pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STATUS REPORT

FOR THE PERIOD July 1, 2021 TO JUNE 30, 2022

GENERAL INFORMATION			
Permittee Name:	Borough of Conshohocken	NPDES Permit No.:	PAG130013
Mailing Address:	400 Fayette Street, Suite 200	Effective Date:	March 15, 2018
City, State, Zip:	Conshohocken, PA 19428	Expiration Date:	March 15, 2023
MS4 Contact Person:	Stephanie Cecco	Renewal Due Date:	
Title:	Borough Manager	Municipality:	Borough of Conshohocken
Phone:	610-828-1092	County:	Montgomery
Email:	scecco@conshohockenpa.org		

Co-Permittees (if applicable):

Appendix(ces) that permittee is subject to (select all that apply):

☐ Appendix A ☐ Appendix B ☒ Appendix C ☐ Appendix D ☒ Appendix E ☐ Appendix F

WATER QUALITY INFORMATION

Are there any discharges to waters within the Chesapeake Bay Watershed? ☐ Yes ☒ No

Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information (see instructions).

Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Plymouth Creek	WWF	No		No	No
Schuylkill River	WWF	Yes	PCB	Yes	Yes

GENERAL MINIMUM CONTROL MEASURE (MCM) INFORMATION

Have you completed all MCM activities required by the permit for this reporting period? ☒ Yes ☐ No

List the current entity responsible for implementing each MCM of your SWMP, along with contact name and phone number.

MCM	Entity Responsible	Contact Name	Phone
#1 Public Education and Outreach on Storm Water Impacts	Borough of Conshohocken Communications Manager	Paul Gornowski	610-828-1092
#2 Public Involvement/Participation	Borough of Conshohocken Communications Manager	Paul Gornowski	610-828-1092
#3 Illicit Discharge Detection and Elimination (IDD&E)	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092
#4 Construction Site Storm Water Runoff Control	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092
#5 Post-Construction Storm Water Management in New Development and Redevelopment	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092
#6 Pollution Prevention / Good Housekeeping	Borough of Conshohocken Executive Director of Operations	Ray Sokolowski	610-828-1092

MCM #1 – PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS

BMP #1: Develop, implement and maintain a written Public Education and Outreach Program.

1. For new permittees only, has the written PEOP been developed and implemented within the first year of permit coverage?

   ☐ Yes ☐ No

2. Date of latest annual review of PEOP: February 2022 Were updates made? ☐ Yes ☒ No

3. What were the plans and goals for public education and outreach for the reporting period?

   The goal for this period was to continue to educate the public on stormwater runoff, the impacts of stormwater pollution, and what steps they can take to prevent stormwater pollution.

4. Did the MS4 achieve its goal(s) for the PEOP during the reporting period? ☒ Yes ☐ No

5. Identify specific plans and goals for public education and outreach for the upcoming year:

   The Borough will continue to use several methods to educate the public on the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. The Borough will continue to publish articles in its newsletter, provide paper materials at the Borough's Administrative Office, provide information electronically on the Borough's website, and discuss stormwater in coordination with the Environmental Advisory Council.

BMP #2: Develop and maintain lists of target audience groups present within the areas served by your MS4.

1. For new permittees only, have the target audience lists been developed and implemented within the first year of permit coverage?

   ☐ Yes ☐ No

2. Date of latest annual review of target audience lists: February 2022 Were updates made? ☐ Yes ☒ No

BMP #3: Annually publish at least one educational item on your Stormwater Management Program.

1. For new permittees only, were stormwater educational and informational items produced and published in print and/or on the Internet within the first year of permit coverage?

   ☐ Yes ☐ No

2. Date of latest annual review of educational materials: February 2022 Were updates made? ☐ Yes ☒ No

3. Do you have a municipal website? ☒ Yes ☐ No (URL: https://www.conshohockenpa.gov/departments/subdivision-land-development/stormwater-management/)

If Yes, what MS4-related material does it contain?

The website describes the Borough's MS4 permit requirements, provides methods that the public can employ to prevent stormwater pollution, provides stormwater educational resources, and provides useful DEP and EPA stormwater related links. Links to the Borough's approved PRP and annual reports associated with the current permit cycle are also included.The Borough added copies of the recently adopted Stormwater Management Ordinance and amended Drainage section of the Subdivision and Land Development Ordinance.

4. Describe any other method(s) used during the reporting period to provide information on stormwater to the public:

   The Borough published Spring/Summer 2021, Fall/Winter 2021/2022, and Spring/Summer 2022 Newsletters, which each contained stormwater information. The Borough's stormwater website was also reviewed and all links were confirmed to be current.

5. Identify specific plans for the publication of stormwater materials for the upcoming year:

   The Borough plans to continue publishing stormwater information in the Newsletters as well as maintaining the Broough website and reviewing it for potential updates.

BMP #4: Distribute stormwater educational materials to the target audiences.

Identify the two additional methods of distributing stormwater educational materials during the previous reporting period (e.g., displays, posters, signs, pamphlets, booklets, brochures, radio, local cable TV, newspaper articles, other advertisements, bill stuffers, posters, presentations, conferences, meetings, fact sheets, giveaways, or storm drain stenciling).

Pamphlets and brochures related to stormwater management can be found at the Borough's Administrative Office. Storm drains throughout the Borough have been labeled with stormwater medallions to notify the public that they drain to streams.

MCM #1 Comments:

MCM #2 – PUBLIC INVOLVEMENT/PARTICIPATION

BMP #1: Develop, implement and maintain a written Public Involvement and Participation Program (PIPP)

1. For new permittees only, was the PIPP developed and implemented within one year of permit coverage?

   ☐ Yes ☐ No

2. Date of latest annual review of PIPP: February 2022 Were updates made? ☐ Yes ☒ No

BMP #2: Advertise to the public and solicit public input on ordinances, SOPs, Pollutant Reduction Plans (PRPs) (if applicable) and TMDL Plans (if applicable), including modifications thereto, prior to adoption or submission to DEP:

1. Was an MS4-related ordinance, SOP, PRP or TMDL Plan developed during the reporting period? ☒ Yes ☐ No

2. If Yes, describe how you advertised the draft document(s) and how you provided opportunities for public review, input and feedback:

   The Stormwater Management Ordinance and stormwater management related Subdivision and Land Development Ordinance amendments were advertised as required for Pennsylvania Boroughs. The Ordinances were sent to the Montgomery County Planning Commission and a reivew was received dated June 8, 2022. The Ordinances were initially discussed at the April 6, 2022 public Council meeting and subsequently presented at the May 12, 2022 public Borough Planning Commission meeting and discussed via Public Hearings at the June 15, 2022 and July 20, 2022

public Council meetings. The meetings were advertised, the stormwater related items included on the agendas, and public input was requested at each public meeting.

3. If an ordinance, SOP or plan was developed or amended during the reporting period, provide the following information:

Ordinance / SOP / Plan Name	Date of Public Notice	Date of Public Hearing	Date Enacted or Submitted to DEP
MS4 Pollutant Reduction Plan for the Plymouth Creek	June 13, 2018	June 20, 2018	August 9, 2018
Borough of Conshohocken Stormwater Management Ordinance and amendment to the stormwater management related section of the Subdivision and Land Development Ordinance		June 15, 2022 and July 20, 2022	July 20, 2022

BMP #3: Regularly solicit public involvement and participation from the target audience groups using available distribution and outreach methods.

1. At least one public meeting or other MS4 event must be held during the 5-year permit coverage period to solicit participation and feedback from target audience groups. Was this meeting or event held during the reporting period?

   ☒ Yes ☐ No If Yes, Date of Meeting or Event: April 6, 2022 Council meeting and numerous public Environmental Advisory Council (EAC) meetings. Also previously at June 20, 2018, December 19, 2018, February 6, 2019, and June 2, 2021 public Council meetings.

2. Report instances of cooperation and participation in MS4 activities; presentations the permittee made to local watershed and conservation organizations; and similar instances of participation or coordination with organizations in the community.

   Public comment is a standard part of each Council meeting, during which time the Borough gives its residents the opportunity to report any MS4 violations as well as any runoff from construction activities.
   The Borough's EAC has regularly scheduled public meetings on the 3rd Thursday of each month, which are posted on the Borough website. The EAC plans and holds several events throughout the year to engage the public in stormwater related activities. During a spring 2021 clean up, approximately 600 pounds of trash were collected. During a fall 2021 clean up, approximately 300 pounds of trash were collected by over 75 volunteers. A spring 2022 clean up was held in April. The EAC is working to partner with local schools and has worked with various other community partners.

3. Report activities in which members of the public assisted or participated in the meetings and in the implementation of the SWMP, including education activities or efforts such as cleanups, monitoring, storm drain stenciling, or others.

   Members of the public participate in reporting of potential MS4 violations and runoff from construction activities at Council meetings. Over 200 volunteers helped with the EAC's clean ups in 2021.

MCM #2 Comments:

MCM #3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDD&E)

BMP #1: Develop and implement a written program for the detection, elimination, and prevention of illicit discharges into the regulated small MS4.

1. For new permittees only, was the written IDD&E program developed within one year of permit coverage?

   ☐ Yes ☐ No

2. Date of latest annual review of IDD&E program: February 2022 Were updates made? ☐ Yes ☒ No

BMP #2: Develop and maintain map(s) that show permittee and urbanized area boundaries, the location of all outfalls and, if applicable, observation points, and the locations and names of all surface waters that receive discharges from those outfalls. Outfalls and observation points shall be numbered on the map(s).

1. Have you completed a map(s) that includes all components of BMP #2? ☒ Yes ☐ No

   If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

   If No, date by which permittee expects map(s) to be completed:

2. Date of last update or revision to map(s): July 6, 2021

3. Total No. of Outfalls in MS4: 29 Total No. of Outfalls Mapped: 29

4. Total No. of Observation Points: 0 Total No. of Observation Points Mapped: 0

5. During the reporting period, have you identified any existing outfalls that have not been previously reported to DEP in an NOI, application or annual report, or are any new MS4 outfalls proposed for the next reporting period?

☐ Yes ☒ No If Yes, select: ☐ Existing Outfall(s) Identified ☐ New Outfall(s) Proposed

BMP #3: In conjunction with the map(s) created under BMP #2 (either on the same map or on a different map), the permittee shall develop and maintain map(s) that show the entire storm sewer collection system within the permittee's jurisdiction that are owned or operated by the permittee (including roads, inlets, piping, swales, catch basins, channels, and any other components of the storm sewer collection system), including privately-owned components of the collection system where conveyances or BMPs on private property receive stormwater flows from upstream publicly-owned components.

1. Have you completed a map(s) that includes all components of BMP #3? ☒ Yes ☐ No

   If Yes and you are a new permittee and have not submitted the map(s) previously, attach the map(s) to this report.

   If No, date by which permittee expects map(s) to be completed:

2. If Yes to #1, is the map(s) on the same map(s) as for outfalls and receiving waters? ☒ Yes ☐ No

3. Date of last update or revision to map(s): July 6, 2021

BMP #4: Conduct dry weather screenings of MS4 outfalls to evaluate the presence of illicit discharges. If any illicit discharges are present, the permittee shall identify the source(s) and take appropriate actions to remove or correct any illicit discharges. The permittee shall also respond to reports received from the public or other agencies of suspected or confirmed illicit discharges associated with the storm sewer system, as well as take enforcement action as necessary. The permittee shall immediately report to DEP illicit discharges that would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property.

For new permittees, all identified outfalls (and if applicable observation points) must be screened during dry weather at least twice within the 5-year period following permit coverage. For existing permittees, all identified outfalls (and if applicable observation points) must be screen during dry weather at least once within the 5-year period following permit coverage and, for areas where past problems have been reported or known sources of dry weather flows occur on a continual basis, outfalls must be screened annually during each year of permit coverage.

1. How many unique outfalls (and if applicable observation points) were screened during the reporting period? 18

2. Indicate the percentage of all outfalls screened in the past five years. 90%

3. Indicate the percent of outfalls screened during the reporting period that revealed dry weather flows: 33%

4. Did any dry weather flows reveal color, turbidity, sheen, odor, floating or submerged solids? ☐ Yes ☒ No

5. If Yes for #4, attach all sample results to this report with a map identifying the sample location. Explain the corrective action(s) taken in the attachment.

6. Do you use the MS4 Outfall Field Screening Report form (3800-FM-BCW0521) provided in the permit?

   ☒ Yes ☐ No

   If No, attach a copy of your screening report form.

BMP #5: Enact a Stormwater Management Ordinance or SOP to implement and enforce a stormwater management program that includes prohibition of non-stormwater discharges to the regulated small MS4.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that prohibits non-stormwater discharges? ☒ Yes ☐ No

   If Yes, indicate the date of the ordinance or SOP: July 20, 2022

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j) with respect to authorized non-stormwater discharges? ☒ Yes ☐ No

   If Yes to #2 and the ordinance or SOP has not been submitted to DEP previously, attach the ordinance or SOP.

3. Were there any violations of the ordinance or SOP during the reporting period? ☐ Yes ☒ No

If Yes to #3, complete the table below (attach additional sheets as necessary).

Violation Date	Nature of Violation	Responsible Party	Enforcement Taken

4. Did you approve any waiver or variance during the reporting period that allowed an exception to non-stormwater discharge provisions of an ordinance or SOP? ☐ Yes ☒ No

If Yes to #4, identify the entity that received the waiver or variance and the type of non-stormwater discharge approved.

BMP #6: Provide educational outreach to public employees, business owners and employees, property owners, the general public and elected officials (i.e., target audiences) about the program to detect and eliminate illicit discharges.

1. Was IDD&E-related information distributed to public employees, businesses, and the general public during the reporting period? ☒ Yes ☐ No

   If Yes, what was distributed? The attached published materials were made available to employees, businesses, and the public during the reporting period.

2. Is there a well-publicized method for employees, businesses and the public to report stormwater pollution incidents?

   ☒ Yes ☐ No

3. Do you maintain documentation of all responses, action taken, and the time required to take action? ☒ Yes ☐ No

MCM #3 Comments:

The Borough contracted with a storm sewer televising company in 2018 to televise the Borough's storm sewer system to determine the condition of its MS4 pipes and review connections. No illicit connections were identified.

Corrective actions taken to address dry weather flows include the Borough coordinating with the local sewer authority to request they televise the sanitary sewer pipes upstream of the outfall to look for leaks, based on the high level of fecal coliform. Though attempts were made, including via boat in the Schuylkill River, Outfall H/CB14 could not be located through significant vegetation for outfall screening in 2022. Additional attempts continue to be made to re-locate and screen the outfall.

MCM #4 – CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Are you relying on PA's statewide program for stormwater associated with construction activities to satisfy this MCM?

☒ Yes ☐ No

(If Yes, respond to questions for BMP Nos. 1, 2 and 3 only in this section. If No, respond to questions for all BMPs in this section)

BMP #1: The permittee may not issue a building or other permit or final approval to those proposing or conducting earth disturbance activities requiring an NPDES permit unless the party proposing the earth disturbance has valid NPDES Permit coverage (i.e., not expired) under 25 Pa. Code Chapter 102.

During the reporting period, did you comply with 25 Pa. Code § 102.43 (relating to withholding building or other permits or approvals until DEP or a county conservation district (CCD) has approved NPDES permit coverage)?

☒ Yes ☐ No ☐ Not Applicable (no building permit applications received)

BMP #2: A municipality or county which issues building or other permits shall notify DEP or the applicable CCD within 5 days of the receipt of an application for a permit involving an earth disturbance activity consisting of one acre or more, in accordance with 25 Pa. Code § 102.42.

During the reporting period, did you comply with 25 Pa. Code § 102.42 (relating to notifying DEP/CCD within 5 days of receiving an application involving an earth disturbance activity of one acre or more)?

☒ Yes ☐ No ☐ Not Applicable (no building permit applications received)

BMP #3: Enact, implement and enforce an ordinance or SOP to require the implementation and maintenance of E&S control BMPs, including sanctions for non-compliance, as applicable.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of E&S control BMPs? ☒ Yes ☐ No

   If Yes, indicate the date of the ordinance or SOP: July 20, 2022

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? ☒ Yes ☐ No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #4: Review Erosion and Sediment (E&S) control plans to ensure that such plans adequately consider water quality impacts and meet regulatory requirements.

Specify the number of E&S Plans you reviewed during the reporting period:

BMP #5: Conduct inspections regarding installation and maintenance of E&S control measures during earth disturbance activities. Maintain records of site inspections, including dates and inspection results, in accordance with the record retention requirements in this permit.

Specify the number of E&S inspections you completed during the reporting period:

BMP #6: Conduct enforcement when installation and maintenance of E&S control measures during earth disturbance activities does not comply with permit and/or regulatory requirements.

Specify the number of enforcement actions you took during the reporting period for improper E&S:

BMP #7: Develop and implement requirements for construction site operators to control waste at construction sites that may cause adverse impacts to water quality. The permittee shall provide education on these requirements to construction site operators.

Specify the method(s) by which you are educating construction site operators on controlling waste at construction sites:

BMP #8: Develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted by the public to the permittee regarding local construction activities.

1. A tracking system has been established for receipt of public inquiries and complaints. ☐ Yes ☐ No

2. Specify the number of inquiries and complaints received during the reporting period:

MCM #4 Comments:

MCM #5 – POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

BMP #1: Enact, implement and enforce an ordinance or SOP to require post-construction stormwater management from new development and redevelopment projects, including sanctions for non-compliance.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that requires implementation and maintenance of post-construction stormwater management (PCSM) BMPs? ☒ Yes ☐ No

   If Yes, indicate the date of the ordinance or SOP: July 20, 2022

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? ☒ Yes ☐ No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #2: Develop and implement measures to encourage and expand the use of Low Impact Development (LID) in new development and redevelopment. Measures should also be included to encourage retrofitting LID into existing development. Enact ordinances consistent with LID practices and repeal sections of ordinances that conflict with LID practices.

1. Do you have an ordinance (municipal) or SOP or other mechanism (non-municipal) that encourages and expands the use of LID in new development and redevelopment? ☒ Yes ☐ No

   If Yes, indicate the date of the ordinance or SOP: July 20, 2022

2. If Yes to #1, is the ordinance or SOP consistent with DEP's 2022 Model Stormwater Management Ordinance (3800-PM-BCW0100j)? ☒ Yes ☐ No

3. If Yes to #2 and the ordinance or SOP has not been submitted previously, attach a copy of the ordinance or SOP.

BMP #3: Ensure adequate O&M of all post-construction stormwater management BMPs that have been installed at development or redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale.

1. Do you have an inventory of all PCSM BMPs that were installed to meet requirements in NPDES Permits for Stormwater Discharges Associated with Construction Activities approved since March 10, 2003? ☒ Yes ☐ No

   If Yes to #1, complete Table 1 on the next page.

2. Has proper O&M occurred during the reporting period for all PCSM BMPs? ☒ Yes ☐ No

3. If No to #2, explain what action(s) the permittee has taken or plans to take to ensure proper O&M.

If you are relying on PA's statewide program for stormwater associated with construction activities, you may skip to MCM #6, otherwise complete all questions for BMPs #4 - #6 in this section.

BMP #4: Require the implementation of a combination of structural and/or non-structural BMPs that are appropriate to the local community, that minimize water quality impacts, and that are designed to maintain pre-development runoff conditions.

1. Specify the number of PCSM Plans reviewed during the reporting period for projects disturbing greater than or equal to one acre (including projects less than one acre that are part of a larger common plan of development or sale):

2. Has a tracking system been established and maintained to record qualifying projects and their associated BMPs?

   ☐ Yes ☐ No

PCSM BMP INVENTORY

Table 1. To complete the information needed for MCM #5, BMP #3, list all existing structural BMPs that discharge stormwater to the permittee's MS4 that were installed to satisfy PCSM requirements for earth disturbance activities under Chapter 102, and provide the requested information (see instructions).

BMP No.	BMP Name	DA (ac)	Entity Responsible for O&M	Latitude	Longitude	Date Installed	O&M Requirements	NPDES Permit No.
1				° ' "	° ' "			
2				° ' "	° ' "			
3				° ' "	° ' "			
4				° ' "	° ' "			
5				° ' "	° ' "			
6				° ' "	° ' "			
7				° ' "	° ' "			
8				° ' "	° ' "			
9				° ' "	° ' "			
10				° ' "	° ' "			
11				° ' "	° ' "			
12				° ' "	° ' "			
13				° ' "	° ' "			
14				° ' "	° ' "			
15				° ' "	° ' "			
16				° ' "	° ' "			

BMP #5: Ensure that controls are installed that shall prevent or minimize water quality impacts. The permittee shall inspect all qualifying development or redevelopment projects during the construction phase to ensure proper installation of the approved structural PCSM BMPs. A tracking system (e.g., database, spreadsheet, or written list) shall be implemented to track the inspections conducted and to track the results of the inspections (e.g., BMPs were, or were not, installed properly).

1. During the reporting period have you inspected all qualifying development and redevelopment projects during the construction phase to ensure proper installation of approved structural BMPs?

   ☐ Yes ☐ No ☐ Not Applicable (no qualifying projects during reporting period)

2. Has a tracking system been established and maintained to record results of inspections?

   ☐ Yes ☐ No

BMP #6: Develop a written procedure that describes how the permittee shall address all required components of this MCM.

