

City of Hagerstown



NPDES PHASE II ANNUAL REPORT

June 2015 – July 2016



Prepared by:

City of Hagerstown
Department of Parks & Engineering
City Hall, Room 301
1 E. Franklin Street
Hagerstown, MD 21740

Introduction

As required by the National Pollutant Discharge Elimination System (NPDES) Phase II program, the City of Hagerstown has prepared this report to document the City's progress in implementing the six minimum control measures required by the NPDES General Permit. The six measures include:

- Public Education
- Public Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

The City continues to work on attaining these goals, and making progress in each target area. The following sections of the report document the status of the City's efforts, and lay out our plan for attaining our goals over the next year.

The City understands that a draft version of the new NPDES Phase II permit will be published by the end of the year. It is believed that the new permit will require the City to provide water quality management for impervious surfaces that do not currently have management. Once the permit is issued, the City will review the new requirements and determine what steps need to be taken to be in compliance. The City is already taking steps to prepare for these anticipated requirements.

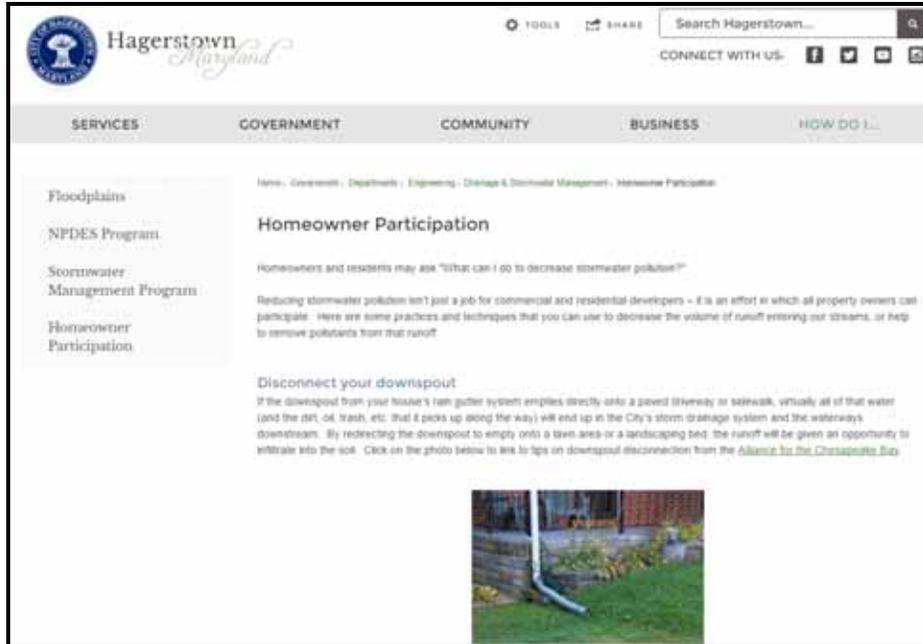
Public Education

As with many municipal government efforts, the success of the City's NPDES Stormwater Pollution Prevention Program depends upon the cooperation of our City residents. Educating and involving residents in the program is a key step in reducing stormwater pollution.

With the implementation of the "Environmental Site Design" (ESD) stormwater regulations, the public was made aware of the need to reduce pollutants during multiple City council meetings, and meetings with the Washington County Builders Association. There has also been continued public discussion of the Watershed Implementation Plan (WIP) process, and the efforts to meet the Chesapeake Bay TMDL goals; the Washington County "WIP Team" meetings are open to the public, and representatives from most of the small municipalities attend the meetings so that they can pass pertinent information on to their residents. With ESD's emphasis on small-scale treatment facilities (e.g. rain gardens, landscape infiltration, rain barrels, etc.) instead of larger, "regional" solutions, the new regulations have helped to focus residents on things that they can do on their own to reduce stormwater pollution.

One of the City's most successful ways to disseminate information to the general public is through the use of TV Channel 25, the City Government Channel. This Channel, a cooperative effort between the City and Antietam Cable Television, provides an effective means for the City to communicate information to the general viewing public (both City and Washington County residents). City Council meetings are televised live on Channel 25, as are press conferences and announcements of important events. The City's Public Information Office also produces video programs detailing City initiatives, upcoming City events, and other subjects. When live-action video programs are not running, a series of informative slides runs on Channel 25.

Another source of information on City programs is the City's internet web page (www.hagerstownmd.org). Under the "Engineering Department" section, visitors can find information on the City's Stormwater Management Program, and the requirements of the NPDES permit. There is also a "Homeowner Participation" page that list methods and techniques that private property owners to implement to help the City meet its NPDES goals. These techniques include rain gardens, rainwater harvesting, tree planting, lawn and garden maintenance, and other topics. The page also provides links to the webpages of other groups and agencies that have information on low impact design and environmental site design; those groups include the Alliance for the Chesapeake Bay, the Chesapeake Bay Foundation, the Chesapeake Bay Trust, the Center for Watershed Protection, and others. A screen shot of the Homeowner Participation page is shown below.



The new webpage format has allowed the City to take advantage of social media outlets to disseminate information to the public. The City has a YouTube channel where video presentations on current topics are hosted, and also maintains a Facebook page that is used to alert and educate followers about City policies and programs.

Another method of public education is to provide stormwater-related information in “high traffic” areas, or in areas where the setting matches the context of the information being presented. The City has installed interpretive signs at several locations to highlight stormwater management/stream restoration projects, and to provide information on the Antietam Creek watershed. These types of signs are often a requirement of the State and Federal agencies that help to fund improvement projects.



Bio-retention facility along multi-use trail at Memorial Blvd.



Valley Road stream restoration site adjacent to Fairgrounds Park



Kiwanis Park canoe/kayak launch



Kiwanis Park Butterfly Waystation

The City also holds an annual Earth Day event at University Plaza in downtown Hagerstown. Focused on elementary school students, it gives the City an opportunity to make them aware of environmental issues, and present ideas of how they can help to preserve and improve the world that they live in. Below are photos from the 2016 event, including Councilmember Lewis Metzner addressing a group of students.





Students learning about recycling and trash collection

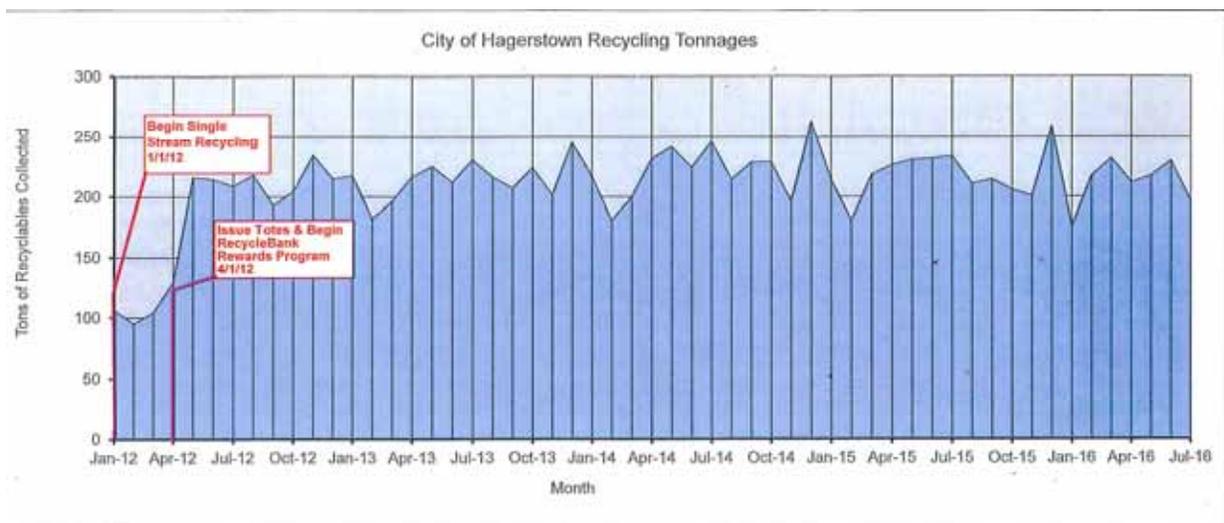


Teacher illustrating the value of recycling by showing students how long it takes for different materials to decompose on their own

Public Involvement

The second component of the Stormwater Pollution Prevention Program is to actively involve the public in hands-on projects that address the program's goals. By involving the public, the City is able to foster the idea that all residents are stakeholders in the prevention of pollution, and the protection of our natural resources.

The City's single-stream recycling program continues to be a tremendous success. As the chart below indicates, the average monthly tonnage of materials collected since inception of the new program has pretty consistently exceeded 200 tons, which is more than twice the recycling rate that the City saw before the inception of the recycling collection program in 2012.



In November 2014, the City also hosted its first Electronics Recycling event. Partnering with Waste Management, the City set up a collection area at Municipal Stadium. City residents were encouraged to bring their used computers, monitors, televisions, and other electric equipment for proper, free disposal, saving valuable landfill space and preventing potentially hazardous materials from entering our waterways. Over 45,000 pounds of electronic materials were collected at the event. Another Electronics Recycling event is scheduled for November 2016.

The City continues to sponsor a Bulk Trash pickup program. This program allows residents to call our Public Works department and schedule a pickup of large items (e.g. appliances, furniture, oversized trash items, etc.). While the City does charge a fee for this service, this call-based system has been found to work better than previous "Bulk Trash Pickup Week" programs when whole neighborhoods would set out bulky items for collection; trash and bulk items do not sit on sidewalks for days at a time, waiting for pickup. The City intends to continue this program indefinitely.

An increasing problem in the nation's waterways are the residual levels of prescription drugs and medications. When these materials are disposed of improperly, they can

enter our streams through wastewater treatment plant effluent discharges and runoff collected by storm sewer systems. The Hagerstown Police Department has installed a “Medication Drop-off Box” in the lobby of the Police station; residents are encouraged to deposit unneeded or expired medications in the box – no questions asked. By providing a safe mechanism to dispose of medications, the chance that they will have a negative impact on our waterways is reduced.



An exciting development in 2015 was the establishment of the City’s first Community Garden. This facility, adjacent to Bester Elementary School, contains twenty-six garden beds that residents are able to rent during the growing season. A Gardener’s Association was formed to manage the operation of the facility. Composting facilities have been incorporated into the design of the garden, and several of the beds were designed to meet the accessibility requirements of the Americans with Disabilities Act. The Association holds monthly meetings, and hosts seminars on a variety of gardening and renewable resource topics. Students from Bester Elementary helped to plant trees at the site, and the school is including the garden in its science and environment curriculum. Photos of the garden are shown below.



The City has remained active in planting Street Trees in all the neighborhoods around the City. Much of the funding for this program has come via grants from the Department of Natural Resources and the Chesapeake Bay Trust. The City identifies neighborhoods and streets that have poor tree canopy coverage, and then analyzes each street to identify potential locations for the installation of new trees. The City has also worked with the local Neighborhoods 1st groups to reach out to private property owners in these neighborhoods, and ask them if they would consider adding a tree on their own private property (if conditions did not allow a tree to be planted in the street right-of-way along their frontage). Since 2009, the City has planted more than 1,200 street trees using grants from CBT.

Ever since 2010, the City has provided materials and manpower to the Antietam-Conococheague Watershed Alliance (ACWA) to aid in their annual Stream Cleanup events. Working with Dave Biser, the founder and leader of ACWA, the City provides gloves, trash bags and receptacles, and other supplies that are used by volunteers during their events. The 2016 cleanup event was scheduled for September 10th. The City sees this partnership as a beneficial and needed method to both involve the public, and to restore the health of a stream that is already on the 303(d) list of impaired waters. The City plans to continue support this effort indefinitely. More information on ACWA can be found on their website: <http://www.acwamaryland.org/>



Illicit Discharge Detection & Elimination

One of the biggest challenges in complying with NPDES Phase II regulations is the development of an Illicit Discharge Detection & Elimination Program. The goal of this program is to detect and identify any illegal discharges of pollutants into the City's storm drainage system, and to develop a means to eliminate these discharges to minimize pollution of downstream receiving waters.

The City completed mapping of the surface water and storm drainage system in 2012, and has created a GIS database to share this information with other departments. While we are constantly updating the database with new information (an ongoing task, given that there are always "surprises" and new discoveries in a system that has existed for more than 150 years), the base mapping gives a good picture of how storm water runoff is collected and conveyed to the various discharge points around the City. A sample sheet from the GIS mapping is attached. It is hoped that the GIS can be used to model the transport of stormwater (and the pollutants that it carries) from any point in the City to its ultimate discharge point.

A continuing part of this component was for the City to inspect various storm drainage outfalls in an effort to detect any illegal or illicit discharges into the storm drainage system. The attached "Water Resources Map" depicts the major surface water features through the City, and also indicates the locations where there are eleven (11) "major" outfalls of a City storm drainage network into a receiving stream. Seven (7) of these outfalls were inspected in detail during June 2016. These outfalls were prioritized for inspection because (a) the watersheds that drain to them are densely developed, (b) there is little or no stormwater management in these watersheds (meaning pollutants are likely not being filtered out/removed prior to discharge), and (c) most of them discharge directly into a stream or body of water. There are a series of other outfalls throughout the City that are inspected periodically; however, most of them represent smaller, less developed neighborhoods, or the outfalls are downstream from stormwater management facilities that (hopefully) have provided some water quality management. The attached inspection reports describe the physical features of each outfall, and document the results of field observations at those locations. Aside from trash and debris at various locations, none of the inspected outfalls showed evidence of "illicit" discharges.

