Centre at Winchester - Home Depot, Target	P D K Winchester LC	Dierman Realty Group	0022	Detention Basin (Dry Pond)	2320 Legge Boulevard	8.50		TRUE	30-Jun-15	17	Private		20-Jun-14	Inspector
City National Bank	City National Bank		0183	Underground Detention	1830 Valley Avenue	0.29		TRUE	20-Aug-13	17	Private	07-Nov-12	19-Jun-14	Inspector
City National Bank	City National Bank		0184	Filtterra	1830 Valley Avenue	0.21		TRUE	20-Aug-13	17	Private	07-Nov-12	19-Jun-14	Inspector
City National Bank	City National Bank		0185	Filtterra	1830 Valley Avenue	0.29		TRUE	20-Aug-13	17	Private	07-Nov-12	19-Jun-14	Inspector
Commercial Street Used Cars	Major Properties, LLC		0024	Underground Detention	154 Commercial Street	0.70		FALSE		17	Private			
Commonwealth Plaza - Phase 3	GWG Profit Sharing, TST Properties		0160	Filtterra	2001-2027 South Loudoun Street	0.17		FALSE		17	Private	07-Feb-11		
Cottages at Willow Lawn	City of Winchester		0025	Detention Basin (Dry Pond)	1826 Tilghman Lane	40.60		TRUE	30-Jun-05	17	Public		20-Oct-16	City
Craun Property	Timothy Mellon		0026	Filtterra	220 East Pall Mall Street	0.00		FALSE		17	Private	28-Oct-08		
Dermatology Associates	Dermatology Properties, LC		0027	Detention Basin (Dry Pond)	1514 Amherst Street	5.20		TRUE	30-Jun-05	17	Private		12-Jun-17	City
Dermatology Associates	Dermatology Properties, LC		0027	Detention Basin (Dry Pond)	1514 Amherst Street	5.20		TRUE	30-Jun-05	17	Private		20-May-14	Inspector
Drissi Plaza	Drissi Properties, LLC		0028	Underground Detention	29-35 East Jubal Early Drive	2.10		TRUE	30-Jun-05	17	Private		07-Jul-14	Inspector
East Tevis Street Extension	Glaize Developments		0030	Enhanced Extended Detention Basin	201 East Tevis Street	23.06		FALSE		17	Private	03-Oct-07		
East Tevis Street Extension	Glaize Developments		0031	Enhanced Extended Detention Basin	2600-2690 South Pleasant Valley Road	59.76		FALSE		17	Private	03-Oct-07		
Elite Settlements	D & E Lee LLC		0032	Permeable Pavement (Concrete, Asphalt)	802 South Braddock Street	0.10		FALSE		17	Private	09-Nov-07		
FCPS Admin Annex	Frederick County Public Schools		0033	Bioretention Basin	1415 Amherst Street	0.10		TRUE	01-Nov-11	17	Private	07-Apr-08	17-Jun-14	Inspector
FCPS Admin Annex	Frederick County Public Schools		0034	General Infiltration Practice	1415 Amherst Street	0.10		TRUE	01-Nov-11	17	Private	07-Apr-08	17-Jun-14	Inspector
FCPS Admin Building Addition	Frederick County Public Schools		0161	Filtterra	1415 Amherst Street	0.20		TRUE	01-Nov-11	17	Private	07-Apr-08	17-Jun-14	Inspector
Fern Adams Building	Fern Adams Building, LLC		0038	Underground Detention	303 South Loudoun Street	0.47		TRUE	30-Jun-05	17	Private		20-Jun-14	Inspector
Five Star Auto Spa	One Hanul LLC		0162	Filtterra	555-565 Adams Drive	0.11		FALSE		17	Private	03-Feb-11		
Frederick Douglas School	City of Winchester		0040	Detention Basin (Dry Pond)	100 West Tevis Street	78.90		TRUE	30-Jun-05	16	Public		04-Nov-16	City
Friendship Fire Hall	City of Winchester		0041	Detention Basin (Dry Pond)	627 North Pleasant Valley Road	50.50		TRUE	30-Jun-05	17	Public		02-Dec-16	City
Ft. Collier Rd. Food Lion	Kentland Foundation Inc.		0029	Detention Basin (Dry Pond)	699-723 Fort Collier Road	20.20		TRUE	30-Jun-05	17	Private		01-Jul-14	Inspector
G&M Music	Carolyn M. Schebish		0042	Bioretention Filter	1817 South Loudoun Street	0.15		FALSE		17	Private	10-Jul-09		
George Washington Autopark	Winchester Parking Authority		0015	Filtterra	131 North Kent Street	0.20		TRUE	11-Apr-08	17	Private	04-Apr-08	30-May-14	Inspector
Harvest Drive Medical	Valley Proteins, Inc.		0046	Filtterra	501-519 Harvest Drive	0.53		TRUE	11-Dec-12	17	Private	25-Sep-12	07-Jul-14	Inspector
Harvest Drive Medical	Valley Proteins, Inc.		0047	Filtterra	501-519 Harvest Drive	0.51		TRUE	11-Dec-12	17	Private	25-Sep-12	07-Jul-14	Inspector
Harvest Drive Medical	Valley Proteins, Inc.		0048	Filtterra	501-519 Harvest Drive	0.17		TRUE	11-Dec-12	17	Private	25-Sep-12	07-Jul-14	Inspector
Harvest Drive Medical	Valley Proteins, Inc.		0049	Filtterra	501-519 Harvest Drive	0.16		TRUE	11-Dec-12	17	Private	25-Sep-12	07-Jul-14	Inspector
Harvest Drive Medical	Valley Proteins, Inc.		0050	Filtterra	501-519 Harvest Drive	0.14		TRUE	11-Dec-12	17	Private	25-Sep-12	07-Jul-14	Inspector
Harvest Drive Medical	Valley Proteins, Inc.		0051	Filtterra	501-519 Harvest Drive	0.49		TRUE	11-Dec-12	17	Private	25-Sep-12	07-Jul-14	Inspector
Harvest Drive Medical	Valley Proteins, Inc.		0052	Filtterra	501-519 Harvest Drive	0.78		TRUE	11-Dec-12	17	Private	25-Sep-12	07-Jul-14	Inspector
Henkel-Harris	Henkel-Harris III, LLC		0054	Detention Basin (Dry Pond)	2983 South Pleasant Valley Road	30.10		TRUE	30-Jun-05	16	Private		20-Jun-14	Inspector
High End Automotive	SMD Properties, LLC		0055	Detention Basin (Dry Pond)	2970 Valley Avenue	0.55		TRUE	19-Apr-07	16	Private	05-Mar-07	20-Jun-14	Inspector
High End Automotive	SMD Properties, LLC		0056	Bioretention Filter	2970 Valley Avenue	0.55		TRUE	19-Apr-07	16	Private	05-Mar-07	20-Jun-14	Inspector
Hilton Garden Inn	Lucky 7 LP-LLP		0057	Underground Detention	120 Wingate Drive	5.50		TRUE	04-Dec-06	17	Private	19-Jan-09	09-Jul-14	Inspector
Hirschberg Office Building	Neurosurgical Investment Properties		0058	General Infiltration Practice	1818 Amherst Street	1.10		TRUE	30-Jun-05	17	Private		19-Jun-14	Inspector
History and Tourism Center	City of Winchester		0059	Bioretention Basin	1400 South Pleasant Valley Road	1.63		TRUE	27-Feb-08	17	Public		02-Dec-16	City
History and Tourism Center	City of Winchester		0060	Bioretention Basin	1400 South Pleasant Valley Road	1.77		TRUE	27-Feb-08	17	Public		02-Dec-16	City
HN Funkhouser	KVC LLC		0062	Detention Basin (Dry Pond)	2148-2150 South Loudoun Street	1.16		TRUE	01-Jan-08	17	Private	01-Nov-07	08-Jul-14	Inspector
HN Funkhouser	KVC LLC		0063	Grass Swale	2148-2150 South Loudoun Street	0.56		TRUE	01-Jan-08	17	Private	01-Nov-07	08-Jul-14	Inspector
HN Funkhouser	KVC LLC		0064	Grass Swale	2148-2150 South Loudoun Street	0.22		TRUE	01-Jan-08	17	Private	01-Nov-07	08-Jul-14	Inspector
HN Funkhouser	KVC LLC		0065	Grass Swale	2148-2150 South Loudoun Street	1.53		TRUE	01-Jan-08	17	Private	01-Nov-07	08-Jul-14	Inspector
Hope Drive Site Plan	Dave Holliday Rentals, LLC		0066	Detention Basin (Dry Pond)	321 Hope Drive	2.69		TRUE	12-Jul-11	16	Private	29-Oct-09	07-Oct-14	Inspector
Hope Drive Subdivision	City of Winchester		0067	Detention Basin (Dry Pond)	230 Hope Drive	66.00		TRUE	30-Jun-05	17	Public		04-Nov-16	City
Islamic Society of Winchester	Islamic Society of Winchester		0068	Permeable Pavement (Concrete, Asphalt)	601 Woodstock Lane	0.20		TRUE	01-Sep-10	17	Private	01-Nov-08	07-Jul-14	Inspector
JD Byrider	JSB Associates		0104	Extended Detention Basin	1930 South Loudoun Street	1.41		TRUE	02-Apr-12	17	Private	10-Sep-10	03-Jun-14	Inspector