Have you developed a written plan that addresses: 1) minimum requirements for use of structural and/or non-structural BMPs in plans for development and redevelopment; 2) criteria for selecting and standards for sizing stormwater BMPs; and 3) implementation of an inspection program to ensure that BMPs are properly installed? ☒ Yes ☐ No

MCM #5 Comments:

No new PCSM BMPs were installed during this reporting period. During the previous reporting period, PCSM BMPs were installed at 51 Washington (NPDES Permit No PAD460038 2 rain gardens, 1 underground detention basin, water quality filters, and porous pavement), Maston Mill (NPDES Permit No PAD460053, 1 rain garden, water quality filters), 7 Tower Bridge (NPDES Permit No PAG02004615003 subsurface infiltration basin, inlet filters), and SORA West (NPDES Permit No PAC460275 1 underground detention basin, 1 bio-filtration basin, 1 rain garden, green roof, and media filters) to satisfy PCSM requirements for earth disturbance activities under Chapter 102. PCSM BMPs were previously installed as part of the Londonbury at Millenium, Grande at Riverview, and Riverwalk at Millennium developments to satisfy PCSM requirements for earth disturbance activities under Chapter 102.

MCM #6 – POLLUTION PREVENTION / GOOD HOUSEKEEPING

BMP #1: Identify and document all operations that are owned or operated by the permittee and have the potential for generating pollution in stormwater runoff to the MS4. This includes activities conducted by contractors for the permittee.

1. Have you identified all facilities and activities owned and operated by the permitee that have the potential to generate stormwater runoff into the MS4? ☒ Yes ☐ No

2. When was the inventory last reviewed? February 2022

3. When was it last updated? June 2011

BMP #2: Develop, implement and maintain a written O&M program for all operations that could contribute to the discharge of pollutants from the MS4, as identified under BMP #1. This program shall address stormwater collection or conveyance systems within the regulated MS4.

1. Have you developed a written O&M program for the operations identified in BMP #1? ☒ Yes ☐ No

2. Date of last review or update to written O&M program: March 2011

BMP #3: Develop and implement an employee training program that addresses appropriate topics to further the goal of preventing or reducing the discharge of pollutants from operations to the regulated small MS4. All relevant employees and contractors shall receive training.

1. Have you developed an employee training program? ☒ Yes ☐ No

2. Date of last review or update to training program: June 2017 Date of latest training: continuous

3. Training topics covered:

   Proper salt removal from vehicles, containment of spills, proper vehicle washing, and report of any spills or violations

4. Name(s) of training presenter(s):

   Ray Sokolowski

5. Names of training attendees:

   all employees of the Borough's Public Services Department

MCM #6 Comments:

POLLUTANT CONTROL MEASURES (PCMs)

Indicate the status of implementing PCMs in Appendices A, B and/or C by completing the table below. Skip this section if PCMs are not applicable.

Task	Date Completed	Attached	Anticipated Completion Date
Storm Sewershed Map(s)	September 2019	☐	
Source Inventory	September 2020	☐	
Investigation of Suspected Sources		☐	September 2023
Ordinance/SOP for Controlling Animal Wastes	N/A	☐	N/A

PCM Comments:

Appendix C applies to Schuylkill River PCB Impairment

POLLUTANT REDUCTION PLANS (PRPs) AND TMDL PLANS

1. Complete this section if the development and submission of a PRP and/or TMDL Plan was required as an attachment to the latest NOI or application or was required by the permit, regardless of whether DEP has approved the plan(s).

Type of Plan	Submission Date	DEP Approval Date	Surface Waters Addressed by Plan
☐ Chesapeake Bay PRP (Appendix D)			Chesapeake Bay
☒ Impaired Waters PRP (Appendix E)	August 9, 2018	February 4, 2020	Plymouth Creek
☐ TMDL Plan (Appendix F)			
☐ Combined Chesapeake Bay / Impaired Waters PRP			Chesapeake Bay,
☐ Combined PRP / TMDL Plan			

☐ Joint Plan *(if checked, list the name of the MS4 group or names of all entities participating in the joint plan below)*

Joint Plan Participants:

2. Identify the pollutants of concern and pollutant load reduction requirements under the permit (see instructions).

Type of Plan	TSS Load Reduction (lbs/yr)	TP Load Reduction (lbs/yr)	TN Load Reduction (lbs/yr)
☐ Chesapeake Bay PRP (Appendix D)			
☒ Impaired Waters PRP (Appendix E)	12,903		
☐ TMDL Plan (Appendix F)			
☐ Combined Chesapeake Bay / Impaired Waters PRP			
☐ Combined PRP / TMDL Plan			

3. Date Final Report Demonstrating Achievement of Pollutant Load Reductions Due: February 28, 2025

4. Have any modifications to the plan(s) occurred since DEP approval? ☐ Yes ☒ No

   If Yes to #4, was the updated plan(s) submitted to DEP? ☐ Yes ☐ No

   If Yes to #4, did you comply with the public participation requirements of the applicable appendix? ☐ Yes ☐ No

   If Yes to #4, describe the plan modifications.

5. Summary of progress achieved during reporting period.

   The Borough completed infiltration testing, survey, and design associated with the BMP proposed to address the sediment pollutant loading reductions.

6. Anticipated activities for next reporting period.

   The Borough will continue with its efforts to comply with the permit qualifications.

PRP/TMDL Plan Comments:

No existing BMPs were considered towards achieving load reductions and no new BMPs were installed in permit year 4 related to the PRP.

NEW BMPs FOR PRP/TMDL PLAN IMPLEMENTATION

Table 2. List all new structural BMPs installed and ongoing non-structural BMPs implemented during the reporting period that are being used toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed or Implemented	Planning Area?	Ch. 102?	Annual Sediment Load Reduction (lbs/yr)
						° ' "	° ' "		☐	☐	
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						° ' "	° ' "		☐	☐	

BMP INVENTORY FOR PRP/TMDL PLAN IMPLEMENTATION

Table 3. List all existing structural BMPs that have been installed in prior reporting periods and are eligible to use toward achieving load reductions in the permittee's PRP and/or TMDL Plan (see instructions).

BMP No.	BMP Name	DA (ac)	% Imp.	BMP Extent	Units	Latitude	Longitude	Date Installed	Annual Sediment Load Reduction (lbs/yr)	Date of Latest Inspect -ion	Satis-factory?
						° ' "	° ' "				☐
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CERTIFICATION

For PAG-13 Permittees: I have read the latest PAG-13 General Permit issued by DEP and agree and certify that (1) the permittee continues to be eligible for coverage under the PAG-13 General Permit and (2) the permittee will continue to comply with the conditions of that permit, including any modifications thereto. I understand that if I do not agree to the terms and conditions of the PAG-13 General Permit, I will apply for an individual permit within 90 days of publication of the General Permit. I also acknowledge that any facility construction needed to comply with the General Permit requirements shall be designed, built, operated, and maintained in accordance with operative laws and regulations.

For All Permittees: I certify under penalty of law that this report was 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Stephanie Cecco	
Name of Responsible Official	Signature
610-828-1092	9/27/22
Telephone No.	Date

BOROUGH OF CONSHOHOCKEN (PAG130013)
MONTGOMERY COUNTY, PENNSYLVANIA
MS4 ANNUAL/PROGRESS REPORT
REPORT PERIOD from JULY 1, 2021 to JUNE 30, 2022

LIST OF REPORT ATTACHMENTS

MCM #1 – Public Education and Outreach on Storm Water Impacts

- Borough of Conshohocken Newsletter
  - Spring Summer 2021
  - Fall Winter 2021/2022
  - Spring Summer 2022

MCM #2 – Public Involvement/Participation

- June 8, 2022 Montgomery County Planning Commission Review of Stormwater Management Ordinance and amendment to stormwater management related provisions of the Subdivision and Land Development Ordinance
- April 6, 2022 Borough Council Agenda and Meeting Minutes
- May 12, 2022 Borough Planning Commission Agenda and Meeting Minutes
- June 15, 2022 Borough Council Agenda and Meeting Minutes
- July 20, 2022 Borough Council Agenda and Meeting
- Environmental Advisory Council Cleanup Information

MCM #3 – Illicit Discharge Detection and Elimination (IDD&E)

- MS4 Outfall Field Screening Reports
- MS4 Outfall Field Screening Results Report
- Borough of Conshohocken Stormwater Management Ordinance, Ordinance 10-2022
- Borough of Conshohocken stormwater related amendments to Subdivision and Land Development Ordinance, Ordinance 11-2022
- Distributed Materials

Borough of CONSHOHOCKEN Newsletter

Spring/Summer 2021

INSIDE THIS ISSUE

Borough Office: 400 Fayette Street, Suite 200, Conshohocken, Pennsylvania

VISIT US AT CONSHOHOCKENPA.GOV

A MESSAGE FROM THE MAYOR

As we continue to deal with the COVID-19 pandemic, I wanted to share some of the amazing ways Conshohocken has come together over the past few months. We have an incredible community. Please help continue to spread the power of positivity. We will emerge from this stronger than ever!

- Through your support of my Conshy Strong initiatives, my nonprofit organization, Destination Conshohocken, was able to donate $2,000 to the Colonial Neighborhood Council, our local food pantry. The Conshohocken Sewer Authority, in honor of Conshy Strong, donated an additional $1,000 to Colonial Neighborhood Council.
- The Virtual Holiday Wine Tasting, presented by Destination Conshohocken and Pieri Hospitality, raised $1,000 for Colonial Neighborhood Council and the Conshohocken Art League.
- The Hispanic Heritage Association of Southeastern PA, based in Conshohocken, hosted a virtual Parranda (a Latin American style of Christmas caroling).
- ConshyStuff and The Hussey Team hosted their annual food drive to benefit the Colonial Neighborhood Council and Conshohocken VFW Post 1074, collecting much-needed food and grocery store gift cards.
- The Conshohocken Community Garden started a program to donate fresh, locally grown produce to the Colonial Neighborhood Council.
- Conshohocken AMBUCS partnered with our Borough staff to help put on the Conshohocken Virtual Tree Lighting, Santa included! You can watch the video on the Borough's website and social media.
- Giovanni Algarin, an amazing young man with a rare genetic disorder, visited the Conshohocken Italian Bakery to take a tour and get some delicious baked goods. It was an honor to meet him and we hope to have him back in our Borough soon!
- My wife, Sarah, hosted a free QPR (Question, Persuade, Refer) Suicide Prevention Training at the Conshohocken VFW Post 1074 and hopes to continue hosting them for residents on a regular basis.
- The Conshohocken Police Department and Coldwell Banker Preferred Conshohocken hosted a free Community Shredding and Electronics Recycling event, which saw record turnout.
- The Conshohocken Fire Department hosted a food collection drive for the Colonial Neighborhood Council and continued their tradition of touring Santa around the Borough.

- Conshohocken VFW Post 1074 hosted their annual Marine Corps Toys for Tots drive. VFW social memberships are open to all residents for just $20 a year!
- The Borough of Conshohocken hosted a Holiday House Decorating Contest and Christmas Drive-in Movie, starting two new holiday traditions, and gave out more than 90 "Holiday in a Bag" packages to our seniors.
- West Conshohocken Mayor Danelle Fournier and I started the "Battle of the Bridge" contest so that we can highlight businesses in Conshohocken and West Conshohocken. You can catch our regular Facebook Live sessions on our social media pages.
- We had four new Conshohocken business openings: Bar Sera, Conshohocken Candy Company, Conshohocken Smoke Shop and Shack in the Back.
- The Conshohocken Environmental Advisory Council hosted a Virtual Fall Community Cleanup, picking up 475 pounds of trash and recycling.
- The Conshohocken Dog Park Committee worked with Borough staff to implement a new fob entry system at the Riverside Dog Park as well as have a shade feature installed.
- The Conshohocken Shade Tree Team planted six trees at Sutcliffe Park to go with 20 new trees planted at the park in 2019.

This is only a small sampling of the amazing activity happening in our Borough. Thank you and keep up the great work, Conshohocken! We are #ConshyStrong.

Please keep in touch by joining me on social media, reaching out via email or stopping by during my office hours when they resume. I hope to see you in the neighborhood.

-Yaniv

SPEAK WITH THE MAYOR

yaronson@conshohockenpa.gov
Yaniv Aronson
yanivaronson
conshymayor
conshymayor
ConshohockenMayor.com
484-532-8144

OFFICE HOURS

(may differ based on COVID-19 safety guidelines):
HELD AT THE COMMUNITY CENTER AT THE FELLOWSHIP HOUSE
3rd Saturday of each month:
10:00 AM to 12:00 PM
4th Wednesday of each month:
4:30 PM to 6:00 PM

ENGINEERING

Per the requirements of the Clean Water Act and Pennsylvania Clean Streams Law, the Borough is required to enforce a Stormwater Management Program, which is designed to reduce the discharge of pollutants from the public storm sewer system in order to protect water quality. The public storm sewer system includes storm sewer inlets, piping, swales, catch basins, channels, and even roads. Pollutants include soil, garbage, sewage, and nutrients found in fertilizers.

As part of this Program, the Borough submits periodic reports to the Pennsylvania Department of Environmental Protection detailing how it complies with the following Minimum Control Measure categories: Public Education and Outreach on Stormwater Impacts; Public Involvement/Participation; Illicit Discharge Detection and Elimination; Construction Site Stormwater Runoff Control; Construction Stormwater Management; and Pollution Prevention/Good Housekeeping. The Borough also enforces a Pollution Reduction Plan to reduce the amount of sediment reaching the Plymouth Creek via the public storm sewer system.

How can you help?

The most important thing to keep in mind is that the public storm sewer system does not get treated - anything that enters the Borough's system eventually reaches the Plymouth Creek or Schuylkill River. This includes litter, pet waste, leaking oil, lawn fertilizer, pesticides, and car cleaning soaps. When taking care of your lawn, consider mulching lawn clippings to provide natural fertilizer and reducing the use of commercial fertilizer and pesticide use or toxicity. Use only as much water as you need when watering your lawn and outdoor plants since water that runs off sidewalks and roadways carries pollutants into the public storm sewer system.

If you notice water flowing in the public storm sewer system during times of dry weather, this is a potential sign that there could be a problem. Please report any concerns to Conshohocken Borough at 610-828-1092.

For more information, you can check out the Borough's Stormwater Management webpage: http://www.conshohockenpa.gov/information/stormwater-management.aspx

The Borough Council and Administration thank the businesses that appear in this newsletter and recognize each as supporters of our community. For it is with their participation that this newsletter has been published at no cost to our residents.

Yard Waste Collection Rules and Regulations

Yard waste stickers are available at the Borough office to convert your old blue recycle bin into a container for yard waste disposal.

All residences must participate in the Borough's recycling programs by separating their recyclable material from their regular trash. Yard waste is recyclable, therefore the separation and collection of this material is mandated by the Commonwealth of Pennsylvania and Conshohocken Borough.

- Weeds, leaves, brush and plants should be placed in biodegradable paper composting bags. Please no trash in these bags.
- Each bag should not to be heavier than 50 pounds.
- Tree branches under five (5") in diameter, not exceeding five (5') in length, are to be securely tied into bundles and should not to be heaver then 50 pounds.
- Christmas trees. No decorations, tree stands or plastic tree bags.
- Please place your bags, and/or bundles at curbside on your property no earlier than 5:00 PM the night before.

GRASS CLIPPINGS ARE NO LONGER ACCEPTED WITH YARD WASTE COLLECTION

There are several options for recycling your grass clippings, here are a few ideas:

- Leave on your lawn to act as a natural fertilizer.
- Use them to fill raised vegetable gardens or flower beds.
- Spread them as mulch around the base of trees, shrubs, or potting soil.
- add them to your compost pile as a source of "green" high nitrogen material.

Property Maintenance & Safety

As a property owner, you are responsible for mowing, trimming and spraying, as necessary to keep your property, as well as the public street frontage, clean and safe.

For more information related to services provided by the Borough of Conshohocken Department of Public Services please visit our website: www.conshohockenpa.gov.

REAR HOUSE NUMBER ORDINANCE

Residential rental properties in the Borough of Conshohocken are now required to have house numbers installed and maintained on the front and rear of dwelling structures used for residential rental unit(s). The ordinance requires separate identification of each unit for structures with separate entrances for multiple units, and requires placement of the applicable house number on structures blocking visibility of the rear entrance, where applicable. The house numbers required by the ordinance must be installed before a residential rental license may be issued or renewed.

ENVIRONMENTAL ADVISORY COUNCIL

The Conshohocken Environmental Advisory Council (EAC) is dedicated to improving the environment in our community, through volunteer events, education and advising Borough Council on environmentally friendly changes. The EAC hosts many environmentally focused events each year where the public is invited to participate, learn and have some fun.

Included in these events are two community cleanups, which usually take hundreds of pounds of trash off our streets each time! Our members, in conjunction with the Borough Public Services Department, also hosts two tree plantings each year. Friends and families can get their hands dirty all while learning proper planting technique! We've planted dozens of trees in Sutcliffe Park and the "B" Field in just the last two years. This is in addition to numerous environmental workshops held throughout the year for children and adults alike. Recent topics have included the Spotted Lanternfly, stormwater management, solar energy and others.

We invite you to participate in our other community events like tree plantings, cleanups and workshops. Anyone can become a Friend of the EAC! Learn more by visiting our page on the Borough website or by visiting our on Facebook at www.Facebook.com/ConshyEAC. You can also email us at greenconshohocken@gmail.com.

Borough of CONSHOHOCKEN Newsletter

Fall/Winter 2021

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Borough Office: 400 Fayette Street, Suite 200, Conshohocken, Pennsylvania

VISIT US AT CONSHOHOCKENPA.GOV

Stay Connected

Conshohocken Borough Website
www.conshohockenpa.gov
Notice anything different about the Borough's website? We recently upgraded our website in April of this year! We added dedicated pages for parking, proposed ordinance consideration, special events, alerts and more!

Conshohocken Borough E-News Articles
www.conshohockenpa.gov
Visit the Borough's website and sign up to receive Borough News directly to your email. Sign up for notifications on meeting alerts, calendar and website updates, and news on special events and more!

CodeRED Alert Notifications
www.conshohockenpa.gov/CodeRED
We highly encourage all residents, businesses, visitors and employees working within the Borough of Conshohocken to create an account and register online to receive notifications. These alerts include critical information on both emergency and non-emergency related incidents relevant to Conshohocken Borough only. All messaging that comes from CodeRED is initiated directly from Conshohocken Borough's Administration. Sign up by visiting the above web address.

Conshohocken Borough TV Channel
Stay up to date on news and announcements or catch the latest Council Meeting recording from your TV. Go to Verizon channel 20, or Comcast channel 965.

Conshohocken Borough (Facebook)
@ConshohockenBorough
Like and follow the Borough's Facebook Page to see notices, meeting announcements, agendas, community events, trash and recycling updates, holiday closures and more!

Conshohocken Borough (Twitter)
@ConshyBorough
Follow the Borough's twitter page for news and announcements.

Conshohocken Police Department (Facebook)
@Conshohocken Police Department
Like and follow the Conshohocken Police Department Facebook page for police events, news, and updates!

Conshohocken Community Center at the Fellowship House (Facebook)
@CommunityCenteratthefel
Like and follow for all Recreational Department info, including programs, events, fitness opportunities, membership info, park updates and activities for all ages!

2021 CONSHOHOCKEN FUNFEST

The Borough of Conshohocken is pleased to announce that Funfest will take place in 2021 on Saturday, September 18th. Funfest has become a long-standing community event dating back to 1993. The event has been made possible in part by our residents, businesses, volunteers and donors who have dedicated their time and resources.

Event Details

Saturday, September 18, 2021
12:00 pm – 8:00 pm*
Fayette Street
from 1st to 6th Avenue

Activities

The event will be filled with live music and outdoor restaurant dining at 1st Avenue and Fayette Street. It also features a variety of art and craft vendors, community groups, businesses and sponsor tables spanning two blocks, as well as a dedicated children area with free games and activities games. **All activities from 2nd to 6th Avenue break down at 6:00 pm. Live music and local food and drinks will continue until 8:00 pm!*

ENGINEERING

Keeping Storm Runoff Clean

As many residents and business owners of the Borough of Conshohocken are aware, the Borough is responsible for monitoring the storm sewer system for pollutants and to remove or direct that any identified sources of pollution be removed. The program is known as the National Pollution Discharge Elimination System Municipal Separate Storm Sewer System, NPDES MS4 for short. In the case of stormwater, a pollutant is basically anything that is not rain water or snow melt. Common pollutants in stormwater come from pet waste in yards, over fertilized lawns, washing vehicles in driveways or streets, and improper disposal of cleansers, oil and paint.

As one can imagine, a good deal of rain falls on the Borough each year. In fact, the Borough receives an average of four feet of rain annually. While the effects of runoff are easily observed during heavy storms, the effects from light rainfall are equally important. All the dirt, oil, lawn fertilizer, road salt, leaves, grass clippings, pet waste, etc., that washes away with even a light rain ends up as pollution in the Plymouth Creek or Schuylkill River. With cooperation and effort from everyone, we can all help keep our water clean.