The City, through a grant from the Chesapeake Bay Trust and the Maryland Department of the Environment, has hired a consultant to perform a full watershed assessment of Hamilton Run. This assessment will include walking the entire length of the stream, and documenting areas where the stream is a candidate for restoration. The consultant has also been instructed to look at all of the various outfalls into the stream corridor, and to notify the City of any observed illicit discharges or signs of pollutant contamination. This assessment, which will result in a Watershed Action Plan for Hamilton Run, will be completed in early 2017.

The City has several methods to investigate and deal with illicit discharges. Within the public right-of-way, Chapter 216 of the City Code (<http://www.ecode360.com/9908267> "Streets and Sidewalks") contains regulations that prohibit the leakage of loads from vehicles, deposition of mud or other materials on a street or alley, placement or leaves or grass clippings in the right-of-way, and the discharge of water (other than roof drainage, surface runoff, or utility repair) into the right of way. The penalties for these offences include a Municipal Infraction Citation and a fine of \$100 - \$200.

On private property, Chapter 64, Article III of the City Code ("Property Maintenance") allows right-of-entry to Code Compliance inspectors to investigate "nuisances", and includes a citation procedure to compel the property owner to correct or abate any violations. Chapter 240 ("Water Pollution Control") also states that "...inspectors and other duly authorized employees of the City bearing proper credentials and identification shall be permitted to enter all properties at any reasonable time, to inspect users generally for compliance, to inspect and copy records and to require the installation of monitoring and sampling equipment." Staff from the Code Compliance, Engineering, Wastewater, and Public Works Departments identify and report illicit discharges to the office of the City Engineer.

The City enjoys a good working relationship with staff at Washington County and the Maryland State Highway Administration. When an issue arises where storm drainage facilities from one jurisdiction connect or discharge into a different jurisdiction, the involved entities contact each other to review the issue, and to determine which entity has the responsibility of correcting the situation.

The City received three (3) reports of illicit discharges during the reporting period:

1. A resident called to complain about oil and other fluids leaking from a vehicle in a parking area near Church Street. The caller described the vehicle was an older model in poor condition, and the resident thought that it might have been abandoned. The City's Code Enforcement inspectors visited the address the next day; the vehicle had been removed, but there was an oil stain on the pavement where the vehicle had been parked. Based upon some investigation, the Code inspectors determined that the car in question was not owned by any of the residents in that block; the owner may have been visiting someone in the neighborhood. The inspectors have periodically checked to see if the car has returned, but it has not been seen since the initial report.
2. An anonymous caller indicated that a local food truck operator was observed dumping a container of grease into a storm drainage inlet near City Hall. Engineering Department staff investigated, and questioned the operator. It was determined that the material was not grease or wash/wastewater; it was clean water that the operator uses to rinse utensils and cooking equipment. The truck was determined to have a proper greywater collection/containment system. The

operator was reminded that no greywater discharges were permitted into the storm drainage system.

3. Engineering Department inspectors received a report of the operator of a concrete delivery truck washing out the discharge chute on the shoulder of a paved street; the wash water was flowing along the gutter line into a storm drainage inlet. The truck was no longer at the location when the inspectors arrived, but the inspectors were able to determine which concrete company the truck belonged to. The company was contacted; the manager said that this incident went against their established policies for their truck drivers, and that driver in question would be questioned (and likely reprimanded). The manager stated that additional staff training would take place at the company to ensure that this incident would not be repeated in the future.



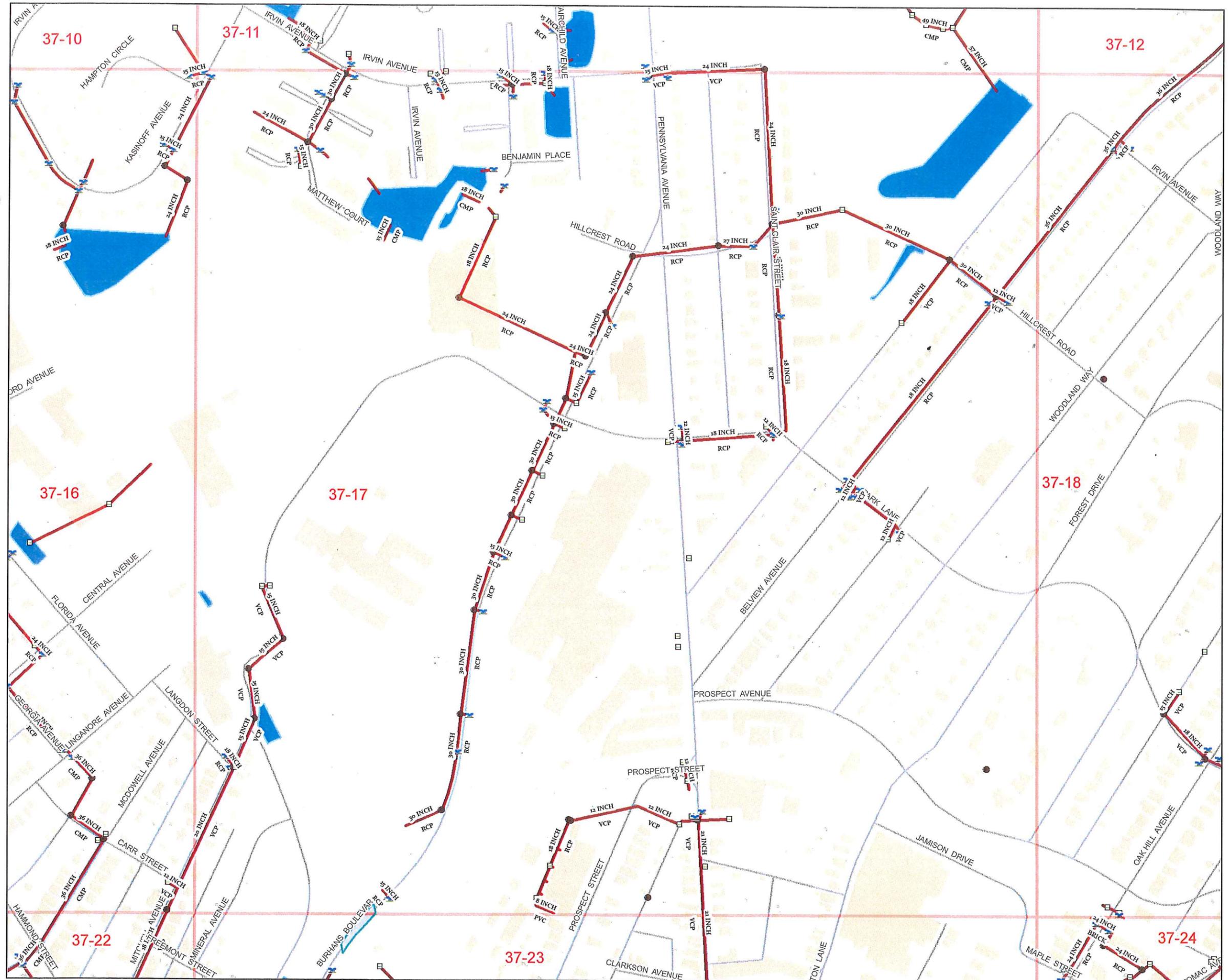
City of Hagerstown Stormwater Infrastructure

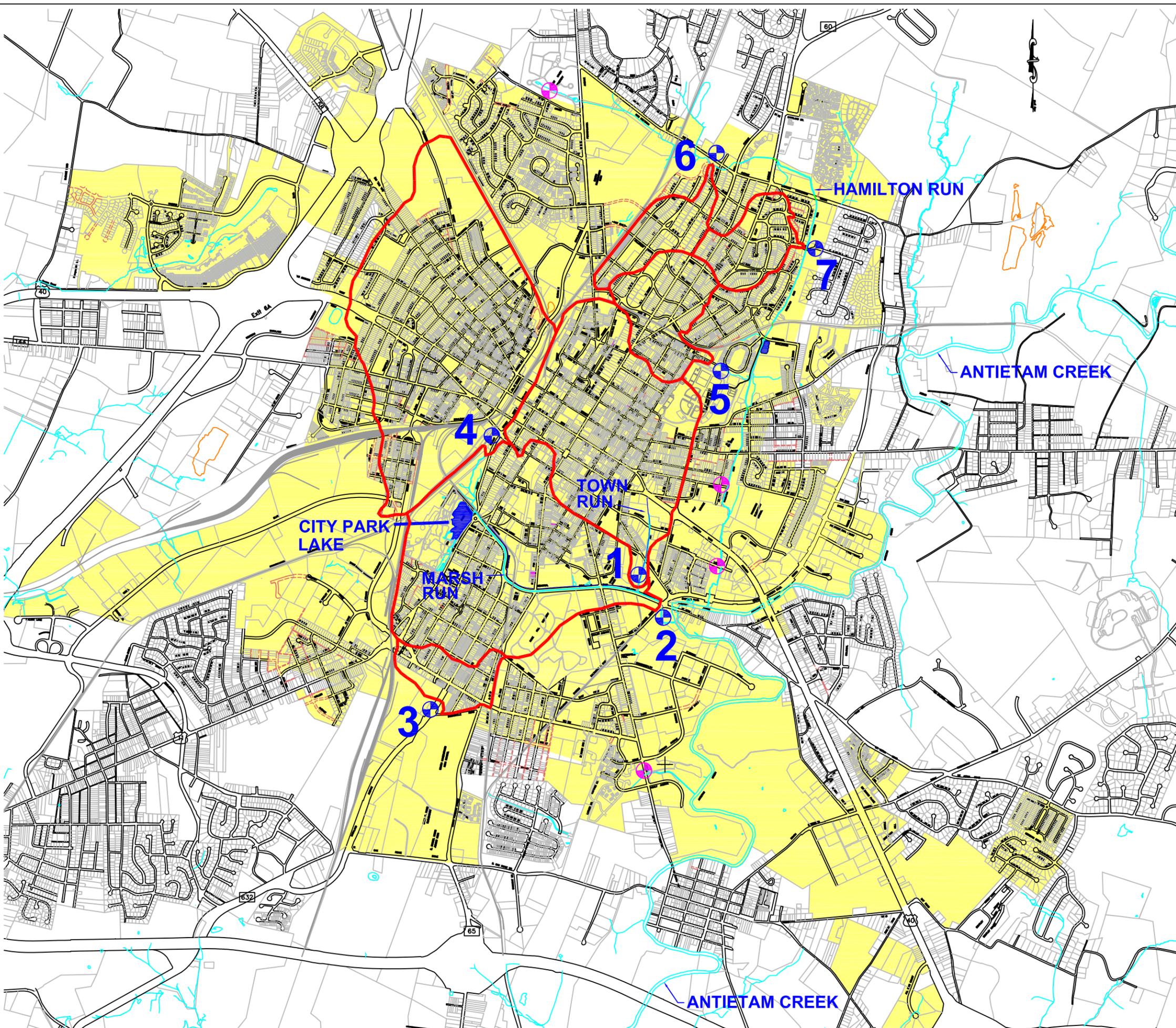
	Buildings
	Index Grid
	Corporate Boundary
	Curb Inlet
	Grate
	Grate MH
	Yard Inlet
	Manhole
	Outlet
Collection Line Subtype	
	Box Culvert
	Brick Arch Drain
	SD Pipe
	Open Channel
	Outfall
	Stream
	Stormwater Pond
	Bridge
	Streets

1:4000

37-10	37-11	37-12
37-16		37-18
37-22	37-23	37-24

Grid# 37-17





- 2016 OUTFALL INSPECTION LOCATIONS
 - 1 TOWN RUN
 - 2 MARSH RUN
 - 3 MARYLAND AVE. / DOWNSVILLE PIKE
 - 4 CITY PARK/ MAGGIE'S HOLE
 - 5 VALLEY ROAD
 - 6 NORTHERN AVENUE/AMERICAN LEGION
 - 7 MAGNOLIA AVENUE
- OTHER "MAJOR" OUTFALL LOCATIONS
- City Corporate Boundaries
- Outfall watershed boundaries

NOTES: Digital Base - PSD

CITY OF HAGERSTOWN, MARYLAND ENGINEERING DEPARTMENT	
LOCATION City of Hagerstown	
TITLE WATER RESOURCE MAP NPDES PHASE II	
DRAWN BY T. Williams	DATE
REVISION	DATE
SCALES: HORIZ: 1" = 1000'	VERTICAL:
APPROVED:	FILE NUMBER
DATE	73-102-01
BY: [Signature]	

Outfall Name: Town Run

Location: Municipal Stadium, just upstream from junction with Marsh Run
NAD 83 Coordinates: N 716,634 E 1,111,337



Description: At this location Town Run is contained in a manmade channel; it is essentially the downstream end of the City's storm drainage system that serves the downtown area (and neighborhoods to the northeast). There is often a trickle of base flow in the channel, which is attributed to groundwater entering the storm drainage system at some point upstream. Because this channel receives the bulk of the runoff from the downtown section of the City, storm flow volumes and velocities at this location are high.