Project	Owner Name	c/o	BMP ID	Type ID	BMP Address	Acres Treated	Previous Acres Tre	Constructed?	Online Date	HU Code ID	Public/Private	MA Signed by Owner	Last Inspection	Type of Inspection
Jenkins - Cooper	Jenkins Cooper, LLC		0069	Detention Basin (Dry Pond)	2944-2950 Valley Avenue	0.68		FALSE		16	Private			
John Handley Bowl	Winchester Public School Board		0071	Underground Detention	425 Handley Boulevard	4.83		TRUE	02-Feb-11	17	Private	14-May-09	07-Jun-17	City
John Handley Bowl	Winchester Public School Board		0071	Underground Detention	425 Handley Boulevard	4.83		TRUE	02-Feb-11	17	Private	14-May-09	28-Jun-13	Inspector
John Handley Parking Lot	Winchester Public School Board		0070	Underground Detention	338 Handley Boulevard	0.00		TRUE	30-Jan-07	17	Private		07-Jun-17	City
John Handley Parking Lot	Winchester Public School Board		0070	Underground Detention	338 Handley Boulevard	0.00		TRUE	30-Jan-07	17	Private		28-Jun-13	Inspector
John Handley Tennis	Winchester Public School Board		0072	Underground Detention	338 Handley Boulevard	0.24		TRUE	02-Feb-11	17	Private	14-May-09	07-Jun-17	City
John Handley Tennis	Winchester Public School Board		0072	Underground Detention	338 Handley Boulevard	0.24		TRUE	02-Feb-11	17	Private	14-May-09	28-Jun-13	Inspector
Jubal Early Plaza I - Lot 2	Randolph Craun		0073	Detention Basin (Dry Pond)	21-29 West Jubal Early Drive	4.22		TRUE	30-Jun-05	17	Private		14-Jul-14	Inspector
Jubal Early Plaza II - Lot 9	Women's Center of Winchester		0074	Detention Basin (Dry Pond)	1820 West Plaza Drive	4.22		TRUE	30-Jun-05	17	Private		07-Jul-14	Inspector
KSR LLC	The Townes at Kent HOA		0075	Sand Filter	210 East Clifford Street	0.12		TRUE	29-Jan-07	17	Private		05-May-16	Inspector
Limestone Court	Limestone Court HOA	Joyce Mull	0135	Detention Basin (Dry Pond)	2680 Limestone Court	18.30		TRUE	30-Jun-05	17	Private		18-Sep-14	City
Limestone Court	White Properties of Winchester, Inc.		0077	Detention Basin (Dry Pond)	2610 Hockman Avenue	0.00		TRUE	30-Jun-05	17	Private		18-Sep-14	City
Linden Drive Office Park	La Rose, LLC		0078	Detention Basin (Dry Pond)	136 Linden Drive	2.13		TRUE	14-Mar-11	17	Private			
Linden Heights Animal Hospital	Schmitt Properties		0079	Enhanced Extended Detention Basin	274 Linden Drive	1.34		TRUE	14-Mar-11	17	Private	03-Oct-07	10-Jun-14	Inspector
Linden Medical Center	Linden Westside Condominiums Assoc.	Cambridge Companies	0080	Detention Basin (Dry Pond)	172 Linden Drive	4.40		TRUE	12-Jun-07	17	Private		06-Jun-17	City
Linden Medical Center	Linden Westside Condominiums Assoc.	Cambridge Companies	0080	Detention Basin (Dry Pond)	172 Linden Drive	4.40		TRUE	12-Jun-07	17	Private		12-Jun-12	Inspector
Lowes	Lowes Home Center Inc		0081	Detention Basin (Dry Pond)	2200 South Pleasant Valley Road	13.50		TRUE	30-Jun-05	17	Private		07-Jun-17	City
Lowes	Lowes Home Center Inc		0081	Detention Basin (Dry Pond)	2200 South Pleasant Valley Road	13.50		TRUE	30-Jun-05	17	Private		01-Jul-13	Inspector
Lowes	Lowes Home Center Inc		0082	Detention Basin (Dry Pond)	2210 Legge Boulevard	19.70		TRUE	30-Jun-05	17	Private		07-Jun-17	City
Lowes	Lowes Home Center Inc		0082	Detention Basin (Dry Pond)	2210 Legge Boulevard	19.70		TRUE	30-Jun-05	17	Private		16-Sep-13	Inspector
Madison Center	NC Development LLC		0083	Detention Basin (Dry Pond)	320 Hope Drive	0.78		TRUE	07-Jan-08	17	Private	07-Oct-09	08-Sep-14	Inspector
Madison Center	NC Development LLC		0084	Bioretention Filter	320 Hope Drive	0.20		TRUE	07-Jan-08	17	Private	07-Oct-09	08-Sep-14	Inspector
Madison Center	NC Development LLC		0085	Bioretention Filter	320 Hope Drive	0.20		TRUE	07-Jan-08	17	Private	07-Oct-09	08-Sep-14	Inspector
Madison Center	NC Development LLC		0086	Bioretention Filter	320 Hope Drive	0.20		TRUE	07-Jan-08	17	Private	07-Oct-09	08-Sep-14	Inspector
Madison Center	NC Development LLC		0087	Bioretention Filter	320 Hope Drive	0.20		TRUE	07-Jan-08	17	Private	07-Oct-09	08-Sep-14	Inspector
Madison Center	NC Development LLC		0088	Underground Detention	320 Hope Drive	1.80		TRUE	07-Jan-08	17	Private	07-Oct-09	08-Sep-14	Inspector
Madison Place I	Madison Winds, LLC		0089	Detention Basin (Dry Pond)	3018 Shawnee Drive	5.53		TRUE	20-Dec-05	16	Private		09-Jul-14	Inspector
Major Properties	Major Properties, LLC		0109	Pervious Pavers (Concrete)	150 Commercial Street	0.72		TRUE	29-May-15	17	Private	30-Jun-14		
McDonald's - Berryville Ave.	McDonald's Restaurant		0090	Underground Detention	1124 Berryville Avenue	0.60		TRUE	30-Jun-05	17	Private		21-Jun-17	City
McDonald's - Berryville Ave.	McDonald's Restaurant		0090	Underground Detention	1124 Berryville Avenue	0.60		TRUE	30-Jun-05	17	Private		20-May-14	Inspector
McKinley Office Building	Michael J. Bernel		0091	Detention Basin (Dry Pond)	700 Fort Collier Road	3.20		TRUE	30-Jun-05	17	Private		18-Sep-14	City
Meddent Center	Meddent LLC		0092	Bioretention Basin	1002 Amherst Street	0.40		FALSE		17	Private	13-Aug-07		
Medical Circle Imaging	Neurological Properties, LLC		0165	Filterra	125 Medical Circle	0.00		TRUE	14-Sep-05	17	Private	02-Dec-10	01-Jun-17	City
Medical Circle Imaging	Neurological Properties, LLC		0165	Filterra	125 Medical Circle	0.00		TRUE	14-Sep-05	17	Private	02-Dec-10	20-May-14	Inspector
Medical Circle Imaging	Neurological Properties, LLC		0166	Filterra	125 Medical Circle	0.00		TRUE	14-Sep-05	17	Private	02-Dec-10	01-Jun-17	City
Medical Circle Imaging	Neurological Properties, LLC		0166	Filterra	125 Medical Circle	0.00		TRUE	14-Sep-05	17	Private	02-Dec-10	20-May-14	Inspector
Medical Circle Imaging	Neurological Properties, LLC		0167	Underground Detention	125 Medical Circle	0.00		TRUE	14-Sep-05	17	Private	02-Dec-10	01-Jun-17	City
Medical Circle Imaging	Neurological Properties, LLC		0167	Underground Detention	125 Medical Circle	0.00		TRUE	14-Sep-05	17	Private	02-Dec-10	20-May-14	Inspector
Morlyn Hills Subdivision	City of Winchester		0093	Constructed Wetlands	1511 Stone House Court	0.00		TRUE	30-Jun-05	17	Public		22-Dec-16	City
New John Kerr Elementary School	Winchester Public School Board		0232	Bioretention Basin	427 Meadowbranch Avenue	1.19	0.80	TRUE	12-Jan-17	17	Private	06-Nov-14		
New John Kerr Elementary School	Winchester Public School Board		0233	Bioretention Basin	427 Meadowbranch Avenue	1.24	0.55	TRUE	12-Jan-17	17	Private	06-Nov-14		
New John Kerr Elementary School	Winchester Public School Board		0234	Bioretention Basin	427 Meadowbranch Avenue	4.42	2.10	TRUE	12-Jan-17	17	Private	06-Nov-14		
Northside Station	Pari Plaza LLC		0139	General Infiltration Practice	823 North Loudoun Street	1.60		TRUE	30-Jun-05	18	Private		28-May-14	Inspector
Omps Pet Crematory	Omps Funeral Home		0168	Bioretention Filter	1600 Amherst Street	4.57		TRUE	04-Aug-11	17	Private	16-Jun-11	20-May-14	City
Omps Pet Crematory	Omps Funeral Home		0168	Bioretention Filter	1600 Amherst Street	4.57		TRUE	04-Aug-11	17	Private	16-Jun-11	20-May-14	Inspector
Orchard Terrace	City of Winchester		0094	Detention Basin (Dry Pond)	282 Green Street	6.40		TRUE	30-Jun-05	18	Public		19-Jan-17	City
Our Health - Phase II	North Cameron Properties, LLC		0095	Pervious Pavers (Concrete)	401 North Cameron Street	0.08		TRUE	28-May-10	17	Private	31-Mar-10	01-Jun-17	City
Our Health - Phase II	North Cameron Properties, LLC		0095	Pervious Pavers (Concrete)	401 North Cameron Street	0.08		TRUE	28-May-10	17	Private	31-Mar-10	03-Jul-13	Inspector
Panera	Glaize Developments		0096	Filterra	2605 South Pleasant Valley Road	0.12		TRUE	18-Jun-07	16	Private	02-Apr-07	11-Jun-14	Inspector
Panera	Glaize Developments		0097	Filterra	2605 South Pleasant Valley Road	0.51		TRUE	18-Jun-07	16	Private	02-Apr-07	11-Jun-14	Inspector
Panera	Glaize Developments		0098	Filterra	2605 South Pleasant Valley Road	0.34		TRUE	18-Jun-07	16	Private	02-Apr-07	11-Jun-14	Inspector
Panera	Glaize Developments		0099	Detention Basin (Dry Pond)	2605 South Pleasant Valley Road	0.34		TRUE	18-Jun-07	16	Private	02-Apr-07	11-Jun-14	Inspector
Park Place	City of Winchester		0100	Detention Basin (Dry Pond)	2024 Harvest Drive	33.10		TRUE	30-Jun-05	17	Public		14-Oct-16	City
Patriot Collision Center	Patriot Collision Center LLC		0101	Underground Detention	3064-3068 Shawnee Drive	1.20		TRUE	30-Jun-05	16	Private		31-May-17	City
Patriot Collision Center	Patriot Collision Center LLC		0101	Underground Detention	3064-3068 Shawnee Drive	1.20		TRUE	30-Jun-05	16	Private		20-May-14	Inspector
Pine-Burke Apartments - Phase I	Pine-Burke Realty, LLC		0103	Underground Detention	2-14 Taft Avenue	0.47		TRUE	30-Jun-05	17	Private		07-Jul-14	Inspector
Popeye's	Christina Tseng		0105	Underground Detention	2659 Valley Avenue	0.93		TRUE	12-Jun-07	16	Private		08-Jun-17	City
Popeye's	Christina Tseng		0105	Underground Detention	2659 Valley Avenue	0.93		TRUE	12-Jun-07	16	Private		01-Jun-12	Inspector
Rolling Hills Park	City of Winchester		0107	Detention Basin (Dry Pond)	702 Kennedy Drive	4.50		TRUE	30-Jun-05	16	Public		27-Jul-16	City
Rolling Hills Subdivision	Rolling Hills Estates HOA	Cambridge Companies	0108	Detention Basin (Dry Pond)	612 Lake Drive	54.70		TRUE	24-Aug-12	16	Private		07-Jun-17	City
Rolling Hills Subdivision	Rolling Hills Estates HOA	Cambridge Companies	0108	Detention Basin (Dry Pond)	612 Lake Drive	54.70		TRUE	24-Aug-12	16	Private		20-Jun-13	Inspector
Rubbermaid Building Expansion	Rubbermaid Commercial Products		0102	Detention Basin (Dry Pond)	3124 Valley Avenue	0.00		TRUE	25-Jun-12	16	Private		20-Jun-14	Inspector
Rubbermaid Storage Area	Rubbermaid Commercial Products		0169	Grass Swale	3124 Valley Avenue	0.49		TRUE	12-Jul-13	16	Private	16-Dec-10	20-Jun-14	Inspector
Rubbermaid Storage Area	Rubbermaid Commercial Products		0170	Grass Swale	3124 Valley Avenue	0.27		TRUE	12-Jul-13	16	Private	16-Dec-10	20-Jun-14	Inspector
Saturn of Winchester			0043			0.00		FALSE			Private			
Saturn of Winchester	O'Malley LLC		0011	Detention Basin (Dry Pond)	3003-3019 Valley Avenue	3.80		TRUE	30-Jun-05	16	Private		06-Jun-17	City
Saturn of Winchester	O'Malley LLC		0011	Detention Basin (Dry Pond)	3003-3019 Valley Avenue	3.80		TRUE	30-Jun-05	16	Private		17-May-12	Inspector