Fall weather often promotes many outdoor activities and therefore is a great time to keep stormwater issues in mind. A few things you can do to help reduce pollution in stormwater runoff are:

- Use fertilizers sparingly
- Sweep driveways and sidewalks
- Clean gutters and downspouts
- Never dump anything down storm drains or in streams
- Use the appropriate amount of salt to melt snow and ice
- Vegetate bare spots in your yard
- Compost your yard waste, especially those falling leaves
- Follow directions when applying pesticides, and learn how to prevent pest problems
- Direct downspouts away from paved surfaces
- Check your car for leaks and recycle your motor oil
- Pick up after your pet

The Borough website is a valuable resource for stormwater related information

https://www.conshohockenpa.gov/departments/subdivision-land-development/stormwater-management/

This webpage contains useful information regarding the NPDES MS4 program, including several links to EPA and PADEP (the Federal and State agencies responsible for this program). All residents and businesses within the Borough are encouraged to review this information and to help in the Borough's efforts to keep our water clean.

Help keep our water clean! To report a non-stormwater discharge to the stormwater system, storm drain, or to a stream, please call the Borough's offices at 610-828-1092.

ENVIRONMENTAL ADVISORY COUNCIL

The Conshohocken Environmental Advisory Council (EAC) is dedicated to improving the environment in our community through volunteer events, education and advising the Borough on environmentally friendly changes. The EAC consists of seven members appointed by the Borough Council, but it would be nothing without our dedicated group of supporters and volunteers known as the "Friends of Green Conshy."

The EAC has some exciting plans for this fall, including our annual Fall Cleanup and Fall Tree Planting events. We hope to take hundreds of pounds of garbage out of our streets with the help of our many volunteers and plant a dozen or more trees that will benefit our community for years to come. The EAC also holds environmental workshops throughout the year for children and adults alike. Recent workshops have focused on the Spotted Lanternfly, but we have also had workshops on stormwater management, solar energy, and others and plan to continue bringing this important information to the community.

This year, the EAC has been working hard with experts, Borough Administration and Borough Council to bring electric vehicle charging stations into our community. We are excited about this opportunity to move our community in a more sustainable direction.

Also new this year is the Green Business Recognition Program, which seeks to recognize those businesses in our community that use environmentally sustainable practices and products. We hope this recognition will incentivize other local businesses to adopt environmentally friendly practices as well. Local businesses can apply through the EAC and their business practices will be evaluated with the green criteria established.

We invite you to participate in our meetings, held the 3rd Thursday of each month at 7:00 pm, and join us during community events, such as tree plantings, cleanups, and workshops. Anyone can become a Friend of Green Conshy! Learn more by visiting our page on the Borough website, http://www.conshohockenpa.gov/your-government/boards-commissions/environmental-advisory-council.aspx, on Facebook at www.Facebook.com/ConshyEAC or reach out to us via email at greenconshohocken@gmail.com.

We hope to see you at our next event growing a greener community!

Borough of CONSHOHOCKEN Newsletter

Spring/Summer 2022

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Borough Office: 400 Fayette Street, Suite 200, Conshohocken, Pennsylvania

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ENGINEERING

Keeping Storm Runoff Clean

As many residents and business owners of the Borough of Conshohocken are aware, the Borough is responsible for monitoring the storm sewer system for pollutants and to remove or direct to have removed any identified sources of pollution. The program is known as the National Pollution Discharge Elimination System Municipal Separate Storm Sewer System, NPDES MS4 for short. It is important to understand that stormwater does not get treated before it reaches the Plymouth Creek or Schuylkill River so any particle, large or small, that can be carried by water and reaches a roadway, storm sewer inlet, or swale will end up untreated in the river. Common pollutants in stormwater come from pet waste in yards, over fertilizing of lawns, washing vehicles in driveways or streets, and improper disposal of cleansers, oil, and paint.

Aside from properly disposing of pet waste, cleaners, oils, and paints, using recommended fertilization levels for lawns, and washing your car at a commercial car wash, another way to help the stormwater environment is by adding trees or other vegetation to your property. Trees and other plants help retain more water, enhance water percolation into the soil, and guard against erosion. Trees retain 2-7 percent or more of the water produced by a short downpour, either by allowing it to evaporate or soaking it up, instead of the same water running off into the storm sewer system. Roots of established plants also bind the soil, reducing erosion. If adding plantings to your property is of interest to you, please consider selecting from the approximately 2,100 plants which are native to Pennsylvania and call 811 before you dig:
http://elibrary.dcnr.pa.gov/GetDocument?docId=1742582&DocName=sf-Native_Plants_Landscaping-brochure.pdf

The Borough website is a valuable resource for stormwater related information

https://www.conshohockenpa.gov/departments/subdivision-land-development/stormwater-management/

This webpage contains useful information regarding the NPDES MS4 program, including several links to EPA and PADEP (the Federal and State agencies responsible for this program). All residents and businesses within the Borough are encouraged to review this information and to help in the Borough's efforts to keep our water clean.

Help keep our water clean! To report a non-stormwater discharge to the stormwater system, storm drain, or to a stream, please call the Borough's offices at 610-828-1092.

PUBLIC SERVICES

2022 Holiday Solid Waste & Recycle Collection Schedule

When a holiday falls on a Saturday or Sunday, it is observed on the following Monday. When your trash and recycle collection, day falls on a holiday, your recyclables will be collected on Wednesday and your trash will be collected on your next scheduled collection day.

EASTER MONDAY	**Monday, April 18, 2022**
MEMORIAL DAY	**Monday, May 30, 2022**
JUNETEENTH	**Monday, June 20, 2022**
INDEPENDENCE DAY	**Monday, July 4, 2022**
LABOR DAY	**Monday, September 5, 2022**
COLUMBUS DAY	**Monday, October 10, 2022**
VETERAN'S DAY	**Thursday, November 11, 2022**
THANKSGIVING DAY	**Thursday, November 24, 2022**
DAY AFTER THANKSGIVING	**Friday, November 25, 2022**
CHRISTMAS	**Monday, December 26, 2022**

Stickers for trash & recycling cart lids are now available at Borough Hall for residents to pick up and use.

Trash & Recycling Cart Updates

Borough approved containers must be used for all residential trash and recycling, unless other arrangements have been made, and approved, by the Public Services Department. Trash and recycling cans must have 2 wheels, a metal life bar and attached lid. Unapproved containers will be tagged for no future pickups until the residence comes into compliance.

Trash Collection Rules and Regulations

- There is a limit of four (4) cans/bags per household per pick-up (200 pounds maximum)
- Each can/bag is not to be heavier than 50 pounds.
- Needles, syringes, lances, and other sharp objects should be placed in a metal container with a secure lid so as not to be a hazard.
- Please place your cans/bags at curbside on your property no earlier than 5:00 PM the night before and your cans must be removed from curbside no later than 7:00 PM the day of collection.
- No **clean-outs** or **move-outs** unless prearranged 24 hours in advance. Please call (610) 828-1092.
- No **construction debris** or **carpet** unless prearranged 24 hours in advance. Please call (610) 828-1092.
- Trash will be left curbside and 'red tagged' if deemed to be too heavy, improperly placed, or in an unapproved container. Trash that is left should be returned to the property before 7:00 PM.

TRASH SCHEDULE

Monday and Thursday – East Side
Tuesday and Friday – West Side

RECYCLING SCHEDULE

Monday – East Side
Tuesday – East Side

YARD WASTE SCHEDULE

Wednesday – Entire Borough

HOLIDAY MAKE-UP DAYS

Wednesday is the make-up day for recycling when a holiday falls on a Monday or Tuesday

Conshohocken Is Single Stream Recycling

Single stream recycling allows all your recyclable materials to be placed into one recycling container. The best part is you do not have to separate them! Hence, we get the term 'Single Stream Recycling.' Residents will see trash trucks collecting recyclables. Rest assured recycled materials will go to the recycling facility, NOT the trash-to-steam plant. Recycling carts should be left out before 7:00 AM on collection day, at the front edge of your property or nominated collection point.

For information on proper disposal of hazardous household waste, please visit:
https://www.montcopa.org/637/Recycling-Information

Yard Waste Collection Rules and Regulations

Yard waste stickers are available at the Borough office to convert your old blue recycle bin into a container for yard waste disposal.

All residences must participate in the Borough's recycling programs by separating their recyclable material from their regular trash. Yard waste is recyclable; therefore, the separation and collection of this material is mandated by the Commonwealth of Pennsylvania and Conshohocken Borough.

- Weeds, leaves, brush, and plants should be placed in biodegradable paper composting bags. Please no trash in these bags.
- Each bag should not be heavier than 50 pounds.
- Tree branches under five (5") in diameter, not exceeding five (5') in length, are to be securely tied into bundles and should not be heaver then 50 pounds.
- Christmas trees. No decorations, tree stands or plastic tree bags.
- Please place your bags, and/or bundles at curbside on your property no earlier than 5:00 PM the night before.

GRASS CLIPPINGS ARE NOT ACCEPTED WITH YARD WASTE COLLECTION

There are several options for recycling your grass clippings, here are a few ideas:

- Leave on your lawn to act as a natural fertilizer.
- Use them to fill raised vegetable gardens or flower beds.
- Spread them as mulch around the base of trees, shrubs, or potting soil.
- Add them to your compost pile as a source of "green" high nitrogen material.

WHEN YOU'RE WASHING YOUR CAR IN THE DRIVEWAY, REMEMBER YOU'RE NOT JUST WASHING YOUR CAR IN THE DRIVEWAY.

All the soap, scum, and oily grit runs along the curb. Then into the storm drain and directly into our lakes, streams and into coastal waters. And that causes pollution which is unhealthy for fish. So how do you avoid this whole mess? Easy. Wash your car on grass or gravel instead of the street. Or better yet, take it to a car wash where the water gets treated and recycled.

If you have questions regarding storm water, please contact your municipality or Pennsylvania Department of Enviromental Protection's Regional Office. For general questions, you may also contact DEP's Bureau of Water Management at (717) 772-5661 or visit www.dep.state.pa.us. Thanks to the Washington State Water Consortium for permission to adapt and use this poster

MONTGOMERY COUNTY
BOARD OF COMMISSIONERS
VALERIE A. ARKOOSH, MD, MPH, CHAIR
KENNETH E. LAWRENCE, JR., VICE CHAIR
JOSEPH C. GALE, COMMISSIONER

MONTGOMERY COUNTY
PLANNING COMMISSION
MONTGOMERY COUNTY COURTHOUSE • PO BOX 311
NORRISTOWN, PA 19404-0311
610-278-3722
FAX: 610-278-3941 • TDD: 610-631-1211
WWW.MONTCOPA.ORG

SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

June 8, 2022

Stephanie Cecco, Borough Manager
Borough of Conshohocken
400 Fayette Street, Suite 200
Conshohocken, Pennsylvania 19428

Re: MCPC #22-0134-001
Plan Name: Proposed Stormwater Ordinance
Borough of Conshohocken

Dear Ms. Cecco:

We have reviewed the above referenced zoning text amendment in accordance with Section 609 of Act 247, "The Pennsylvania Municipalities Planning Code", as requested in electronic documentation received in this office on May 12, 2022. We forward this letter as a report of our review.

BACKGROUND

Conshohocken Borough has submitted for review a Stormwater Management Ordinance which would replace the borough's existing regulations and standards for the management of stormwater as required by Chapter 19: Stormwater Management. The ordinance includes new and expanded provisions regarding the following: purpose and intent statements; new definitions, new regulatory provisions and site plan requirements and several appendices with illustrations. The proposed ordinance is based upon the Commonwealth's MS-4 Model Stormwater Ordinance. In general, the ordinance establishes a more holistic approach to stormwater management and recognizes it as an environmental asset as opposed to the current focus on the mitigation of stormwater impacts.

CONSISTENCY WITH THE COUNTY & BOROUGH COMPREHENSIVE PLANS

The borough's proposed Stormwater Management Ordinance is consistent with the goals and objectives of *MONTCO 2040*, A Shared Vision, the county's comprehensive plan. The ordinance supports one of the plan's principle land use goals of, "Create(ing) Sustainable Places". Through its various provisions and regulations, the ordinance will ensure that redevelopment and reinvestment is completed in a manner which is environmentally sustainable and provides greater resiliency for the community.

RECOMMENDATION & COMMENT

The Montgomery County Planning Commission (MCPC) generally supports the proposed Stormwater Management Ordinance. It is our understanding that one of the chief motivations for the proposed ordinance is to ensure consistency between the borough's ordinances and the Commonwealth's Department of Environmental Protection Model Stormwater Ordinance. We applaud this effort and we have no substantive planning or design comments to offer regarding this proposal. We do offer one suggestion, which is to make Appendix B- *Simplified Approach to Stormwater Management for Small Projects*, more available to the general public. The information and graphics in Appendix B are useful and could potentially provide cost savings to an individual homeowner seeking stormwater management solutions for an individual property. We recommend the borough consider making Appendix B available as a resource on the borough's website outside its ordinances listed on E-Code.

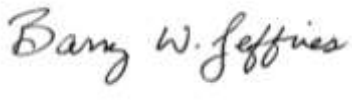
CONCLUSION

The Montgomery County Planning Commission wishes to reiterate that we generally support the submitted Stormwater Management Ordinance and suggest the borough consider our comment regarding making Appendix B available to residents as a stand-alone publication.

Please note that any comment and recommendation contained in this report are advisory to the municipality and final disposition for the approval of any proposal will be made by the municipality.

Should the governing body approve Should the governing body adopt this proposed zoning ordinance/map amendments, Section 609 of the Municipalities Planning Code requires that we be sent an official copy within 30 days.

Sincerely,



Barry W Jeffries, ASLA, Senior Design Planner
bjeffrie@montcopa.org - 610-278-3444

c: Chair, Borough Planning Commission
Karen MacNair, Borough Engineer
Michael Peters, Borough Solicitor

BOROUGH OF CONSHOHOCKEN

BOROUGH COUNCIL Regular Public Work Session Meeting

AGENDA

April 6, 2022
7:00 PM

1.) Call to Order

2.) Council President Announcements

3.) Land Use Matters, Public Hearings and Ordinances:
- a. SEPTA Parking Garage Presentation
- b. Public Hearing on a Petition to Vacate a Portion of Corson Street
- c. Public Hearing on Zoning Ordinance Amendments:
  - i. Zoning ordinance amendment to remove residential uses in SP Zoning Districts
  - ii. Zoning ordinance amendment to amend notice provisions and expiration of approvals
- d. Public Hearing on Waivers of Off-Street Parking:
  - i. 207 Forrest Street, Golf Simulator Club
  - ii. 308 Fayette Street, Our Daily Bagel
  - iii. 128 Fayette Street, Fayette Street Oyster House & Grill
  - iv. 320 Fayette Street, ENJ Wax Studio
- e. Preliminary/Final Minor Subdivision and Land Development for 124 West 1st Ave: EELI, LLC, Applicant
- f. Discussion on a Stormwater Management Ordinance update and a stormwater amendment to the SALDO, Karen MacNair, Borough Engineer

4.) Presentations:
- a. Annual MS4 Presentation, Karen MacNair, Borough Engineer
- b. Proclamation 2022-01 recognizing the 100th birthday of a long-term resident

5.) Council Business:
- a. Conduct interviews for Board and Commission vacancies
- b. Consider appointing applicants to the EAC
- c. Discussion on the CPW Rotary Club special event application for use of the A-Field for the Conshohocken Beer Festival

6.) Manager Matters:
- a. Consider approving 239-301 West 4th Avenue maintenance bond release in the amount of $7,202.25
- b. Consider approving Resolution 2022-09 approving certain supplemental appropriations to the FY2022 Budget
- c. Consider approving Resolution 2022-10 approving and ratifying change order no. 1 for storm sewer repairs on Poplar Street
- d. Consider approving Resolution 2022-11 authorizing the purchase of a Pierce Enforcer Pumper
- e. Consider authorizing an extension of the Towing Agreement with EVB Service Center
- f. Discussion on Conshy Corner Tavern special event application for a fundraiser block party

7.) Department Matters:

8.) Legal Matters:
- a. Consider approving Resolution 2022-12 approving an amendment to the approval of preliminary/final subdivision and land development for Matson Mill
- b. Consider approving an Addendum to the Agreement of Sale for real estate property, specifically tax map parcel nos. 05-00-03100-00-9, 05-00-11828-00-2, 05-00-04880-00-2 and 05-00-02100-00-1
- c. Consider approving a Memorandum of Understanding between the Borough of Conshohocken and the Conshohocken Sewer Authority
- d. Consider approving a Municipal Services Agreement between the Borough of Conshohocken and the Conshohocken Sewer Authority

9.) Council Member and Mayor Matters:
- a. Consider approving the 2022 Annual Conshohocken Arts Festival & Car Show (Mayor Aronson)

10.) Public Comment:

11.) Adjournment:

COUNCIL POLICY ON AGENDA ITEMS

For information Purposes Only

Council President Announcements

This item on the Council Agenda is reserved for the Council President to make announcements that are required under law for public disclosure, such as announcing executive sessions, or for matters of public notice.

Public Comment

Public Comment is taken at the end of each Council Work Session and at the beginning and end of each Voting Session. Constituent comments are important to Borough Council. We welcome your comments. Therefore, we urge constituents to attend and comment at the end of the regularly scheduled Work Session or at the beginning of the Voting Session to ensure that Council can consider the content of your comment prior to their consideration of a formal vote. Note that all comments are limited to two minutes. As a reminder, and if able, please go to the podium and state your name and address. If you need an accommodation to provide public comment, please let a member of the Borough's administrative staff know. The purpose of the public comment section is for you, the public, to inform us, the Council, about your views. Although it is not appropriate for Borough Council or the Borough's staff to answer questions from the general public during the public comment section, if members of the public have factual questions, staff will be glad to address them with you directly, after the meeting. Please speak with the Executive Assistant who will take your contact information so that a staff member can reach out to you directly following the meeting.

Presentations

Should Council have an issue or entity that requires time to present an issue to full Council, that is more than an oral description relating to an agenda item under consideration, Council may have that matter listed under Presentations. If nothing is listed under presentations, then there is no business to conduct in that manner.

Consent Agenda

Items of business and matters listed under the Consent Agenda are considered to be routine and non-controversial and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired by Council Members, that item is to be identified by the Council member and will be identified and removed from the Consent Agenda, and will be considered separately at the appropriate place on the Agenda.

New Business

Items for consideration as new business are matters that have been considered for action at the work session. It is council practice to not introduce new business at the regular business meeting where votes are taken.

BOROUGH OF CONSHOHOCKEN BOROUGH COUNCIL
MINUTES OF THE PUBLIC MEETING

Wednesday, April 6, 2022

PUBLIC MEETING

PRESENT: Colleen Leonard, Council President
Tina Sokolowski, Council Vice-President
Anita Barton, Council Member
Stacy Ellam, Council Member
Kathleen Kingsley, Council Member
Adrian Serna, Council Member
Karen Tutino, Council Member
Yaniv Aronson, Mayor

ALSO PRESENT: Stephanie Cecco, Borough Manager
Michael E. Peters, Borough Solicitor

CALL TO ORDER

The Public Meeting of the Conshohocken Borough Council duly advertised, was held at the Conshohocken Borough Hall, 400 Fayette Street, Conshohocken, PA. Ms. Leonard, Council President, called the meeting to order at 7:01 PM.

COUNCIL PRESIDENT ANNOUNCEMENTS

Ms. Leonard announced that an Executive Session was held prior to the regularly scheduled public meeting on property matters.

Ms. Leonard also announced that an Executive Session was held prior to the regularly scheduled public meeting on legal and personnel matters.

LAND USE MATTERS, PUBLIC HEARINGS AND ORDINANCES

a.) SEPTA Parking Garage Presentation

Kristian Bellotti of McCormick Taylor and Robert Tangi of SEPTA were present to discuss the proposed SEPTA parking garage project. Mr. Bellotti provided an overview of the existing SEPTA site. He reviewed Phase I of the project which includes the relocation of the existing train station with ADA improvements and a grade crossing at Oak Street. He discussed Phase II of the project which consists of a 3-tier parking garage with 343 parking spaces and an adjacent surface parking lot with 191 parking spaces. Mr. Bellotti reviewed the parking garage design, which includes infrastructure for electric vehicle charging stations, ADA accessible parking and flood proofing. He provided an overview of the proposed site improvements, including pedestrian and vehicle access and circulation, and stormwater management. Mr. Bellotti discussed ADA accessibility, the architectural design of the parking garage and safety and security measures for the parking garage and overall site.

Ms. Ellam inquired about parking costs. Mr. Tangi confirmed that there will be parking fees.

Mr. Tangi confirmed that smoke detectors will be installed in elevator lobbies and stairwells. He explained that security cameras will be located within the garage and around the site. He added that surveillance videos are stored and explained that SEPTA would work collaboratively with the Conshohocken Police Department in the event of an incident.

b.) Public Hearing on a Petition to Vacate a Portion of Corson Street

Mr. Peters opened the public hearing on a petition to vacate a portion of Corson Street associated with the 400 West Elm Street land development project. He stated that the property is located to the southwest of the intersection of Corson Street with West Elm Street and northeast of the Schuylkill River Trail in the Borough. He explained that the vacated area would be used to provide access to the parking area for a multifamily residential building to be constructed to either side of the area of Corson Street proposed to be vacated.

Mr. Peters called for public comment in the petition. There were no comments.