Observations: Outfall was inspected in the morning of June 14, 2016. The ambient temperature was in the mid-70's, and the weather was mostly sunny. The last measurable rainfall event was on June 5th, when approximately 0.70 inches of rain was recorded.

There no odors were detected, and there weren't any signs of pollutant damage to vegetation adjacent to the channel. The water in the channel appeared clear. Some trash and litter were observed near the downstream end of the channel, where it meets the stream (known locally as Marsh Run) that flows eastward to discharge into Antietam Creek.

Outfall Name: Marsh Run

Outfall Location: Eastern Blvd. & Memorial Blvd., just upstream from Antietam Creek.

NAD 83 Coordinates: N 716,134 E 1,112,127



(Note – photo was from the 2014-2015 inspection cycle)

Description: This is the downstream end of the box culvert Eastern Blvd. that is the discharge point for the combined Marsh Run/Town Run drainage system; the Town Run observation point is approximately 800' upstream from this location. Discharges from this culvert, which is adjacent to the former Municipal Electric Light Plant (MELP) facility, flow through an open stream channel to join Antietam Creek. There is perennial base flow at this location from the Marsh Run leg, which collects runoff the City Park area and the western portion of the City.

Observations: Outfall was inspected on the morning of June 14th; weather was mostly sunny, and temperatures were in the mid-70's. The last previous precipitation event was approximately 0.70 inches of rain on June 5th. Base flow at outfall was approximately 12.0' wide and 0.67' deep. Water appeared clear, with no obvious signs of pollutants or contaminants. As observed in the past few annual reports, there was a considerable amount of trash and debris at this location; this will likely be a continuing issue given the upstream urban watershed. The adjacent MELP plant is in the process of being demolished; an extensive erosion and sediment control plan has been established to prevent sediment-laden runoff from reaching the stream.

Outfall Name: Maryland Avenue/Downsville Pike

Outfall Location: Maryland Avenue, near its intersection with Downsville Road, adjacent to South End Shopping Center and South Hagerstown High School
NAD 83 Coordinates: N 714,037 E 1,106,220



Description: This outfall consists of two CMP's that discharge into a concrete-lined open channel (shown above, approximately 50' downstream of culverts); the channel then discharges into a closed system that runs under the South High football field. This outfall is the discharge point for the storm drainage system that collects runoff from the Virginia Avenue/ Wilson Blvd. area on the south side of Hagerstown; the outfall pipes are undersized given both the size of the contributing drainage area and the size of the drainage pipes upstream. This channel also receives runoff from the parking lots at the adjacent South End Shopping Center, which have no stormwater management controls. Discharges at this point flow downstream through the South Hagerstown High School property, under MD Route 65, and eventually into the Antietam Creek near Funkstown.

Observations: Outfall was inspected on the morning of June 15th. Weather was partly cloudy, with temperatures in the low 70's. Rain was forecast for later in the afternoon. The last previous rain was approximately 0.70 inches on June 5th. No base flow at the outfall; some trash and debris, but no sign of illicit discharges upstream.

Outfall Name: City Park/Maggie's Hole

Outfall Location: City Park, near the Antietam Street/Walnut Street intersection
NAD 83 Coordinates: N 720,477 E 1,107,554



Description: Outfall consists of a 12' x 5.5' box culvert at the railroad tracks that discharges into an open channel. This outfall is the discharge point for the extensive storm drainage system that collects and conveys runoff from the west end of Hagerstown. Discharges flow downstream through City Park, are conveyed along Memorial Blvd. through a collection of open channels and box culverts, and join the Town Run discharges near the MELP facility.

Observations: Outfall was inspected on June 15th. Weather was partly cloudy, and temperatures were in the low 70's. Last previous precipitation event was approximately 0.70 inches of rain on June 5th. Base flow at this outfall was measured to be 5.0' wide and approximately 1/4" deep. No odors or other signs of pollutants or illicit discharges; trash and debris along the stream banks.

Outfall Name: Valley Road

Outfall Location: Fairgrounds Park/American Little League field
NAD 83 Coordinates: N 722,569 E 1,113,474



Description: This outfall is the discharge point for the section of the City's storm drainage system serving the neighborhoods north and east of Fairgrounds Park. The discharge point itself consists of a 48" diameter reinforced concrete pipe, which outlets into a channel with a series of very rough limestone outcroppings that serve to dissipate the energy of the runoff as it flows downstream. As mentioned previously, this channel leads to a section of "stream" that was restored as part of the Valley Road Stream Restoration project, and then to Hamilton Run approximately 800' downstream from the outfall.

Observations: Outfall was inspected late in the morning on June 15th. Weather was partly cloudy, and the temperature was in the upper 70's. The last previous precipitation event was approximately 0.70 inches of rainfall on June 5th. A trickle of base flow was observed, but the water appeared to be clean; no visual signs of pollutants or odors.

Outfall Name: American Legion/Northern Avenue

Outfall Location: Northern Avenue on the east side of the American Legion Property
NAD 83 Coordinates: N 727,837 E 1,113,338



Description: This outfall is the discharge point for the section of the City's storm drainage system serving the Belview Avenue/Woodland Way neighborhood in the north end of Hagerstown. The discharge point itself consists of a 48" diameter CMP, which outlets directly into Hamilton Run. The alignment of the pipe at the discharge point has led to severe erosion of the adjoining streambanks; the City is preparing plans for a stream stabilization/restoration project at this location. The Belview neighborhood is known to have a high groundwater table; consequently, there is often base flow being discharged from the pipe.

Observations: Outfall was inspected late in the morning on June 15th. Weather was partly cloudy, and the temperature was near 80 degrees. The last previous precipitation event was approximately 0.70 inches of rainfall on June 5th. There was approximately 2" depth of flow being discharged from the pipe, but it appeared to be clean and clear (likely groundwater). No sign of pollutants at the discharge point, but evidence of significant erosion. Observed minnows and a turtle at the scour hole immediately below the discharge pipe.

Outfall Name: Magnolia Avenue

Outfall Location: Magnolia Avenue culverts at Hamilton Run
NAD 83 Coordinates: N 725,603 E 1,115,807



Description: This outfall is the discharge point for storm drainage from the Potomac Heights/Calvert Terrace neighborhood in the City's north end. There are actually few storm drains in the neighborhood; runoff is conveyed in the gutter lines along the various streets until they intersect with Magnolia Avenue; a 36" RCP storm sewer trunk line then conveys this runoff to Hamilton Run. This site is problematic for the City's Public Works Department, as the multiple culverts that carry Hamilton Run under Magnolia Avenue are prone to clogging with debris; this often causes minor flooding of the roadway and adjoining properties.

Observations: Outfall was inspected June 15th. Weather was partly cloudy, and the temperature was approximately 80 degrees. The last previous precipitation event was approximately 0.70 inches of rainfall on June 5th. There was no base flow out of the 36". No evidence of pollutants, but one of the culvert pipes under the roadway appears to be partially clogged with a tree trunk. A significant amount of debris upstream from the crossing, probably from the stream flow being backed up at this location. Public Works was notified, and they were able to clear the obstruction from the culvert.

Construction Site Runoff Control

Construction site runoff is a significant threat to the quality of our streams and rivers. Uncontrolled runoff from construction sites allows mud and sediment to be transported onto adjoining properties, and into storm drains and drainage channels. Improper stabilization of disturbed areas leads to erosion and additional sediment pollution.

Chapter 209 of the Hagerstown City Code sets the requirements for erosion and sediment control for all projects in the City; the code can be viewed here: <http://www.ecode360.com/9907774> or by linking through the City's website www.hagerstownmd.org. The code states that any project disturbing more than 5,000 square feet of earth must prepare a soil erosion and sediment control plan. Chapter 209 was revised to comply with the 2011 regulations, and was adopted in 2012.

For projects in the City of Hagerstown, the soil erosion and sediment control plan must be reviewed and approved by the Washington County Conservation District before a grading permit or building permit is issued. Denise Price is the local SCS plan review officer.

The City Code also delegates enforcement of the soil erosion and sediment control plan to the Maryland Department of the Environment. After a plan is approved and a grading permit is issued, the contractor is required to schedule a pre-construction meeting with the MDE enforcement officer. The MDE officer then monitors the site periodically during construction to ensure that the contractor is complying with the requirements of the plan and the grading permit.

The City has enjoyed a good working relationship with the MDE enforcement staff. Whenever the City has brought erosion and sediment control complaints to the attention of MDE (e.g. mud being tracked onto streets, improper silt fence installation, etc.), the actions of the enforcement officer have been very timely and responsive. Given the accelerated pace of development around the City in the early part of this decade, the control of construction site runoff has become a critical element in the stormwater pollution prevention program. The City looks forward to continuing this working relationship with the Washington County Conservation District and MDE.

Post-Construction Runoff Control

Post-construction runoff control, or what most people refer to as “stormwater management”, is one of the most important elements in an overall pollution prevention program. As more and more farmland and open spaces are disturbed, and as more and more impervious surfaces are created, the quantity and quality of the runoff from these sites must be controlled to protect downstream properties and streams.

With the implementation of Environmental Site Design (ESD) regulations, developers must develop strategies to mimic pre-development hydrologic conditions from the earliest concept designs, and design their developments to minimize the impact on existing resources and drainage patterns. However, given challenging economic conditions, there has been limited commercial and residential development in the City over the past few years.

The City revised Chapter 213 of the City Code (the Stormwater Management Ordinance) to comply with these new regulations and, after receiving approval from MDE, moved to adopt the new ordinance; Chapter 213 can be viewed here: <http://www.ecode360.com/9907887> , or by clicking on the “City Code” link on the City’s website www.hagerstownmd.org .

In general, the Code requires all new projects to comply with the Maryland Department of the Environment’s Stormwater Act of 2007, and the implementation of the previously described ESD requirements.

As part of the ongoing Watershed Improvement Plan (WIP) and TMDL regulations, the City has considered the implementation of a Stormwater Utility to help finance the anticipated inspection and maintenance programs. The comprehensive mapping of the storm drainage system mentioned in the “Illicit Discharge Detection” section of the report, along with analyses of existing impervious coverage in the City, will be an important element in the development of any such Utility. However, at the City Council’s direction, implementation of the Utility will be deferred (at least) until a new NPDES permit is issued; with the new draft permit scheduled for release before the end of 2016, it is likely that renewed discussions about a Utility will occur in 2017.

An applicant wishing to perform a project in the City must submit a stormwater management report to the City Engineer for review and approval. The City Engineer and his staff review the report to ensure that the proposed design complies with the Code. The City requires that these stormwater reports are prepared by licensed engineers familiar with the principles and techniques of stormwater management. Upon approval of the plan, the City issues a stormwater management permit for the project; the City also requires the Applicant to enter into a Stormwater Management Maintenance Agreement with the City. Unlike Washington County and some other jurisdictions, the City does not take ownership of the stormwater management facilities after construction. The City also requires the Applicant to submit as-built plans of the facilities at the end of construction.

The City's Engineering Division staff maintains a database of permitted stormwater management facilities. All stormwater facilities in the database are inspected on a rotating, three-year schedule; however, our inspectors often perform unscheduled inspections of facilities throughout the year, and respond to problems (e.g. sinkholes, erosion, etc.) as they arise. If an issue is identified during an inspection, a "Deficiency Notice" is mailed to the owner of the facility; a copy of a typical notice is attached. The Inspector performs a follow-up inspection to ensure that the work has been completed, and issues second notices as necessary. Through the Stormwater Management Maintenance Agreement that each facility owner must execute, the City has the authority to abate any continued violations, and place a lien upon the property until the owner reimburses the City for the work. Information on all of the inspected facilities is submitted to MDE on a three year schedule; the last round of inspections was completed in 2014, and a copy of the database listing of all the inspected facilities is attached. The next round of inspections will take place in 2017.

As mentioned in last year's report, the City received a grant from the Chesapeake and Atlantic Coastal Bays Trust Fund to construct two stormwater management retrofit facilities to treat runoff from City-owned properties; more information on these facilities can be found in the "Pollution Prevention/Good Housekeeping" section of the report. The City also received a Watershed Assistance Grant from MDE/Chesapeake Bay Trust to prepare a Watershed Action Plan for the Hamilton Run watershed. The Action Plan will identify and prioritize potential stream stabilization and restoration projects for future construction.



CITY OF HAGERSTOWN, MARYLAND

Department of Parks and Engineering

08/27/14

[REDACTED]
[REDACTED]
Hagerstown, MD 21742

RE: Storm water Management Structure
Preventative Maintenance Inspection
Notice of Deficiencies

To Whom it May Concern:

During the development of property in the City of Hagerstown, owners agree to maintain all Storm water Management Structures constructed during the development.

Maryland State Law and the Code of the City of Hagerstown, Section 213.24 requires that the office of the City Engineer inspect all Storm water Management Structures in the City of Hagerstown. This inspection is completed on a tri-annual basis, and verifies the structure is operating as designed, does not pose any danger to the public health or safety, and is being maintained as agreed by the owner.