Project	Owner Name	c/o	BMP ID	Type ID	BMP Address	Acres Treated	Pervious Acres Tre	Constructed?	Online Date	HU Code ID	Public/Private	MA Signed by Owner	Last Inspection	Type of Inspection
Selma Medical	City of Winchester		0110	Detention Basin (Dry Pond)	330 Amherst Street	7.50		TRUE	30-Jun-05	17	Public		10-Oct-12	City
Shawnee Drive Business Park	LHZ Properties, LLC		0111	Underground Detention	2900 Shawnee Drive	2.42		FALSE		16	Private	06-Jan-09		
Shawnee Drive Business Park	LHZ Properties, LLC		0171	Bioretention Filter	2900 Shawnee Drive	2.42		FALSE		16	Private	06-Jan-09		
Shawnee Fire Department	Shawnee Volunteer Fire Dept		0112	Detention Basin (Dry Pond)	2210 Valor Drive	20.30		TRUE	30-Jun-05	17	Private		20-Jun-14	Inspector
Sorrel Court	Sorrel Court HOA	Coventry Group	0116	Detention Basin (Dry Pond)	2946 Sorrel Court	4.80		TRUE	30-Jun-05	16	Private		20-Jun-17	City
Sorrel Court	Sorrel Court HOA	Coventry Group	0116	Detention Basin (Dry Pond)	2946 Sorrel Court	4.80		TRUE	30-Jun-05	16	Private		27-May-14	Inspector
South Valley Plaza	Dixie Distributing, LLC		0172	Filtterra	2725 South Pleasant Valley Road	0.12		FALSE		16	Private	10-Dec-07		
South Valley Plaza	Dixie Distributing, LLC		0173	Filtterra	2725 South Pleasant Valley Road	0.46		FALSE		16	Private	10-Dec-07		
South Valley Plaza	Dixie Distributing, LLC		0174	Filtterra	2725 South Pleasant Valley Road	0.20		FALSE		16	Private	10-Dec-07		
South Valley Plaza	Dixie Distributing, LLC		0175	Filtterra	2725 South Pleasant Valley Road	0.45		FALSE		16	Private	10-Dec-07		
South Valley Plaza	Dixie Distributing, LLC		0176	Filtterra	2725 South Pleasant Valley Road	0.29		FALSE		16	Private	10-Dec-07		
South Valley Plaza	Dixie Distributing, LLC		0177	Filtterra	2725 South Pleasant Valley Road	0.39		FALSE		16	Private	10-Dec-07		
South Valley Plaza	Dixie Distributing, LLC		0178	Filtterra	2725 South Pleasant Valley Road	0.38		FALSE		16	Private	10-Dec-07		
South Valley Plaza	Dixie Distributing, LLC		0179	Filtterra	2725 South Pleasant Valley Road	0.56		FALSE		16	Private	10-Dec-07		
Southside Church of Christ	Southside Church of Christ		0023	General Infiltration Practice	3136 Papermill Road	0.75	0.59	FALSE		17	Private	26-Sep-13		
Spanish United Pentecostal Church	Spanish United Pentecostal Church Trustees		0180	Pervious Pavers (Concrete)	672 Virginia Avenue	0.23		TRUE	30-Apr-13	17	Private	22-Apr-11	12-Jun-17	City
Spanish United Pentecostal Church	Spanish United Pentecostal Church Trustees		0180	Pervious Pavers (Concrete)	672 Virginia Avenue	0.23		TRUE	30-Apr-13	17	Private	22-Apr-11	02-Jul-13	Inspector
Spencer Square	Melco Inc		0117	Detention Basin (Dry Pond)	2856 Spencer Square	1.50		TRUE	30-Jun-05	16	Private		07-Jul-14	Inspector
Spring Street	City of Winchester		0223	Filtterra	Spring Street ROW	0.05	0.05	TRUE	30-Sep-15	17	Public		17-Feb-17	City
Spring Street	City of Winchester		0224	Filtterra	Spring Street ROW	0.21	0.21	TRUE	30-Sep-15	17	Public		17-Feb-17	City
Spring Street	City of Winchester		0225	Filtterra	Spring Street ROW	0.30	0.15	TRUE	30-Sep-15	17	Public		17-Feb-17	City
Star Beauty School	Wright Renovations		0181	Bioretention Basin	219 Millwood Avenue	0.37		FALSE		17	Private	28-Sep-10		
Stewart Street Properties	Kilmer & Associates, CPA, P.C.		0230	Bioretention Filter	120 South Stewart Street	0.55		TRUE	24-Jun-15	17	Private	17-Mar-15		
Stonecrest Village	Stonecrest Village HOA	Coventry Group	0119	Detention Basin (Dry Pond)	415 Russelcroft Road	87.00		TRUE	30-Jun-05	16	Private		20-Jun-14	Inspector
Storage Solutions	Storage Solutions of Winchester, LLC		0239	Filtterra	403 Battaile Drive	0.36	0.32	FALSE		16	Private	05-May-16		
Storage Solutions	Storage Solutions of Winchester, LLC		0240	Filtterra	403 Battaile Drive	0.37	0.32	FALSE		16	Private	05-May-16		
Storage Solutions	Storage Solutions of Winchester, LLC		0241	Filtterra	403 Battaile Drive	0.26	0.24	FALSE		16	Private	05-May-16		
Storage Solutions	Storage Solutions of Winchester, LLC		0242	Filtterra	403 Battaile Drive	0.27	0.24	FALSE		16	Private	05-May-16		
Storage Solutions	Storage Solutions of Winchester, LLC		0243	Filtterra	403 Battaile Drive	2.34	1.68	FALSE		16	Private	05-May-16		
Stutzman Body Shop	JACC, LLC		0120	Underground Detention	2725 Valley Avenue	1.10		TRUE	28-Aug-09	16	Private	03-Jan-08	08-Jul-14	Inspector
SU Aspirational Village	Shenandoah University		0244	Bioretention Filter	1460 University Drive	0.18	0.14	FALSE		17	Private	05-Nov-15		
SU Sarah's Glen	Shenandoah University		0076	Pervious Pavers (Concrete)	1460 University Drive	0.00		TRUE	21-Jan-13	17	Private		12-Jun-17	City
SU Sarah's Glen	Shenandoah University		0076	Pervious Pavers (Concrete)	1460 University Drive	0.00		TRUE	21-Jan-13	17	Private		21-May-14	Inspector
SU Student Center Addendum	Shenandoah University		0121	Pervious Pavers (Concrete)	1460 University Drive	0.40		TRUE	10-Jul-08	17	Private	26-May-08	12-Jun-17	City
SU Student Center Addendum	Shenandoah University		0121	Pervious Pavers (Concrete)	1460 University Drive	0.40		TRUE	10-Jul-08	17	Private	26-May-08	20-May-14	Inspector
Summerfield Apartments	Page-Brooke Developments		0122	Detention Basin (Dry Pond)	900-975 Summerfield Lane	5.40		TRUE	30-Jun-05	17	Private		07-Jul-14	Inspector
Sun Trust Bank	Amherst Associates II, LLC		0125	Underground Detention	1738 Amherst Street	1.00		TRUE	30-Jun-05	17	Private		21-Jun-14	Inspector
TGI Friday's	Glaize Developments		0126	Hydrodynamic Separator	2600-2690 South Pleasant Valley Road	1.30		TRUE	23-Jul-07	16	Private	02-Apr-07	11-Jun-14	Inspector
TGI Friday's	Glaize Developments		0127	Hydrodynamic Separator	2600-2690 South Pleasant Valley Road	1.23		TRUE	23-Jul-07	16	Private	02-Apr-07	11-Jun-14	Inspector
TGI Friday's	Glaize Developments		0128	Extended Detention Basin	2600-2690 South Pleasant Valley Road	1.30		TRUE	23-Jul-07	16	Private	02-Apr-07	11-Jun-14	Inspector
TGI Friday's	Glaize Developments		0129	Extended Detention Basin	2600-2690 South Pleasant Valley Road	1.23		TRUE	23-Jul-07	16	Private	02-Apr-07	11-Jun-14	Inspector
TGI Friday's	Glaize Developments		0182	Filtterra	2600-2690 South Pleasant Valley Road	0.33		TRUE	23-Jul-07	16	Private	02-Apr-07	11-Jun-14	Inspector
The Corners I and II	Biggs Corner Winchester, LLC		0130	Underground Detention	2270 Valor Drive	1.51		TRUE	30-Sep-08	17	Private	05-Feb-07	28-May-14	Inspector
The Corners I and II	Molden Real Estate Corporation		0009	Underground Detention	2310 Valor Drive	1.60		FALSE		17	Private	05-Feb-07		
The Lofts at Jubal Square	Jubal Square, LLC		0238	Retention Basin (Wet Pond)	1900 Valley Avenue	6.89		FALSE		17	Private	02-Jul-15		
Timberlake Office Building	Grove Hill, LLC		0131	Filtterra	900 South Pleasant Valley Road	0.24		TRUE	27-Nov-06	17	Private	09-Mar-07	07-Jul-14	Inspector
Timberlake Office Building	Grove Hill, LLC		0132	Filtterra	900 South Pleasant Valley Road	0.22		TRUE	27-Nov-06	17	Private	09-Mar-07	07-Jul-14	Inspector
Trinity Auto Center	Grasso & Sons Development Corp.		0218	Bioretention Basin	2409-2433 Valley Avenue	0.67		TRUE	26-Aug-13	17	Private	14-Mar-12	31-May-17	City
Trinity Express Lube	Grasso & Sons Development Corp.		0044	Detention Basin (Dry Pond)	2409-2433 Valley Avenue	0.81		TRUE	30-Jun-05	17	Private		31-May-17	City
Trinity Express Lube	Grasso & Sons Development Corp.		0044	Detention Basin (Dry Pond)	2409-2433 Valley Avenue	0.81		TRUE	30-Jun-05	17	Private		27-Jul-10	Inspector
Valley Ave. Food Lion	Kentland Foundation Inc.		0133	Detention Basin (Dry Pond)	2584-2606 Valley Avenue	20.70		TRUE	19-Dec-06	17	Private		01-Jul-14	Inspector
Valley Mortgage	SEE Properties LP LLP		0134	Detention Basin (Dry Pond)	2654 Valley Avenue	58.00		TRUE	30-Jun-05	16	Private		09-Jul-14	Inspector
Valor Drive Site Plan	Alejandro Orfila	Edwin P. Markowitz	0136	Detention Basin (Dry Pond)	2233-2265 Valor Drive	3.44		TRUE	15-May-06	17	Private		28-Sep-14	Inspector
Valor View Shopping Center	PRO Properties, LLC		0137	Underground Detention	2301-2325 Valor Drive	1.36		TRUE	03-Dec-10	17	Private	10-Apr-10	13-Jun-17	City
Valor View Shopping Center	PRO Properties, LLC		0137	Underground Detention	2301-2325 Valor Drive	1.36		TRUE	03-Dec-10	17	Private	10-Apr-10	08-Apr-14	Inspector
Valor View Shopping Center	PRO Properties, LLC		0138	Bioretention Basin	2301-2325 Valor Drive	0.59		TRUE	03-Dec-10	17	Private	10-Apr-10	13-Jun-17	City
Valor View Shopping Center	PRO Properties, LLC		0138	Bioretention Basin	2301-2325 Valor Drive	0.59		TRUE	03-Dec-10	17	Private	10-Apr-10	08-Apr-14	Inspector
Walmart	Walmart Supercenter		0140	Detention Basin (Dry Pond)	2350 South Pleasant Valley Road	19.40		TRUE	30-Jun-05	17	Private		06-Jun-14	Inspector
Walnut Street Extension Subdivision	Don Packard Jr.		0141	Grass Swale	400 Walnut Drive	1.24		TRUE	26-Sep-05	17	Private		20-Jun-17	City
Walnut Street Extension Subdivision	Don Packard Jr.		0141	Grass Swale	400 Walnut Drive	1.24		TRUE	26-Sep-05	17	Private		20-May-14	Inspector

Project	Owner Name	c/o	BMP ID	Type ID	BMP Address	Acres Treated	Previous Acres Tre	Constructed?	Online Date	HU Code ID	Public/Private	MA Signed by Owner	Last Inspection	Type of Inspection
War Memorial Building	City of Winchester		0142	Bioretention Basin	1001 East Cork Street	0.50		TRUE	30-Jun-05	17	Public		02-Dec-16	City
Westridge Section 1	City of Winchester		0143	Detention Basin (Dry Pond)	2505 Goldenfield Lane	9.20		TRUE	30-Jun-05	17	Public		06-Jan-17	City
Westridge Section 2	City of Winchester		0144	Detention Basin (Dry Pond)	2653 Windwood Drive	15.10		TRUE	30-Jun-05	17	Public		22-Dec-16	City
Whitacre Property	1726 Valley Avenue, LLC		0145	Filtterra	1726 Valley Avenue	0.33		FALSE		17	Private			
Whittier Ponding Basin	City of Winchester		0146	Detention Basin (Dry Pond)	841 Whittier Avenue	124.70		TRUE	30-Jun-05	17	Public		09-Dec-16	City
Winchester Marketplace	DSC Properties LLC		0192	Filtterra	1551 South Pleasant Valley Road	0.12	0.12	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	DSC Properties LLC		0195	Filtterra	1551 South Pleasant Valley Road	0.11	0.11	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	DSC Properties LLC		0196	Filtterra	1551 South Pleasant Valley Road	0.21	0.21	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	DSC Properties LLC		0197	Filtterra	1551 South Pleasant Valley Road	0.28	0.28	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	DSC Properties LLC		0200	Filtterra	1551 South Pleasant Valley Road	0.27		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0193	Filtterra	1531-1539 Pleasant Valley Road	0.37	0.37	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0194	Filtterra	1531-1539 Pleasant Valley Road	0.12	0.12	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0198	Filtterra	1531-1539 Pleasant Valley Road	0.08	0.27	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0199	Filtterra	1531-1539 Pleasant Valley Road	0.42	0.30	TRUE	30-Sep-15	17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0201	Filtterra	222 Spring Street	0.19		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0202	Filtterra	222 Spring Street	0.51		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0203	Filtterra	222 Spring Street	0.15		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0204	Filtterra	222 Spring Street	0.65		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0205	Filtterra	222 Spring Street	0.34		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0206	Filtterra	222 Spring Street	1.07		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0207	Filtterra	222 Spring Street	0.24		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0208	Filtterra	222 Spring Street	0.24		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0209	Filtterra	222 Spring Street	0.39		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0210	Filtterra	222 Spring Street	0.35		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0211	Filtterra	222 Spring Street	0.21		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0212	Filtterra	222 Spring Street	0.52		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0213	Filtterra	222 Spring Street	0.30		FALSE		17	Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0214	Underground Detention	222 Spring Street	13.20		FALSE		17	Private	14-Apr-15		
Winchester Medical Center	Winchester Medical Center		0147	Retention Basin (Wet Pond)	1840 Amherst Street	57.00		TRUE	30-Jun-05	17	Private		10-Jun-14	Inspector
Winchester Medical Center	Winchester Medical Center		0148	Retention Basin (Wet Pond)	1840 Amherst Street	57.00		TRUE	30-Jun-05	17	Private		10-Jun-14	Inspector
Winchester Medical Center	Winchester Medical Center		0149	Retention Basin (Wet Pond)	1840 Amherst Street	57.00		TRUE	30-Jun-05	17	Private		10-Jun-14	Inspector
WMC Cancer Center	Winchester Medical Center		0231	Cartridge Filter	1840 Amherst Street	2.65	1.38	TRUE	25-Aug-16	17	Private	31-Oct-14		