The matter was continued to April 20, 2022.

c.) Public Hearing on Zoning Ordinance Amendments:

a. Zoning ordinance amendment to remove residential uses in SP Zoning Districts

Mr. Peters opened the public hearing on a zoning ordinance amendment to remove residential uses from the Specially Planned Districts: SP-1, SP-2, SP-3 and SP-4 Districts. Mr. Peters stated that the Borough has been monitoring development within the Borough and has done a thorough review of what that development means from an emergency management standpoint. He explained that the

analysis revealed that there are approximately 2,146 current residents on the lower end of the Borough, but there are a projected 5,216 residents on the lower end of the Borough upon completion of the already approved developments. Mr. Peters stated, that based on this information, Borough professionals are recommending that residential growth in this area be restricted.

Mr. Peters called for public comment. There were no comments.

The matter was continued to April 20, 2022.

b. Zoning ordinance amendment to amend notice provisions and expiration of approvals

Mr. Peters opened the public hearing on a zoning ordinance amendment to amend administrative zoning provisions. He provided an overview of the proposed ordinance. He stated that the ordinance proposes to reduce the range of required notice from 500 feet of the subject property to 250 feet of the subject property. Mr. Peters explained that given the density of the Borough, a reduction to 250 feet is appropriate. He added that the ordinance also specifies that the Borough will compile the relevant owner contact information regarding properties within 250 feet of the subject property and send the notices, with the cost being paid by the applicant.

He stated that the ordinance includes a provision extending the expiration of variances, special exceptions, and conditional uses from six (6) months to one (1) year. Mr. Peters explained that the Zoning Hearing Board receives many requests for an extension.

Mr. Peters explained that Subsection 5 of section 27-1202 of the Zoning Ordinance's R-O Residential Office District provisions was invalidated by the court, and it will therefore be removed from the codification of the Borough's ordinances.

Mr. Peters called for public comment.

Philip Candelore, 431 East 11th Avenue, asked why Borough Council is considering reducing the range of required notice from 500 feet to 250 feet. Mr. Peters explained that 250 feet was chosen because that is approximately one block in the Borough. He added that, for the Zoning Hearing Board meeting that took place last month, 1,000 notices were sent.

The matter was continued to April 20, 2022.

d.) Public Hearing on Waivers of Off-Street Parking:

a. 207 Forrest Street, Golf Simulator Club

The applicant, Lori Burt, shared that she intends to operate a private, members-only golf simulator club at this location. She stated that the business will operate on reservation only. She explained that she plans to install three (3) simulators, which allows for a maximum of 18 members per time slot. She provided an overview of the business and discussed hours of operation and number of employees. Ms. Burt explained that the site provides (5) five off-street parking spaces and three (3) parking spaces on Forrest Street.

b. 308 Fayette Street, Our Daily Bagel

Alysa Yakeley and Marielle Link, applicants, stated that they are in the process of opening Our Daily Bagel at 308 Fayette Street. Ms. Yakeley provided an overview of the business, including hours of operation and number of employees. She explained that the business is conducive to being a "grab and go" establishment with limited seating (approximately 9 seats). She also explained that customers and employees would most likely walk or utilize the public parking spaces in the SORA West parking garage.

c. 128 Fayette Street, Fayette Street Oyster House & Grill

Peter Dissin, the applicant, was present to request a waiver of off-street parking for the Fayette Street Oyster House & Grill at 128 Fayette Street. He briefly discussed the menu. He shared that that he has agreements with Saint Matthew's Church and Flocco's to utilize their parking lots and discussed use of the SORA West parking garage. He stated that he expects approximately 50 customers per day.

d. 320 Fayette Street, ENJ Wax Studio

The applicant, Ashley Maldonado, shared that she plans to open a full body and face waxing salon. She shared hours of operation and number of employees. She confirmed that services would be provided by appointment only.

e.) Preliminary/Final Minor Subdivision and Land Development for 124 West 1st Ave: EELI, LLC, Applicant

Mr. Peters provided an overview of the application, which proposes to subdivide the lot into two (2) lots, demolish the existing attached single-family home and construct two (2) attached single-family homes. He shared that Zoning Hearing Board has granted zoning approval with conditions and the Planning Commission has recommended approval of the application.

Rob Cunningham, the applicant's Engineer, reviewed the application and stated that the applicant was granted dimensional variances. Mr. Cunningham explained that the applicant is required to mitigate impact with respect to stormwater management, and the applicant will do so. He reviewed the requested waivers and the reasons for each.

Ms. Tutino asked if the applicant is proposing to construct garages in the rear of the property. Mr. Cunningham responded that each new dwelling would have a garage and a driveway in the rear with access to the alley.

Ms. Barton inquired about the building height. Mr. Cunningham confirmed that the proposed building height complies with the Zoning Ordinance.

f.) Discussion on a Stormwater Management Ordinance update and a stormwater amendment to the SALDO, Karen MacNair, Borough Engineer

Karen MacNair was present to provide to disscuss a stormwater management ordinance update and an amendment to the stormwater portion of the Subdivision and Land Development Ordinance (SALDO). She explained that adoption of the model stormwater management ordinance is a DEP requirement as part of the Borough's MS4 permit. She further explained that she is recommending amending the stormwater portion of the SALDO to ensure both ordinances are consistent. She reviewed the provisions of the proposed stormwater management ordinance and the revisions to the SALDO.

PRESENTATIONS

a.) Annual MS4 Presentation, Karen MacNair, Borough Engineer

Karen MacNair, Borough Engineer, was present to provide an update on the Municipal Separate Storm Sewer System (MS4). Ms. MacNair explained that the MS4 permit authorizes the Borough to discharge stormwater to the Plymouth Creek and Schuylkill River. She discussed the permit requirements, which include the reduction of discharge of pollutants and the removal of hazardous connections. She reviewed the six (6) Minimum Control Measures that the Borough must implement in order to meet the requirements of the permit.

Ms. MacNair explained that the Borough is also required to implement a Pollutant Reduction Plan to reduce sediment carried in stormwater within the Plymouth Creek watershed by ten percent. She confirmed that the Borough's Pollutant Reduction Plan, to construct an underground basin at Sutcliffe Park, has been approved by the DEP and must be implemented by February 2025. She shared that surveying and soil testing has been completed and that Gilmore and Associates is currently working on design.

b.) Proclamation 2022-01 recognizing the 100th birthday of a long-term resident

Borough Council recognized the 100th birthday of Anna Coscia.

COUNCIL BUSINESS

a.) Conduct interviews for Borough Board and Commission vacancies

Ms. Leonard introduced Mary Kiernan who was present to interview for the Zoning Hearing Board and Planning Commission. Ms. Kiernan spoke about the growth and development that has occurred in the Borough over the past 25 years. She discussed opportunities to improve the walkability and connectivity from the waterfront to the upper avenues.

b.) Consider appointing applicants to the EAC

Ms. Kingsley made a motion to appoint Bob Molony, Justin Claffey and Dianne Piccone to the EAC, seconded by Ms. Barton. The motion carried 7-0.

c.) Discussion on the CPW Rotary Club special event application for use of the A-Field for the Conshohocken Beer Festival

Andrew Tarry, Joe Robinson and Emily Zabrodski from the CPW Rotary were present to discuss the request to utilize the A-Field for the Conshohocken Beer Festival for 2022, 2023 and 2024. Mr. Robinson stated that the Rotary Club has held the event six (6) times and that most of the events have been held in Conshohocken. Mr. Tarry provided an overview of the event coordination that occurs between the Rotary Club and Borough Administration and Emergency Management personnel. He discussed event layout

changes and anticipated number of attendees. Mr. Tarry stated that a portion of the proceeds from the event go to Conshohocken.

Mr. Serna asked if the Rotary Club has reached out to residents in the area for their feedback on the event. Ms. Zabrodski replied that the Rotary Club has not solicited public input on the event and that they are not aware of any complaints. She stated that Rotary Club volunteers pick up trash during and after the event. Mr. Tarry added that the Rotary Club and Borough officials hold a debrief meeting following the event to address any issues and improve the event. However, they were not able to provide an exact financial breakdown as requested.

Ms. Barton asked if the Rotary Club has reached out to Plymouth Township about hosting the event. Mr. Tarry responded that the Rotary Club has previously hosted the event at the Proving Grounds but reported that that location is no longer an option.

Ms. Ellam asked how much of the proceeds from the event are allocated to Conshohocken. Mr. Robinson replied that there is not a specific amount that is allocated to Conshohocken. He and Mr. Tarry discussed how the Rotary Club has contributed to the Colonial Neighborhood Council through fundraising events, such as the Conshohocken Beerfest. Mr. Tarry added that the Rotary Club has also donated to Conshohocken Elementary.

Mr. Tarry explained that the Rotary club offers shuttle buses and provides security services to minimize the impact to surrounding neighbors.

Mr. Serna made a motion to deny CPW Rotary's request to utilize the A-Field for the Conshohocken Beer Festival for 2022, 2023 and 2024, seconded by Ms. Ellam. Ms. Tutino opposed. The motion carried 6-1.

MANAGER MATTERS

a.) Consider approving 239-301 West 4th Avenue maintenance bond release in the amount of $7,202.25

Ms. Cecco stated that the 18-month maintenance bond period for the 239-301 West 4th Avenue land development project ends in April 2022. She explained that the Borough Engineer performed a site inspection of public improvements and is recommending release of the maintenance bond in the amount of $7,202.25.

Ms. Sokolowski made a motion to approve 239-301 West 4th Avenue maintenance bond release in the amount of $7,202.25, seconded by Mr. Serna. The motion carried 7-0.

b.) Consider approving Resolution 2022-09 approving certain supplemental appropriations to the FY2022 Budget

Ms. Cecco explained that, due to global supply chain issues and inflation, the cost of capital projects earmarked for the 2022 Capital Budget have significantly increased from when those same projects were approved in 2021. She stated that Borough Administration will move forward with budgeted projects up to a 30% price increase. She added that increased costs would be covered through Capital Reserves or Park and Rec Impact Funds. She reviewed first quarter supplemental appropriations for approved 2022 Capital projects.

Mr. Serna made a motion to approve Resolution 2022-09 approving the following supplemental appropriations to the FY2022 Budget: $3,110 increase for the Community Center Front Door Replacement Project; $9,648.50 increase for the Public Meeting Room AV Equipment Update; and $9,002.09 increase for the purchase of the Public Services Mastic Patcher, seconded by Ms. Ellam. The motion carried 7-0.

c.) Consider approving Resolution 2022-10 approving and ratifying change order no. 1 for storm sewer repairs on Poplar Street

Ms. Cecco stated that Borough Council previously authorized the emergency expenditure of funds to repair the collapsed roadway and replace the collapsed storm sewer system on Poplar Street. She explained that given the nature of the work to be performed, as well as global supply chain issues occurring, the quantity and cost of some of the materials have increased. She asked Council to consider approving change order no. 1 in amount of $4,809.91 to complete the pipe replacement work.

Ms. Kingsley made a motion to approve Resolution 2022-10 approving and ratifying change order no. 1 for storm sewer repairs on Poplar Street in the amount of $4,809.91, seconded by Ms. Barton. The motion carried 7-0.

d.) Consider approving Resolution 2022-11 authorizing the purchase of a Pierce Enforcer Pumper

Ms. Cecco shared that Borough Administration is seeking Council's approval to purchase a Pierce Enforcer Pumper for the Conshohocken Fire Department. She explained that the Pumper would be purchased through COSTARS using CARES Act funding.

Ms. Barton made a motion to approve Resolution 2022-11 authorizing the purchase of a Pierce Enforcer Pumper, seconded by Mr. Serna. The motion carried 7-0.

e.) Consider authorizing an extension of the Towing Agreement with EVB Service Center

Ms. Cecco asked Council to consider authorizing a one (1) year extension of the Towing Agreement with EVB Service Center until December 31, 2023. She detailed the exceptional service provided by EVB Towing, specifically during Tropical Storm Ida.

f.) Discussion on Conshy Corner Tavern special event application for a fundraiser block party
Steph to discuss request block party request

Ms. Cecco shared that David Keller, owner of Conshy Corner Tavern is requesting approval to close Jones Street from Spring Mill Avenue to East Hector Street from 1pm to 7pm on June 5, 2022 to host a block party fundraiser. She stated that Borough Administration has reviewed the application and have no issues. She added that Mr. Keller has submitted all required certifications. Ms. Barton inquired about how the event would impact the Conshohocken Italian Bakery. Ms. Cecco and Mayor Aronson replied that the request letter indicates that Mr. Keller and the owner of the Conshohocken Italian Bakery will be working together.

Ms. Sokolowksi made a motion to approve the Conshy Corner Tavern special event application for a fundraiser block party on behalf of HOW Charities on June 5, 2022 from 1pm to 7pm contingent on final review and approval by Administration, seconded by Ms. Barton. The motion carried 7-0.

DEPARTMENT MATTERS

There were no department matters.

LEGAL MATTERS

a.) Consider approving a Resolution approving an amendment to the approval of preliminary/final subdivision and land development for Matson Mill

Mr. Peters reviewed the resolution which amends the approval of preliminary/final subdivision and land development for Matson Mill by granting an extension of the timeline within which the developer will be required to post financial security for the Oak Street Crossing. He asked Council to review the proposed resolution and consider its approval at the April 20, 2022 Council meeting.

b.) Consider approving an Addendum to the Agreement of Sale for real estate property, specifically tax map parcel nos. 05-00-03100-00-9, 05-00-11828-00-2, 05-00-04880-00-2 and 05-00-02100-00-1

Mr. Peters reviewed the Addendum to the Agreement of Sale which would extend the closing date and the Borough's due diligence period for a period of 45 days.

There was no public comment.

Mr. Serna made a motion to approve an Addendum to the Agreement of Sale for real estate property, specifically tax map parcel nos. 05-00-03100-00-9, 05-00-11828-00-2, 05-00-04880-00-2 and 05-00-02100-00-1, seconded by Ms. Ellam. The motion carried 7-0.

c.) Consider approving a Memorandum of Understanding between the Borough of Conshohocken and the Conshohocken Sewer Authority

Mr. Peters reviewed the Memorandum of Understanding between the Borough of Conshohocken and the Conshohocken Sewer Authority.

There was no public comment.

Mr. Serna made a motion to approve a Memorandum of Understanding between the Borough of Conshohocken and the Conshohocken Sewer Authority, seconded by Ms. Kingsley. The motion carried 7-0.

d.) Consider approving a Municipal Services Agreement between the Borough of Conshohocken and the Conshohocken Sewer Authority

Mr. Peters reviewed the Municipal Services Agreement between the Borough of Conshohocken and the Conshohocken Sewer Authority.

There was no public comment.

Mr. Serna made a motion to approve a Municipal Services Agreement between the Borough of Conshohocken and the Conshohocken Sewer Authority, seconded by Ms. Ellam. The motion carried 7-0.

COUNCIL MEMBER AND MAYOR MATTERS

a.) Consider approving the 2022 Annual Conshohocken Arts Festival & Car Show (Mayor Aronson)

Mayor Aronson shared information about the 2022 Conshohocken Arts Festival & Car Show. He reviewed event details, shared a map of the event and discussed road closures and entertainment.

Mr. Serna made a motion to approve the 2022 Annual Conshohocken Arts Festival and Car Show on June 4, 2022 with a rain date of June 11, 2022, seconded by Ms. Kingsley. The motion carried 7-0.

Ms. Ellam shared event information for Conshohocken Little League Opening Day.

Mr. Barton reminded everyone to drive safely around children.

Mr. Serna encouraged everyone to attend the 60th Annual Donofrio Classic at the Community Center.

Ms. Sokolowski shared that the Sewer Authority hired a new Executive Director.

PUBLIC COMMENT

Philip Candelore, 431 East 11th Avenue, asked for clarification on the motion regarding the Beer Festival. Ms. Leonard replied that the motion was to deny CPW Rotary's request to utilize the A-Field for the Conshohocken Beer Festival for 2022, 2023 and 2024. Mr. Candelore expressed his disappointment with no longer hosting the event in Conshohocken.

Jackie Rocco, 111 East 10th Avenue, asked why Council voted against the request to hold the Conshohocken Beerfest at the A-Field. Ms. Rocco explained that the information would be useful when looking for an alternative site.

Mike Makoid, 112 W 9th Avenue, expressed his excitement for the Conshohocken Arts Festival and Car Show. He asked Council to provide a reason for why they voted to deny the Rotary Club's request to hold the Conshohocken Beerfest at the A-Field.

Walt Hartnett, 349 Spring Mill Ave and Commander of the VFW, shared the Flag Planting schedule and the tentative schedule for the VFW Memorial Day Services. He requested that the Hometown Hero Banners be installed one (1) week before Memorial Day. Mr. Harnett reported that the memorial at 2nd Avenue is in poor condition. He asked Council to consider authorizing the creation of a Veteran Advisory Board.

ADJOURNMENT

The meeting was adjourned at 8:55 PM.

Respectfully Submitted,

_____

Stephanie Cecco,
Borough Secretary

BOROUGH OF CONSHOHOCKEN

Planning Commission

AGENDA

Thursday, May 12, 2022, 7:00 PM

1.) Call to Order

2.) New Business:

a. Conditional Use Application for 150 West Ninth Avenue: Emily & John Crabtree, Applicant
b. Stormwater Management Ordinance update and Stormwater Amendment to the SALDO

3.) Old Business:

4.) Announcements/Discussion

5.) Adjournment:

CONSHOHOCKEN BOROUGH PLANNING COMMISSION
MEETING MINUTES/REPORT TO CONSHOHOCKEN BOROUGH COUNCIL

MEETING DATE: May 12, 2022

AGENDA ITEM #1 – CONDITIONAL USE APPLICATION

APPLICANT: Emily and John Crabtree
PROPERTY: 150 West 9th Avenue

COMMISSION ACTION: Recommendation for approval of conditional use application as presented.

MATERIALS REVIEWED: The Planning Commission reviewed the following materials:

1. conditional use application with addendum
2. boundary and topographic survey prepared by Ruggiero Plante Land Design, dated November 15, 2021, no revisions
3. plan showing building footprint, undated
4. structural report prepared by SE2 Engineering, LLC, dated March 25, 2022
5. presentation for conditional use application, 10 slides
6. zoning determination from Borough Zoning Officer, dated May 5, 2022

MEETING SUMMARY:

The applicant proposes to demolish the existing single-family detached dwelling on the property and construct a new single-family detached dwelling in its place. Because the existing dwelling is more than 50 years old, a conditional use is required. The existing single-family detached dwelling is approximately 1,139 square feet. The proposed single-family detached dwelling is approximately 3,175 square feet.

The following members of the Planning Commission were present: Elizabeth MacNeal, Chair, Daniel Swartley McArdle, Vice Chair, David Swedkowski, and Judy Smith-Kressley. Also present for the Borough were Borough Solicitor, Michael Peters, Esquire, Geoffrey Attanasio from the Borough Engineer's office, Borough Zoning Officer, Eric Johnson, P.E., and the Executive Assistant to the Borough Manager, Brittany Rogers.

Present for the applicant were Emily and Jon Crabtree.

Jon Crabtree presented a Powerpoint presentation outlining the proposal. Mr. Crabtree explained that there is currently a bungalow on the property. The property next door previously contained a single-family detached dwelling, which was demolished and

two single-family detached dwellings constructed in its place in approximately late 2019. The existing bungalow was constructed in the 1920s, necessitating the relief.

Mr. Crabtree explained that the home was designed to stay within the dimensional requirements of the zoning code, including the required setbacks. The curb cut on Maple Street is proposed to remain, and the garage for the home will continue to be accessed at that point. The home is proposed to be a 2-story home, with building coverage slightly higher than current.

Mr. Crabtree explained that they had investigated keeping existing aspects of the home to avoid the conditional use process, but that trying to do so resulted in higher interest rates and a worse design.

The massing, height, footprint, and general color scheme of the home will match what was presented in the Powerpoint presentation. Final material choices are ongoing.

The applicants explained that they intended to live in the new home with their family.

Member Smith-Kressley asked the applicants whether the lot size and coverage requirements under the zoning ordinance would be met, and the applicants replied in the affirmative. The Borough Zoning Officer explained that the setbacks as proposed are permitted because the property contains two “front yards”, and the setback at those front yards is permitted to match the established setback line on each street.

Member Smith-Kressley asked the applicants whether they would comply with the Borough’s stormwater requirements, and the applicants replied in the affirmative.

Member MacNeal had no questions.

Member Swedkowski explained that his concerns had been addressed during the presentation, and that he was supportive of the project.

Chair MacNeal asked the Borough Solicitor to confirm that the only item before the Planning Commission was the conditional use required due to the age of the home. The Borough Solicitor confirmed that the conditional use was the only aspect of the project before the Planning Commission.

Chair MacNeal called for public comment. Diane Piccone from 821 Harry Street provided comment. Ms. Piccone stated that she is a member of the Borough’s Environmental Advisory Council (“EAC”) and that the EAC is working on an initiative to encourage native plantings. Ms. Piccone explained the myriad benefits of native plantings. The applicants stated that they would be interested in exploring native plantings for the project, and would touch base. with Ms. Piccone and consider any literature the EAC may issue.

Member Smith-Kressley made a motion to recommend approval of the conditional use as presented. Member MacNeal seconded the motion, and the motion was passed unanimously.