During our inspection of Storm Water Management Pond located at [REDACTED], our staff determined that the following conditions should be corrected by your forces:

- Remove trees / saplings growing within 25' of weir / outlet control structure

Kindly address these required maintenance items within by October 1, 2014. Failure to do so may result in penalties outlined in Section 213.29 of the City Code. We would be happy to meet with you on site to discuss these problems at your earliest convenience.

Sincerely,

CITY OF HAGERSTOWN

Zach Rawe
Engineer Technician II

Attachments: As applicable
c: Rodney Tissue
Inspection file

Parks and Recreation Division
351 North Cleveland Avenue • Hagerstown, MD 21740
Ph: 301.739.8577 Ext. 169 • Fax: 301.790.0171

Engineering Division
1 East Franklin Street • Hagerstown, MD 21740-4817
Ph: 301.739.8577 Ext. 125 • Fax: 301.733.2214

2014.SWM.Inspections

UNIQUE_ID	SEQ	NORTH83_M	EAST83_MT	DEVELOPMENT	ADDRESS	NUMB	ROAD_W	OWNER	STRU_TY	PREVIOUS_INS	INSPECT	STATUS	CURRENT_IN
SWMACTIONPRO	1	218429.33	336330.76	ACTION PRODUCTS	954 SWEENEY DR	954	SWEENEY DR	McELROY BENEDICT	OGS	10/21/2011	Z. Rawe	Satisfactory	7/31/2014
SWMAL1	2	219986.23	338109.12	ADKINS LUBE	120 W CHURCH ST	120	CHURCH ST W	ADKINS ORVILLE	IT	10/12/2011	Z. Rawe	Satisfactory	8/1/2014
SWMAAUTO	160	219133.1	338771.75	ADVANCED AUTO PARTS	CANNON AVE.	0	CANNON AVE.	B & P PROPERTIES	DP	10/18/2011	Z. Rawe	Satisfactory	8/2/2014
SWMADINC1	4	220518.37	338923.59	ADVERTISING INC	McCOMAS ST & POTOMAC AV	0	McCOMAS ST & P	REYNOLDS WILLIAM	IT	10/7/2011	Z. Rawe	Satisfactory	8/1/2014
SWMHGBSPK1	5	218331.29	336234.66	ALICES COUNTRY COTTAGE	1010 McCAULEY CT	1010	McCAULEY CT	BLACKMAN OLAF	IT	10/21/2011	Z. Rawe	Satisfactory	7/31/2014
SWMANTACADEMY1	0	216326.31	336936.7	ANTIETAM ACADEMY	40 WEST OAK RIDGE	40	OAK RIDGE WES	BOARD OF ED. WASHCO	SW	NEW	Z. Rawe	Satisfactory	7/18/2014
SWMANTACADEMY2	0	216372.24	336982.75	ANTIETAM ACADEMY	40 WEST OAK RIDGE DR.	40	OAK RIDGE W.	BOARD OF ED. OF WASHCO	DP	NEW	Z. Rawe	Satisfactory	7/18/2014
SWMANTACADEMY3	0	216342.22	336944.1	ANTIETAM ACADEMY	40 WEST OAK RIDGE DR.	40	OAK RIDGE W.	BOARD OF ED. OF WASHCO	BIO	NEW	Z. Rawe	Satisfactory	7/18/2014
SWMANTACADEMY4	0	216432.84	336998.11	ANTIETAM ACADEMY	40 WEST OAK RIDGE DR.	40	OAK RIDGE W.	BOARD OF ED. OF WASHCO	SF	NEW	Z. Rawe	Satisfactory	7/18/2014
SWMANTCAB1	6	217671.15	339244	ANTIETAM CABLE TV	1000 WILLOW CIR	1000	WILLOW CIR	NOT LISTED	DP	11/8/2011	Z. Rawe	Satisfactory	7/18/2014
SWMAPBEES1	8	218609.32	334964.56	APPLEBEES RESTAURANT	1481 WESEL BLVD	1481	WESEL BLVD	BOWMAN TODD	DP	10/17/2011	Z. Rawe	Deficiency	7/3/2014
SWMWACO3	128	220985.72	337669	ARC OF WASHINGTON COUN	820-840 FLORIDA AVE	830	FLORIDA AVE	ARC OF WASHINGTON COUNTY	IT	8/25/2011	Z. Rawe	Satisfactory	6/10/2014
SWMBBC1	9	218879.5	340508.5	BBC DEV & MGT	1175 PROFESSIONAL CT	1175	PROFESSIONAL	JOHNSON BOB	DP	10/12/2011	Z. Rawe	Satisfactory	7/4/2014
SWMBESTER1		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER10		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER11		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER2		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER3		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER4		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER5		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER6		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER7		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER8		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBESTER9		218634.08	338134.78	BESTER ELEMENTARY SCHO	385 MILL ST	385	MILL ST	WASCHO BOARD OF EDUCATION	BIO			Under Construction	
SWMBASSEM1	10	217345.72	338120.9	BETHEL ASSEMBLY OF GOD	515 E WILSON BLVD	515	WILSON BLVD E	HORST CLARENCE	DP	11/8/2011	Z. Rawe	Satisfactory	7/31/2014
SWMBONDAP1	11	218785.86	338968.47	BONDED APPLICATORS	301 S CLEVELAND AVE	301	CLEVELAND AVE	FRY ROBERT	DP	11/28/2011	Z. Rawe	Satisfactory	8/2/2014
SWMBRICKER	191	218904.55	335223.28	BRICKER ENTERPRISES	1280 WESEL BLVD	1280	WESEL	BRICKER ENTERPRISES	ITPE	10/10/2011	Z. Rawe	Satisfactory	4/30/2014
SWMBRMAN2	13	221413.7	337747.07	BRIGHTON MANOR	923-1096 KASINOF AVE	1009	KASINOF AVE	CREATIVE INVEST	DP	8/25/2011	Z. Rawe	Deficiency	7/3/2014
SWMBRMAN1	12	221653.49	337752.41	BRIGHTON MANOR	W IRVIN AVE & WAYNE AVE	0	IRVIN AVE W & W	STAMPER MILTON	DP	8/25/2011	Z. Rawe	Satisfactory	4/30/2014
SWMBRYCTR1	14	219747.47	338114.11	BRYAN CTR	49 W FRANKLIN ST	49	FRANKLIN ST W	BRYAN JIM	IT	11/2/2011	Z. Rawe	Satisfactory	7/14/2014
SWMBDCU1	16	218131.38	339894.08	BULLDOG FEDERAL CREDIT	1240 DUAL HWY	1240	DUAL HWY	VAN WYK BRUCE & DAVE BARRETT	IT	10/12/2011	Z. Rawe	Satisfactory	8/1/2014
SWMBPUSA	169	217672.37	338660.13	BURGER PARK USA	812 FREDERICK ST	812	FREDERICK ST	HOLLINGER RAYMOND	DW	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMBBP1	170	220028.4	337692.28	BURHANS BLVD PLAZA	N BURHANS BLVD & W FRANK	0	BURHANS BLVD	NOT LISTED	IT	10/10/2011	Z. Rawe	Deficiency	7/31/2014
SWMBBP2	18	220028.4	337692.28	BURHANS BLVD PLAZA	N BURHANS BLVD & W FRANK	0	BURHANS BLVD	NOT LISTED	IT	10/10/2011	Z. Rawe	Satisfactory	7/31/2014
SWMC&SPLAZA1	241	221712.14	336525.72	C & S PLAZA	1481 SALEM AVE	1481	SALEM AVE	REID GARY A & CINDY D	DP	4/12/2011	Z. Rawe	Satisfactory	6/9/2014
SWMC&SPLAZA2	242	221702.7	336571.48	C & S PLAZA	1481 SALEM AVE	1481	SALEM AVE	REID GARY A & CINDY D	DP	4/12/2011	Z. Rawe	Satisfactory	6/9/2014
SWMCMOFF1	96	217430.54	338914.98	C M OFFRAY PARKING LOT A	857 WILLOW CIR	857	WILLOW CIR	MONGAN SUE	IB	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMCGBCHURCH	164	220517.02	336894.93	CALVARY GRACE BRETHREN	WAKEFIELD RD	0	WAKEFIELD RD	CALVARY GRACE BRETHREN CHUR	DP	10/7/2011	Z. Rawe	Satisfactory	7/31/2014
SWMCASSH	19	219062.37	338255.5	CASH LLC	145-147 E BALTIMORE ST	146	BALTIMORE ST E	SWORD DARYL	IT	11/28/2011	Z. Rawe	Satisfactory	8/1/2014
SWMCASTRU	20	218646.37	337926.83	CASSIDY TRUCKING	441 S POTOMAC ST	441	POTOMAC ST S	CASSIDY ELAINE	OGS	11/28/2011	Z. Rawe	Satisfactory	8/1/2014
SWMCELL1	21	222122.31	338991.02	CELLULAR ONE	580 NORTHERN AVE	580	NORTHERN AVE	NORTHERN AVE REALTY ASSOCIAT	IT	8/25/2011	Z. Rawe	Satisfactory	7/3/2014
SWMCTRANT1	22	218444.33	339771.14	CENTRE AT ANTIETAM CREE	DUAL HWY & EASTERN BLVD	0	DUAL HWY & EA	HARRISON TIMOTHY	DP	4/25/2011	Z. Rawe	Deficiency	7/17/2014
SWMCTRHAG1	23	220894.05	335414.38	CENTRE AT HAGERSTOWN -	GARLAND GROH BLVD & US-4	0	GARLAND GROH	WASH REAL ESTATE INVEST TRUST	DP	10/6/2011	Z. Rawe	Deficiency	7/3/2014
SWMCHEVYCHASE4	165	218556.35	339780.91	CHEVY CHASE BANK	950 DUAL HIGHWAYS	950	DUAL HIGHWAY	CHEVY CHASE BANK	BIO	10/12/2011	Z. Rawe	Satisfactory	6/9/2014
SWMCRCHUR1	24	219847.04	338018.75	CHRIST REFORMED CHURCH	130 W FRANKLIN ST	130	FRANKLIN ST W	WINEBRENNER WAYNE	BIO	10/10/2011	Z. Rawe	Satisfactory	8/7/2014
SWMRCWTUB1	25	219999.08	338029.4	CITY WASH TUB	145 W CHURCH ST	145	CHURCH ST W	NOT LISTED	IT	10/12/2011	Z. Rawe	Satisfactory	8/1/2014
SWMUPGL1	26	217496.12	337498.69	CLASSIC UPHOLSTERY & GL	1008 S POTOMAC ST	1008	POTOMAC ST S	SHIPLEY JEFF	IT	11/2/2011	Z. Rawe	Satisfactory	8/1/2014
SWMUPGL2	200	217432.5	337522.36	CLASSIC UPHOLSTERY & GL	1008 S. POTOMAC ST	1008	S POTOMAC ST	SHIPLEY JEFF	IB	11/2/2011	Z. Rawe	Satisfactory	8/1/2014
SWMCLEVCOMM	248	218756.66	338950.42	CLEVELAND AVENUE COMM	305-329 S CLEVELAND AVENU	319	S CLEVELAND AVE		DP	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMCMW	167	218489.44	340295.36	CMW, LLC	CONRAD COURT	1171	CONRAD COURT	CMW, LLC	DP	10/12/2011	Z. Rawe	Deficiency	7/3/2014
SWMCOLLEGIATE	155	222797.35	335983.47	COLLEGIATE ACRES	MAUGANSVILLE RD	0	MAUGANSVILLE	BEAZER HOMES CORP., MARYLAND	ED	10/4/2011	Z. Rawe	Satisfactory	6/10/2014