## **Attachment 2. City of Winchester Revised Outfall Mapping**



**CITY OF WINCHESTER  
VIRGINIA**

PUBLIC SERVICES DEPARTMENT  
15 N. CAMERON STREET  
WINCHESTER, VA 22601  
PHONE: 540-667-1815  
FAX: 540-662-3351

**CITY OF WINCHESTER**

**STREAM OUTFALLS AND DRAINAGE AREAS**

SCALE: 1"=3000'    DATE: 5/26/17

SHEET 1 OF 1

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Level	HUC12	Estiamted_
1	TR147	39.197500000000	-78.192900000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	1.91107094151697E-02
2	TR146	39.197300000000	-78.192300000000	Pipe	Other	18"					Town Run	Yes	Yes	020700040901	0.944810913129122
3	TR145	39.197200000000	-78.192200000000	Pipe	Concrete	15"					Town Run	Yes	Yes	020700040901	1.86479977503553E-02
4	TR144	39.197100000000	-78.192000000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	1.24589876712233E-02
5	TR143	39.197100000000	-78.192000000000	Pipe	Concrete	48					Town Run	Yes	Yes	020700040901	13.0550172261055
6	TR142	39.197100000000	-78.191900000000								Town Run	Yes	Yes	020700040901	0.268560306779201
7	TR135	39.196000000000	-78.188400000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	11.5622883082572
8	TR132	39.195300000000	-78.187400000000	Pipe	Other	24"					Town Run	Yes	Yes	020700040901	1.13961531258309
9	TR131	39.195100000000	-78.186500000000	Pipe	CMP	24"					Town Run	Yes	Yes	020700040901	5.54875517087168
10	TR130	39.194700000000	-78.185400000000	Pipe	Other	4"				Pool Drain	Town Run	Yes	Yes	020700040901	6.63307588496857E-02
11	TR128	39.194400000000	-78.184200000000								Town Run	Yes	Yes	020700040901	178.696561967364
12	TR104	39.187700000000	-78.178200000000	Pipe	Other	6" 12"					Town Run	Yes	Yes	020700040901	7.27434930845649E-02
13	TR103	39.187700000000	-78.178100000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.826802051468187
14	TR92	39.184900000000	-78.171100000000	Pipe	Other	24"					Town Run	Yes	Yes	020700040901	8.27805754351107
15	TR173	39.184400000000	-78.169400000000		Other	4"					Town Run	Yes	Yes	020700040901	1.63646323284582E-02
16	TR172	39.184400000000	-78.169400000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	6.59213487052694E-02
17	TR89	39.183500000000	-78.165000000000								Town Run	Yes	Yes	020700040901	0.48147178553897
18	TR84	39.183500000000	-78.164900000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	7.49877590999378E-02
19	TR82	39.183500000000	-78.164900000000		Other	4"					Town Run	Yes	Yes	020700040901	0.287796738450385
20	TR83	39.183500000000	-78.164900000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	7.44068883831757E-02
21	TR85	39.183500000000	-78.164800000000		Other	4"					Town Run	Yes	Yes	020700040901	6.71953832564588E-02
22	TR86	39.183500000000	-78.164700000000		Other	4"					Town Run	Yes	Yes	020700040901	6.57246692315928E-02
23	TR77	39.183400000000	-78.164600000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	3.08328501194211E-02
24	TR62	39.183200000000	-78.163800000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	0.312132569677893
25	TR59	39.182400000000	-78.163400000000	Pipe	Other	8"					Town Run	Yes	Yes	020700040901	0.486498581120225
26	TR60	39.182400000000	-78.163500000000	Pipe	Other	4"				Roof drain	Town Run	Yes	Yes	020700040901	5.79756201505938E-02
27	TR57	39.182300000000	-78.163300000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	8.37569875008818E-02
28	TR50	39.181700000000	-78.162700000000	Pipe	Other	24"					Town Run	Yes	Yes	020700040901	9.92375716430522
29	TR49	39.181600000000	-78.162700000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	4.02359275411035E-02
30	TR45	39.181000000000	-78.163000000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.028806284041949
31	TR44	39.180900000000	-78.163000000000	Pipe	Other	12"					Town Run	Yes	Yes	020700040901	1.02092582885984
32	TR41	39.180300000000	-78.163100000000	Pipe	Other	12"					Town Run	Yes	Yes	020700040901	0.720796173660779
33	TR40	39.179700000000	-78.163100000000	Curb Cut	Concrete		4'	6"			Town Run	Yes	Yes	020700040901	0.700234401201954
34	TR38	39.179100000000	-78.163300000000	Curb Cut	Concrete		4'	6"			Town Run	Yes	Yes	020700040901	0.625723968541308
35	TR37	39.176800000000	-78.164600000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	4.12013803591192E-02
36	TR32	39.176600000000	-78.164700000000	Pipe	Concrete		4'	4'			Town Run	Yes	Yes	020700040901	113.498550970317
37	TR29	39.176300000000	-78.164600000000	Pipe	Other						Town Run	Yes	Yes	020700040901	0.158733736420088
38	TR25	39.176100000000	-78.164200000000	Pipe	Other	15"					Town Run	Yes	Yes	020700040901	3.66436616423359E-02
39	TR22	39.176100000000	-78.164000000000	Pipe	Other	15"					Town Run	Yes	Yes	020700040901	0.701299704424943
40	TR23	39.176000000000	-78.163600000000	Pipe	Concrete	36"					Town Run	Yes	Yes	020700040901	13.1391894881834
41	TR21	39.175800000000	-78.163200000000	Pipe	Concrete	12"					Town Run	Yes	Yes	020700040901	6.88861399153393
42	TR18	39.174800000000	-78.163000000000	Pipe	CMP	15"					Town Run	Yes	Yes	020700040901	0.437522188102709
43	TR11	39.171500000000	-78.161900000000	Pipe	Other	18"					Town Run	Yes	Yes	020700040901	1.78267419578629
44	TR3	39.170000000000	-78.160600000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	4.94045371106426
45	TR4	39.170100000000	-78.160400000000	Pipe							Town Run	Yes	Yes	020700040901	2.52629310439879
46	TR1	39.170100000000	-78.159700000000	Ditch	Other		2'	6"			Town Run	Yes	Yes	020700040901	0.185111164654011
47	TR2	39.170200000000	-78.159900000000	Pipe	Other	18"					Town Run	Yes	Yes	020700040901	275.087725277762
48	TR5	39.170300000000	-78.161000000000	Pipe	Other	6"				Roof drain	Town Run	Yes	Yes	020700040901	6.49885421783559E-02
49	TR6	39.170400000000	-78.161100000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.36294607567964
50	TR7	39.170600000000	-78.161200000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.283344415815987

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estiamted_
51	TR8	39.17090000000	-78.16150000000	Pipe	Concrete	18"					Town Run	Yes	Yes	020700040901	24.9060668177542
52	TR9	39.17090000000	-78.16150000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.208898066834344
53	TR10	39.17100000000	-78.16150000000	Other	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.1433855217527
54	TR12	39.17150000000	-78.16190000000	Ditch	Other		4'	6"			Town Run	Yes	Yes	020700040901	1.30521045049537
55	TR13	39.17230000000	-78.16220000000	Ditch	Grouted Riprap		6'	1'			Town Run	Yes	Yes	020700040901	10.8706985239355
56	TR14	39.17220000000	-78.16300000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.254167058299363
57	TR15	39.17200000000	-78.16290000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.277206043645228
58	TR16	39.17170000000	-78.16270000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.576457578685474
59	TR17	39.17270000000	-78.16310000000	Ditch	Natural		2'	6"			Town Run	Yes	Yes	020700040901	3.50050596658813
60	TR19	39.17280000000	-78.16310000000	Pipe	Other	8"					Town Run	Yes	Yes	020700040901	0.224139436851035
61	TR133	39.17280000000	-78.16250000000	Pipe	Other		18"				Town Run	Yes	Yes	020700040901	1.52743005744259
62	TR24	39.17610000000	-78.16410000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.215661041660205
63	TR26	39.17610000000	-78.16440000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.130389574844058
64	TR27	39.17610000000	-78.16450000000	Pipe	Other	2"				Roof drain	Town Run	Yes	Yes	020700040901	7.17865717680435E-02
65	TR28	39.17620000000	-78.16450000000	Pipe	CMP	15"					Town Run	Yes	Yes	020700040901	13.2113982047202
66	TR30	39.17650000000	-78.16470000000	Pipe	Other		8"	8"			Town Run	Yes	Yes	020700040901	6.57907136143989E-02
67	TR31	39.17660000000	-78.16470000000	Pipe	Other		8"	8"			Town Run	Yes	Yes	020700040901	2.50396949300194E-02
68	TR33	39.17670000000	-78.16460000000	Pipe	Other	12"					Town Run	Yes	Yes	020700040901	6.91656562849519E-02
69	TR34	39.17670000000	-78.16470000000	Pipe	Other	12"					Town Run	Yes	Yes	020700040901	5.14509975831009E-02
70	TR35	39.17670000000	-78.16460000000	Pipe	Other	2"					Town Run	Yes	Yes	020700040901	9.72840132102334E-02
71	TR36	39.17670000000	-78.16470000000	Ditch	Concrete		2'	3"			Town Run	Yes	Yes	020700040901	0.190457006894263
72	TR39	39.17690000000	-78.16460000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	0.195787039701116
73	TR42	39.18030000000	-78.16310000000	Curb Cut	Concrete		4'	6"			Town Run	Yes	Yes	020700040901	0.351478070094694
74	TR43	39.18050000000	-78.16320000000	Pipe	CMP	18"					Town Run	Yes	Yes	020700040901	0.598587134121305
75	TR46	39.18120000000	-78.16290000000	Pipe	Concrete	15"					Town Run	Yes	Yes	020700040901	1.23867443310606
76	TR47	39.18130000000	-78.16280000000	Pipe	Concrete	15"					Town Run	Yes	Yes	020700040901	0.666784442327949
77	TR48	39.18150000000	-78.16270000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	4.10282438898048E-02
78	TR51	39.18170000000	-78.16270000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	0.131724657830149
79	TR52	39.18180000000	-78.16270000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	8.97476667494663E-02
80	TR53	39.18220000000	-78.16310000000	Pipe	Concrete		6'	4'			Town Run	Yes	Yes	020700040901	42.9014421023343
81	TR54	39.18210000000	-78.16310000000	Ditch	Concrete		4'	6"			Town Run	Yes	Yes	020700040901	0.555240147095736
82	TR55	39.18220000000	-78.16310000000	Ditch	Concrete		4'	6"			Town Run	Yes	Yes	020700040901	0.103074124645271
83	TR56	39.18220000000	-78.16310000000	Ditch	Concrete		4'	6"			Town Run	Yes	Yes	020700040901	0.546842475636978
84	TR58	39.18230000000	-78.16330000000	Pipe	Other	2"					Town Run	Yes	Yes	020700040901	9.81087682712817E-02
85	TR61	39.18320000000	-78.16370000000	Pipe	Other	12"					Town Run	Yes	Yes	020700040901	0.537504579512567
86	TR63	39.18320000000	-78.16380000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.103953878930183
87	TR64	39.18330000000	-78.16390000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	0.174657344755739
88	TR65	39.18330000000	-78.16400000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	5.41882950326374E-02
89	TR66	39.18330000000	-78.16410000000	Pipe	Concrete	48"					Town Run	Yes	Yes	020700040901	244.033144465234
90	TR67	39.18330000000	-78.16410000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	6.72793044677919E-02
91	TR68	39.18330000000	-78.16420000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	0.982705850881812
92	TR69	39.18330000000	-78.16420000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	6.14939922248523E-02
93	TR70	39.18330000000	-78.16430000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	8.59935454808601
94	TR71	39.18330000000	-78.16440000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	4.58469846606005E-02
95	TR72	39.18330000000	-78.16430000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	0.272446011331066
96	TR73	39.18330000000	-78.16440000000	Pipe	Concrete	18"					Town Run	Yes	Yes	020700040901	0.152240035894251
97	TR74	39.18330000000	-78.16440000000	Pipe	CMP	18"					Town Run	Yes	Yes	020700040901	0.107427729662589
98	TR75	39.18330000000	-78.16440000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	7.76959349390195
99	TR76	39.18340000000	-78.16440000000	Pipe	CMP	24"					Town Run	Yes	Yes	020700040901	4.81029522748552
100	TR78	39.18340000000	-78.16460000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	5.70615855602798E-02

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estiamted_
101	TR79	39.183400000000	-78.164600000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.197553566205688
102	TR80	39.183400000000	-78.164600000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	2.51659564061187E-02
103	TR81	39.183400000000	-78.164700000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	2.42744651472521E-02
104	TR87	39.183500000000	-78.165100000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.092377383422047
105	TR88	39.183500000000	-78.165000000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.271452483899926
106	TR181	39.183500000000	-78.164900000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.141118824952695
107	TR180	39.184800000000	-78.170700000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.073798282796062
108	TR93	39.184800000000	-78.170700000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	3.54314015437762E-02
109	TR94	39.185600000000	-78.172100000000	Pipe	Other	36"					Town Run	Yes	Yes	020700040901	12.8755658880941
110	TR95	39.186500000000	-78.173700000000	Pipe	Concrete	48"					Town Run	Yes	Yes	020700040901	23.7785030606851
111	TR96	39.186800000000	-78.174600000000	Other	Concrete	36"					Town Run	Yes	Yes	020700040901	0.214936119091453
112	TR97	39.186500000000	-78.174700000000	Other	Concrete	48"					Town Run	Yes	Yes	020700040901	0.574323127484574
113	TR98	39.186400000000	-78.174900000000	Other	Other	12"					Town Run	Yes	Yes	020700040901	0.455690165243986
114	TR99	39.186700000000	-78.175500000000	Other	Concrete	48"					Town Run	Yes	Yes	020700040901	0.264469081762765
115	TR100	39.186500000000	-78.175600000000	Other	Concrete	48"					Town Run	Yes	Yes	020700040901	7.74428735786067
116	TR101	39.186800000000	-78.175700000000	Pipe	Concrete	48"					Town Run	Yes	Yes	020700040901	0.452109721025736
117	TR102	39.187400000000	-78.176500000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	7.29170731762965
118	TR105	39.187800000000	-78.178400000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	2.80402973516235
119	TR106	39.188000000000	-78.178900000000	Pipe	Other	12"					Town Run	Yes	Yes	020700040901	9.73678525538106E-02
120	TR107	39.188200000000	-78.178800000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	6.25392370007856
121	TR108	39.188000000000	-78.179200000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	0.142881932710379
122	TR109	39.188000000000	-78.179500000000	Pipe	Concrete	18"					Town Run	Yes	Yes	020700040901	0.359657010376062
123	TR110	39.188000000000	-78.179700000000	Pipe	Concrete	18 x 30					Town Run	Yes	Yes	020700040901	56.1218007329094
124	TR111	39.188300000000	-78.179800000000	Pipe	Concrete	30"					Town Run	Yes	Yes	020700040901	7.3591163772401
125	TR112	39.189700000000	-78.178200000000	Pipe	Concrete	15"					Town Run	Yes	Yes	020700040901	118.97690423989
126	TR113	39.190100000000	-78.178600000000	Pipe	CMP	15"					Town Run	Yes	Yes	020700040901	2.71196810519777
127	TR114	39.189700000000	-78.179200000000	Ditch	Grouted Riprap		2'	6"			Town Run	Yes	Yes	020700040901	1.17684776374648
128	TR115	39.190400000000	-78.179700000000	Curb Cut	Grouted Riprap		2'	6"			Town Run	Yes	Yes	020700040901	0.403882871628776
129	TR116	39.190600000000	-78.180100000000	Curb Cut	Concrete		2'	6"			Town Run	Yes	Yes	020700040901	2.07953510417994
130	TR117	39.190900000000	-78.180600000000	Other	Concrete		15'	2'		Pond control structure	Town Run	Yes	Yes	020700040901	9.67412760321989
131	TR118	39.191500000000	-78.181500000000	Ditch	Grouted Riprap		2'	6"			Town Run	Yes	Yes	020700040901	2.63477085504655
132	TR119	39.191600000000	-78.181400000000	Ditch	Grouted Riprap		2'	6"			Town Run	Yes	Yes	020700040901	0.58337544834652
133	TR120	39.191700000000	-78.181700000000	Ditch	Grouted Riprap		2'	6"			Town Run	Yes	Yes	020700040901	0.912474874714687
134	TR121	39.191600000000	-78.181700000000	Ditch	Grouted Riprap		2'	6"			Town Run	Yes	Yes	020700040901	0.951565912067969
135	TR122	39.191700000000	-78.182000000000	Ditch	Concrete		10'	3'			Town Run	Yes	Yes	020700040901	201.239132917736
136	TR123	39.191800000000	-78.181900000000	Ditch	Concrete		10'	3'			Town Run	Yes	Yes	020700040901	54.9249691897027
137	TR124	39.192000000000	-78.182500000000	Other	Concrete	30"					Town Run	Yes	Yes	020700040901	3.0143095059328
138	TR125	39.192500000000	-78.183700000000	Pipe	Concrete	30"					Town Run	Yes	Yes	020700040901	3.84695313497705
139	TR126	39.192900000000	-78.184600000000	Other	Concrete		3'	2'			Town Run	Yes	Yes	020700040901	0.122159551885466
140	TR127	39.192800000000	-78.184700000000	Other	Concrete		3'	2'			Town Run	Yes	Yes	020700040901	0.519922199429827
141	TR129	39.193200000000	-78.185500000000	Other	Concrete		3'	20'			Town Run	Yes	Yes	020700040901	3.75558508890883
142	TR134	39.195600000000	-78.188100000000	Ditch	Natural		2'	6"			Town Run	Yes	Yes	020700040901	6.67636690508506
143	TR136	39.196100000000	-78.188300000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	0.166400823674997
144	TR137	39.196100000000	-78.189500000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	2.97144310116972
145	TR138	39.196100000000	-78.190300000000	Pipe	Concrete	30"					Town Run	Yes	Yes	020700040901	1.66840175321243
146	TR139	39.196100000000	-78.190800000000	Pipe	Concrete	15"					Town Run	Yes	Yes	020700040901	1.38147430780886
147	TR140	39.196100000000	-78.190900000000	Pipe	Concrete	24"					Town Run	Yes	Yes	020700040901	1.78894809345812
148	TR141	39.196200000000	-78.190900000000	Pipe	Concrete	15"					Town Run	Yes	Yes	020700040901	1.51221755458711
149	TR148	39.197500000000	-78.192900000000	Pipe	Concrete		6'	6'			Town Run	Yes	Yes	020700040901	1.6211066650774
150	TR149	39.197700000000	-78.191000000000	Pipe	Concrete	30"					Town Run	Yes	Yes	020700040901	4.99468128858555