AGENDA ITEM #2—SALDO AMENDMENT REGARDING STORMWATER MANAGEMENT/STORMWATER MANAGEMENT ORDINANCE

COMMISSION ACTION: Recommendation of adoption of ordinances with the recommendation that the Borough investigate incentives/education to encourage stormwater management for projects 600 square feet and smaller.

MATERIALS REVIEWED:

1. ordinance amending SALDO § 410 *Drainage*
2. ordinance adopting new Stormwater Management Ordinance (Chapter 19 of Borough's Code of Ordinances)

MEETING SUMMARY:

Two ordinances are being considered by Borough Council. One is an entirely new stormwater management ordinance, matching the model ordinance issued by the Pennsylvania Department of Environmental Protection ("DEP") in connection with the MS4 program. The other is an amendment to the Borough's Subdivision and Land Development Ordinance's section on drainage.

The following members of the Planning Commission were present: Elizabeth MacNeal, Chair, Daniel Swartley McArdle, Vice Chair, David Swedkowski, and Judy Smith-Kressley. Also present for the Borough were Borough Solicitor, Michael Peters, Esquire, Geoffrey Attanasio from the Borough Engineer's office, Borough Zoning Officer, Eric Johnson, P.E., and the Executive Assistant to the Borough Manager, Brittany Rogers.

Mr. Attanasio, from the Borough Engineer's office, presented both ordinances to the Planning Commission.

With respect to the stormwater management ordinance, Mr. Attanasio explained that the ordinance before the Planning Commission was written to comply with the model ordinance issued by DEP in connection with the Borough's participation in the NPDES/MS4 program. The ordinance as presented was prepared by the Borough Engineer's office, and reviewed by the Borough Solicitor and Borough administration.

Mr. Attanasio explained that the Borough is obligated to remain compliant with the MS4 requirements, and as such adoption of the new ordinance was required. Mr. Attanasio explained that the vast majority of the new ordinance addressed larger land development projects.

The new ordinance exempts projects under 600 square feet, and for projects between 601 square feet and 1000 square feet, the ordinance provides a process for small stormwater projects with examples that can be followed by homeowners.

Member Smith-Kressley asked where the small project information was located, and Mr. Attanasio explained that the information is provided at appendix “B” of the ordinance.

Member MacNeal had no questions.

Member Swedkowski asked about the existing requirements for small projects. Mr. Attanasio, the Borough Solicitor, and the Borough Zoning Officer explained how the Borough currently handles small projects, and that the new ordinance will make the process more uniform and creates clear expectations for homeowners.

Chair MacNeal suggested that the Borough explore potential incentives for persons to perform stormwater management for projects 600 square feet and under. Mr. Attanasio did explain that part of the MS4 program was the requirement for public education.

Member Swedkowski had the same concern regarding projects under 600 square feet, and agreed that incentive/education should be encouraged.

Mr. Attanasio explained that the second ordinance under consideration was the amendment to the drainage section of the SALDO, which was designed to coincide with the new stormwater management ordinance. The Planning Commission did not have specific questions regarding the SALDO amendment.

Chair MacNeal made a motion to recommend adoption of both ordinances, with the recommendation that the Borough investigate additional incentives/education to encourage stormwater management for projects 600 square feet and smaller. Member Smith-Kressley seconded the motion, which was approved unanimously.

BOROUGH OF CONSHOHOCKEN

BOROUGH COUNCIL Regular Public Meeting

AGENDA

June 15, 2022
7:00 PM

1.) Call to Order

2.) Pledge of Allegiance

3.) Council President Announcements

4.) Public Comment *(for agenda items only)*

5.) Presentations:
- a. Recognition of Quick Response Service (QRS) Certification
- b. Proclamation 2022-05 recognizing June 19, 2022 as Juneteenth

6.) Land Use Matters, Public Hearings and Ordinances
- a. Public Hearing on a Conditional Use Application for 150 West Ninth Avenue: Emily and Jon Crabtree, Applicant
- b. Public Hearing on Stormwater Management Ordinances
  - i. Stormwater Management Ordinance
  - ii. Ordinance Amendment to the Stormwater Management Section of the SALDO
- c. Borough Trash and Recycling Alternative Trial Period, Ray Sokolowski, Executive Director of Operations

7.) Consent Agenda *Items of business and matters listed under the Consent Agenda are considered to be routine and non-controversial and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired by Council Members, that item is to be identified and removed from the Consent Agenda, and will be considered separately at the appropriate place on the Agenda.*

- a.) Approve and adopt the May 4 and May 18 Regular Meeting Minutes
- b.) Approve the May-ending Treasurer's Report and Accounts Payable

8.) New Business
- a. Consider approving the submission of a request for revision to the 2019 CDBG contract from DCED to add curb ramp installation as a 2019 CDBG activity

9.) Unfinished Business
- a. Consider approving a waiver of off-street parking for 108 ½ Fayette Street, Morning Talk Café
- b. Consider approving a quote to paint the interior of the Mary Wood Park House
- c. Consider approving the issuance of an RFP for the replacement of the Mary Wood Park House roof
- d. Consider approving a fundraiser event for the Mary Wood Park House

10.) Council Member and Mayor Matters
- a. Fireworks and Soap Box Derby Community Reminder (Council President Leonard)

11.) Public Comment

12.) Adjournment:

COUNCIL POLICY ON AGENDA ITEMS

For information Purposes Only

Council President Announcements

This item on the Council Agenda is reserved for the Council President to make announcements that are required under law for public disclosure, such as announcing executive sessions, or for matters of public notice.

Public Comment

Public Comment is taken at the end of each Council Work Session and at the beginning and end of each Voting Session. Constituent comments are important to Borough Council. We welcome your comments. Therefore, we urge constituents to attend and comment at the end of the regularly scheduled Work Session or at the beginning of the Voting Session to ensure that Council can consider the content of your comment prior to their consideration of a formal vote. Note that all comments are limited to two minutes. As a reminder, and if able, please go to the podium and state your name and address. If you need an accommodation to provide public comment, please let a member of the Borough's administrative staff know. The purpose of the public comment section is for you, the public, to inform us, the Council, about your views. Although it is not appropriate for Borough Council or the Borough's staff to answer questions from the general public during the public comment section, if members of the public have factual questions, staff will be glad to address them with you directly, after the meeting. Please speak with the Executive Assistant who will take your contact information so that a staff member can reach out to you directly following the meeting.

Presentations

Should Council have an issue or entity that requires time to present an issue to full Council, that is more than an oral description relating to an agenda item under consideration, Council may have that matter listed under Presentations. If nothing is listed under presentations, then there is no business to conduct in that manner.

Consent Agenda

Items of business and matters listed under the Consent Agenda are considered to be routine and non-controversial and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired by Council Members, that item is to be identified by the Council member and will be identified and removed from the Consent Agenda, and will be considered separately at the appropriate place on the Agenda.

New Business

Items for consideration as new business are matters that have been considered for action at the work session. It is council practice to not introduce new business at the regular business meeting where votes are taken.

BOROUGH OF CONSHOHOCKEN BOROUGH COUNCIL
MINUTES OF THE PUBLIC MEETING

Wednesday, June 15, 2022

PUBLIC MEETING

PRESENT: Colleen Leonard, Council President
Tina Sokolowski, Council Vice-President
Anita Barton, Council Member
Stacy Ellam, Council Member
Kathleen Kingsley, Council Member
Adrian Serna, Council Member

Yaniv Aronson, Mayor

ALSO PRESENT: Stephanie Cecco, Borough Manager
Michael E. Peters, Borough Solicitor

CALL TO ORDER

The Public Meeting of the Conshohocken Borough Council duly advertised, was held at the Conshohocken Borough Hall, 400 Fayette Street, Conshohocken, PA. Ms. Leonard, Council President, called the meeting to order at 7:00 PM.

COUNCIL PRESIDENT ANNOUNCEMENTS

Ms. Leonard announced that an Executive Session was held immediately prior to the regularly scheduled public meeting on property and collective bargaining matters.

PRESENTATIONS

a.) Recognition of Quick Response Service (QRS) Certification

Ms. Leonard shared that Borough of Conshohocken, in conjunction with Narberth Ambulance and the Conshohocken Fire Department, has completed and implemented a Quick Response Services (QRS) Program. She discussed the program and thanked the individuals involved in the process.

b.) Proclamation 2022-05 recognizing June 19, 2022 as Juneteenth in the Borough of Conshohocken

Ms. Sokolowski read a proclamation recognizing June 19, 2022 as Juneteenth in the Borough of Conshohocken.

LAND USE MATTERS, PUBLIC HEARINGS AND ORDINANCES

a.) Public Hearing on a Conditional Use Application for 150 West Ninth Avenue: Emily and Jon Crabtree, Applicant

Mr. Peters opened the public hearing. He explained that the applicant is seeking conditional use to demolish the existing single-family detached dwelling on the property and construct a new single-family detached dwelling.

Mr. Peters asked for any public comment. There was no public comment.

Jon Crabtree, applicant, provided an overview of the site and existing conditions. He explained that the new home meets all dimensional requirements of the zoning code, including the required setbacks. He stated that the existing curb-cut on Maple Street and 2-car garage that would be located underneath the home, which is similar to the current configuration. Mr. Crabtree presented renderings and proposed floorplans.

Mr. Peters reviewed the proposed conditions of approval.

Ms. Kingsley made a motion to grant conditional use approval for 150 West 9th Avenue pursuant to part 19-C of the Borough Zoning Ordinance subject the conditions of approval, seconded by Mr. Serna. The motion carried 6-0. (Tutino absent)

b.) Public Hearing on Stormwater Management Ordinances

a. Stormwater Management Ordinance

Mr. Peters opened the public hearing regarding an amendment to the Borough's Stormwater Management Ordinance.

Geoff Anttanasio, Gilmore & Associates, stated that the proposed ordinance was written to comply with the model ordinance issued by the DEP in connection with the Borough's participation in the MS4 program. He explained that the new ordinance exempts projects under 600 square feet, and for projects between 601 square feet and 1000 square feet, the ordinance provides a process for small stormwater projects with examples that can be followed by homeowners.

Mr. Peters provided an overview of the ordinance which includes new and expanded provisions regarding purpose and intent statements, definitions, regulations and site plan requirements and several appendices with illustrations.

Mr. Peters asked for public comment. There was no public comment. He continued the hearing on the record to July 20, 2022.

b. Ordinance Amendment to the Stormwater Management Section of the SALDO

Mr. Peters opened the public hearing regarding an amendment to the Stormwater Management section of the Subdivision and Land Development Ordinance (SALDO). He explained that the proposed ordinance amends the drainage section of the SALDO, which was designed to coincide with the new stormwater management ordinance. He provided an overview of the ordinance which includes current and new provisions regarding stormwater management (SWM) standards and site plan requirements, operation and maintenance, fees and expenses, and enforcement and penalties.

Mr. Peters called for public comment. There was no public comment. He continued the hearing on the record to July 20, 2022.

c.) Borough Trash and Recycling Alternative Trial Period, Ray Sokolowski, Executive Director of Operations

Ray Sokolowski, Executive Director of Operations, and Frank Perry, Foreman, were present to discuss a potential change to the trash and recycling schedule. Mr. Sokolowski explained that Borough Administration has analyzed data regarding the tonnage of solid waste collected on each of the collection days and has determined that the Borough could collect trash once-per-week and still meet the needs of those receiving collection service from the Borough. He asked Council to consider approving a 3-month trial period beginning August 2022 through October 2022 to evaluate the functionality of once-a-week trash and recycling pick-up. He discussed how reducing collection to one time per week carries financial, administrative, logistical, and environmental benefits. Mr. Perry stated that the Public Services employees are supportive of the change in collection service. He explained how reducing collection to one time per week would allow Public Services employees to dedicate more time and skills to other areas of Public Services, such as parks, buildings, streets, and landscaping.

Mr. Aronson inquired about yard waste collection and bulk trash pick-up. Mr. Sokolowski replied that there would be no change to the yard waste schedule. He explained that the Borough would be evaluating the Borough's current bulk trash pick-up schedule during the trial period.

Ms. Leonard asked for public comment on the agenda item.

Bridget Fernandez, 146 West 4th Avenue, suggested that the Borough remind residents about the trash collection rules and regulations. She recommended that residents place their trash and recycle bins next to their neighbor's bins at the curb on collection day.

Philip Candelore, 431 East 11th Avenue, inquired about the holiday collection schedule. Mr. Sokolowski responded that if a holiday falls on a Monday, trash and recycling would be picked up on Wednesday.

Carol Smith, 109 Maple Street, voiced her support in reducing collection to one time per week.

Ms. Sokolowski asked how residents can contact the Borough with questions, concerns, or complaints. Ms. Cecco explained how the Borough plans to communicate the trial period to the public.

Ms. Cecco explained that, if approved, Borough Administration would evaluate the functionality of once-a-week trash and recycling pick-up from August 2022 through October 2022. She added that Council would then reconvene to evaluate the results of the trial period over the course of the months of November and December so that a definitive action plan is in place for fiscal year 2023.

Ms. Ellam made a motion to approve a Borough Trash and Recycling Alternative Trial Period to take place over the course of August 2022 – October 2022, seconded by Ms. Barton. The motion carried 6-0. (Tutino absent)

CONSENT AGENDA

Ms. Leonard read and reviewed the items included on the consent agenda.

a.) **Approve and adopt the May 4 and May 18 Regular Meeting Minutes**
b.) **Approve the May-ending Treasurer's Report and Accounts Payable in the amount of $711,383.98**

Ms. Barton made a motion to approve and adopt the May 4 and May 18 Regular Meeting Minutes, seconded by Ms. Kingsley. The motion carried 6-0. (Tutino absent)

Ms. Sokolowski made a motion to approve the May-ending Treasurer's Report and Accounts Payable in the amount of $711,383.98, seconded by Mr. Serna. The motion carried 6-0. (Tutino absent)

NEW BUSINESS

a.) **Consider approving the submission of a request for revision to the 2019 CDBG contract from DCED to add curb ramp installation as a 2019 CDBG activity**

Ms. Cecco asked for Council's approval to apply for a revision of the 2019 CDBG contract to add curb ramp installation as a 2019 activity and transfer $35,000.00 from housing rehabilitation funding to curb ramp installation. Ms. Cecco explained that the 2019 CDBG contract for housing rehabilitation has funds available that can be transferred to the 2022 curb ramp project to cover construction and engineering costs. She explained that rehabilitation funds are being spent at a much slower rate than originally anticipated because of COVID, cost of materials and difficulty identifying eligible applicants.

Mr. Serna made a motion to approve the submission of a request for revision to the 2019 CDBG contract from DCED to add curb ramp installation as a 2019 CDBG activity, and to transfer funds from housing rehabilitation activity to curb ramp installation in the amount of $35,000.00, seconded by Ms. Ellam. The motion carried 6-0. (Tutino absent)

UNFINISHED BUSINESS

a.) **Consider approving a waiver of off-street parking for 108 ½ Fayette Street, Morning Talk Café**

Ms. Kingsley made a motion to approve a waiver of off-street parking for 108 ½ Fayette Street, Morning Talk Café, seconded by Mr. Serna. The motion carried 6-0. (Tutino absent)

b.) **Consider approving a quote to paint the interior of the Mary Wood Park House**

Ms. Cecco shared that the Borough received two (2) proposals to paint the first floor of the Mary Wood Park House. She stated that Borough Administration is recommending that Borough Council consider approving a painting quote with C&M Painters Inc for the Mary Wood Park House in a not to exceed amount of the $8,000 from the Mary Wood Park Fund.

Ms. Barton made a motion to approve a painting quote with C&M Painters Inc for the Mary Wood Park House in a not to exceed amount of the $8,000 from the Mary Wood Park Fund, seconded by Ms. Ellam. The motion carried 6-0. (Tutino absent)

c.) **Consider approving the issuance of an RFP for the replacement of the Mary Wood Park House roof**

Ms. Cecco explained that the Mary Wood Park Commission is requesting Council's approval to issue an RFP for the replacement of the Mary Wood Park House. She added that, if approved, Borough Administration would draft and issue the RFP and evaluate next steps based on proposals.

Ms. Ellam made a motion to approve the issuance of an RFP for the replacement of the Mary Wood Park House Roof, seconded by Mr. Serna. The motion carried 6-0. The motion carried 6-0. (Tutino absent)

d.) **Consider approving a fundraiser event for the Mary Wood Park House**

Ms. Cecco shared that the Mary Wood Park Commission would like to host a fundraiser for the Mary Wood Park House at Leeland Mansion sometime in the fall of 2022. She explained that the Commission is required to seek approval of the event from Borough Council and the Friends of Conshohocken Parks.

Ms. Kingsley made a motion to approve a fundraiser event for the Mary Wood Park House to be hosted by HOW Properties, seconded by Ms. Barton. The motion carried 6-0. (Tutino absent)

COUNCIL MAYOR AND MAYOR MATTERS

a.) **Fireworks and Soap Box Derby Community Reminder (Council President Leonard)**

Ms. Leonard announced that the Fireworks event is scheduled for July 3, 2022, with fireworks starting approximately at 9:30pm and the Soap Box Derby to be held on 7/4 from 8:00am to 5:00pm on Fayette Street

Ms. Leonard also announced that the July Work Session is canceled.

Mayor Aronson thanked all parties responsible for making the Arts Festival and Car Show a success.

Ms. Ellam shared the schedule and event details for the 2022 Summer Concert Series.

Ms. Barton announced that the Recreation Department would be hosting Movie Night in the Park featuring Encanto on June 17, 2022, at Sutcliffe Park.

PUBLIC COMMENT

Bridget Fernandez, 146 West 4th Avenue, inquired about the scope of services related to the painting of the Mary Wood Park House. Ms. Leonard responded that the proposal is for interior painting of the first floor of the Mary Wood Park House and described the current condition of the walls.

ADJOURNMENT

The meeting was adjourned at 7:23 PM.

Respectfully Submitted,

_____
Stephanie Cecco,
Borough Secretary

BOROUGH OF CONSHOHOCKEN

BOROUGH COUNCIL Regular Public Meeting

AGENDA

July 20, 2022
7:00 PM

1.) Call to Order

2.) Pledge of Allegiance

3.) Council President Announcements

4.) Public Comment *(for agenda items only)*

5.) Presentations:

6.) Land Use Matters, Public Hearings and Ordinances

a. Hearing on a waiver of off-street parking, 320 Fayette Street, Witch's Way Craft
b. Public Hearing on a Conditional Use Application for 911 Fayette Street: Jefferson Ave Insurance, Jeffrey Gallo, Applicant
c. Consider adopting Ordinance 10-2022 adopting a Stormwater Management Ordinance
d. Consider adopting Ordinance 11-2022 amending the Stormwater Management section of the SALDO

7.) Consent Agenda *Items of business and matters listed under the Consent Agenda are considered to be routine and non-controversial and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired by Council Members, that item is to be identified and removed from the Consent Agenda, and will be considered separately at the appropriate place on the Agenda.*

a.) Approve and adopt the June 1 and June 15 Regular Meeting Minutes
b.) Approve the June-ending Treasurer's Report and Accounts Payable
c.) Approve Resolution 2022-17 establishing a trial period of once weekly trash service

8.) New Business

a. Consider adopting DCED's Procurement and Policy Directive for federally funded projects
b. Consider approving Resolution 2022-18 designating an authorized signer to execute contracts related to FEMA Disaster Assistance for Storm Ida
c. Consider ratifying a settlement agreement for 701 Fayette Street
d. Consider approving 720 Spring Mill Ave escrow release no. 1 for demolition in the amount of $74,983.50

9.) Unfinished Business

a. Consider awarding a bid for the 2022 CDBG Curb Ramp Project
b. Consider approving Resolution 2022-19 authorizing the transfer of title to real estate property from the Conshohocken Sewer Authority to the Borough of Conshohocken

10.) Public Comment

11.) Adjournment:

COUNCIL POLICY ON AGENDA ITEMS

For information Purposes Only

Council President Announcements

This item on the Council Agenda is reserved for the Council President to make announcements that are required under law for public disclosure, such as announcing executive sessions, or for matters of public notice.

Public Comment

Public Comment is taken at the end of each Council Work Session and at the beginning and end of each Voting Session. Constituent comments are important to Borough Council. We welcome your comments. Therefore, we urge constituents to attend and comment at the end of the regularly scheduled Work Session or at the beginning of the Voting Session to ensure that Council can consider the content of your comment prior to their consideration of a formal vote. Note that all comments are limited to two minutes. As a reminder, and if able, please go to the podium and state your name and address. If you need an accommodation to provide public comment, please let a member of the Borough's administrative staff know. The purpose of the public comment section is for you, the public, to inform us, the Council, about your views. Although it is not appropriate for Borough Council or the Borough's staff to answer questions from the general public during the public comment section, if members of the public have factual questions, staff will be glad to address them with you directly, after the meeting. Please speak with the Executive Assistant who will take your contact information so that a staff member can reach out to you directly following the meeting.

Presentations

Should Council have an issue or entity that requires time to present an issue to full Council, that is more than an oral description relating to an agenda item under consideration, Council may have that matter listed under Presentations. If nothing is listed under presentations, then there is no business to conduct in that manner.

Consent Agenda

Items of business and matters listed under the Consent Agenda are considered to be routine and non-controversial and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired by Council Members, that item is to be identified by the Council member and will be identified and removed from the Consent Agenda, and will be considered separately at the appropriate place on the Agenda.