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SWMEEFS	39	218719.4	340099.49	COMMUNITY RESCUE SERVI	100 EASTERN BLVD N	100	EASTERN BLVD	COMMUNITY RESCUE SERVICES, IN	DP	10/14/2011	Z. Rawe	Satisfactory	7/10/2014
SWMCOPY	28	220559.05	338832.07	COPY QUICK	710 OAK HILL AVE	710	OAK HILL AVE	SHANK RICHARD	DP	11/28/2011	Z. Rawe	Satisfactory	8/5/2014
SWMCP1	29	218959.73	338318.22	CORNER PUB PARKING LOT	208-210 FREDERICK ST	209	FREDERICK ST	SWORD VERNON	SW	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMCP2	171	218959.73	338318.22	CORNER PUB PARKING LOT	208-210 FREDERICK ST	209	FREDERICK ST	SWORD VERNON	SW	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMCRTMANPH2B	250	222018.76	340475.01	CORTLAND MANOR PHASE II	HAWKINS CIRCLE	0	CORTLAND DR	DAVID C. LYLES	WQ	10/5/2011	Z. Rawe	Deficiency	6/13/2014
SWMCRTMANPH2A	249	222338.24	340406.86	CORTLAND MANOR PHASE II	HAWKINS CIRCLE	0	CORTLAND DR	DAVID C. LYLES	WQ	10/5/2011		Under Construction	
SWMCRTMANPH3A	163	222057.59	340414.93	CORTLAND MANOR, PHASE I	MD RTE. 60	0	MD RTE. 60	CORTPARK, LLC. - BEN SHAOOL, ME	WQ+SF	3/10/2011	Z. Rawe	Satisfactory	7/3/2014
SWMCRTMANPH3B	162	221817.98	344411.99	CORTLAND MANOR, PHASE I	MD RTE. 60	0	MD RTE. 60	CORTPARK, LLC. - BEN SHAOOL, ME	WQ+SF	4/13/2011	Z. Rawe	Satisfactory	
SWMCRTMANPH3C	161	221730.78	340477.94	CORTLAND MANOR, PHASE I	MD RTE. 60	0	MD RTE. 60	CORTPARK, LLC. - BEN SHAOOL, ME	DP	4/12/2011	Z. Rawe	Satisfactory	
SWMWELD	30	218713.77	337688.7	COSS WELDING	400 W MEMORIAL BLVD	400	MEMORIAL BLVD	NOT LISTED	DP	12/6/2011	Z. Rawe	Satisfactory	7/21/2014
SWMCM	31	221312.82	338428.57	COUNTY MARKET	835 W HILLCREST RD	835	HILLCREST RD V	RIVELLINO TONY	IT	10/7/2011	Z. Rawe	Satisfactory	7/14/2014
SWMCVS	33	219276.61	338687.28	CVS PHARMACY	34 N CANNON AVE	34	CANNON AVE N	THOMASON BRAD	OGS	10/17/2011	Z. Rawe	Satisfactory	8/1/2014
SWMCVS2	251	221881.758	339784.54	CVS PHARMACY	1500 POTOMAC AVE	1500	POTOMAC AVE	F. B. HAGERSTOWN, LLC.	UGS	10/4/2011	Z. Rawe	Satisfactory	8/1/2014
SWMDEFNET	34	219570.16	339347.14	DEAFNET OF WASHINGTON C	551 JEFFERSON ST	551	JEFFERSON ST	BIBLE HAROLD	DP	10/18/2011	Z. Rawe	Satisfactory	7/31/2014
SWMDRFKLN1	149	220513.96	337952.54	DEERFIELD KNOLLS	PELETON STREET	0	PELETON STREET	REVERE DEVELOPMENT COMPANY	DP			Under Construction	
SWMDRFKLN2	150	220801.93	337925.02	DEERFIELD KNOLLS	PELETON STREET	0	PELETON STREET	REVERE DEVELOPMENT, LLC.	DP			Under Construction	
SWMDENNY1	35	216921.33	340445.55	DENNYS RESTAURANT	1630 DUAL HWY	1630	DUAL HWY	CNL FUND % ROBERT BORNE	UGS	11/8/2011	Z. Rawe	Satisfactory	7/30/2014
SWMDIAMOT	36	219299.04	338800.77	DIAMOND MOTORS	340 DUAL HWY	340	DUAL HWY	HAYNES JOHN	DP	10/18/2011	Z. Rawe	Satisfactory	7/31/2014
SWMDBMDWS	37	216818	337321.54	DOUB MEADOWS	1300 S POTOMAC ST	1300	POTOMAC ST S	NOT LISTED	DP	11/8/2011	Z. Rawe	Satisfactory	5/12/2014
SWMDFFH1	46	221516.19	340416.09	DOUGLAS A FIERY FUNERAL	1331 EASTERN BLVD N	1331	EASTERN BLVD	FIERY ROGER	UGS	11/28/2011	Z. Rawe	Satisfactory	7/31/2014
SWMDFFH2	173	221516.19	340416.09	DOUGLAS A FIERY FUNERAL	1331 EASTERN BLVD N	1331	EASTERN BLVD	FIERY ROGER	UGS	11/28/2011	Z. Rawe	Satisfactory	8/2/2014
SWMHODD	71	218651.52	338541.59	DR HOOD MEDICAL OFC	249 MILL ST	249	MILL ST	DR STEPHEN HOOD	DP	11/2/2011	Z. Rawe	Satisfactory	7/31/2014
SWMOPCRT	159	218754.42	340371.09	DR. WEISS, BECKER, SHUSTE	1141 OPAL COURT	1141	OPAL COURT	DR. WEISS, BECKER, SHUSTER & BU	WQ	11/30/2011	Z. Rawe	Satisfactory	7/3/2014
SWMEAKLES	38	220194.29	337776	EAKLE'S DRUG STORE	201 N BURHANS BLVD	201	BURHANS BLVD	NOT LISTED	DW	10/10/2011	Z. Rawe	Satisfactory	7/31/2014
SWMERDGTH1	182	218350.47	338985.68	EAST RIDGE	EASTERN BLVD & E RIDGE DR	0	E RIDGE DR	PEARL STEVE	DP	11/2/2011	Z. Rawe	Satisfactory	8/5/2014
SWMERDGTH2	148	218350.47	338985.68	EAST RIDGE	EASTERN BLVD & E RIDGE DR	0	EASTERN BLVD	PEARL STEVE	BIO+WQ	11/2/2011	Z. Rawe	Satisfactory	8/5/2014
SWMEDGHIL	41	216573.67	340607.79	EDGEWOOD HILLS CONDOS	1750 DUAL HWY	1750	DUAL HWY	NOT LISTED	DP	11/8/2011	Z. Rawe	Satisfactory	7/31/2014
SWMELECTROMET	243	217660.16	338847.01	ELECTROMET CORP.	871 COMMONWEALTH AVE	871	COMMONWEALT	NOT LISTED	IT	11/8/2011	Z. Rawe	Satisfactory	7/2/2014
SWMELGIN	194	219884.65	337015.4	ELGIN STATION COMMUNITY	40 ELGIN BLVD	40	ELGIN BLVD	CITY OF HAGERSTOWN	DP	10/10/2011	Z. Rawe	Satisfactory	7/4/2014
SWMEMANUNI	42	218131.27	337216.13	EMMANUEL UNITED METH CH	819 GUILFORD AVE	819	GUILFORD AVE	MONGAN NORMAN	DW	11/28/2011	Z. Rawe	Satisfactory	7/31/2014
SWMENGLPRK	43	216952.06	340639	ENGLEBROOK PARK TH	CHANTILLY CT & LANGLEY DR	0	CHANTILLY CT &	CHURCHEY WES	DP	11/8/2011	Z. Rawe	Satisfactory	7/4/2014
SWMFARCHLDHT	187	221848.96	338214.49	FAIRCHILD HEIGHTS	FAIRCHILD AVE	0	FAIRCHILD AVE	R & J BUILDERS	DP	10/5/2011	Z. Rawe	Deficiency	4/30/2014
SWMFARPRK	45	219685.79	339184.93	FAIRGROUNDS PARK	351 N CLEVELAND AVE	351	CLEVELAND AVE	CITY OF HAGERSTOWN DPW	ED	10/5/2011	Z. Rawe	Satisfactory	7/3/2014
SWMGATEWAY1	233	0	0	GATEWAY CROSSING		0		GATEWAY CROSSING HOUSING PAR	IT	11/28/2011	Z. Rawe	Satisfactory	7/31/2014
SWMGATEWYPH4	232	0	0	GATEWAY CROSSING PHASE IV		0		GATEWAY CROSSING HOUSING PAR	DP	10/10/2011	Z. Rawe	Satisfactory	7/31/2014
SWMGENBIND	48	219282.79	334493.7	GENERAL BINDING CORP	560 WESTERN MARYLAND PK	560	WESTERN MARY	MARTIN DEAN	DP	10/10/2011	Z. Rawe	Satisfactory	7/31/2014
SWMGOODHUMOR	156	216726.24	339053.17	GOOD HUMOR BREYERS ICE	1100 FREDERICK ST	1100	FREDERICK ST.	GOOD HUMOR BREYERS ICE CREAM	BIO	11/8/2011	Z. Rawe	Satisfactory	7/17/2014
SWMGOODHUMOR2	0	216726.24	339053.17	GOOD HUMOR BREYERS ICE	1100 FREDERICK ST	1100	FREDERICK ST.	GOOD HUMOR BREYERS ICE CREAM	BIO	11/8/2011	Z. Rawe	Satisfactory	7/17/2014
SWMGRBRTH	49	217918.02	337502.06	GRACE BRETHREN CHURCH	837 SPRUCE ST	837	SPRUCE ST	SMITH DAVID H	IT	11/28/2011	Z. Rawe	Satisfactory	7/31/2014
SWMGREPRK	50	216834.34	341977.73	GREENWICH PARK	1900 MERIDIAN DR	1900	MOUNT AETNA R	CHURCHEY WES	DP	11/9/2011	Z. Rawe	Satisfactory	7/18/2014
SWMHCPH1B	230	221118.82	335054.28	HAGERS CROSSING PHASE	HAGERS CROSSING DRIVE	0	HAGERS CROSS	FAIRMOUNT REAL ESTATE SERVICE	BIO	10/6/2011	Z. Rawe	Satisfactory	7/3/2014
SWMHCPH1A	195	221168.7	334767.23	HAGERS CROSSING PHASE I	HAGERS CROSSING DRIVE	0	HAGERS CROSS	FAIRMOUNT REAL ESTATE SERVICE	DP	10/6/2011	Z. Rawe	Satisfactory	4/30/2014
SWMHCPH2A	181	221340.87	334343.04	HAGERS CROSSING PHASE I	FALLING TIMBERS CIRCLE	0	FALLING TIMBER	FAIRMOUNT REAL ESTATE SERVICE	ED	10/6/2011	Z. Rawe	Satisfactory	7/4/2014
SWMHCPH3	147	221775.46	334762.88	HAGERS CROSSING PHASE I	HAGERS CROSSING DR.	0	HAGERS CROSS	FAIRMOUNT REAL ESTATE SERVICE	ED	10/4/2011	Z. Rawe	Satisfactory	6/14/2014
SWMHBCHURCH	55	219274.37	337705.17	HAGERSTOWN BIBLE CHURC	203 SUMMIT AVE	203	SUMMIT AVE	RICHARD SOWERS TRUSTEE	UGS	10/12/2011	Z. Rawe	Satisfactory	8/1/2014
SWMHAGBB1	175	217344.25	338733.13	HAGERSTOWN BOOKBINDING	952 FREDERICK ST	952	FREDERICK ST	SNYDER JOHN	DP	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMHAGBB2	51	217344.25	338733.13	HAGERSTOWN BOOKBINDING	952 FREDERICK ST	952	FREDERICK ST	SNYDER JOHN	DP	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMHGBSPK2	52	218309.51	336455.14	HAGERSTOWN BUS PK	900-925 SWEENEY DR	912	SWEENEY DR	MYERS LEROY	DP	10/21/2011	Z. Rawe	Satisfactory	7/24/2014
SWMHGBSPK3	53	218310.96	336413.08	HAGERSTOWN BUS PK	919 SWEENEY DR	919	SWEENEY DR	APRION	DP	12/6/2011	Z. Rawe	Satisfactory	6/14/2014
SWMHGBSPK5	54	218465.82	336486.46	HAGERSTOWN BUS PK	S BURHANS BLVD	0	BURHANS BLVD	CITY OF HAGERSTOWN DPW	ED	10/21/2011	Z. Rawe	Satisfactory	8/5/2014
SWMHAGCMCTR	56	215318.41	341126.5	HAGERSTOWN COMMERCE C	1935 DUAL HWY	1935	DUAL HWY	COHEN RANDY	DP	11/9/2011	Z. Rawe	Satisfactory	6/9/2014
SWMHAGCOMS	57	216664.14	340538.06	HAGERSTOWN COMMONS	DUAL HWY & EDGEWOOD DR	0	DUAL HWY & ED	McCLEARY DICK	ED	11/8/2011		Under Construction	