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estiamted_
151	TR150	39.197700000000	-78.190800000000	Pipe	Other	15"					Town Run	Yes	Yes	020700040901	1.40942250900382
152	TR151	39.197400000000	-78.190300000000	Pipe	Concrete	36"					Town Run	Yes	Yes	020700040901	2.90612253903748
153	TR152	39.196700000000	-78.189300000000	Pipe	Other	18"					Town Run	Yes	Yes	020700040901	2.72574135605823
154	TR153	39.183600000000	-78.165800000000	Other	Concrete		3'	3'			Town Run	Yes	Yes	020700040901	9.70190212109223
155	TR154	39.183700000000	-78.165800000000	Other	Concrete		3'	3'			Town Run	Yes	Yes	020700040901	15.7096264106388
156	TR155	39.183700000000	-78.165800000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	6.88507112762242E-02
157	TR156	39.183700000000	-78.166300000000	Other	Concrete		3'	3'			Town Run	Yes	Yes	020700040901	0.164215326539128
158	TR157	39.183700000000	-78.166200000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	6.41451748219476E-02
159	TR158	39.183800000000	-78.166100000000	Other	Concrete	36"					Town Run	Yes	Yes	020700040901	0.116057415953309
160	TR159	39.183700000000	-78.166400000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	0.205717151380358
161	TR160	39.183800000000	-78.166500000000	Other	Concrete		2'	4'			Town Run	Yes	Yes	020700040901	4.69009122035415
162	TR161	39.183800000000	-78.166800000000	Other	Concrete		2'	2'			Town Run	Yes	Yes	020700040901	0.471310964033628
163	TR162	39.184000000000	-78.166900000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.160485421661929
164	TR163	39.184100000000	-78.167000000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	4.10336423056159E-02
165	TR164	39.184000000000	-78.167000000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	4.31068006720586E-02
166	TR165	39.184000000000	-78.167100000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	6.94699664430714E-02
167	TR166	39.184100000000	-78.167200000000	Other	Concrete	4'	8'				Town Run	Yes	Yes	020700040901	3.95306135216593
168	TR167	39.184000000000	-78.167300000000	Other	Concrete		2'	8'			Town Run	Yes	Yes	020700040901	20.8788973828074
169	TR169	39.184200000000	-78.167300000000	Other	Grouted Riprap		2'	8'			Town Run	Yes	Yes	020700040901	19.7191552750979
170	TR168	39.184400000000	-78.168200000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.247005825624886
171	TR171	39.184600000000	-78.168600000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	1.98546535421771E-02
172	TR170	39.184500000000	-78.168600000000	Other	Concrete		2'	8'			Town Run	Yes	Yes	020700040901	0.713377618325939
173	TR174	39.184500000000	-78.168600000000	Pipe	Other	4"					Town Run	Yes	Yes	020700040901	0.01614733438567
174	TR175	39.184600000000	-78.168700000000	Other	Concrete		2'	6'			Town Run	Yes	Yes	020700040901	4.21648268190054
175	TR179	39.184400000000	-78.169500000000	Pipe	Other	"					Town Run	Yes	Yes	020700040901	2.70343075534596E-02
176	TR177	39.183600000000	-78.170000000000	Pipe	Other	6"					Town Run	Yes	Yes	020700040901	4.62035398629631E-02
177	TR178	39.184600000000	-78.170200000000	Other	Concrete						Town Run	Yes	Yes	020700040901	1.59201859933474
178	TR176	39.184700000000	-78.170300000000								Town Run	Yes	Yes	020700040901	60.644568814441
179	TRO	0.000000000000	0.000000000000	Pipe	Concrete	15"				Not a regulated outfall.	Town Run	Yes	Yes	020700040901	0.893879099662689
180	TR181	0.000000000000	0.000000000000	Pipe	Unknown						Town Run	Yes	Yes	020700040901	0.141118824952695
181	TR182	0.000000000000	0.000000000000	Pipe	Unknown						Town Run	Yes	Yes	020700040901	189.603462417491
182	TR182	0.000000000000	0.000000000000	Pipe	Concrete						Town Run	Yes	Yes	020700040901	189.603462417491
183	TR183	0.000000000000	0.000000000000							Not located in field. Delineated from GIS info.				020700040901	
184	TR184	0.000000000000	0.000000000000							Not located in field. Delineated from GIS.				020700040901	
185	TR185	0.000000000000	0.000000000000							Not located in the field. Delineated based on GIS				020700040901	
186	TR185	0.000000000000	0.000000000000											020700040901	

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estimated_
1	AC1	39.16750000000	-78.15430000000	Pipe	CMP	18"					Abrams Creek	Yes	Yes	020700040902	18.3330870602523
2	AC5	39.16840000000	-78.15830000000	Pipe	Other	18"					Abrams Creek	Yes	Yes	020700040902	7.14853461069664
3	AC6	39.16730000000	-78.15890000000	Pipe	Concrete	38 x 24!					Abrams Creek	Yes	Yes	020700040902	7.97739614998404
4	AC7	39.16720000000	-78.15900000000	Pipe	CMP	12					Abrams Creek	Yes	Yes	020700040902	1.42533294396259
5	AC8	39.16690000000	-78.15900000000	Pipe	CMP	18"				Outfall for wet pond. Inline stream.	Abrams Creek	Yes	Yes	020700040902	0.606292229059304
6	AC9	39.16660000000	-78.15920000000	Pipe	CMP	21"					Abrams Creek	Yes	Yes	020700040902	3.36760248237601
7	AC12	39.16630000000	-78.15940000000	Other	Concrete					Drop inlet could not locate outfall into stream	Abrams Creek	Yes	Yes	020700040902	0.558005696390543
8	AC14	39.16570000000	-78.15960000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.636114287619572
9	AC16	39.16450000000	-78.16020000000	Pipe	Concrete	24"					Abrams Creek	Yes	Yes	020700040902	14.8562444039031
10	AC17	39.16450000000	-78.16030000000	Pipe	CMP	36"					Abrams Creek	Yes	Yes	020700040902	10.6287741611139
11	AC15	39.16460000000	-78.16030000000	Pipe	Concrete	60					Abrams Creek	Yes	Yes	020700040902	18.1839954184506
12	AC14	39.16460000000	-78.16030000000	Pipe	Concrete	15					Abrams Creek	Yes	Yes	020700040902	0.636114287619572
13	AC20	39.16400000000	-78.16080000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.151633355290411
14	AC21	39.16380000000	-78.16110000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.115612539695503
15	AC22	39.16360000000	-78.16150000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.137704094545544
16	AC22	39.16350000000	-78.16160000000	Pipe	CMP	18"					Abrams Creek	Yes	Yes	020700040902	0.137704094545544
17	AC23	39.16350000000	-78.16160000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.525636338834166
18	AC24	39.16260000000	-78.16320000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	4.96559538690058
19	AC25	39.16240000000	-78.16430000000	Pipe	CMP	48"					Abrams Creek	Yes	Yes	020700040902	22.5012432700939
20	AC26	39.16290000000	-78.16530000000	Curb Cut	Concrete		3'	6"			Abrams Creek	Yes	Yes	020700040902	22.5512586814321
21	AC27	39.16310000000	-78.16560000000	Pipe	Concrete	60"					Abrams Creek	Yes	Yes	020700040902	85.6804715284653
22	AC45	39.16400000000	-78.16640000000	Pipe	Concrete	24"					Abrams Creek	Yes	Yes	020700040902	7.31814788918363
23	AC47	39.16390000000	-78.16680000000	Pipe	Concrete	15"					Abrams Creek	Yes	Yes	020700040902	0.536480712091713
24	AC46	39.16400000000	-78.16670000000	Pipe	Concrete	18"					Abrams Creek	Yes	Yes	020700040902	2.65918963197453
25	AC49	39.16480000000	-78.16890000000	Pipe	Concrete	12"					Abrams Creek	Yes	Yes	020700040902	0.92729984892364
26	AC51	39.16470000000	-78.17000000000	Pipe	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	3.21255848093938E-02
27	AC51	39.16470000000	-78.17030000000	Pipe	Other	6"				Roof drain	Abrams Creek	Yes	Yes	020700040902	3.21255848093938E-02
28	AC53	39.16470000000	-78.17030000000	Pipe	Other	4"					Abrams Creek	Yes	Yes	020700040902	3.93858442582114E-02
29	AC54	39.16460000000	-78.17060000000	Pipe	Other	8"					Abrams Creek	Yes	Yes	020700040902	0.116913029815461
30	AC55	39.16460000000	-78.17080000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	0.852420939537308
31	AC59	39.16500000000	-78.17200000000	Pipe	Concrete	36"					Abrams Creek	Yes	Yes	020700040902	7.55367433182378
32	AC59	39.16500000000	-78.17260000000	Pipe	Concrete	18"					Abrams Creek	Yes	Yes	020700040902	7.55367433182378
33	AC158	39.16480000000	-78.17610000000								Abrams Creek	Yes	Yes	020700040902	1.47682076131297
34	AC157	39.16440000000	-78.17780000000	Pipe							Abrams Creek	Yes	Yes	020700040902	1.89105936706258
35	AC156	39.16420000000	-78.17850000000								Abrams Creek	Yes	Yes	020700040902	8.0537280279997
36	AC155	39.16420000000	-78.17960000000								Abrams Creek	Yes	Yes	020700040902	3.95627677319865
37	AC154	39.16440000000	-78.18010000000								Abrams Creek	Yes	Yes	020700040902	11.9686932553953
38	AC71	39.17020000000	-78.18260000000	Other	Concrete					Curb inlet into Stream below	Abrams Creek	Yes	Yes	020700040902	0.504105440756224
39	AC76	39.17200000000	-78.18360000000	Pipe	Other	24"					Abrams Creek	Yes	Yes	020700040902	8.89818057246878
40	AC75	39.17180000000	-78.18360000000	Pipe	Other	15"					Abrams Creek	Yes	Yes	020700040902	0.770686691056888
41	AC2	39.16760000000	-78.15490000000	Pipe	CMP	18"					Abrams Creek	Yes	Yes	020700040902	7.10548843689292
42	AC3	39.16750000000	-78.15540000000	Curb Cut	Concrete		18	6			Abrams Creek	Yes	Yes	020700040902	0.767535407858058
43	AC4	39.16760000000	-78.15540000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	0.386705551543535
44	AC5	39.17080000000	-78.15660000000	Other	Concrete					Inlet at amphitheater at Park	Abrams Creek	Yes	Yes	020700040902	7.14853461069664
45	AC10	39.16650000000	-78.15870000000	Pipe	CMP	18"					Abrams Creek	Yes	Yes	020700040902	6.89393436354541
46	AC11	39.16590000000	-78.15890000000	Pipe	Concrete	24"					Abrams Creek	Yes	Yes	020700040902	5.14348126421565
47	AC13	39.16630000000	-78.15950000000	Curb Cut	Concrete		2	6"			Abrams Creek	Yes	Yes	020700040902	1.24257116282192
48	AC13	39.16620000000	-78.15950000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	1.24257116282192
49	AC18	39.16410000000	-78.16070000000	Pipe	Concrete	15"					Abrams Creek	Yes	Yes	020700040902	0.326611824245721