New Business

Items for consideration as new business are matters that have been considered for action at the work session. It is council practice to not introduce new business at the regular business meeting where votes are taken.

BOROUGH OF CONSHOHOCKEN BOROUGH COUNCIL
MINUTES OF THE PUBLIC MEETING

Wednesday, July 20, 2022

PUBLIC MEETING

PRESENT: Colleen Leonard, Council President
Tina Sokolowski, Vice President
Anita Barton, Council Member
Stacy Ellam, Council Member
Kathleen Kingsley, Council Member
Adrian Serna, Council Member
Karen Tutino, Council Member
Yaniv Aronson, Mayor

ALSO PRESENT: Stephanie Cecco, Borough Manager
Michael E. Peters, Borough Solicitor

CALL TO ORDER

The Public Meeting of the Conshohocken Borough Council duly advertised, was held at the Conshohocken Borough Hall, 400 Fayette Street, Conshohocken, PA. Ms. Leonard, Council President, called the meeting to order at 7:01 PM.

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited.

COUNCIL PRESIDENT ANNOUNCEMENTS

Ms. Leonard announced that an Executive Session was held immediately prior to the regularly scheduled public meeting on property, legal and employment matters.

PUBLIC COMMENT (*for agenda items only)*

There was no public comment pertaining to agenda items.

PRESENTATIONS

There were no presentations.

LAND USE, PUBLIC HEARINGS AND ORDINANCES

a.) Hearing on a waiver of off-street parking, 320 Fayette Street, Witch's Way Craft

Eric Johnson, Zoning Officer, explained that the applicants have requested a waiver of the Borough's off-street parking requirements pursuant to the Borough's zoning ordinance. He stated that the applicants are proposing to operate a new age holistic gift shop selling vintage glassware, crystals & minerals, as well as other curated items on the first floor of the existing building located at 320 Fayette Street. The applicants provided an overview of the business, including hours of operation and parking for customers and employees. The applicants confirmed that deliveries will not be made to the storefront and that they may occasionally hold small meetings and/or gatherings.

Ms. Barton made a motion to approve a waiver of off-street parking for 320 Fayette Street, Witch's Way Craft, seconded by Mr. Serna. The motion carried 7-0.

b.) Public Hearing on a Conditional Use Application for 911 Fayette Street: Jefferson Ave Insurance, Jeffrey Gallo, Applicant

Mr. Peters opened the public hearing on the conditional use application for 911 Fayette Street. He explained that the applicant, Jeffrey Gallo, is seeking conditional use approval to permit an insurance office on the first floor of the property. He stated that existing residential use on second and third floors of the building would remain unchanged.

Mr. Peters asked if there were any interested parties present. No interested parties were present.

Michael Yanoff, the applicant's attorney, provided an overview of the application. Mr. Yanoff explained the history of the property, and that his client is purchasing the property to move his insurance company to the existing building. He also explained that the company rarely has customers on-site, and that most work occurs over phone and/or email. Mr. Yanoff stated that the layout of the building will be essentially the same, with some internal renovation to create larger spaces on the first floor. He confirmed that there would be no changes made to the apartment or exterior of the building.

Mr. Gallo testified that the statements made by his attorney were true.

Mr. Peters asked for public comment. There was no public comment.

Mr. Peters continued the hearing on the record to August 3, 2022.

c.) Consider adopting Ordinance 10-2022 adopting a Stormwater Management Ordinance

Mr. Peters explained that the proposed ordinance matches the model ordinance issued by the Pennsylvania Department of Environmental Protection (DEP) in connection with the MS4 Program.

Ms. Ellam made a motion to adopt Ordinance 10-2022 adopting a Stormwater Management Ordinance, seconded by Ms. Kingsley. The motion carried 7-0.

d.) Consider adopting Ordinance 11-2022 amending the Stormwater Management section of the SALDO

Mr. Peters explained that the proposed ordinance is an amendment to the drainage section of the Subdivision and Land Development Ordinance (SALDO), which was designed to coincide with the new stormwater management ordinance.

Ms. Barton made a motion to adopt Ordinance 11-2022 amending the Stormwater Management section of the SALDO, seconded by Ms. Ellam. The motion carried 7-0.

CONSENT AGENDA

Ms. Leonard read and reviewed the items included on the consent agenda.

a.) Approve and adopt the June 1 and June 15 Regular Meeting Minutes
b.) Approve the June-ending Treasurer's Report and Accounts Payable in the amount of $958,708.60
c.) Approve Resolution 2022-17 establishing a trial period of once weekly trash service from August 1, 2022 to October 31, 2022

Mr. Serna made a motion to approve and adopt the June 1 and June 15 Regular Meeting Minutes, seconded by Ms. Sokolowski. The motion carried 7-0.

Ms. Kingsley made a motion to approve the June-ending Treasurer's Report and Accounts Payable in the amount of $958,708.60, seconded by Mr. Serna. The motion carried 7-0.

Mr. Serna made a motion to approve Resolution 2022-17 establishing a trial period of once weekly trash service from August 1, 2022 to October 31, 2022, seconded by Ms. Ellam. The motion carried 7-0.

NEW BUSINESS

a.) Consider adopting DCED's Procurement and Policy Directive for federally funded projects

Ms. Cecco explained that the Department of Community and Economic Development (DCED) has notified sub-recipients of the need to adopt and abide by the federal procurement requirements for federally funded projects. She asked Council to adopt DCED's Procurement and Policy Directive for use in procurement in federally funded projects.

Ms. Tutino made a motion to adopt DCED's Procurement and Police Directive for federally funded projects, seconded by Ms. Barton. The motion carried 7-0.

b.) Consider approving Resolution 2022-18 designating an authorized signer to execute contracts related to FEMA Disaster Assistance for Storm Ida

Ms. Cecco explained that the Borough has applied for and qualifies to receive federal assistance for damages related to Storm Ida. She asked Council to consider designating the Borough Manager as the authorized signer of all documents associated federal assistance for Storm Ida.

Ms. Sokolowski made a motion to approve Resolution 2022-18 designating Stephanie Cecco as authorized signer to execute contracts related to FEMA Disaster Assistance for Storm Ida, seconded by Mr. Serna. The motion carried 7-0.

c.) Consider ratifying a settlement agreement for 701 Fayette Street

Mr. Peters shared that a settlement agreement has been reached between the applicant and appellant regarding the zoning application for 701 Fayette Street. Mr. Peters explained that, since the Borough was a party to this matter, Borough Council should consider ratifying the agreement.

Ms. Barton made a motion to ratify the approval of a settlement agreement for 701 Fayette Street, seconded by Ms. Kingsley. The motion carried 7-0.

d.) Consider approving 720 Spring Mill Ave escrow release no. 1 for demolition in the amount of $74,983.50

Ms. Kingsley made a motion to approve 720 Spring Mill Ave escrow release no. 1 for demolition in the amount of $74,983.50, seconded by Mr. Serna. The motion carried 7-0.

UNFINISHED BUSINESS

a.) Consider awarding a bid for the 2022 CDBG Curb Ramp Project

Ms. Cecco shared that the Borough received three (3) bids for the 2022 CDBG Curb Ramp Project. She stated that two (2) of the bids of were complete and that the lowest complete bid was from Ramos and Associates at a total cost of $137,470.00.

Mr. Serna made a motion to award the Base Bid and Alternate Bid No. 1 to Ramos and Associates Inc. in the amount of $137,470, contingent upon funds being available and upon receiving authorization to award from all funding agencies, seconded by Ms. Ellam. The motion carried 7-0.

b.) Consider approving Resolution 2022-19 authorizing the transfer of title to real estate property from the Conshohocken Sewer Authority to the Borough of Conshohocken

Mr. Peters explained that Borough of Conshohocken and the Borough of Conshohocken Authority signed a Memorandum of Understanding (MOU), which provides for the transfer of two parcels of land owned by the Authority. He explained that the parcels contain the Community Garden and a storage barn for salt. Mr. Peters asked Council to consider authorizing Borough officials to effectuate transfer of title to the properties from the Authority to the Borough.

Mr. Serna made a motion to approve Resolution 2022-19 authorizing the transfer of title to real estate property from the Conshohocken Sewer Authority to the Borough of Conshohocken, seconded by Ms. Kingsley. The motion carried 7-0.

COUNCIL AND MAYOR MATTERS

Mayor Aronson thanked Borough staff for the Fireworks event. He shared the schedule for the Summer Concert Series. He reminded residents that Kona Ice will be at the concerts and that a portion of the proceeds benefit the Friends of Conshohocken Parks. He recommended that everyone to visit Morning Talk Café.

Ms. Sokolowski shared that members of the Electric Force Track Club have qualified for Nationals and the Club is raising money to send the entire organization to the event. She also shared that members of the Conshohocken Rowing Center will be traveling to Italy for the World Rowing Championships.

PUBLIC COMMENT

Donna Sesko, 251 East 6th Avenue, voiced concerns related to once-weekly trash service. Ms. Kingsley responded that residents can request an additional trash can free of charge by contacting the Borough. Ms. Leonard added that residents who need assistance with excess trash should contact the Borough. Ms. Sokolowski discussed the criteria for determining if the trial is successful and becomes permanent.

ADJOURNMENT

The meeting was adjourned at 7:43 PM.

Respectfully Submitted,

_____

Stephanie Cecco,
Borough Secretary

Conshohocken Environmental Advisory Council - EAC

Oct 29, 2021 ·

THANK YOU! THANK YOU! THANK YOU to everyone who participated in our Fall Neighborhood Cleanup a little less than 2 weeks ago on Saturday October 16th!! We had over 75 volunteers collect OVER 300 lbs of trash in just a short morning effort! 🗑️♻️

Special thanks to Beacon Bridge Wealth Partners for sponsoring our brand new t-shirts 👕(now featuring our mascot Sprout!), Conshohocken Borough Public Works which collected all the trash our volunteers picked up, Back to Earth Composting for bringing muffins, Guppy's Good Times for hosting our after-party with specials 🍻 and free appetizers 🍗 for volunteers and the Conshohocken Bocce Club for hosting!

Please continue to do your part to keep our neighborhood clean. We can't wait to see you for our next cleanup in the Spring. ☀️ 🌻


Conshohocken Spring Community Clean Up
Hosted by: Conshohocken Environmental Advisory Council
DATE: SATURDAY APRIL 23, 2022
LOCATION: VFW AMVETS POST 1074
ADDRESS: 300 E 5th AVE
START TIME: 10AM - RAIN OR SHINE
END TIME: NOON - ALL TRASH RETURNED TO AMVETS
Register Here: https://forms.gle/dJkKtcfcMDqbHDqe9
We will provide Bags, Gloves, Safety Vests and Shirts. We encourage to use your own gloves in efforts to stay green
QUESTIONS:
greenconshohocken@gmail.com
ashleymcquaide@gmail.com

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

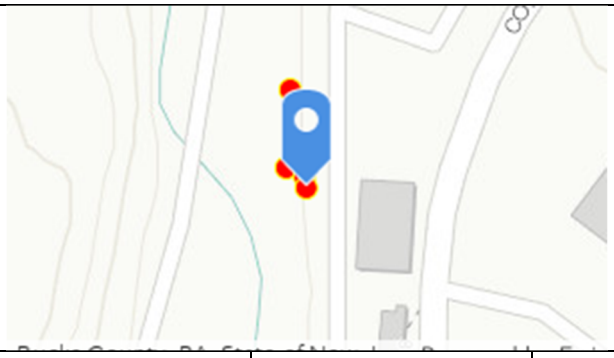
BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	A
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Industrial, Commercial		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
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Photo 1			

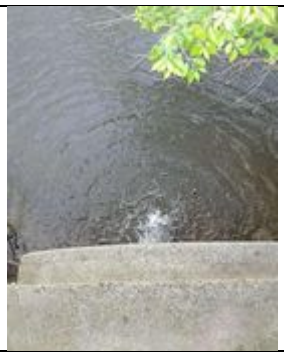



Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 48 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		Yes		If No, skip to Certification Section.	
Description of Flow Rate:		Significant			

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?	No	If Yes, provide a description below.
Does the dry weather flow contain an odor?	No	If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?	No	If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?	No	If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?	Yes	If Yes, No. Samples: 1

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate	10	GPM	Fecal Coliform	2	No./100 mL
pH	6.74	S.U	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD_5		mg/L
Conductivity	1,210	umhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS	777	mg/L
Other: Turbidity	10.27	NTU	Oil and Grease		mg/L
Other: Temperature	15.6	C	Dissolved O_2	5.63	mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory: fecal coliform					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

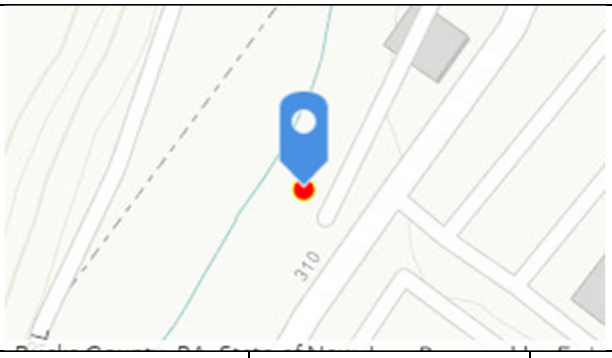
RESPONSIBLE OFFICIAL CERTIFICATION

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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	A1/CB1
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Industrial, Commercial		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0797598	Longitude	-75.3119637
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 40 in	Yes - the outfall is submerged in water
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		Yes		If No, skip to Certification Section.	
Description of Flow Rate:		Moderate			

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?	No	If Yes, provide a description below.
Does the dry weather flow contain an odor?	No	If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?	No	If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?	No	If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?	Yes	If Yes, No. Samples: 1

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate	8	GPM	Fecal Coliform	2	No./100 mL
pH	7.12	S.U	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD_5		mg/L
Conductivity	1,460	umhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS	935	mg/L
Other: Turbidity	12.91	NTU	Oil and Grease		mg/L
Other: Temperature	13.8	C	Dissolved O_2	13.91	mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory: fecal coliform					

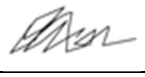
ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

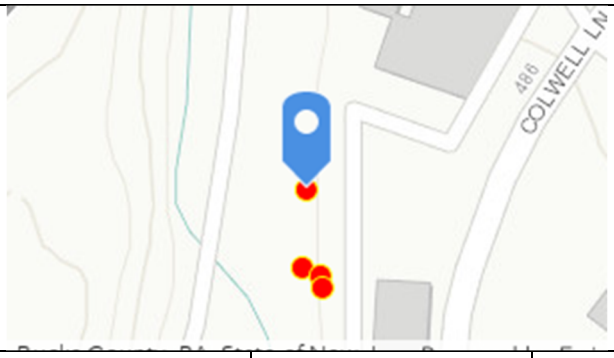
RESPONSIBLE OFFICIAL CERTIFICATION

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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	A2
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Industrial, Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0814471	Longitude	-75.3115845
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	CMP	Elliptical	Single	Diameter: 24 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.
Inspector Comments:

RESPONSIBLE OFFICIAL 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	B/CB2
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Industrial, Commercial, Suburban		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.077185	Longitude	-75.3122788
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	CMP	Elliptical	Single	Diameter: 36 in	Yes - the outfall is submerged in water
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		Yes		If No, skip to Certification Section.	
Description of Flow Rate:		Moderate			

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?	No	If Yes, provide a description below.
Does the dry weather flow contain an odor?	No	If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?	No	If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?	No	If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?	Yes	If Yes, No. Samples: 1

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate	3	GPM	Fecal Coliform	1,700	No./100 mL
pH	7.53	S.U	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD_5		mg/L
Conductivity	1,240	umhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS	796	mg/L
Other: Turbidity	13.85	NTU	Oil and Grease		mg/L
Other: Temperature	0	C	Dissolved O_2	11.99	mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory: fecal coliform					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	Yes

If Yes, describe efforts made to determine the source(s) of the illicit discharge.	
Tracking/tracing to be performed	
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.	
Tracking/tracing to be performed	
Inspector Comments:	

RESPONSIBLE OFFICIAL 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	B1/CB1
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Commercial, Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0772036	Longitude	-75.3125338
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 15 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.
Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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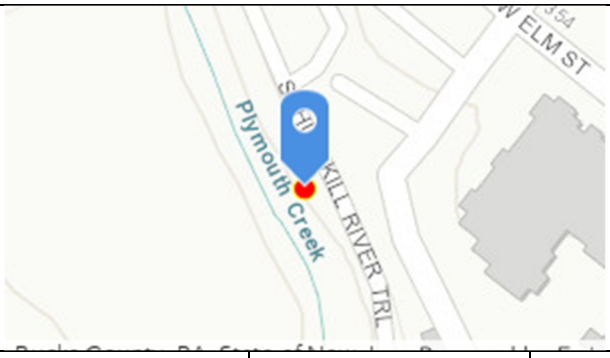
Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	B2/CB4
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Commercial, Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0749431	Longitude	-75.3119712
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 18 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.
Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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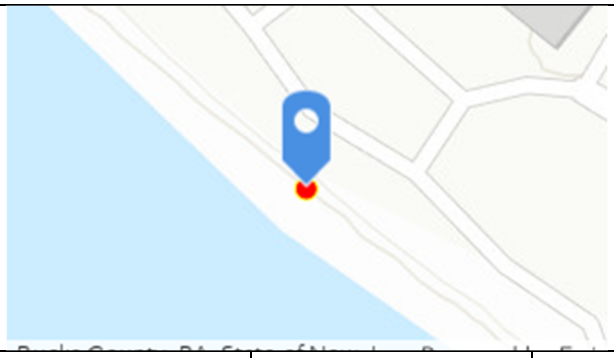
Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	CB5A
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0723493	Longitude	-75.3115305
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	Other	Circular	Single	Diameter: 12 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

RESPONSIBLE OFFICIAL CERTIFICATION

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Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	CB6A
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0716178879282	Longitude	-75.3096822004818
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	Steel	Circular	Single	Diameter: 20 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

RESPONSIBLE OFFICIAL 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	CB7A
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0717182	Longitude	-75.3105864
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	CMP	Circular	Single	Diameter: 24 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

RESPONSIBLE OFFICIAL 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	D/CB8
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Commercial, Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0713038	Longitude	-75.3095857
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	HDPE	Circular	Single	Diameter: 36 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.	
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.	
Inspector Comments:	

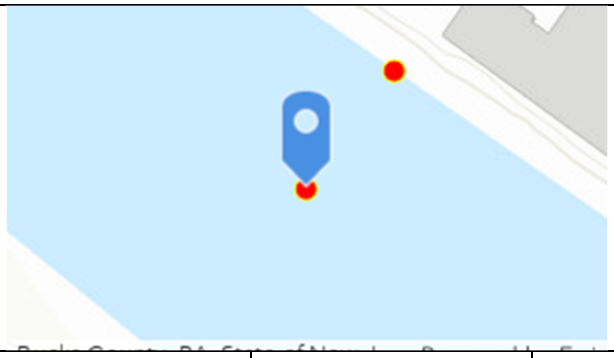
RESPONSIBLE OFFICIAL CERTIFICATION

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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	D1/CB7
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0714755	Longitude	-75.3108218
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 36 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.
Inspector Comments:

RESPONSIBLE OFFICIAL 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	E/CB11
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0695278	Longitude	-75.3064146
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 36 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

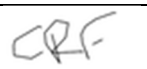
ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

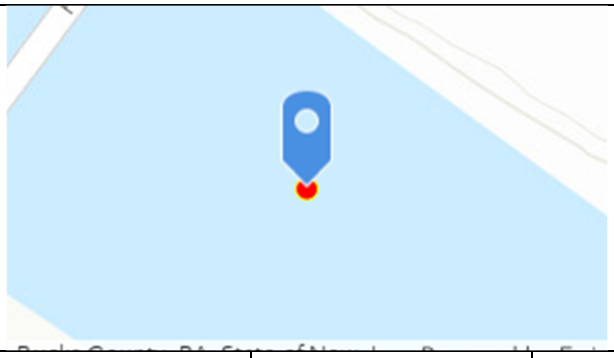
RESPONSIBLE OFFICIAL CERTIFICATION

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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	E1/CB10
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0703217	Longitude	-75.3087261
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 24 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		No		If No, skip to Certification Section.	
Description of Flow Rate:					

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?		If Yes, provide a description below.
Does the dry weather flow contain an odor?		If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?		If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?		If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?		If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD_5		mg/L
Conductivity		umhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: Turbidity		NTU	Oil and Grease		mg/L
Other: Temperature		C	Dissolved O_2		mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory:					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.
Inspector Comments:

RESPONSIBLE OFFICIAL CERTIFICATION

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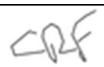
Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	F/CB12
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0693856	Longitude	-75.3045076
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 36 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?			Yes	If No, skip to Certification Section.	
Description of Flow Rate:			Moderate		

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?	No	If Yes, provide a description below.
Does the dry weather flow contain an odor?	No	If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?	No	If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?	No	If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?	Yes	If Yes, No. Samples: 1

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate	4	GPM	Fecal Coliform	17	No./100 mL
pH	7.76	S.U	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD_5		mg/L
Conductivity	2,710	umhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS	1,730	mg/L
Other: Turbidity	12.93	NTU	Oil and Grease		mg/L
Other: Temperature	0	C	Dissolved O_2	7.64	mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory: fecal coliform					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