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SWMHFL	58	220892.16	340710.03	HAGERSTOWN FIBER & LIGH	551 EASTERN BLVD N	551	EASTERN BLVD	KAUFMANN ANDY	DP	11/8/2011	Z. Rawe	Satisfactory	7/31/2014
SWMHEART	197	216969.08	340117.94	HAGERSTOWN HEART FACIL	1733 HOWELL RD	1733	HOWELL RD	HAGERSTOWN HEART PROPERTIES	DP	11/8/2011	Z. Rawe	Satisfactory	7/24/2014
SWMICESPRT	59	219784.04	339401.15	HAGERSTOWN ICE & SPORT	580 SECURITY RD	580	SECURITY RD	CITY OF HAGERSTOWN DPW	ED	10/5/2011	Z. Rawe	Deficiency	5/5/2014
SWMHINDPK1	60	217921.52	339174.67	HAGERSTOWN IND PK	920 ELDRIDGE DR	920	ELDRIDGE DR	NOT LISTED	IT	11/8/2011	Z. Rawe	Satisfactory	8/2/2014
SWMHINDPK2	61	217913.61	339192.64	HAGERSTOWN IND PK	930 ELDRIDGE DR	930	ELDRIDGE DR	BAIR EMMERSON	IT	11/8/2011	Z. Rawe	Satisfactory	8/1/2014
SWMHAGPLZ1	153	221823.02	336080.16	HAGERSTOWN PLAZA	18053 GARLAND GROH BLVD	0	18053 GARLAND	UNIWEST GROUP, LLC.	WP	3/7/2011	Z. Rawe	Satisfactory	7/3/2014
SWMHAGPLZ2	154	221786.36	336072.01	HAGERSTOWN PLAZA	18053 GARLAND GROH BLVD	18053	GARLAND GROH	UNIWEST GROUP, LLC.	ED	3/7/2011	Z. Rawe	Satisfactory	6/9/2014
SWMHGRTRUST	237	218426.26	334752.07	HAGERSTOWN TRUST	1581 WESEL BLVD	1581	WESEL BLVD	STONERIDGE DEVEL CORP	DP	10/18/2011	Z. Rawe	Satisfactory	7/24/2014
SWMHTB1	103	216921.33	340445.55	HAGERSTOWN TRUST BANK	1630 DUAL HWY	1630	DUAL HWY	BOURNE BOB	UGS	11/8/2011	Z. Rawe	Satisfactory	8/1/2014
SWMHAMNIS	64	215359.64	341107.06	HAMILTON NISSAN	1929 DUAL HWY	1929	DUAL HWY	HAMILTON RICHARD	DP	11/9/2011	Z. Rawe	Satisfactory	7/24/2014
SWMHAMINN	65	216629.38	340583.31	HAMPTON INN	1716 DUAL HWY	1716	DUAL HWY	PREVIOUSLY - FALLING SPRING CO	UGS	11/8/2011	Z. Rawe	Deficiency	7/24/2014
SWMHLCHR	66	222295.03	338205.45	HAVEN LUTHERAN CHURCH	1035 HAVEN RD	1035	HAVEN RD	EVAN HAVEN	DP	8/11/2011	Z. Rawe	Satisfactory	4/30/2014
SWMHILLSIDES	234	220664.27	340682.98	HILLSIDE MANOR LLC	1004 BRILL WAY	1004	BRILL WAY	HILLSIDE MANOR LLC	DP	10/5/2011	Z. Rawe	Deficiency	6/13/2014
SWMHILLSIDEN	236	220741.67	340682.98	HILLSIDE MANOR LLC	1102 STAR DR	1102	STAR DR	HILLSIDE MANOR LLC	DP	10/5/2011	Z. Rawe	Satisfactory	6/13/2014
SWMHOFCAR1	176	216017.85	339530.91	HOFFMAN CAR DEALERSHIP	101 S EDGEWOOD DR	101	EDGEWOOD DR	ZAYAS EDISON	DP	11/8/2011	Z. Rawe	Satisfactory	7/24/2014
SWMHOLEXP	68	218201.09	333857.88	HOLIDAY INN EXPRESS	241 RAILWAY LN	241	RAILWAY LN	BOWMAN GROUP	DP+MP	3/2/2011	Z. Rawe	Deficiency	7/24/2014
SWMHOMFED	69	216656.11	340571.49	HOME FEDERAL BANK ADDN	1700 DUAL HWY	1700	DUAL HWY	NOT LISTED	IT	11/9/2011	Z. Rawe	Satisfactory	8/5/2014
SWMHOMADD	70	217255.61	338142.51	HOMELAND ADDITION	E WILSON BLVD	0	WILSON BLVD E	NOT LISTED	IT	11/8/2011	Z. Rawe	Satisfactory	7/31/2014
SWMHYDEPRK	72	222530.47	337361.21	HYDE PARK APTS	1435 KENSINGTON AVE	1435	KENSINGTON AV	SAY JOHN	DP	8/11/2011	Z. Rawe	Satisfactory	7/3/2014
SWMIBM1	177	216392.07	340688.86	IBM	1850 DUAL HWY	1850	DUAL HWY	HARRISON R L	DP	11/9/2011	Z. Rawe	Satisfactory	7/24/2014
SWMISPM1	174	220386.83	338562.92	ISP MINERAL (GAF CORP)	34 CHARLES ST	34	CHARLES ST	ISP MINERAL CORP	IT	11/28/2011	Z. Rawe	Satisfactory	8/2/2014
SWMISPM2	47	220386.83	338562.92	ISP MINERAL (GAF CORP)	34 CHARLES ST	34	CHARLES ST	ISP MINERAL CORP	IT	11/28/2011	Z. Rawe	Satisfactory	8/1/2014
SWMJDKITC	74	222058.55	339051.45	J & D KITCHENS	525 NORTHERN AVE	525	NORTHERN AVE	ABUUD DAHBURA/DOMINIC PERINI	IT	8/25/2011	Z. Rawe	Satisfactory	7/3/2014
SWMJIFFYLUBE		218354.68	334535.93	JIFFY LUBE	1648 WESEL BLVD	1648	WESEL BLVD	HAGERSTOWN PAD, LLC.	BIO		Z. Rawe	Satisfactory	7/14/2014
SWMJOEL	189	217685.71	337331.7	JOEL RICE	106 WEST WILSON BLVD	106	W WILSON BLVD	JOEL R. RICE	IT	11/2/2011	Z. Rawe	Satisfactory	8/2/2014
SWMJMNH1	75	218585.43	338331.58	JULIA MANOR NURSING HOM	333 MILL ST	333	MILL ST	PERINI PETER	IT+DP	11/8/2011	Z. Rawe	Satisfactory	7/3/2014
SWMJMNH2	178	218585.43	338331.58	JULIA MANOR NURSING HOM	333 MILL ST	333	MILL ST	PERINI PETER	IT+DP	11/8/2011	Z. Rawe	Satisfactory	7/3/2014
SWMKENAPTS	76	217311.02	338722.56	KENLY APTS & SHOP CTR	715 KNIGHTSBRIDGE RD	715	FREDERICK ST &	BROWN ALTON	IT+DP	11/8/2011	Z. Rawe	Satisfactory	7/3/2014
SWMKENSINGTON	192	218888.74	340144.23	KENSINGTON	151 EASTERN BLVD	151	EASTERN BLVD	KENSINGTON, LLC.	DP	10/12/2011	Z. Rawe	Deficiency	7/17/2014
SWMLARK	77	217887.07	339177.84	LARKIN WHOLESAL	929 ELDRIDGE DR	929	ELDRIDGE DR	HOUSE JR DAVID	SM	11/9/2011	Z. Rawe	Satisfactory	8/2/2014
SWMLWHPH1	183	0	0	LINWOOD HOLLOW	WOODLAKE DRIVE	0	WOODLAKE DR	POPLAR SQUARE, L.L.C.	ED		Z. Rawe	Satisfactory	8/5/2014
SWMLONDN	78	215908.4	341518.27	LONDONTOWNE	1840-1938 ABBY LN	1889	ABBY LN	SHEEDY DAN	DP	11/9/2011	Z. Rawe	Deficiency	8/5/2014
SWMONEILL	199	218712.59	338909.91	LORRAINE O'NEILL	225/227 N CLEVELAND	225	N CLEVELAND	LORRAINE O'NEILL	UGS	10/18/2011	Z. Rawe	Satisfactory	8/1/2014
SWMLOWES2A	245	217011.17	336589.15	LOWES - MD AVE	1227 MARYLAND AVE	1227	MARYLAND AVE	GROH VINCENT	DP	11/8/2011	Z. Rawe	Deficiency	8/13/2014
SWMLOWES2B	244	217172.96	336733.52	LOWES - MD AVE	1205 MARYLAND AVE	1205	MARYLAND AVE	GROH VINCENT	DP	11/8/2011	Z. Rawe	Deficiency	8/13/2014
SWMLOWESOLD	263	218451.39	335042.28	LOWES - OLD	1501 WESEL BLVD.	1501	WESEL BLVD	LOWES HOME CENTERS, INC.	DP	10/18/2011	Z. Rawe	Satisfactory	4/24/2014
SWMLOWESDIST	79	218627.13	336722.15	LOWES DISTRIBUTION CTR	990 WESEL BLVD	990	WESEL BLVD	LOWES HOME CENTERS, INC.	DP	11/8/2011	Z. Rawe	Satisfactory	8/1/2014
SWMLOWES1	231	218167.04	336737.19	LOWES REGIONAL DISTRIBU	914 S BURHANS BLVD	914	BURHANS BLVD	BOWMAN DEVELOPMENT - AGENT I	IT	11/1/2011	Z. Rawe	Satisfactory	8/2/2014
SWMLYLESCENTER	188	222512.84	340084.97	LYLES VENTURES BUILDING	12916 CONAMAR DR	12916	CONOMAR DR	LEITERSBURG PIKE, LLC	IT	10/4/2011	Z. Rawe	Satisfactory	6/13/2014
SWMMKSBUS	86	218719.4	340099.49	M K S BUS PK	100 EASTERN BLVD N	100	EASTERN BLVD	McCLEARY DICK	DP	10/21/2011	Z. Rawe	Satisfactory	7/3/2014
SWMMAACO	82	218610.85	340064.32	MAACO	1101 CONRAD CT	1101	CONRAD CT	KANDRICK RICHARD	DP	10/14/2011	Z. Rawe	Satisfactory	7/3/2014
SMWMILMED	85	218603.78	338540.35	MILL ST MEDICAL CTR	265 MILL ST	265	MILL ST	FEDDER, DAVIS DEV GROUP	IT	10/10/2011	Z. Rawe	Satisfactory	7/31/2014
SWMNWIN1	88	218665.18	335056.89	NATIONWIDE INSURANCE	1441 WESEL BLVD	1441	WESEL BLVD	DOUGLES WILLIAM	ED	10/17/2011	Z. Rawe	Satisfactory	7/24/2014
SWMNEEDY	89	217730.05	337542.63	NEEDYS FURNITURE	901 S POTOMAC ST	901	POTOMAC ST S	NEEDY DAVID	UGS	11/2/2011	Z. Rawe	Satisfactory	8/1/2014
SWMNOLANDVILAGE	235	218298.85	336026.96	NOLAN VILLAGE	1000 NOLAN DR	1000	NOLAND DR	CITY OF HAGERSTOWN DPW	IT	11/9/2011	Z. Rawe	Satisfactory	7/14/2014
SWMNOLND	90	218766.17	335197.66	NOLAND CO	1350 WESEL BLVD	1350	WESEL BLVD	NOLAND JR LLOYD	IT	10/10/2011	Z. Rawe	Satisfactory	7/14/2014
SWMNORMOR	91	216693.42	336521.04	NORMAN MORGAN	1246 MARYLAND AVE	1246	MARYLAND AVE	MORGAN NORMAN	IT	11/8/2011	Z. Rawe	Satisfactory	7/15/2014
SWMNHHS	94	220450.83	339470.69	NORTH HAGERSTOWN HS	1106 PENNSYLVANIA AVE	1106	ADJ TO HILLCRE	CITY OF HAGERSTOWN DPW	ED	12/12/2011	Z. Rawe	Deficiency	4/30/2014
SWMNMIDDLESCHL		222103.88	338829.2	NORTHERN MIDDLE SCHOOL	701 NORTHERN AVE	701	NORTHERN AVE	WASHCO BOE	BIO		Z. Rawe	Satisfactory	7/14/2014
SWMNG1	92	221933.8	337690.27	NORTHGATE 1	BEECHWOOD DR & FAIRCHILD	1195	BEECHWOOD DR	RIDER DAVE	IB	8/11/2011	Z. Rawe	Satisfactory	4/30/2014
SWMNG2	93	221490.83	338242.02	NORTHGATE 2	1108 FAIRCHILD AVE & W IRVI	1108	FAIRCHILD AVE	RIDER DAVE	IB	8/11/2011	Z. Rawe	Satisfactory	7/14/2014
SWMNWWK	95	216878.66	340215.95	NWWK INC	1825 HOPEWELL RD	1825	HOPEWELL RD	DR WOOSTER	DP	11/8/2011	Z. Rawe	Satisfactory	7/24/2014