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estimated_
50	AC19	39.16420000000	-78.16060000000	Pipe	Concrete	15					Abrams Creek	Yes	Yes	020700040902	0.876013823588502
51	AC28	39.16330000000	-78.16580000000	Curb Cut	Concrete		3'	6"			Abrams Creek	Yes	Yes	020700040902	0.324165849157145
52	AC29	39.16360000000	-78.16640000000	Pipe	Concrete	15"				Side of culvert at Pleasant Valley Road	Abrams Creek	Yes	Yes	020700040902	10.5781822155192
53	AC29	39.16380000000	-78.16620000000	Pipe	Concrete	15"				At culvert under pleasant valley road	Abrams Creek	Yes	Yes	020700040902	10.5781822155192
54	AC30	39.16370000000	-78.16640000000	Other	Concrete	6"				Bridge scupper	Abrams Creek	Yes	Yes	020700040902	1.09872506462479E-02
55	AC31	39.16370000000	-78.16640000000	Other	Concrete	6"				Bridge scupper	Abrams Creek	Yes	Yes	020700040902	1.02685515355686E-02
56	AC32	39.16370000000	-78.16630000000	Other	Concrete	6"				Bridge scupper	Abrams Creek	Yes	Yes	020700040902	9.41789017191844E-03
57	AC33	39.16370000000	-78.16630000000	Other	Concrete	6"				Bridge scupper	Abrams Creek	Yes	Yes	020700040902	8.44653289292504E-03
58	AC34	39.16380000000	-78.16630000000	Other	Concrete	6"				Bridge scupper	Abrams Creek	Yes	Yes	020700040902	1.17259362543233E-02
59	AC35	39.16380000000	-78.16630000000	Other	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	0.018406233507053
60	AC36	39.16390000000	-78.16640000000	Other	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	8.95562553725821E-03
61	AC37	39.16390000000	-78.16640000000	Other	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	6.57115482779274E-03
62	AC38	39.16390000000	-78.16650000000	Other	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	7.2124949448762E-03
63	AC39	39.16380000000	-78.16650000000	Other	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	7.06018416394385E-03
64	AC40	39.16380000000	-78.16650000000	Other	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	8.80452843876427E-03
65	AC41	39.16380000000	-78.16650000000	Other	Concrete	6"					Abrams Creek	Yes	Yes	020700040902	8.28472787781651E-03
66	AC42	39.16380000000	-78.16660000000	Pipe	Concrete	36"					Abrams Creek	Yes	Yes	020700040902	6.72461810840014E-02
67	AC43	39.16380000000	-78.16650000000	Pipe	Concrete	15"					Abrams Creek	Yes	Yes	020700040902	0.18761256770415
68	AC44	39.16390000000	-78.16640000000	Pipe	Concrete	15"					Abrams Creek	Yes	Yes	020700040902	9.93770666273565E-02
69	AC47	39.16420000000	-78.16770000000	Pipe	Other	12"					Abrams Creek	Yes	Yes	020700040902	0.536480712091713
70	AC48	39.16430000000	-78.16800000000	Pipe	Concrete	6' x 4'					Abrams Creek	Yes	Yes	020700040902	6.48296063233411
71	AC50	39.16480000000	-78.16890000000	Pipe	Concrete	24"					Abrams Creek	Yes	Yes	020700040902	4.86895345189806
72	AC52	39.16470000000	-78.17020000000	Pipe	Concrete	15"					Abrams Creek	Yes	Yes	020700040902	1.91947786344223
73	AC56	39.16460000000	-78.17120000000	Pipe	Other	4"				Roof drain	Abrams Creek	Yes	Yes	020700040902	2.78302338049059E-02
74	AC56	39.16450000000	-78.17130000000	Pipe	Other	4"				Roof drain	Abrams Creek	Yes	Yes	020700040902	2.78302338049059E-02
75	AC58	39.16490000000	-78.17160000000	Pipe	Concrete	30"					Abrams Creek	Yes	Yes	020700040902	1.92818296262652
76	AC59	39.16470000000	-78.17170000000	Pipe	Concrete	42"					Abrams Creek	Yes	Yes	020700040902	7.55367433182378
77	AC60	39.16500000000	-78.17300000000	Pipe	Other	12"					Abrams Creek	Yes	Yes	020700040902	0.286995766582464
78	AC61	39.16330000000	-78.16240000000	Curb Cut	Concrete		3'	6"			Abrams Creek	Yes	Yes	020700040902	1.05803446488568
79	AC62	39.16300000000	-78.16260000000	Curb Cut	Concrete		3'	6"			Abrams Creek	Yes	Yes	020700040902	0.203286819044244
80	AC63	39.16300000000	-78.16280000000	Curb Cut	Concrete		3'	6"			Abrams Creek	Yes	Yes	020700040902	4.28826731900947E-02
81	AC64	39.16290000000	-78.16290000000	Curb Cut	Concrete		3'	6"			Abrams Creek	Yes	Yes	020700040902	0.0860982020233
82	AC65	39.16290000000	-78.16300000000	Curb Cut	Concrete		3'	6"			Abrams Creek	Yes	Yes	020700040902	0.23033025165506
83	AC64	39.16500000000	-78.17330000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.0860982020233
84	AC66	39.16500000000	-78.17380000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.4389950457915
85	AC67	39.16500000000	-78.17400000000	Curb Cut	Concrete		2'	6"			Abrams Creek	Yes	Yes	020700040902	0.853398490694399
86	AC68	39.16900000000	-78.18210000000	Curb Cut	Concrete		6'	6"			Abrams Creek	Yes	Yes	020700040902	4.16156334352798
87	AC69	39.16890000000	-78.18210000000	Pipe	Other	4"				Underdrain outfall for permeable pavers	Abrams Creek	Yes	Yes	020700040902	0.235028976700521
88	AC70	39.16910000000	-78.18150000000	Curb Cut	Natural		2'	2"			Abrams Creek	Yes	Yes	020700040902	0.27576609875967
89	AC70	39.17000000000	-78.18190000000	Pipe	Concrete	30"					Abrams Creek	Yes	Yes	020700040902	0.27576609875967
90	AC72	39.17040000000	-78.18270000000	Other	Concrete					Curb inlet into stream below	Abrams Creek	Yes	Yes	020700040902	0.317289125689952
91	AC73	39.17040000000	-78.18270000000	Pipe	Other	15"					Abrams Creek	Yes	Yes	020700040902	7.30084190487048E-02
92	AC73	39.17080000000	-78.18330000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	7.30084190487048E-02
93	AC74	39.17080000000	-78.18340000000	Pipe	Concrete	18"					Abrams Creek	Yes	Yes	020700040902	2.59194146574027
94	AC76	39.17310000000	-78.18430000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	8.89818057246878
95	AC77	39.17380000000	-78.18530000000	Pipe	Concrete	15"					Abrams Creek	Yes	Yes	020700040902	98.8163119591523
96	AC77	39.17430000000	-78.18690000000	Ditch	Natural						Abrams Creek	Yes	Yes	020700040902	98.8163119591523
97	AC78	39.17490000000	-78.18800000000	Pipe	CMP	24"					Abrams Creek	Yes	Yes	020700040902	0.440686297335793
98	AC79	39.17470000000	-78.18830000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	0.786474572386306

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estimated_
99	AC78	39.1768000000	-78.1934000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	0.440686297335793
100	AC79	39.1769000000	-78.1938000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	0.786474572386306
101	AC80	39.1774000000	-78.1951000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	1.90085938784824
102	AC81	39.1776000000	-78.1953000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	1.1697671623468
103	AC82	39.1781000000	-78.1957000000	Pipe	Concrete	24"					Abrams Creek	Yes	Yes	020700040902	10.9110403709579
104	AC84	39.1790000000	-78.1980000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	30.6876794804618
105	AC83	39.1785000000	-78.1972000000	Pipe	Other	6"					Abrams Creek	Yes	Yes	020700040902	1.28998379121924
106	AC85	39.1719000000	-78.1841000000	Pipe	CMP	18"					Abrams Creek	Yes	Yes	020700040902	0.664556974922268
107	AC86	39.1723000000	-78.1844000000	Pipe	Concrete	15"					Abrams Creek	Yes	Yes	020700040902	3.99429022062561
108	AC87	39.1726000000	-78.1846000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	0.655394503794112
109	AC88	39.1730000000	-78.1851000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	14.2683569601159
110	AC89	39.1739000000	-78.1870000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	0.671572120789138
111	AC90	39.1644000000	-78.1825000000	Other	Concrete		4'	4'			Abrams Creek	Yes	Yes	020700040902	1.4800564666403
112	AC91	39.1644000000	-78.1824000000	Other	Concrete		4'	4'			Abrams Creek	Yes	Yes	020700040902	0.420441672962314
113	AC92	39.1647000000	-78.1829000000	Other	Concrete		4'	4'			Abrams Creek	Yes	Yes	020700040902	1.84082891485358
114	AC93	39.1648000000	-78.1830000000	Other	Concrete		4'	4'			Abrams Creek	Yes	Yes	020700040902	3.7820204332799
115	AC94	39.1651000000	-78.1834000000	Other	Other	48"					Abrams Creek	Yes	Yes	020700040902	71.9533535704981
116	AC94	39.1657000000	-78.1832000000	Other	Concrete		4'	4'			Abrams Creek	Yes	Yes	020700040902	71.9533535704981
117	AC95	39.1665000000	-78.1831000000	Other	Concrete		4'	4'			Abrams Creek	Yes	Yes	020700040902	62.2900516972993
118	AC95	39.1670000000	-78.1828000000	Pipe	Other					Discharges into underground culvert from riser	Abrams Creek	Yes	Yes	020700040902	62.2900516972993
119	AC96	39.1768000000	-78.1895000000	Pipe	Other	15"					Abrams Creek	Yes	Yes	020700040902	1.5052166764487
120	AC97	39.1769000000	-78.1895000000	Pipe	CMP	15"					Abrams Creek	Yes	Yes	020700040902	13.1006769849395
121	AC98	39.1773000000	-78.1899000000	Pipe	Other	36"					Abrams Creek	Yes	Yes	020700040902	47.9532065509929
122	AC101	39.1626000000	-78.1619000000	Pipe	CMP	72"					Abrams Creek	Yes	Yes	020700040902	7.74448992318177
123	AC150	39.1645000000	-78.1809000000	Other		4"					Abrams Creek	Yes	Yes	020700040902	0.737894834677753
124	AC151	39.1645000000	-78.1809000000	Pipe	Other						Abrams Creek	Yes	Yes	020700040902	0.737663452197583
125	AC152	39.1637000000	-78.1807000000	Pipe		48"					Abrams Creek	Yes	Yes	020700040902	6.1586817926597
126	AC153	39.1644000000	-78.1805000000								Abrams Creek	Yes	Yes	020700040902	39.0612150838457
127	AC154	39.1643000000	-78.1800000000	Ditch	Natural						Abrams Creek	Yes	Yes	020700040902	11.9686932553953
128	AC157	39.1644000000	-78.1777000000							Outfall 7	Abrams Creek	Yes	Yes	020700040902	1.89105936706258
129	AC158	39.1648000000	-78.1768000000								Abrams Creek	Yes	Yes	020700040902	1.47682076131297
130	AC159	39.1647000000	-78.1759000000							Outfall 4	Abrams Creek	Yes	Yes	020700040902	0.671710708311332
131	AC159	39.1649000000	-78.1755000000								Abrams Creek	Yes	Yes	020700040902	0.671710708311332
132	AC160	39.1649000000	-78.1753000000								Abrams Creek	Yes	Yes	020700040902	92.4210474812173
133	AC99	39.1778000000	-78.1915000000								Abrams Creek	Yes	Yes	020700040902	66.0379847716151
134	AC100	39.1770000000	-78.1926000000	Ditch	Concrete		3	6"			Abrams Creek	Yes	Yes	020700040902	14.3483665324697
135	AC135	39.1644000000	-78.1824000000	Pipe						Approximate location based on GIS	Abrams Creek	Yes	Yes	020700040902	174.056290459517
136	AC136	39.1643000000	-78.1822000000	Pipe						Approximate location based on GIS	Abrams Creek	Yes	Yes	020700040902	0.971469044673651
137	AC137	39.1643000000	-78.1822000000	Pipe						Approximate location based on GIS	Abrams Creek	Yes	Yes	020700040902	75.6712655535848

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Length	Width	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estimated_
1	BLR21	39.15330000000	-78.18090000000	Pipe	Concrete	36"				Inflow into dry pond	Buffalo Lick Run	No	No	020700040901	108.740885605947
2	BLR20	39.15330000000	-78.18080000000	Pipe	Other	4"				Roof Drain	Buffalo Lick Run	No	No	020700040901	0.132012522217756
3	BLR18	39.15330000000	-78.17680000000	Pipe	Concrete	38 x 24					Buffalo Lick Run	No	No	020700040901	76.3168621428703
4	BLR14	39.15320000000	-78.17660000000	Pipe	Other	18"					Buffalo Lick Run	No	No	020700040901	1.81892340212186
5	BLR15	39.15310000000	-78.17640000000	Pipe	Concrete	21"					Buffalo Lick Run	No	No	020700040901	0.436555047203008
6	BLR3	39.14980000000	-78.17300000000	Pipe	CMP	36"					Buffalo Lick Run	No	No	020700040901	37.8575105107099
7	BLR4	39.14980000000	-78.17290000000	Pipe	Other	24"				Outfall for a temporary slope drain.	Buffalo Lick Run	No	No	020700040901	1.08152262115788
8	BLR1	39.14750000000	-78.16940000000	Ditch	Concrete	3'	3'	6"			Buffalo Lick Run	No	No	020700040901	30.9271745805017
9	BLR2	39.14800000000	-78.16930000000	Ditch	Other		10'	3'			Buffalo Lick Run	No	No	020700040901	25.6149692087004
10	BLR5	39.15170000000	-78.17550000000	Pipe	Other	18"				Outfall for dry pond	Buffalo Lick Run	No	No	020700040901	2.13860369450257
11	BLR6	39.15180000000	-78.17550000000	Pipe	Other	48"					Buffalo Lick Run	No	No	020700040901	1.81432797859988
12	BLR7	39.15180000000	-78.17560000000	Pipe	Other	18"				Outfall for dry pond BMP	Buffalo Lick Run	No	No	020700040901	1.24252018243779
13	BLR8	39.15180000000	-78.17570000000	Pipe	Concrete		4'	4'			Buffalo Lick Run	No	No	020700040901	0.595317639729003
14	BLR9	39.15180000000	-78.17570000000	Ditch	Other		4'	4'		Control structure for dry Pond facility	Buffalo Lick Run	No	No	020700040901	0.514694896410577
15	BLR10	39.15290000000	-78.17600000000	Curb Cut	Concrete		2'	6"			Buffalo Lick Run	No	No	020700040901	0.127348641889167
16	BLR11	39.15290000000	-78.17620000000	Pipe	Concrete	12"				In culvert under Pleasant Valley Drive	Buffalo Lick Run	No	No	020700040901	0.187312823057748
17	BLR12	39.15300000000	-78.17610000000	Pipe	Concrete	24"				Pipe located inside pleasant valley road culvert	Buffalo Lick Run	No	No	020700040901	7.29929172652423
18	BLR13	39.15310000000	-78.17630000000	Pipe	Concrete	12"				Inside culvert under pleasant valley	Buffalo Lick Run	No	No	020700040901	8.61605853404711
19	BLR16	39.15320000000	-78.17680000000	Pipe	Other	4"				Roof Drain	Buffalo Lick Run	No	No	020700040901	5.38315368640909E-02
20	BLR17	39.15320000000	-78.17680000000	Pipe	Other	4"				Roof Drain or drain from bioretention	Buffalo Lick Run	No	No	020700040901	0.213045577262989
21	BLR19	39.15320000000	-78.17680000000	Pipe	Other	4"				Drain for bioretention	Buffalo Lick Run	No	No	020700040901	0.110298261306306
22	BLR22	39.15380000000	-78.17890000000	Pipe	Concrete	18"				Inflow into dry pond	Buffalo Lick Run	No	No	020700040901	4.74989440086516
23	BLR23	39.15660000000	-78.17970000000	Pipe	Concrete	28 x 42				Inflow into dry pond	Buffalo Lick Run	No	No	020700040901	130.872798414796