RESPONSIBLE OFFICIAL 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	G/CB14
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0694627	Longitude	-75.3002444
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 36 in	No - the outfall is not submerged
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		Yes		If No, skip to Certification Section.	
Description of Flow Rate:		Moderate			

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?	No	If Yes, provide a description below.
Does the dry weather flow contain an odor?	No	If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?	No	If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?	No	If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?	No	If Yes, No. Samples:

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate	5	GPM	Fecal Coliform	0	No./100 mL
pH	7.46	S.U	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD_5		mg/L
Conductivity	2,370	umhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS	1,510	mg/L
Other: Turbidity	12.52	NTU	Oil and Grease		mg/L
Other: Temperature	0	C	Dissolved O_2	6.71	mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory: fecal coliform					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

RESPONSIBLE OFFICIAL CERTIFICATION

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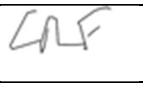
Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

MS4 OUTFALL FIELD SCREENING REPORT

BACKGROUND INFORMATION			
Permittee Name:	Conshohocken Borough	NPDES Permit No.:	PAG130013
Date of Inspection:	April 21, 2022	Outfall ID No.:	WM2
Land Uses in Outfall Drainage Area:		Dry Weather Inspection:	Yes
Commercial, Suburban Residential		Date of Previous Precipitation:	April 19, 2022
Inspectors Name:	Chris Freer	Amount of Previous Precipitation:	0.6 in
Location			
			
Latitude	40.0721943	Longitude	-75.2909155
Photo 1			
			
Photo 2			
			

OUTFALL DESCRIPTION					
TYPE	**MATERIAL**	**SHAPE**		**DIMENSIONS**	**SUBMERGED**
Closed Pipe	RCP	Circular	Single	Diameter: 54 in	Yes - the outfall is submerged in water
				Depth: in Top Width: in Bottom Width: in	
Dry Weather Flow Present at Outfall During Inspection?		Yes		If No, skip to Certification Section.	
Description of Flow Rate:		Moderate			

DRY WEATHER FLOW EVALUATION		
Does the dry weather flow contain color?	No	If Yes, provide a description below.
Does the dry weather flow contain an odor?	No	If Yes, provide a description below.
Is there an observed change in the receiving waters as a result of the discharge?	No	If Yes, provide a description below.
Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?	No	If Yes, provide a description below.
Were sample(s) collected of the dry weather flow?	Yes	If Yes, No. Samples: 1

FIELD / LABORATORY ANALYSIS					
PARAMETER	**RESULTS**	**UNITS**	**PARAMETER**	**RESULTS**	**UNITS**
Flow Rate	10	GPM	Fecal Coliform		No./100 mL
pH	7.88	S.U	COD		mg/L
Total Residual Chlorine (TRC)	0	mg/L	BOD_5		mg/L
Conductivity	905	umhos/cm	TSS		mg/L
Ammonia-Nitrogen	0	mg/L	TDS	579	mg/L
Other: Turbidity	12.77	NTU	Oil and Grease		mg/L
Other: Temperature	18	C	Dissolved O_2	7.87	mg/L DO
Indicate the parameters above that were analyzed by a DEP-certified laboratory: fecal coliform					

ILLICIT DISCHARGES	
Is the dry weather flow an illicit discharge?	No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.
Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:	

RESPONSIBLE OFFICIAL 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Chris Freer	
Responsible Official Name	Signature
215-345-4330	April 21, 2022
Telephone Number	Date

SUBURBAN TESTING LABS

Results Report

Order ID: 2D04901

Gilmore & Associates Inc
65 E. Butler Avenue
New Britain, PA 18901

Project: 1803042

Attn: Chris Freer

Regulatory ID:

Sample Number: 2D04901-01 | Site: A | Sample ID:
Collector: Client | Collect Date: 04/21/2022 9:00 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Microbiology									
Fecal Coliform	2	cfu/100ml	SM 9222-D	1	1	04/21/22	DCJ	04/21/22 16:37	DCJ

Sample Number: 2D04901-02 | Site: A1/CB1 | Sample ID:
Collector: Client | Collect Date: 04/21/2022 9:10 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Microbiology									
Fecal Coliform	2	cfu/100ml	SM 9222-D	1	1	04/21/22	DCJ	04/21/22 16:37	DCJ

Sample Number: 2D04901-03 | Site: H/CB14 | Sample ID:
Collector: Client | Collect Date: 04/21/2022 9:30 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Microbiology									
Fecal Coliform	2	cfu/100ml	SM 9222-D	1	1	04/21/22	DCJ	04/21/22 16:37	DCJ

Sample Number: 2D04901-04 | Site: WM-2 | Sample ID:
Collector: Client | Collect Date: 04/21/2022 10:00 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Microbiology									
Fecal Coliform	18	cfu/100ml	SM 9222-D	1	1	04/21/22	DCJ	04/21/22 17:33	DCJ

Sample Number: 2D04901-05 | Site: F/CB12 | Sample ID:
Collector: Client | Collect Date: 04/21/2022 10:30 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Microbiology									
Fecal Coliform	17	cfu/100ml	SM 9222-D	1	1	04/21/22	DCJ	04/21/22 17:33	DCJ

Report Generated On: 04/25/2022 4:08 pm 2D04901
STL_Results Revision #1.9 Effective: 04/16/2020

Sample Number: 2D04901-06 | Site: G/CB14 | Sample ID:
Collector: Client | Collect Date: 04/21/2022 10:20 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Microbiology									
Fecal Coliform	< 1	cfu/100ml	SM 9222-D	1	1	04/21/22	DCJ	04/21/22 17:33	DCJ

Sample Number: 2D04901-07 | Site: B/CB2 | Sample ID:
Collector: Client | Collect Date: 04/21/2022 12:20 pm | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Microbiology									
Fecal Coliform	1700	cfu/100ml	SM 9222-D	1	1	04/21/22	RMB	04/21/22 18:48	RMB

Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

Units P/A = Present/Absent
Units P/F = Pass/Fail

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:
Ryan F Knerr
Project Manager II

Report Generated On: 04/25/2022 4:08 pm 2D04901
STL_Results Revision #1.9 Effective: 04/16/2020

SUBURBAN TESTING LABS

2D04901
Ryan F Knerr

TAT (Circle One): Standard 24hr / 48hr / 72hr / Other_____
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID:_____

Client Name: GILMORE & ASSOC
Address: 65 E BUTLER AVE
NEW BRITAIN PA
Contact Name: CHRIS FREE

Phone: 215 345 4330 x372
Fax: _____
Email: cfreer@gilmore-assoc.com

Project Name: _____
Address: _____
Payment / P.O. Info: 1803042

Comments:

STL Sample Number	Sample Description / Site ID: (7) 100ml sterile p.	Date Sampled	Time Sampled	Samplers Initials	Test(s) Requested:	Bottle Quantity	See Codes Below: Matrix	Sample Type	Bottle Type	Preservative	Comments / Field Data:
	A	4/21/22	0900	CNF	Fecal coliform	1.	NPW	G	P	N	
	A1/CB1		0910	CNF	ON all	1.	NPW	G	P	N	
	H/CB14		0930	CNF	Samples	1.	NPW	G	P	N	
	WM-2		1000	CNF		1.	NPW	G	P	N	
	F/CB12		1030	CNF		1.	NPW	G	P	N	
	G/CB14		1020	CNF		1.	NPW	G	P	N	
	B/CB2		1220	CNF	NPW pickup - custom 2 ✓ EDSR	1.	NPW	G	P	N	

Relinquished By: _____ Date: 4/21/22 Time: 1400

Received By: _____ Date: 4/21/22 Time: 1400 Temp °C: 11.8 Acceptable: Y / N cooling

Relinquished By: _____ Date: 4/21/22 Time: 1515 Temp °C: 0.4 Acceptable: Y / N ice

Received in Lab By: JWM Date: 4-21-22 Time: 1549 Temp °C: 0.4 Acceptable: Y / N ice

Sample Conditions
- Submitted with COC? Y / N
- Number of containers match number on COC? Y / N
- All containers in tact? Y / N
- Tests within holding times Y / N
- 40 mL VOA vials free of headspace? Y / N

Matrix Key
NPW = Non-Potable Water
Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg)
PW = Potable Water (not for SDWA compliance)
SDWA = Safe Drinking Water Act Potable Sample

Sample Type Key
G = Grab
8HC = 8 Hr. Composite
24HC = 24 Hr. Composite

SDWA Sample Types
D=Distribution
E=Entry Point
R=Raw
C=Check
S=Special
M=Maximum Residence

Bottle Type Key
P = Plastic
G = Glass
O = Other

Preservative Key
N = Sodium Thiosulfate
A = Ascorbic Acid
H = HNO_3
C = HCl
S = H_2SO_4
OH = NaOH
O = Other
NA = None Required

Reporting Options
[ ] SDWA Reporting
PWSID: _____
[ ] Fax
[ ] Email
[ ] Other_____
[ ] Return a copy of this form with Report

Signing this form indicates your agreement with STL's Standard Terms and Conditions unless otherwise specified in writing. SLF059 Rev. 1.3 Effective May 16, 2013.
Shaded areas are for STL use only.

BOROUGH OF CONSHOHOCKEN

MONTGOMERY COUNTY, PENNSYLVANIA

ORDINANCE NO. 10-2022

AN ORDINANCE OF THE BOROUGH OF CONSHOHOCKEN, MONTGOMERY COUNTY, PENNSYLVANIA, AMENDING CHAPTER 19 *STORMWATER MANAGEMENT*, OF THE BOROUGH'S CODE OF ORDINANCES BY REPEALING THE CURRENT PROVISIONS IN THEIR ENTIRETY AND REPLACING THEM WITH UPDATED PROVISIONS AMENDED TO BE CONSISTENT WITH THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S MODEL STORMWATER MANAGEMENT ORDINANCE AS PART OF THE SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT PROGRAM; REPEALING ALL PRIOR INCONSISTENT ORDINANCES OR PARTS OF ORDINANCES; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Borough Code, 8 Pa.C.S. § 101, *et seq.*, grants authority to the Borough Council of the Borough of Conshohocken to enact regulations for the health, safety, and welfare of the Borough, its residents, property owners, visitors, etc.;

WHEREAS, the Borough Council has adopted a stormwater management ordinance at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances;

WHEREAS, as part of the implementation of the Borough's Small Municipal Separate Storm Sewer System (MS4) the Borough's Engineer has analyzed the Borough's regulations, and proposed a new stormwater management ordinance consistent with the Pennsylvania Department of Environmental Protection's Model Stormwater Management Ordinance (the "Model Ordinance"); and

WHEREAS, the Borough Council of the Borough of Conshohocken has determined it to be in the best interest of the Borough to adopt the ordinance provisions set forth hereinbelow.

NOW THEREFORE, be it **ORDAINED** and **ENACTED**, by the Borough Council of the Borough of Conshohocken as follows:

SECTION 1. The Code of Ordinances of the Borough of Conshohocken, Chapter 19 *Stormwater Management*, is hereby amended by repealing the current provisions in their entirety, and replacing them with the provisions attached hereto as exhibit "A", including appendices "A" and "B" thereto.

SECTION 2. Repealer. Any and all other Ordinances or parts of Ordinances in violation or in conflict with the terms, conditions and provisions of this Ordinance are hereby repealed to the extent of such irreconcilable conflict.

SECTION 3. Severability. The terms, conditions and provisions of this Ordinance are hereby declared to be severable, and, should any portion, part or provision of this Ordinance be found by a court of competent jurisdiction to be invalid, enforceable or unconstitutional, the Council hereby declares its intent that the Ordinance shall have been enacted without regard to the invalid, enforceable, or unconstitutional portion, part or provision of this Ordinance.

SECTION 4. Effective date. This Ordinance shall become effective at the earliest date permitted by Pennsylvania law.

ORDAINED and **ENACTED** an ordinance of the Borough of Conshohocken this 20th day of July, 2022.

BOROUGH OF CONSHOHOCKEN

Colleen Leonard
COLLEEN LEONARD, COUNCIL PRESIDENT

ATTEST:
SECRETARY

Approved this 20th day of July, 2022

YANIV ARONSON, MAYOR

EXHIBIT "A"

CHAPTER 19 *STORMWATER MANAGEMENT*

ARTICLE I – GENERAL PROVISIONS

Section 19-101. Short Title

This Ordinance shall be known and may be cited as the "Borough of Conshohocken Stormwater Management Ordinance" (a.k.a. "Stormwater Management Ordinance").

Section 19-102. Statement of Findings

The governing body of the municipality finds that:

A. Inadequate management of accelerated runoff of stormwater resulting from development throughout a watershed increases runoff volumes, flows and velocities, contributes to erosion and sedimentation, overtaxes the carrying capacity of streams and storm sewers, greatly increases the cost of public facilities to carry and control stormwater, undermines flood plain management and flood control efforts in downstream communities, reduces groundwater recharge, threatens public health and safety, and increases nonpoint source pollution of water resources.

B. A comprehensive program of stormwater management (SWM), including reasonable regulation of development and activities causing accelerated runoff, is fundamental to the public health, safety, and welfare and the protection of people of the Commonwealth, their resources, and the environment.

C. Stormwater is an important water resource that provides groundwater recharge for water supplies and supports the base flow of streams.

D. The use of green infrastructure and low impact development (LID) are intended to address the root cause of water quality impairment by using systems and practices which use or mimic natural processes to: 1) infiltrate and recharge, 2) evapotranspire, and/or 3) harvest and use precipitation near where it falls to earth. Green infrastructure practices and LID contribute to the restoration or maintenance of pre-development hydrology.

E. Federal and state regulations require the Borough of Conshohocken to implement a program of stormwater controls. The Borough of Conshohocken is required to obtain a permit for stormwater discharges from their separate storm sewer systems under the National Pollutant Discharge Elimination System (NPDES) program.

Section 19-103. Purpose

The purpose of this Ordinance is to promote health, safety, and welfare within the municipality and its watershed by minimizing the harms and maximizing the benefits described in Section 19-102 of this Ordinance, through provisions designed to:

A. Meet legal water quality requirements under state law, including regulations at 25 Pa. Code 93 to protect, maintain, reclaim, and restore the existing and designated uses of the waters of this Commonwealth.

B. Preserve natural drainage systems.

C. Manage stormwater runoff close to the source, reduce runoff volumes and mimic predevelopment hydrology.

D. Provide procedures and performance standards for stormwater planning and management.

E. Maintain groundwater recharge to prevent degradation of surface and groundwater quality and to otherwise protect water resources.

F. Prevent scour and erosion of stream banks and streambeds.

G. Provide proper operation and maintenance of all stormwater best management practices (BMPs) that are implemented within the Borough.

H. Provide standards to meet NPDES permit requirements.

Section 19-104. Statutory Authority

The municipality is empowered to regulate land use activities that affect runoff by the authority of the Act of July 31, 1968, P.L. 805, No. 247, The Pennsylvania Municipalities Planning Code, as amended, and/or the Act of October 4, 1978, P.L. 864 (Act 167), 32 P.S. Section 680.1, et seq., as amended, The Stormwater Management Act.

Section 19-105. Applicability

A. All regulated activities and all activities that may affect stormwater runoff are subject to regulation by this Ordinance, including:

1. Land development.
2. Subdivision.
3. All sites of 0.5 acres or more.
4. Agricultural operations.
5. Construction of new or additional impervious surfaces.
6. Construction of new buildings or additions to existing buildings.
7. Nursery operations.
8. Redevelopment.
9. Diversion or piping of any natural or man-made stream channel.
10. Installation of stormwater systems or appurtenances thereto.
11. Alteration of the natural hydrologic regime.
12. Nonstructural and structural stormwater management best management practices (BMPs) or appurtenances thereto.
13. Earth Disturbance Activity.
14. Regulated Earth Disturbance Activity.

B. Additional stormwater management design and construction criteria, including storm sewer system and BMP design criteria, shall be as described in §22-410 Drainage, of Chapter 22, Subdivision and Land Development, of the Code of the Borough of Conshohocken, which is included in these regulations by reference.

Section 19-106. Repealer

Any other ordinance provision(s) or regulation of the municipality inconsistent with any of the provisions of this Ordinance is hereby repealed to the extent of the inconsistency only.

Section 19-107. Severability

In the event that a court of competent jurisdiction declares any section or provision of this Ordinance invalid, such decision shall not affect the validity of any of the remaining provisions of this Ordinance.

Section 19-108. Compatibility with Other Requirements

Approvals issued and actions taken under this Ordinance do not relieve the applicant of the responsibility to secure required permits or approvals for activities regulated by any other code, law, regulation or ordinance. If more stringent requirements concerning regulation of stormwater or erosion and sediment control are contained in any other code, rule, act or ordinance adopted by the Borough of Conshohocken, the more stringent regulation shall apply.

Section 19-109. Erroneous Permit

Any permit or authorization issued or approved based on false, misleading or erroneous information provided by an applicant is void without the necessity of any proceedings for revocation. Any work undertaken or use established pursuant to such permit or other authorization is unlawful. No action may be taken by a board, agency or employee of the Municipality purporting to validate such a violation.

Section 19-110. Waivers

A. If the Municipality determines that any requirement under this Ordinance cannot be achieved for a particular regulated activity, the Municipality may, after an evaluation of alternatives, approve measures other than those in this Ordinance, subject to Section 19-110, paragraphs B and C.

B. Waivers or modifications of the requirements of this Ordinance may be approved by the Municipality if enforcement will exact undue hardship because of peculiar conditions pertaining to the land in question, provided that the modifications will not be contrary to the public interest and that the purpose of the Ordinance is preserved. Cost or financial burden shall not be considered a hardship. Modification may be considered if an alternative standard or approach will provide equal or better achievement of the purpose of the Ordinance. A request for modifications shall be in writing and accompany the Stormwater Management Site Plan submission. The request shall provide the facts on which the request is based, the provision(s) of the Ordinance involved and the proposed modification.

C. No waiver or modification of any regulated stormwater activity involving earth disturbance greater than or equal to one acre may be granted by the Municipality unless that action is approved in advance by the Department of Environmental Protection (DEP) or the Montgomery County Conservation District.

ARTICLE II – DEFINITIONS

Section 19-201. Interpretation.

For the purposes of this Ordinance, certain terms and words used herein shall be interpreted as follows:

A. Words used in the present tense include the future tense; the singular number includes the plural, and the plural number includes the singular; words of masculine gender include feminine gender; and words of feminine gender include masculine gender.

B. The word "includes" or "including" shall not limit the term to the specific example but is intended to extend its meaning to all other instances of like kind and character.

C. The words "shall" and "must" are mandatory; the words "may" and "should" are permissive.

D. The word "person" includes natural persons, corporations, associations and partnerships. The word "building" includes the word "structure," and both shall always be construed as if followed by the words "or part thereof." The word "occupied" includes the words "arranged, designed or intended to be occupied." The word "used" includes the words "arranged, designed or intended to be used."

Section 19-202. Definitions.

These definitions do not necessarily reflect the definitions contained in pertinent regulations or statutes, and are intended for this Ordinance only. As used in this Ordinance, the following terms shall have the meanings indicated:

Agricultural Activity – Activities associated with agriculture such as agricultural cultivation, agricultural operation, and animal heavy use areas. This includes the work of producing crops including tillage, land clearing, plowing, disking, harrowing, planting, harvesting crops or pasturing and raising of livestock and installation of conservation measures. Construction of new buildings or impervious area is not considered an agricultural activity.

Applicant – A landowner, developer, builder, and/or other persons, including his/her heirs, successors, agents and assigns, who has filed an application to the municipality for approval to engage in any regulated activity at a project site in the municipality.

Best Management Practice (BMP) – Activities, facilities, designs, measures, or procedures used to manage stormwater impacts from regulated activities, to meet state water quality requirements, to promote groundwater recharge, and to otherwise meet the purposes of this Ordinance. Stormwater BMPs are commonly grouped into one of two broad categories or measures: "structural" or "non-structural." In this Ordinance, non-structural BMPs or measures refer to operational and/or behavior-related practices that attempt to minimize the contact of pollutants with stormwater runoff, whereas structural BMPs or measures are those that consist of a physical device or practice that is installed to capture and treat stormwater runoff. Structural BMPs include, but are not limited to, a wide variety of practices and devices, from large-scale retention ponds and constructed wetlands, to small-scale underground treatment systems, infiltration facilities, filter strips, low impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention basins, and manufactured devices. Structural stormwater BMPs are permanent appurtenances to the project site.

Conservation District – A conservation district, as defined in Section 3(c) of the Conservation District Law (3 P. S. § 851(c)) that has the authority under a delegation agreement executed with DEP to administer and enforce all or a portion of the regulations promulgated under 25 Pa. Code 102.

Design Storm – The magnitude and temporal distribution of precipitation from a storm event measured in probability of occurrence (e.g., a 5-year storm) and duration (e.g., 24 hours) used in the design and evaluation of stormwater management systems. Also see Return Period.

Detention Volume – The volume of runoff that is captured and released into the waters of the Commonwealth at a controlled rate.

DEP – The Pennsylvania Department of Environmental Protection.

Development Site (Site) – See Project Site.

Disturbed Area – An unstabilized land area where an earth disturbance activity is occurring or has occurred.