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SWMOUMCH	97	219522.55	338475.45	OTTERBEIN UNITED METH CH	101 E FRANKLIN ST	101	FRANKLIN ST E	CUMP GERALD	DW	11/2/2011	Z. Rawe	Satisfactory	7/15/2014
SWMPESCL	168	219082.98	339756.02	PANGBORN ELEMENTARY SC	PANGBORN BLVD	0	PANGBORN BLV	WASHINGTON COUNTY PUBLIC SCH	ED	10/17/2011	Z. Rawe	Satisfactory	7/29/2014
SWMPNGHTS2A	98	220146.64	340187.65	PANGBORN HEIGHTS	SECURITY RD	910	SECURITY RD	STAMPER ANDY	DP	10/7/2011	Z. Rawe	Satisfactory	6/10/2014
SWMPNGHTS2B	180	220204.82	340129.73	PANGBORN HEIGHTS	LYNNEHAVEN RD	0	LYNNEHAVEN RI	SHAOOL BEN	DP	10/7/2011	Z. Rawe	Satisfactory	6/10/2014
SWMPNGHTS2C	100	220204.82	340129.73	PANGBORN HEIGHTS	LYNNEHAVEN RD	0	LYNNEHAVEN RI	SHAOOL BEN	DP	10/7/2011	Z. Rawe	Satisfactory	6/9/2014
SWMPNGHTS2D	99	220146.64	340187.65	PANGBORN HEIGHTS	SECURITY RD	0	SECURITY RD	STAMPER ANDY	SM	10/7/2011	Z. Rawe	Satisfactory	6/9/2014
SWMPARKOVERLOO	193	220159.72	339598.11	PARK OVERLOOK TOWN HON	701 MONET DR	60	THOMAS JOHNS	PDR PARADISE, LLC.	DP	10/5/2011	Z. Rawe	Deficiency	6/13/2014
SWMPARKPLAZA	238	219173.94	337185.89	PARK PLAZA	401 HIGHLAND AVE	401	HIGHLAND AVE	PARK PLAZA PROPERTIES LLC	DP	10/10/2011	Z. Rawe	Satisfactory	7/7/2014
SWMPHMAR	101	217875.14	337588.44	PHIL MARSHALL AUTOMOTIV	825 S POTOMAC ST	825	POTOMAC ST S	MARSHALL PHIL	UGS	11/2/2011	Z. Rawe	Satisfactory	8/1/2014
SWMPINCRST	102	218092.58	335960.54	PINECREST EXTENSION	PINECREST AVE	0	PINECREST AVE	CITY OF HAGERSTOWN DPW	IT	11/9/2011	Z. Rawe	Satisfactory	8/1/2014
SWMPNC1		216609.99	340597.76	PNC BANK	1700 DUAL HIGHWAY	1700	DUAL HWY	PNC BANK, N.A.	ESDMB		Z. Rawe	Satisfactory	8/1/2014
SWMPNC2		216651.99	340579.3	PNC BANK	1700 DUAL HIGHWAY	1700	DUAL HWY	PNC BANK, N.A.	ESDMB		Z. Rawe	Satisfactory	8/1/2014
SWMPNC3		216651.99	340579.3	PNC BANK	1700 DUAL HIGHWAY	1700	DUAL HWY	PNC BANK, N.A.	ESDMB		Z. Rawe	Satisfactory	8/1/2014
SWMPNC4		216651.99	340579.3	PNC BANK	1700 DUAL HIGHWAY	1700	DUAL HWY	PNC BANK, N.A.	ESDMB		Z. Rawe	Satisfactory	8/1/2014
SWMPNC5		216651.99	340579.3	PNC BANK	1700 DUAL HIGHWAY	1700	DUAL HWY	PNC BANK, N.A.	ESDMB		Z. Rawe	Satisfactory	8/1/2014
SWM1200POTO	104	221241.03	339663.03	POTOMAC AVE 1200	1236 E MAGNOLIA CT	1236	MAGNOLIA CT &	CITY OF HAGERSTOWN DPW	IT	10/7/2011	Z. Rawe	Satisfactory	7/31/2014
SWMPOTMNR1	185	220811.96	340189.04	POTOMAC MANOR	DAYSRING DR	0	HOLLYMEAD TER	HOME CONSTRUCTION CORP OF H/	DP		Z. Rawe	Satisfactory	6/9/2014
SWMPOTMNR2	186	220805.15	340230.35	POTOMAC MANOR	HOLLYMEAD TERRACE	0	DAYSRING DR	HOME CONSTRUCTION CORP OF H/	DP			Under Construction	
SWMPOTTWR	106	219192.4	337960.35	POTOMAC TOWERS	11 W BALTIMORE ST	11	BALTIMORE ST V	MIKE STONER-HAGERSTOWN HOUS	UGS	11/9/2011	Z. Rawe	Satisfactory	7/24/2014
SWMPROVIL	107	218527.02	338416.98	PROFESSIONAL VILLAGE	300 MILL ST	300	MILL ST	NOT LISTED	DP	11/8/2011	Z. Rawe	Satisfactory	7/29/2014
SWMRVAV	84	218637.35	336693.9	R E MITCHELL CO	915 S BURHANS BLVD	915	BURHANS BLVD	NOT LISTED	ED	10/21/2011	Z. Rawe	Satisfactory	8/5/2014
SWMRLV1	108	216821.4	338433.63	RAVENWOOD LUTHERAN VIL	1158-1183 LUTHER DR	1170	LUTHER DR	FRALICK DAVE	DP	11/9/2011	Z. Rawe	Satisfactory	6/9/2014
SWMLOWES	201	218766.17	335197.66	RDC PROJECTS, INC.	1448 WESEL BLVD	1448	WESEL	BOWMAN DEVELOPMENT	DP	10/10/2011	Z. Rawe	Satisfactory	8/2/2014
SWMREDCROSS	239	218525.33	340162.6	RED CROSS	1131 CONRAD CT	1131	CONRAD CT	RED CROSS AMERICAN NATIONAL	DP	10/12/2011	Z. Rawe	Deficiency	7/3/2014
SWMRITAS	110	221928.98	338299.54	RITAS ICE CREAM	1313 PENNSYLVANIA AVE	1313	PENNSYLVANIA	MYERS DENNIS	DP	8/11/2011	Z. Rawe	Satisfactory	4/30/2014
SWMROCKY	111	216974.23	336671.02	ROCKYS TOP WOOD PRESEF	1201 MARYLAND AVE	1201	MARYLAND AVE	GARST GARY	IT+DP	11/8/2011	Z. Rawe	Satisfactory	8/5/2014
SWMRMDWS	112	217018	340865.34	ROLLING MEADOWS	MOUNT AETNA RD	0	MOUNT AETNA R	CHURCHEY WES	IT+DP	11/8/2011	Z. Rawe	Satisfactory	8/1/2014
SWMSTANNS	113	221830.54	339531.98	SAINT ANNS CHURCH	1525 OAK HILL AVE	1525	OAK HILL AVE	REV WILLIAM KEEFER	IT	8/25/2011	Z. Rawe	Satisfactory	7/3/2014
SWMSTCLAIR	114	221231.21	338498.31	SAINT CLAIRE APTS	933-958 SAINT CLAIRE ST	948	SAINT CLAIRE S	LYLES DAVID	DP	10/7/2011	Z. Rawe	Satisfactory	7/29/2014
SWMSTMARY	115	219777.63	337810.47	SAINT MARY'S CHURCH	218 W WASHINGTON ST	218	WASHINGTON S	REV WILLIAM KEEFER	IT	10/11/2011	Z. Rawe	Satisfactory	7/31/2014
SWMSALES	158	221250.36	336865.79	SALEM AVENUE ELEMENTAR	1323 SALEM AVE.	1323	SALEM AVE.	WASHCO BOARD OF ED.	ED	10/6/2011	Z. Rawe	Satisfactory	7/3/2014
SWMSCHSQ1	117	220181.62	336586.2	SCHOOL HOUSE SQ	920 W WASHINGTON ST	920	W WASHINGTON	SAGI STEVE	IT	10/1/2011	Z. Rawe	Satisfactory	7/14/2014
SWMSCHSQ2	116	220181.62	336586.2	SCHOOL HOUSE SQ	W WASHINGTON ST	920	W WASHINGTON	SAGI STEVE	IT	10/1/2011	Z. Rawe	Satisfactory	7/14/2014
SWMSHEETZ	118	219216.91	338655.05	SHEETZ	301 E WASHINGTON ST	301	WASHINGTON S	SHEETZ ROBERT	UGS+OG	10/13/2011	Z. Rawe	Satisfactory	7/30/2014
SWMSS1	137	219720.72	338267.55	SOCIAL SERVICES	122-128 N POTOMAC ST	125	POTOMAC ST N	NOT LISTED	IT	10/12/2011	Z. Rawe	Satisfactory	8/1/2014
SWMSS2	119	219720.72	338267.55	SOCIAL SERVICES	122-128 N POTOMAC ST	125	POTOMAC ST N	PERINI PAUL	IT	10/12/2011	Z. Rawe	Satisfactory	8/1/2014
SWMSS3	105	219720.72	338267.55	SOCIAL SERVICES	122-128 N POTOMAC ST	125	POTOMAC ST N	NOT LISTED	IT	10/12/2011	Z. Rawe	Satisfactory	8/1/2014
SWMSTAPLES	246	218167.55	334682.27	STAPLES	WESEL BLVD	0	WESEL BLVD	STONERIDGE DEVELOPMENT CORP	DP	8/25/2011	Z. Rawe	Satisfactory	7/24/2014
SWMSTINE	7	218960.39	338799.84	STINE LEE E INC	401 E. ANTIETAM ST	401	ANTIETAM ST E	STINE LEE	IT+DP	10/18/2011	Z. Rawe	Satisfactory	8/2/2014
SWMSHSQ1	152	221903.02	339896.59	STONE HOUSE SQUARE - F/	SHANK FARM WAY	0	SHANK FARM W/	FAISON-HAGERSTOWN, LLC.	ED	4/11/2011	Z. Rawe	Satisfactory	8/1/2014
SWMSHSQ2	151	221932.02	339900.7	STONE HOUSE SQUARE - F/	SHANK FARM WAY	0	SHANK FARM W/	FAISON-HAGERSTOWN, LLC.	ED	4/11/2011	Z. Rawe	Satisfactory	8/1/2014
SWMSUMMAN	120	220103.9	340113.51	SUMMERLAND MANOR	929 SECURITY RD	929	SECURITY RD	RIDER PERINI	DP	11/8/2011	Z. Rawe	Satisfactory	7/31/2014
SWMSUP8	122	218173.72	339873.8	SUPER 8 MOTEL	1220 DUAL HWY	1220	DUAL HWY	ABERDEEN	IT	10/12/2011	Z. Rawe	Satisfactory	7/30/2014
SWMSUPSHOE	121	218636.92	338420.42	SUPER SHOE	330 FREDERICK ST	330	FREDERICK ST	NOT LISTED	IT	11/2/2011	Z. Rawe	Satisfactory	7/30/2014
SWMTACO	123	219158.02	338944.75	TACO BELL	450 DUAL HWY	450	DUAL HWY	PAPHITES TASSOS	IT	3/8/2011	Z. Rawe	Satisfactory	7/24/2014
SWMTACO2		219136.15	338978.95	TACO BELL	450 DUAL HIGHWAY	450	DUAL HWY	TASSOS PAPHITES	BIO		Z. Rawe	Satisfactory	8/1/2014
SWMSALVARMY1	0	220195.36	337554.08	THE SALVATION ARMY	525 GEORGE ST	525	GEORGE ST	THE SALVATION ARMY	BIO		Z. Rawe	Satisfactory	7/31/2014
SWMSALVARMY2	0	220180.57	337543.75	THE SALVATION ARMY	525 GEORGE ST	525	GEORGE ST	THE SALVATION ARMY	BIO		Z. Rawe	Satisfactory	7/31/2014
SWMSTORAGEBIN	0	218585.36	338748.2	THE STORAGE BIN	435 E. BALTIMORE ST.	435	BALTIMORE	JEFFREY A. SMITH	DP	11/8/2011	Z. Rawe	Satisfactory	7/3/2014
SWMTIRESPLUS	0	216851.04	340548.24	TIRES PLUS	1622 DUAL HWY	1622	DUAL HIGHWAY	BRIDGESTONE RETAIL OPERATIONS	DP		Z. Rawe	Satisfactory	8/2/2014
SWMTRLUTH	124	219906.72	338476.75	TRINITY LUTHERAN CHURCH	15 RANDOLPH AVE	15	RANDOLPH AVE	CODERMAN JOHN	DW	10/14/2011	Z. Rawe	Satisfactory	7/31/2014
SWMTRIELEC	125	216424.82	340616.97	TRISTATE ELECTRIC	1741 DUAL HWY	1741	DUAL HWY	NOT LISTED	IT	11/9/2011	Z. Rawe	Satisfactory	7/24/2014