OBJECTID	Unique_Ide	Latitude	Longitude	Point_of_D	Material	Diameter	Width	Length	Depth	Field_Note	Receiving_	Impaired	TMDL_Devel	HUC12	Estimated_
1	HR29	39.1410000000	-78.1907000000	Ditch	Concrete		5'				Hogue Run	No	No	020700040901	102.180733023591
2	HR31	39.1409000000	-78.1907000000	Pipe	CMP	15"				Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.332773433655738
3	HR38	39.1407000000	-78.1920000000	Pipe	Concrete	36"				Outside of Winchester Boundary	Hogue Run	No	No	020700040901	1.98481507812205E-02
4	HR27	39.1409000000	-78.1903000000	Ditch	Concrete		6'	4'		Pipe connected to concrete ditch. Remiss for in a ditch test at the outfall. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	33.7935319850913
5	HR25	39.1405000000	-78.1894000000	Pipe	Concrete	36"					Hogue Run	No	No	020700040901	10.0310171045011
6	HR18	39.1389000000	-78.1860000000	Pipe	Concrete	15"					Hogue Run	No	No	020700040901	0.414744685246967
7	HR16	39.1385000000	-78.1852000000	Curb Cut	Concrete		3'			Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.466956338896855
8	HR15	39.1385000000	-78.1851000000	Pipe	Concrete	15"					Hogue Run	No	No	020700040901	0.685647405948702
9	HR1	39.1307000000	-78.1832000000	Ditch	Concrete	N/A	4'	6"		Concrete ditch adjacent to culvert under 81. Outside of Winchester Boundary	Hogue Run	No	No	020700040901	5.56979487628887
10	HR2	39.1318000000	-78.1841000000	Pipe	Concrete	27"				27" RCP identified as SW-003 on tree property. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	29.2225688068728
11	HR4	39.1353000000	-78.1830000000	Pipe	Other	6"				6 inch PVC connected to a wet pond. Outside of Winchester Boundary	Hogue Run	No	No	020700040901	2.75441215272757
12	HR5	39.1361000000	-78.1829000000	Ditch	Natural		5'	2'		Identified as Trex outfall for SW FÇô 002. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	15.0413076423608
13	HR6	39.1362000000	-78.1828000000	Pipe	CMP	18"				CMP pipe upstream of Shawnee Rd culvert. Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.844734941746913
14	HR7	39.1365000000	-78.1826000000	Pipe	Other	4"				Roof drain. Outside of Winchester Boundary	Hogue Run	No	No	020700040901	4.16223240955644E-02
15	HR8	39.1366000000	-78.1825000000	Pipe	Other	4"				Roof drain. Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.133956878474378
16	HR9	39.1366000000	-78.1825000000	Pipe	Other	4"				Roof drain. Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.040915902784197
17	HR10	39.1367000000	-78.1827000000	Pipe	Other	2"				Roof drain. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	2.88721836271562E-02
18	HR11	39.1381000000	-78.1843000000	Curb Cut	Concrete		3.5'	6"			Hogue Run	No	No	020700040901	0.317731213522853
19	HR12	39.1380000000	-78.1845000000	Curb Cut	Concrete		3'	6"		Outside of Winchester Boundary	Hogue Run	No	No	020700040901	1.33234646514556
20	HR13	39.1382000000	-78.1846000000	Curb Cut	Concrete		4'	6"			Hogue Run	No	No	020700040901	0.53205626633306
21	HR14	39.1384000000	-78.1850000000	Pipe	Other	6"					Hogue Run	No	No	020700040901	0.205036804086764
22	HR17	39.1391000000	-78.1862000000	Pipe	Concrete	15"				Ditch located along railroad track.	Hogue Run	No	No	020700040901	1.82859358233884
23	HR19	39.1390000000	-78.1862000000	Ditch	Natural		5'	4'		Ditch located along railroad track. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	0.551500914769099
24	HR20	39.1391000000	-78.1864000000	Ditch	Natural		5'	2'		Ditch located along railroad track. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	36.753393070851
25	HR21	39.1393000000	-78.1864000000	Ditch	Natural		5'	4'		Ditch located along railroad track.	Hogue Run	No	No	020700040901	32.0341500052752
26	HR22	39.1394000000	-78.1867000000	Pipe	Other	4"				Roof Drain. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	9.92769758224015E-02
27	HR23	39.1396000000	-78.1871000000	Pipe	Concrete	15"				Outside of Winchester Boundary	Hogue Run	No	No	020700040901	4.23989753349977
28	HR24	39.1403000000	-78.1891000000	Pipe	Other	4"				4 inch PVC pipe capped off at three. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	9.67473832685583E-02
29	HR26	39.1405000000	-78.1896000000	Ditch	Natural		4'	2'		Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.39196507306179
30	HR28	39.1408000000	-78.1904000000	Ditch	Concrete	3'				Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	18.8409418047058
31	HR30	39.1409000000	-78.1912000000	Ditch	Concrete		6'	2"		Outside of Winchester Boundary	Hogue Run	No	No	020700040901	1.59111653872587
32	HR32	39.1409000000	-78.1912000000	Pipe	Other	4"				Roof Drain. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	3.07408355899173E-02
33	HR33	39.1409000000	-78.1912000000	Pipe	Other	4"				Roof Drain. Outside of Winchester Boundary.	Hogue Run	No	No	020700040901	4.14663937805135E-02
34	HR34	39.1409000000	-78.1918000000	Pipe	Concrete	15"					Hogue Run	No	No	020700040901	2.79668781869202
35	HR35	39.1408000000	-78.1918000000	Curb Cut			3'				Hogue Run	No	No	020700040901	0.1495673466211
36	HR36	39.1408000000	-78.1917000000	Pipe	Other	4"				Roof Drain.	Hogue Run	No	No	020700040901	2.46380542503535E-02
37	HR37	39.1407000000	-78.1917000000	Ditch	Concrete		3'	6"		Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.397139633797864
38	HR39	39.1407000000	-78.1921000000	Ditch	Concrete		3'	6"		Outside of Winchester Boundary	Hogue Run	No	No	020700040901	0.932799304268193

**Attachment 3. Letter from DEQ Confirming City Yards  
Facility Coverage Under the Virginia General Permit for  
Discharge of Stormwater from Industrial Activities**



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### VALLEY REGIONAL OFFICE

4411 Early Road, P.O. Box 3000, Harrisonburg, Virginia 22801

(540) 574-7800 Fax (540) 574-7878

[www.deq.virginia.gov](http://www.deq.virginia.gov)

Molly Joseph Ward  
Secretary of Natural Resources

David K. Paylor  
Director

Amy Thatcher Owens  
Regional Director

July 1, 2014

Perry Eisenach  
City of Winchester, Virginia  
15 North Cameron Street  
Winchester, VA 22601

RE: Coverage under the VPDES Industrial Stormwater General Permit  
Winchester Public Works Department City Yards, Registration No. VAR050822

Dear Mr. Eisenach:

We have reviewed your Registration Statement and have determined that stormwater discharges from the above facility are hereby covered under the referenced VPDES general permit. Your coverage under this permit is effective as of July 1, 2014. The enclosed copy of the general permit contains the applicable stormwater pollution prevention plan (SWPPP), sector specific requirements, monitoring requirements, and other conditions of coverage.

The general permit requires that you update your SWPPP within 90 days of your date of coverage under the permit to incorporate the SWPPP changes that the Department made for this permit reissuance. For this reissuance, all permit discharge monitoring is semi-annual (i.e., once per six months). Monitoring for your facility begins with the July 1, 2014 monitoring period.

Discharge Monitoring Reports (DMRs) for your monitoring type(s) and outfalls are included with the permit. Each DMR specifies the applicable monitoring parameters required by the permit. A DMR should be completed for each permitted outfall for each monitoring period. DMRs must be submitted to this office by January 10<sup>th</sup> and July 10<sup>th</sup> each year. The first DMR is due January 10, 2015 for the monitoring period of July 1, 2014 to December 31, 2014.

You are responsible for obtaining additional copies of the DMRs. (See the **e-DMR** note at the end of this letter). Note that Representative Outfall sampling and reporting is allowed for all monitoring types **except** Effluent Limitation Monitoring. See the permit Part I.A.2.f for details, and Part I.A.5 for instructions on submitting DMRs with representative outfalls.

Note that permittees with at least one industrial activity stormwater discharge through a regulated municipal separate storm sewer system (MS4) have to submit signed copies of DMRs to the MS4 operator at the same time as the reports are submitted to the Department. A spreadsheet listing the regulated MS4s and their addresses is on DEQ's web site at: <http://www.deq.virginia.gov/Programs/Water/StormwaterManagement/VSMPPPermits/MS4Permits.aspx> (at the bottom of the page).

The following discharge monitoring applies to your facility:

- Benchmark monitoring – Specific stormwater monitoring for your facility based on the industrial sectors that apply to your facility (see the enclosed DMR). Refer to the permit Part I.A.1.b for the benchmark monitoring requirements, and the sector specific sections for the benchmark monitoring applicable to your facility.
- Impaired Waters Monitoring – Waters With An Approved TMDL (other than PCBs or Chesapeake Bay) – Your facility has been identified as discharging the pollutant of concern to an impaired waterbody that has an approved Total Maximum Daily Load (TMDL) Wasteload Allocation. As such, you are required to modify your SWPPP to implement best management practices (BMPs) designed to meet the allocation in the TMDL (see the attached relevant pages from the TMDL and the attached TMDL Fact Sheet). The TMDL contains a specific wasteload allocation for your facility; therefore, you are required to monitor your stormwater discharges for the TMDL pollutant of concern (see the enclosed DMR). Refer to the permit Part I.A.1.c(3) for TMDL monitoring requirements, and permit Part I.B.7.a regarding TMDL requirements.
- Impaired Waters Monitoring – Chesapeake Bay TMDL – Special Monitoring For Facilities In The Chesapeake Bay Watershed – In response to EPA's Chesapeake Bay Total Maximum Daily Load (TMDL) (December 2010), all owners of facilities in the Chesapeake Bay watershed are required to monitor their stormwater discharges for total suspended solids (TSS), total nitrogen (TN), and total phosphorus (TP) to characterize the contributions from their facility's specific industrial sector for these parameters (see the enclosed DMR). After you are granted coverage under the permit, stormwater samples are to be collected during each of the first four monitoring periods (i.e., the first two years of permit coverage). Refer to the permit Part I.B.7.b for the specific Chesapeake Bay TMDL requirements. Also note that permit Part I.B.7.b(3) requires you to analyze the collected data and possibly develop a Chesapeake Bay TMDL Action Plan based on the results of the sampling. Please refer to the enclosed Errata Sheet for the correct equation to use for the Chesapeake Bay TMDL loading calculations.

Virginia's Phase I Chesapeake Bay Total Maximum Daily Load (TMDL) Watershed Implementation Plan (November 29, 2010), states that the wasteloads from any expansion of an existing permitted facility discharging stormwater in the Chesapeake Bay watershed cannot exceed the nutrient and sediment loadings that were discharged from the expanded portion of the land prior to the land being developed for the expanded industrial activity. For any industrial activity area expansions (i.e., construction activities, including clearing, grading and excavation activities) that commence on or after July 1, 2014 (the effective date of this permit), you must document in the SWPPP the information and calculations used to determine the nutrient and sediment loadings discharged from the expanded land area prior to the land being developed, and the measures and controls that were employed to meet the no net increase of stormwater nutrient and sediment load as a result of the expansion of the industrial activity. Any land disturbance that is not required to be permitted under the VPDES construction stormwater general permit regulation (9VAC25-880) is exempt from this requirement.

DEQ launched an electronic Discharge Monitoring Report (e-DMR) program that now allows you to submit your stormwater DMR data electronically. We hope that every permittee will sign up for e-DMR access when they receive their general permit coverage, but it is not mandatory at this time. Note that EPA is moving towards making electronic reporting a mandatory requirement nationwide, so this may become a requirement in the future. There are many benefits to both DEQ and the permittee when e-DMR is utilized for monitoring data submissions:

- 1) Fewer revisions of the data since the e-DMR program automatically flags omissions before the data is submitted;
- 2) Cost savings on postage, copying, and paper;
- 3) No concerns about using the most current DMR form – e-DMR refreshes the required parameters automatically when changes are needed;
- 4) Submittals can be made on a timelier basis;
- 5) e-DMR participants instantly receive a system-generated email notification/ documentation with the exact time and date of when the e-DMR was submitted; and
- 6) Electronic signatures from multiple people are allowed, and e-DMR can be accessed from multiple computer locations.

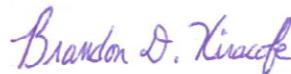
We ask that you apply for e-DMR participation now, although you may apply at any time. Our regional DMR administrator, Linda Ferguson-Davie (540-574-7806, [linda.ferguson-davie@deq.virginia.gov](mailto:linda.ferguson-davie@deq.virginia.gov)) can assist you. The following website provides details, training videos and Frequently Asked Questions:

<http://www.deq.virginia.gov/Programs/Water/PermittingCompliance/ElectronicDMRsubmissions.aspx>

This general permit will expire on June 30, 2019. The permit requires that you submit a new registration statement at least 60 days prior to that date if you wish continued coverage under the general permit, unless permission for a later date has been granted by the Board. Permission cannot be granted to submit the registration statement after the expiration date of the permit.

If you have any questions, please contact Olive Critzer at [olive.critzer@deq.virginia.gov](mailto:olive.critzer@deq.virginia.gov) or (540) 574-7877.

Sincerely,



Brandon D. Kiracofe  
Regional Water Permits & Compliance Manager

**Attachment 4. *SWPPP for Parks Maintenance Building in Jim Barnett Park***

# Stormwater Pollution Prevention Plan

**for:**

Winchester Parks and Recreation Maintenance Building  
1001 East Cork Street  
Winchester, VA 22601  
540-662-4946

## **SWPPP Contact(s):**

City of Winchester Parks and Recreation Department  
Lynn Miller, Director  
[Lynn.Miller@winchesterva.gov](mailto:Lynn.Miller@winchesterva.gov)

## **SWPPP Preparation Date:**

06/30/2017

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## SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION.

### 1.1 Facility Information.

#### Facility Information

Name of Facility: Winchester Parks and Recreation Maintenance Building

Street: 1001 East Cork Street

City: Winchester State: VA ZIP Code: 22601

County or Similar Subdivision: City of Winchester

#### Latitude/Longitude

Latitude:

39.1691° N (decimal degrees)

Longitude:

-78.1540° W (decimal degrees)

Method for determining latitude/longitude (check one):

USGS topographic map (specify scale: \_\_\_\_\_)  GPS

Other (please specify): City of Winchester Pictometry

Horizontal Reference Datum (check one):

NAD 27  NAD 83  WGS 84

Estimated area of industrial activity at site exposed to stormwater: 0.72 (acres)

#### Discharge Information

Does this facility discharge stormwater into a municipal separate storm sewer system

(MS4)?  Yes  No

If yes, name of MS4 operator: City of Winchester

Name(s) of surface water(s) that receive stormwater from your facility: Abrams Creek

Does this facility discharge industrial stormwater directly into any segment of an "impaired water" (see definition in 2015 MSGP, Appendix A)?  Yes  No

## 1.2 Contact Information/Responsible Parties.

### Facility Operator(s):

Name: [City of Winchester Parks and Recreation Department](#)  
Address: [1001 East Cork Street](#)  
City, State, Zip Code: [Winchester, VA 22601](#)  
Telephone Number: [\(540\) 662-4946](#)  
Fax number: [\(540\) 678-8791](#)

### Facility Owner(s):

Name: [City of Winchester Virginia](#)  
Address: [15 North Cameron Street](#)  
City, State, Zip Code: [Winchester, VA 22601](#)  
Telephone Number: [\(540\) 667-1815](#)

### SWPPP Contact(s):

SWPPP Contact Name (Primary): [Tommy Lambert, Parks Superintendent](#)  
Telephone number: [\(540\) 662-4946](#)  
Email address: [Thomas.Lambert@winchesterva.gov](mailto:Thomas.Lambert@winchesterva.gov)  
SWPPP Contact Name (Backup): [Lynn Miller, Parks Director](#)  
Telephone number: [\(540\) 662-4946](#)  
Email address: [Lynn.Miller@winchesterva.gov](mailto:Lynn.Miller@winchesterva.gov)

## 1.3 Stormwater Pollution Prevention Team.

Staff Names	Individual Responsibilities
<a href="#">Lynn Miller</a>	<a href="#">Parks Department Director</a>
<a href="#">Matt Little</a>	<a href="#">Parks Assistant Director</a>
<a href="#">Tommy Lambert</a>	<a href="#">Parks Superintendent</a>
<a href="#">Robert Brown</a>	<a href="#">Stormwater Engineer</a>
<a href="#">Kelly Henshaw</a>	<a href="#">City Engineer</a>
<a href="#">[Repeat as necessary]</a>	<a href="#">[Repeat as necessary]</a>

#### 1.4 *Site Description.*

The parks maintenance building area is located in the southwestern corner of Jim Barnett Park and borders Interstate 81 to the east. It is used for the storage and maintenance of a variety of grounds keeping equipment and vehicles. It also serves as a storage area for various chemicals, paints, fuels, and other potential pollutants used for park maintenance. In general, materials are stored indoors and machinery is stored outdoors with no cover. Maintenance also generally occurs indoors. There is no stormwater infrastructure in this area of the park, so all drainage is via overland sheet flow and natural swales.

This SWPPP applies only to the maintenance building and its surrounding parking areas.

#### 1.5 *General Location Map.*

The general location map for this facility can be found in Attachment A.

#### 1.6 *Site Map.*

The site map for this facility can be found in Attachment B.

### **SECTION 2: POTENTIAL POLLUTANT SOURCES.**

Section 2 will describe all areas at your facility where industrial materials or activities are exposed to stormwater or from which allowable non-stormwater discharges originate. Industrial materials or activities include, but are not limited to: material handling equipment or activities; industrial machinery; raw materials; industrial production and processes; and intermediate products, by-products, final products, and waste products. Material handling activities include, but are not limited to: the storage, loading and unloading, transportation, disposal or conveyance of any raw material, intermediate product, final product or waste product. For structures located in areas of industrial activity, you must be aware that the structures themselves are potential sources of pollutants. This could occur, for example, when metals such as aluminum or copper are leached from the structures as a result of acid rain.

For each area identified, the SWPPP must include industrial activities, potential pollutants, spills and leaks, unauthorized non-stormwater discharges, salt storage, stormwater sampling data and descriptions of control measures.

#### 2.1 *Potential Pollutants Associated with Industrial Activity.*

Industrial Activity	Associated Pollutants
Vehicle storage	Motor oil, anti-freeze, hydraulic fluid, hydrocarbons
Material storage	Fertilizer, salt, de-icer, herbicide, pesticide, paint
Fueling Facility	Hydrocarbons

## 2.2 Spills and Leaks.

### Areas of Site Where Potential Spills/Leaks Could Occur

Location	Discharge Points
Vehicle / Material Storage Area	Outfall #1
Maintenance Garage	"
Oil / Chemical Barrels	"
Parts Cleaning Station	"

### Description of Past Spills/Leaks

Date	Description	Discharge Points
Insert date of spill/leak	Insert description of spill/leak (where it occurred, what happened, types of pollutants, extent of damage)	Specify which discharge point(s) were affected
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]

## 2.3 Unauthorized Non-stormwater Discharges Documentation.

Description of this facility's unauthorized non-stormwater discharge evaluation:

- Date of evaluation: *Insert the date(s) of your evaluation.*
- Description of the evaluation criteria used: *Describe the method used to conduct the evaluation and determine which non-stormwater discharges are authorized or unauthorized.*
- List of the drainage points that were directly observed during the evaluation: *Insert drainage points observed.*
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), or documentation that a separate NPDES permit was obtained. For example, a floor drain was sealed, a sink drain was re-routed to the sanitary sewer or an NPDES permit application was submitted for an unauthorized cooling water discharge: *Describe actions taken to eliminate unauthorized non-stormwater discharges and the corresponding drainage point affected.*

## 2.4 Salt Storage.

Salt and other de-icing chemicals are stored in bags under cover

## 2.5 *Sampling Data Summary.*

No stormwater sampling has been done on the site.

## SECTION 3: STORMWATER CONTROL MEASURES.

### 3.1 *Non-numeric Technology-based Effluent Limits (BPT/BAT/BCT)*

You must comply with the following non-numeric effluent limits (except where otherwise specified in Part 8) as well as any sector-specific non-numeric effluent limits in Part 8.

#### **3.1.1 Minimize Exposure.**

Vehicle Maintenance – All vehicle maintenance takes place inside the garage buildings. Used motor oil is stored in a 275-gallon tank and used antifreeze is stored in a similar 200-gallon tank. Both of these tanks are above ground tanks surrounded by secondary containment areas. Both tanks are covered to minimize the amount of stormwater that might enter the containment areas.

#### **3.1.2 Good Housekeeping.**

Trash generated on-site is collected and in a lidded dumpster and collected weekly.

Waste oil and antifreeze tanks are visually inspected for leaks and spills regularly.

Used batteries are stored inside and collected as needed for recycling by the battery vendor.

#### **3.1.3 Maintenance.**

Vehicles stored on the Parks Maintenance site are to be given regular maintenance and inspected regularly for any fluid leaks.

Floor drains in the garages are to be kept clear and functioning at all times to prevent fluids from leaving the buildings.

Waste oil and antifreeze storage tanks are to be emptied on a monthly basis, or as needed, to prevent overfilling. Containment areas area around the tanks is to be monitored and cleaned out if fluids are present.

#### **3.1.4 Spill Prevention and Response.**

- Plainly label containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides") that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;\*

- Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the discharge of pollutants from these areas;
- Develop training and train all staff on procedures to quickly stop, contain and clean up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
- Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made; and
- Notify appropriate facility personnel when a leak, spill or other release occurs.

### Prevention

The used oil and antifreeze tanks are labeled with their contents and each is surrounded by a secondary containment area.

### Response

Dry cleanup methods are used; absorbents such as "Stay-Dri" are applied to spills. After the spill has been absorbed, the absorbent is swept up and placed in a storage drum to be recycled.

In the event that a spill occurs and sewage, industrial waste, other wastes or any noxious or deleterious substance discharges into or upon state waters in violation of Part II F; or a discharge may reasonably be expected to enter state waters in violation of Part II F, notify the Virginia DEQ of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the department within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the department under the immediate reporting requirements of other regulations are exempted from this requirement.

### Contacts:

DEQ Valley Regional Office  
Pollution Response Coordinator – Jennifer Welcher  
(540) 574-7800

Virginia Department of Emergency Management  
1-800-468-8892

### **3.1.5 Erosion and Sediment Controls.**

All areas of the site are stabilized, and no land disturbance activities are anticipated. If any construction occurs on site, erosion and sediment controls will be reviewed as part of the site plan approval process and implemented in accordance with the Virginia Erosion and Sediment Control Handbook.

### **3.1.6 Management of Runoff.**

Currently, there are no controls on site to reduce the amount of stormwater runoff beyond the maintenance of vegetated areas.

### **3.1.7 Salt Storage Piles or Piles Containing Salt.**

Salt is currently stored in the main building in individual bags.

### **3.1.8 Dust Generation and Vehicle Tracking of Industrial Materials.**

The gravel areas of the site are currently stable with low levels of dust. If dust becomes a problem, the gravel areas shall be sprayed with water or other approved non-toxic dust control material.

## **SECTION 4: SCHEDULES AND PROCEDURES.**

### **4.1 *Good Housekeeping.***

- Roll off dumpster shall be collected when full
- All liquid materials stored in drums shall be inspected for leaks whenever used or at least weekly
- Dry material stored in containers or bags shall be inspected for leaks when they are used or moved
- Flammable material shall be stored and inspected as required by OSHA, the Winchester Fire Marshall, or other applicable agencies

### **4.2 *Maintenance.***

- Any spill containment measures shall be inspected daily and emptied as needed
- Vehicles shall be inspected before each use for fluid leaks and repaired as needed

#### **4.3 Spill Prevention and Response Procedures.**

Listed under 3.1.4 above

#### **4.4 Erosion and Sediment Control.**

Listed under 3.1.5 above

#### **4.5 Employee Training.**

Employee training is covered under the City of Winchester's MS4 Program Plan

#### **4.6 Inspections and Assessments.**

##### **4.6.1 Routine Facility Inspections.**

Routine facility inspections shall be conducted at least quarterly. At least one routine facility inspection per year should occur while runoff is discharging from the site.

For routine facility inspections to be performed at your site, your SWPPP must include a description of the following:

1. **Person(s) or positions of person(s) responsible for inspection.** Park Superintendent, Stormwater Engineer, City Engineer
2. **Schedules for conducting inspections.** Routine facility inspections shall be conducted at least quarterly. At least one routine facility inspection per year should occur while runoff is discharging from the site.
3. **List areas where industrial materials or activities are exposed to stormwater.** Outdoor vehicle and equipment storage
4. **List areas identified in the SWPPP (section 1 of the SWPPP Template) and any others that are potential pollutant sources (see Part 5.2.3).** All outdoor storage areas; fueling area; areas around buildings where indoor spills may escape the building perimeter
5. **Areas where spills and leaks have occurred in the past 3 years.** No spills have been documented in the past three years

## **SECTION 5: SWPPP 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 gathered and evaluated 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.

Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

## SECTION 6: SWPPP MODIFICATIONS.

### Instructions (see 2015 MSGP Part 5.3):

Your SWPPP is a “living” document and is required to be modified and updated, as necessary, in response to corrective actions. See Part 4 of the 2015 MSGP.

- If you need to modify the SWPPP in response to a corrective action, then the certification statement in section 7 of this SWPPP template must be re-signed.
- For any other SWPPP modification, you should keep a log with a description of the modification, the name of the person making it, and the date and signature of that person.

## SWPPP ATTACHMENTS

Attach the following documentation to the SWPPP:

### ***Attachment A – General Location Map***

*Include a copy of your general location map in Attachment A.*

### ***Attachment B – Site Map***

*Include a copy of your site map(s) in Attachment B.*



**CITY OF WINCHESTER**  
**VIRGINIA**  
 PUBLIC SERVICES DEPARTMENT  
 15 N. CAMERON STREET  
 WINCHESTER, VA 22601  
 PHONE: 540-667-1815  
 FAX: 540-662-3351

**PARKS MAINTENANCE BUILDING  
 LOCATION MAP**

SCALE: DATE:  
 1"=500' 6/30/17

SHEET 1 OF 1