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SWMVALPRK	126	218290.99	334524.04	VALLEY PARK	1700 WESEL BLVD	1700	WESEL BLVD	DOUGLAS WILLIAM	DP	3/2/2011	Z. Rawe	Satisfactory	7/24/2014
SWMVENINN	127	219131.85	338882.74	VENICE INN	431 DUAL HWY	431	DUAL HWY	NOT LISTED	DP	10/18/2011	Z. Rawe	Satisfactory	8/2/2014
SWMWACO1	130	220985.72	337669	WACO ARC	820-840 FLORIDA AVE	830	FLORIDA AVE	ARC OF WASHINGTON COUNTY	IT	8/25/2011	Z. Rawe	Satisfactory	6/10/2014
SWMWACO2	129	220985.72	337669	WACO ARC	820-840 FLORIDA AVE	830	FLORIDA AVE	ARC OF WASHINGTON COUNTY	IT	8/25/2011	Z. Rawe	Satisfactory	6/10/2014
SWMWACOHUM	131	219431.2	336701.17	WACO HUMAN DEVELOPMEN	433 BREWER AVE	433	BREWER AVE	NOT LISTED	DP	10/11/2011	Z. Rawe	Satisfactory	7/30/2014
SWMWADE	190	216804.64	340270.16	WADE DENTAL OFFICE	1855 HOWELL RD	1855	HOWELL RD	MARGRET L. WADE	UGS	11/8/2011	Z. Rawe	Satisfactory	7/24/2014
SWMWALGREENS		216649.03	340451.28	WALGREENS - DUAL HIGHWA	1631 DUAL HWY	1631	DUAL HIGHWAY	BSM DUAL HIGHWAY LLC	UGS	NEW	Z. Rawe	Satisfactory	8/1/2014
SWMMENTALHLTH	240	218989.46	340665.52	WASH CO MENTAL HEALTH	1180 PROFESSIONAL CT	1180	PROFESSIONAL	WASH CO MENTAL HEALTH	DP	10/12/2011	Z. Rawe	Deficiency	7/3/2014
SWMWAMUFA	133	218659.94	337060.68	WASHINGTON CO MUSEUM C	MUSEUM DR	0	CITY PARK MUSI	CITY OF HAGERSTOWN DPW	OGS	10/12/2011	Z. Rawe	Satisfactory	7/24/2014
SWMBUSTRNSFR	0	219780.87	337963.72	WASHINGTON COUNTY BUS	W FRAKLIN ST	123	FRANKLIN W	WASHINGTON COUNTY	BIO	11/1/2011	Z. Rawe	Satisfactory	4/30/2014
SWMWAGAR	132	220099.4	340121.2	WASHINGTON GARDENS	950 SECURITY RD	950	SECURITY RD	NOT LISTED	DW	10/10/2011	Z. Rawe	Satisfactory	7/14/2014
SWMWIHGTS2	184	221368.913	221368.91	WEST INRVIN HEIGHTS	840-988 W IRVIN AVE	914	IRVIN AVE W	RIDER DAVE	IT	10/5/2011	Z. Rawe	Deficiency	4/30/2014
SWMWIHGTS1	135	221510.73	338112.58	WEST IRVIN HEIGHTS	840-988 W IRVIN AVE	914	IRVIN AVE W	RIDER DAVE	IB	10/7/2011	Z. Rawe	Satisfactory	4/30/2014
SWMWIHTMS	134	221373.05	337274.71	WESTERN HEIGHTS MS	1300 MARSHALL ST	1300	MARSHALL ST	W C B O E	DP	10/4/2011	Z. Rawe	Satisfactory	6/4/2014
SWMWISEA	136	220874.67	337809.73	WISE AUCTION HOUSE	700 LINGANORE AVE	700	LINGANORE AVE	WISE HAROLD	DW	8/25/2011	Z. Rawe	Satisfactory	7/3/2014
SWMWDLNDN	141	222572.09	337155.6	WOODLANDS NORTH	1500-1547 KENSINGTON DR	1523	KENSINGTON DR	ENT CLAGETT	IT	8/11/2011	Z. Rawe	Satisfactory	7/3/2014
SWMWDPNT	142	221668.09	336487.52	WOODPOINT MANOR	392 YORKSHIRE DR	392	YORKSHIRE DR	CITY OF HAGERSTOWN DPW	IT	4/12/2011	Z. Rawe	Satisfactory	7/15/2014
SWMWPC1	140	217000.11	339151.21	WPC PELLETTIZING PLANT	FREDERICK ST	0	FREDERICK ST	WPC	IT+DP		Z. Rawe	Satisfactory	8/7/2014
SWMWPC2	139	217000.11	339151.21	WPC PELLETTIZING PLANT	FREDERICK ST	0	FREDERICK ST	WPC	IT+DP		Z. Rawe	Satisfactory	8/7/2014
SWMYMCA2	204	221503.33	340730.75	YMCA	1100 EASTERN BLVD	1100	EASTERN BLVD	FLICEK MIKE	DP	4/14/2011	Z. Rawe	Deficiency	4/30/2014
SWMYMCA2A	0	221501.31	340728.22	YMCA	1100 EASTERN BLVD N	1100	EASTERN BLVD	MICHAEL FLICEK	MP	11/7/2011	Z. Rawe	Deficiency	4/30/2014
SWMYMCA1	143	221323.04	340702.14	YMCA	1100 EASTERN BLVD N	1100	EASTERN BLVD	FLICEK MIKE	DP	4/14/2011	Z. Rawe	Satisfactory	4/30/2014
SWMYMCA1A	0	221546.45	340510.29	YMCA	1100 EASTERN BLVD N	1100	EASTERN BLVD	MICHAEL FLICEK	MP	11/7/2011	Z. Rawe	Satisfactory	4/30/2014
SWMYORK	144	221486.78	336389.07	YORKSHIRE WOODS	343 YORKSHIRE DR	343	YORKSHIRE DR	CITY OF HAGERSTOWN DPW	IT	12/6/2011	Z. Rawe	Satisfactory	7/3/2014
SWMYOUMTR	157	215052.99	340993.67	YOUNGER MOTOR CARS	1945 DUAL HIGHWAY	1945	DUAL HIGHWAY	BRANDON YOUNGER - YOUNGER M	WQ+SF	11/28/2011	Z. Rawe	Satisfactory	4/30/2014
SWMZION	145	219834.52	338338.84	ZION EVANGELICAL CHURCH	201 N POTOMAC ST	201	POTOMAC ST N	RIDENOUR WELSS	IT	8/25/2011	Z. Rawe	Satisfactory	7/15/2014

Using a grant from the Chesapeake and Atlantic Coastal Bays Trust Fund, the City constructed a bioswale with timber weirs immediately to the south of the facility. The bioswale now provides treatment for runoff from the Light Department facility, as well as a private paved parking lot to the west.



Drainage channel prior to project



Bioswale and timber weir installation during construction



Completed bioswale

According to the design calculations, this facility will reduce annual Nitrogen loads from the drainage area by 36.9 pounds; 9.3 pounds of Phosphorus and 2.7 tons of sediment will also be removed.

The Light Department is responsible for electric power distribution throughout the City, and they maintain a fleet of vehicles (bucket trucks, dump trucks, support vehicles, etc.) for this purpose. The Light Department also uses the large paved area behind the building as a storage yard for utility poles, light fixtures, and other electrical equipment. Any work on transformers or other electrical components is performed inside the building, and any wastes from these activities are contained until they can be properly disposed. The Central Maintenance Garage facility is the shop where all City vehicles are serviced. All of the service work is performed inside the work bays of the shop. All vehicle fluids (oil, lubricants, antifreeze, etc.) are captured and contained in the bays, and are stored for recycling or proper disposal. Staff working at this facility have been trained in spill containment, and absorbent materials are available to assist with the clean-up of any spills. Staff receives refresher training periodically.

Wastewater Treatment Plant

The City's wastewater treatment plant is a sprawling facility on the southeast side of the City (see photo below). The site is adjacent to Antietam Creek, and effluent from the treatment process is discharged into the stream.



The plant itself has an NPDES permit, and maintains its own SWPPP program. However, using grant funds from the Chesapeake and Atlantic Coastal Bays Trust Fund, the City was able to construct a stormwater management retrofit facility at the site that provides treatment for a portion of the City facility and adjoining industrial properties. The facility, a large bioretention filter, provides treatment for the “first flush” of runoff from the watershed. The completed facility provides annual pollutant/nutrient reductions of 100 lbs. N, 21 lbs. P, and 5.8 tons of sediment. The photos below document the facility's construction.



Pre-construction photo of bioretention site



Bio-retention facility under construction



Completed facility during a storm event

The Wastewater Treatment Plant site is permitted and monitored by the Maryland Department of the Environment. Staff at the plant are trained to safely transport and use chemicals and materials required by the wastewater treatment process. These materials are contained in storage facilities designed to protect them from unauthorized access, and they are protected from the elements so that they have limited impact on stormwater runoff. Because this is a critical operation that is monitored through the City's wastewater discharge permit, staff are continually reviewing and updating policies and procedures to ensure compliance.

Public Works Department

The City's Public Works facility presents a challenge to stormwater pollution control given its relatively tight layout and highly impervious surface coverage. Storm runoff from the site either sheet flows off into the rights-of-way of Memorial Blvd. and Garlinger Avenue, or is collected in an existing storm drain that discharges into Marsh Run at the railroad overpass. The site includes salt and gravel stockpile areas, an enclosed shop area, and a fueling station.



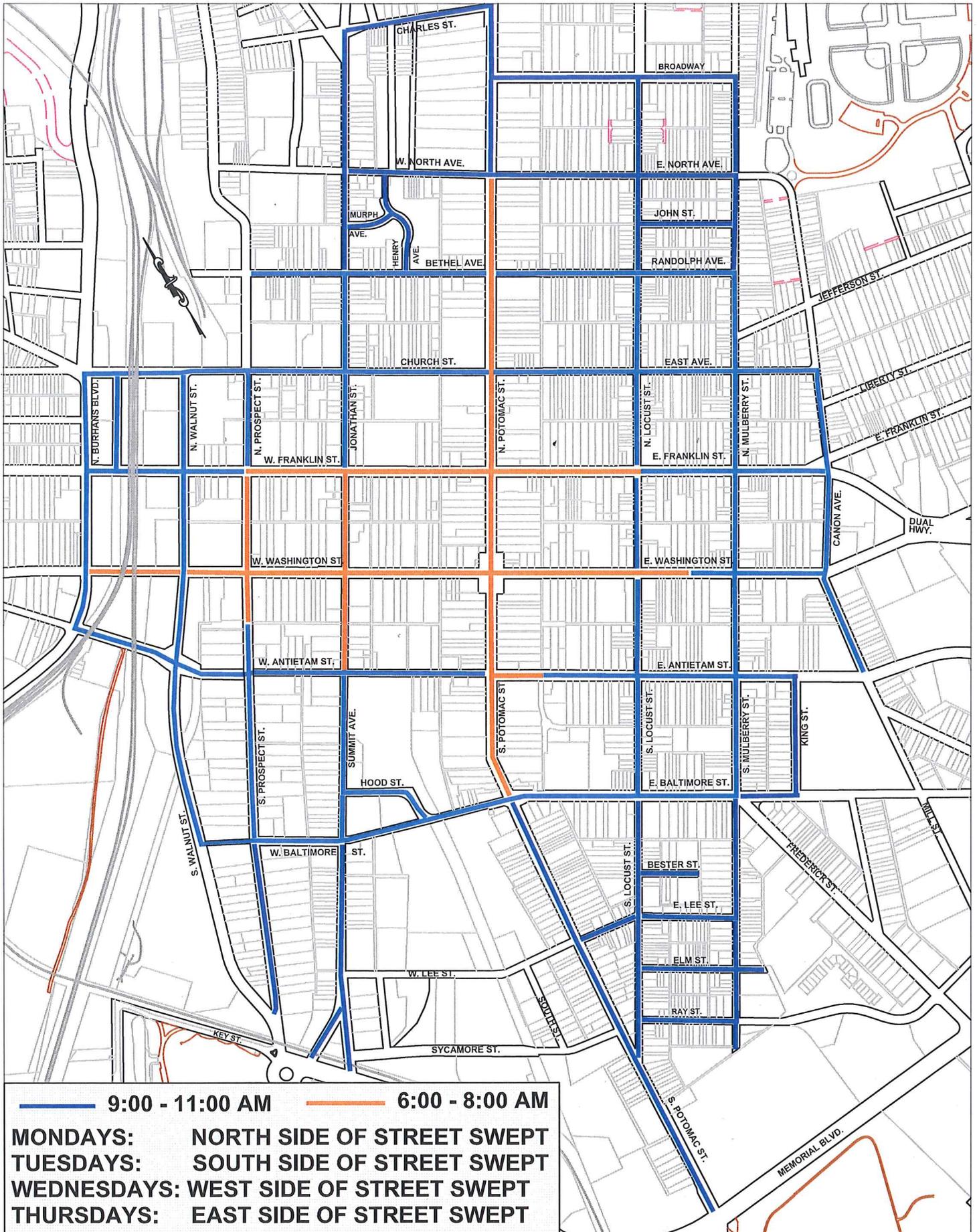
Department of Public Works facility – 51 W. Memorial Blvd.

Public Works staff has been trained to contain fuel and oil spills, and absorbent materials are available on-site to pick-up spilled material. The salt storage area is covered to protect it from rain and the elements; however, staff is investigating ways to capture and contain runoff from this area prior to its discharge into Marsh Run. In early 2009, the City replaced the fuel station facility at this location; this work included the installation of new underground fuel storage tanks with containment facilities, along with new fuel pumps and safety features. This new fuel facility has helped to minimize the potential for fuel/contaminant discharges to adjacent storm drainage facilities. The City also purchased training materials from Excal Visual, Inc.; these materials included a video presentation intended to instill good housekeeping techniques (e.g. spill containment, construction site cleanup, etc.) and considerations in the minds of the

Public Works staff. Periodic staff meetings are held to review these procedures, along with property safety practices. The City is also considering alternative methods for salt storage, which would decrease the potential for salt-laden runoff entering the storm drainage system.

The City also has an ongoing street sweeping program; a map of the downtown street sweeping route map is attached. The City recently expanded the downtown sweeping area, providing more sediment collection for the densely-developed core area. Street sweeping helps to collect pollutants and contaminants on our streets before they are washed into the storm drainage system. The City's 110 miles of streets are swept weekly on a rotating basis, with an emphasis on the downtown core area; the following photo shows an example of an advisory sign posted along one of our streets, and one of the City's street sweepers in action. Public Works reports that, together, the two sweeping units average 14,200 lane miles swept each year.





CITY CENTER STREET SWEEPING SCHEDULE

LAST REVISED: SEP 21 '16