Earth Disturbance Activity – A construction or other human activity which disturbs the surface of the land, including, but not limited to: clearing and grubbing; grading; excavations; embankments; road maintenance; building construction; and the moving, depositing, stockpiling, or storing of soil, rock, or earth materials.

Erosion – The natural process by which the surface of the land is worn away by water, wind, or chemical action.

Existing Condition – The dominant land cover during the 5-year period immediately preceding a proposed regulated activity.

FEMA – Federal Emergency Management Agency.

Floodplain – Any land area susceptible to partial or complete inundation during a 100-year flood, or any area subject to the unusual and rapid accumulation of surface water from any source, as delineated by applicable FEMA maps and studies as being a special flood hazard area. Also includes areas that comprise Group 13 Soils, as listed in Appendix A of the Pennsylvania DEP Technical Manual for Sewage Enforcement Officers (as amended or replaced from time to time by DEP). Also referred to as flood-prone area.

Floodway – The channel of the watercourse and those portions of the adjoining floodplains that are reasonably required to carry and discharge the 100-year flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year floodway, it is assumed--absent evidence to the contrary--that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

Forest Management/Timber Operations – Planning and activities necessary for the management of forestland. These include conducting a timber inventory, preparation of forest management plans, silvicultural treatment, cutting budgets, logging road design and construction, timber harvesting, site preparation, and reforestation.

Green Infrastructure – Systems and practices that use or mimic natural processes to infiltrate, evapotranspire, or reuse stormwater on the site where it is generated.

Hydrologic Soil Group (HSG) – Infiltration rates of soils vary widely and are affected by subsurface permeability as well as surface intake rates. Soils are classified into four HSGs (A, B, C, and D) according to their minimum infiltration rate, which is obtained for bare soil after prolonged wetting. The NRCS defines the four groups and provides a list of most of the soils in the United States and their group classification. The soils in the area of the development site may be identified from a soil survey report that can be obtained from local NRCS offices or conservation district offices. Soils become less pervious as the HSG varies from A to D (NRCS[1,2]).

Impervious Surface (Impervious Area) – A surface that prevents the infiltration of water into the ground. Impervious surfaces (or areas) shall include, but not be limited to all buildings; and all forms of impervious paving materials used for roads, driveways, parking, loading, walks, courts, patio, etc. Non-permanent, aboveground swimming pools are exempt from this definition, provided that there is a minimum of two feet between the pool and any property line or other structure on the property.

Karst – A type of topography or landscape characterized by surface depressions, sinkholes, rock pinnacles/uneven bedrock surface, underground drainage, and caves. Karst is formed on carbonate rocks, such as limestone or dolomite.

Land Development (Development) –

A. Any of the following activities:
   (1) The conversion of any existing building or site that involves a change of land use, except as noted below in subsection (B)(1).
   (2) Development as herein defined.
   (3) The improvement of one lot or two or more contiguous lots, tracts or parcels of land for any purposed involving:
      (a) A group of two or more residential or nonresidential buildings, whether proposed initially or cumulatively, or single nonresidential building on lot or lots regardless of the number of occupants or tenure.
      (b) The division or allocation of land or space, whether initially or cumulatively, between or among two or more existing or prospective occupants by means of, or for the purpose of, streets, common areas, leaseholds, condominiums, building groups, or other features.
   (4) A subdivision of land.

B. https://ecode360.com/14297637 - 14297637Except that the following activities shall not be considered land developments:
   (1) The conversion of an existing single-family detached dwelling or single-family semidetached dwelling into not more than three residential units, unless such units are intended to be a condominium.
   (2) The addition of an accessory building, on a lot or lots subordinate to an existing principal building.

Low Impact Development (LID) – Site design approaches and small-scale stormwater management practices that promote the use of natural systems for infiltration, evapotranspiration, and reuse of rainwater. LID can be applied to new development, urban retrofits, and revitalization projects. LID utilizes design techniques that infiltrate, filter, evaporate, and store runoff close to its source. Rather than rely on costly large-scale conveyance and treatment systems, LID addresses stormwater through a variety of small, cost-effective landscape features located on-site.

Municipality – Borough of Conshohocken, Montgomery County, Pennsylvania.

NRCS – USDA Natural Resources Conservation Service (previously SCS).

Peak Discharge – The maximum rate of stormwater runoff from a specific storm event.

Pervious Area – Any area not defined as impervious.

Project Site – The specific parcel(s) of land where any regulated activities in the municipality are planned, conducted, or maintained.

Qualified Professional – Any person licensed by the Pennsylvania Department of State or otherwise qualified by law to perform the work required by this Ordinance.

Regulated Activities – Any earth disturbance activities or any activities that involve the alteration or development of land in a manner that may affect stormwater runoff.

Regulated Earth Disturbance Activity – Activity involving earth disturbance subject to regulation under 25 Pa. Code 92, 25 Pa. Code 102, or the Clean Streams Law.

Retention Volume/Removed Runoff – The volume of runoff that is captured and not released directly into the surface waters of this Commonwealth during or after a storm event.

Return Period – The average interval, in years, within which a storm event of a given magnitude can be expected to occur one time. For example, the 25-year return period rainfall would be expected to occur on average once every 25 years; or stated in another way, the probability of a 25-year storm occurring in any one year is 0.04 (i.e., a 4% chance).

Riparian Buffer – A permanent area of trees and shrubs located adjacent to streams, lakes, ponds and wetlands.

Runoff – Any part of precipitation that flows over the land.

Sediment – Soils or other materials transported by surface water as a product of erosion.

State Water Quality Requirements – The regulatory requirements to protect, maintain, reclaim, and restore water quality under Title 25 of the Pennsylvania Code and the Clean Streams Law.

Stormwater – Drainage runoff from the surface of the land resulting from precipitation or snow or ice melt.

Stormwater Management Facility – Any structure, natural or man-made, that, due to its condition, design, or construction, conveys, stores, or otherwise affects stormwater runoff. Typical stormwater management facilities include, but are not limited to: detention and retention basins; open channels; storm sewers; pipes; and infiltration facilities.

Stormwater Management Site Plan (SWM Site Plan) – The plan prepared by the applicant or his representative indicating how stormwater runoff will be managed at the development site in accordance with this Ordinance. **Stormwater Management Site Plan** will be designated as **SWM Site Plan** throughout this Ordinance.

Subdivision – The division or re-division of a lot, tract, or parcel of land by any means into two or more lots, tracts, parcels, or other divisions of land, including changes in existing lot lines for the purpose, whether immediate or future, of lease, partition by the court for distribution to heirs or devisees, transfer of ownership, or building or lot development; provided, however, that the subdivision by lease of land for agricultural purposes into parcels of more than 10 acres, not involving any new street or easement of access or any residential dwelling shall be exempted.

USDA – United States Department of Agriculture.

Waters of this Commonwealth – Any and all rivers, streams, creeks, rivulets, impoundments, ditches, watercourses, storm sewers, lakes, dammed water, wetlands, ponds, springs, and all other bodies or channels of conveyance of surface and underground water, or parts thereof, whether natural or artificial, within or on the boundaries of this Commonwealth.

Watershed – Region or area drained by a river, watercourse, or other surface water of this Commonwealth.

Wetland – Areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs, and similar areas. Development in wetlands is regulated by the U.S. Army Corps of Engineers and the Pennsylvania Department of Environmental Resources. Identification of wetlands should be based upon the Federal Manual for Identifying and Delineating Wetlands, an interagency publication of the Corps of Engineers, EPA, Fish and Wildlife Service, and Soil Conservation Service, dated January 1989.

ARTICLE III – STORMWATER MANAGEMENT STANDARDS

Section 19-301. General Requirements

A. For all regulated activities, unless preparation of an SWM Site Plan is specifically exempted in Section 19-302:

1. Preparation and implementation of an approved SWM Site Plan is required.

2. No regulated activities shall commence until the municipality issues written approval of an SWM Site Plan, which demonstrates compliance with the requirements of this Ordinance.

B. SWM Site Plans approved by the municipality, in accordance with Section 19-406, shall be on site throughout the duration of the regulated activity.

C. The municipality may, after consultation with DEP, approve measures for meeting the state water quality requirements other than those in this Ordinance, provided that they meet the minimum requirements of, and do not conflict with, state law including, but not limited to, the Clean Streams Law.

D. Erosion and Sediment Controls:

1. For all regulated earth disturbance activities, erosion and sediment control BMPs shall be designed, implemented, operated, and maintained during the regulated earth disturbance activities (e.g., during construction) to meet the purposes and requirements of this Ordinance and to meet all requirements under Title 25 of the Pennsylvania Code and the Clean Streams Law. Various BMPs and their design standards are listed in the *Erosion and Sediment Pollution Control Program Manual* (E&S Manual[3]), No. 363-2134-008, as amended and updated.

2. No regulated earth disturbance activities within the Borough shall commence until approval by the Borough of an Erosion and Sediment Control Plan for construction activities. Evidence of any necessary permit(s) for regulated earth disturbance activities from the DEP or Montgomery County Conservation District must be provided to the Borough prior to commencement of the regulated earth disturbance activities.

3. The DEP has regulations that require an Erosion and Sediment Control Plan for any earth disturbance activity of 5,000 square feet or more, under 25 Pa. Code § 102.4(b). The applicant is required to meet these regulations. In addition, under 25 Pa. Code Chapter 92, a DEP "NPDES Construction Activities" permit is required for any earth disturbance one acre or more with a point source discharge to surface waters or the Borough's storm sewer system, or five acres or more regardless of the planned runoff. This includes earth disturbance on any portion of, part of or during any stage of, a larger common plan of development.

4. A copy of the Erosion and Sediment Control plan and any required permit from the DEP or Montgomery County Conservation District shall be available at the project site at all times.

E. Impervious areas:

1. The measurement of impervious areas shall include all of the impervious areas in the total proposed development even if development is to take place in stages.

2. For development taking place in stages, the entire development plan must be used in determining conformance with this Ordinance.

3. For projects that add impervious area to a parcel, the total impervious area on the parcel is subject to the requirements of this Ordinance; except that the volume controls in Section 19-303 and the

peak rate controls of Section 19-304 do not need to be retrofitted to existing impervious areas that are not being altered by the proposed regulated activity.

4. The date of the municipal adoption of this chapter shall be the starting point from which to consider tracts as "parent tracts" in which future subdivisions and respective impervious area computations shall be cumulatively considered.

F. Stormwater flows onto adjacent property shall not be created, increased, decreased, relocated, or otherwise altered without written approval of the impacted adjacent property owner(s). Such stormwater flows shall be subject to the requirements of this Ordinance.

G. All regulated activities shall include such measures as necessary to:

1. Protect health, safety, and property.

2. Meet the water quality goals of this Ordinance by implementing measures to:

a. Minimize disturbance to floodplains, wetlands, and wooded areas.

b. Maintain or extend riparian buffers.

c. Avoid erosive flow conditions in natural flow pathways.

d. Minimize thermal, physical, chemical, and biological impacts to waters of this Commonwealth.

e. Disconnect impervious surfaces by directing runoff to pervious areas, wherever possible.

f. Protect and maintain existing uses (e.g., drinking water use; cold water fishery use) and maintain the level of water quality necessary to protect those uses in all streams, and to protect and maintain water quality in "Special Protection" streams, as required by statewide regulations at 25 Pa. Code Chapter 93.

3. Incorporate methods described in the *Pennsylvania Stormwater Best Management Practices Manual* (BMP Manual[4]).

H. The design of all facilities over karst shall include an evaluation of measures to minimize adverse effects.

I. Infiltration BMPs should be spread out, made as shallow as practicable, and located to maximize use of natural on-site infiltration features while still meeting the other requirements of this Ordinance.

J. Normally dry, open top, storage facilities shall completely drain both the volume control and rate control capacities over a period of time not less than 24 and not more than 72 hours from the end of the design storm.

K. The design storm volumes to be used in the analysis of peak rates of discharge shall be obtained from the latest version of the Precipitation-Frequency Atlas of the United States, National Oceanic and Atmospheric Administration (NOAA), National Weather Service, Hydrometeorological Design Studies Center, Silver Spring, Maryland.

NOAA's Atlas 14[5] can be accessed at: http://hdsc.nws.noaa.gov/hdsc/pfds/.

L. For all regulated activities, SWM BMPs shall be designed, implemented, operated, and maintained to meet the purposes and requirements of this Ordinance and to meet all requirements under Title 25 of the Pennsylvania Code, the Clean Streams Law, and the Storm Water Management Act.

M. All SWM BMPs used to meet the requirements of this Ordinance shall be in accordance with the BMP Manual[4] and §22-410.5. The more stringent requirements shall apply.

Section 19-302. Exemptions

A. Regulated activities that result in 600 square feet or less of additional impervious area may be exempt from the requirements in Section 19-303, Section 19-304, and Article IV of this Ordinance. Regulated activities that result in 601 square feet to 1,000 square feet of additional impervious area may use the Simplified Approach to Stormwater Management for Small Projects included in Appendix B to be exempted from the requirements in Section 19-303, Section 19-304, and Article IV of this Ordinance and §22-410.3 & 5 of Chapter 22 *Subdivision and Land Development*. The first 1,000 square feet of additional impervious will not be exempted from projects which exceed 1,000 square feet in cumulative additional impervious except as permitted in Sections 19-302.B. and 19-302.C. All Applicants seeking an exemption shall submit documentation as deemed necessary by the Borough of Conshohocken to determine compliance with the exemption criteria.

B. Agricultural activity is exempt from the SWM Site Plan preparation requirements of this Ordinance provided the activities are performed according to the requirements of 25 Pa. Code Chapter 102.

C. Forest management and timber operations are exempt from the SWM Site Plan preparation requirements of this Ordinance provided the activities are performed according to the requirements of 25 Pa. Code Chapter 102.

D. Exemptions from any provisions of this Ordinance shall not relieve the applicant from the requirements in Sections 19-301.D through K, from implementing such measures as are necessary to protect health, safety, and property, or from the responsibility to secure required permits or approvals for activities regulated by any other applicable code, rule, act or ordinance.

E. The Municipality may deny or revoke any exemption pursuant to this Section at any time for any project that the Municipality believes may pose a threat to public health and safety or the environment.

F. Any and all exemptions shall be at the discretion of the municipality, as recommended by the Municipal Engineer, upon review of site conditions, topography, soils, and other factors as desired.

Section 19-303. Volume Controls

Volume controls will mitigate increased runoff impacts, protect stream channel morphology, maintain groundwater recharge, and contribute to water quality improvements. Stormwater runoff volume control methods are based on the net change in runoff volume for the two-year storm event.

The green infrastructure and low impact development practices provided in the BMP Manual[4] shall be utilized for all regulated activities wherever possible.

Water volume controls shall be implemented using the *Design Storm Method* in Subsection A or the *Simplified Method* in Subsection B below. For regulated activity areas equal or less than one acre that do not require hydrologic routing to design the stormwater facilities, this Ordinance establishes no preference for either methodology; therefore, the applicant may select either methodology on the basis of economic considerations, the intrinsic limitations on applicability of the analytical procedures associated with each methodology and other factors. All regulated activities greater than one acre and those that require hydrologic routing to design the stormwater storage facilities must use the *Design Storm Method*.

A. The *Design Storm Method* (CG-1 in the BMP Manual[4]) is applicable to any size of regulated activity. This method requires detailed modeling based on site conditions.

    1. Do not increase the post-development total runoff volume for all storms equal to or less than the 2-year 24-hour duration precipitation.

2. For modeling purposes:

   a. Existing (predevelopment) non-forested pervious areas must be considered meadow in good condition.

   b. 20% of existing impervious area, when present, shall be considered meadow in good condition in the model for existing conditions.

   c. Runoff volume must be calculated for each land use type and soil. The use of a weighted CN value for volume calculations is not acceptable.

3. The calculated volume shall be either reused, evapotranspired, or infiltrated through structural or non-structural means.

4. To calculate the runoff volume (cubic feet) for existing site conditions (pre-development) and for the proposed developed site conditions (post-development), use the Soil Cover Complex Method:

Soil Cover Complex Method:

Step 1: Runoff (in) = Q = $(P-0.2S)^2/(P + 0.8S)$

Where:

P	=	Two-year rainfall (inches)
S	=	(1,000/CN) — 10; the potential maximum retention (including initial abstraction, Ia)

Step 2: Runoff Volume (cubic feet) = Q x Area x 1/12

Where:

Q	=	Runoff (inches)
Area	=	Stormwater management area (square feet)

B. The *Simplified Method* (CG-2 in the BMP Manual[4]) provided below is independent of site conditions and should be used if the *Design Storm Method* is not followed. This method is not applicable to regulated activities greater than one acre or for projects that require design of stormwater storage facilities. For new impervious surfaces:

1. Stormwater facilities shall capture at least the first two (2) inches of runoff from all new impervious surfaces.

   Volume (cubic feet) = (2 inches runoff/12 inches)* impervious surface (square feet)

2. At least the first one inch of runoff from new impervious surfaces shall be permanently removed from the runoff flow, i.e., it shall not be released into the surface waters of this Commonwealth. Runoff removal options include reuse, evaporation, transpiration, and infiltration.

   Volume (cubic feet) = (1 inch runoff/12 inches)* impervious surface (square feet)

3. Wherever possible, infiltration facilities should be designed to accommodate infiltration of the entire permanently removed runoff; however, in all cases where soils are suitable for infiltration based on the criteria of §22-410.5.C.(i), at least the first 0.5 inch of the permanently removed runoff shall be infiltrated.

C. The applicant shall demonstrate how the required volume is controlled through SWM BMPs, which shall provide the means necessary to capture, reuse, evaporate, transpire or infiltrate the required volume.

Section 19-304. Rate Controls

A. Post-development discharge rates shall not exceed the pre-development discharge rates for the 1-, 2-, 5-, 10-, 25-, 50-, and 100-year, 24-hour storm events. If it is shown that the peak rates of discharge indicated by the post-development analysis are less than or equal to the peak rates of discharge indicated by the pre-development analysis for 1-, 2-, 5-, 10-, 25-, 50-, and 100-year, 24-hour storms for each point of interest, then the requirements of this section have been met. Otherwise, the applicant shall provide additional controls as necessary to satisfy the peak rate of discharge requirement.

B. Stormwater runoff peak discharges from all drainage areas greater than one acre shall be calculated using the NRCS Soil-Cover Complex Method. The Borough may allow the use of the Rational or Dekalb Rational Method (Q=CIA) to estimate peak discharges from drainage areas that contain one acre or less, with the support of the Borough Engineer. The method selected by the design professional shall be based on the individual limitations and suitability of each method for a particular site.

1. All calculations using the NRCS Soil-Cover Complex Method shall use the appropriate design rainfall depths for the various return period storms obtained from the latest version of the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 rain data corresponding to the Conshohocken station for the precipitation depth data using the upper bound of the ninety-percent confidence interval for the various return period storms. If a hydrologic computer model is used for stormwater runoff calculations, then the duration of rainfall shall be 24 hours. This data may also be directly retrieved from the NOAA Atlas 14 website: http://hdsc.nws.noaa.gov/hdsc/pfds/orb/pa_pfds.html

    a. Runoff curve numbers (CN) for both existing and proposed conditions to be used in the Soil-Cover Complex Method shall be based on Urban Hydrology for Small Watersheds, NRCS, TR-55 (as amended from time to time by NRCS.

2. All calculations using the Rational Methods shall use rainfall intensities consistent with appropriate times-of-concentration for overland flow and return periods obtained from the latest version of the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 rain data corresponding to the Conshohocken station for the precipitation intensity using the upper bound of the ninety-percent confidence interval for the various return period storms. If a hydrologic computer model is used for stormwater runoff calculations, then the duration of rainfall shall be 24 hours. This data may also be directly retrieved from the NOAA Atlas 14 website: http://hdsc.nws.noaa.gov/hdsc/pfds/orb/pa_pfds.html

    a. Runoff coefficients (c) for both existing and proposed conditions for use in the Rational Method shall be consistent with Table 1 in Appendix A.

    b. Times of concentration for overland flow shall be calculated using the methodology presented in Chapter 3 of Urban Hydrology for Small Watersheds, NRCS, TR-55 (as amended from time to time by NRCS). Roughness coefficients shall be consistent with Table 2 in Appendix A.

3. The Borough has the authority to require that computed existing runoff rates be reconciled with field observations and conditions.

4. The design of any SWM BMP intended to meet the rate control requirements shall be verified by routing the design storm hydrographs through the proposed facility.

ARTICLE IV – STORMWATER MANAGEMENT (SWM) SITE PLAN REQUIREMENTS

Section 19-401. Plan Requirements

The following items shall be included in the SWM Site Plan:

A. Requirements from §22-410 of the Subdivision and Land Development Ordinance, and other applicable ordinances, shall be followed in preparing the SWM Site Plans.

B. The Municipality shall not approve any SWM Site Plan that is deficient in meeting the requirements of this Ordinance. At its sole discretion and in accordance with this Article, when a SWM Site Plan is found to be deficient, the municipality shall disapprove the submission and require a resubmission.

C. Provisions for permanent access or maintenance easements for all physical SWM BMPs as necessary to implement the Operation and Maintenance (O&M) Plan discussed in Section 19-401.E.9 below.

D. The following signature blocks:

1. "(Municipal official or designee), on this date (Signature date), has reviewed and hereby certifies that the SWM Site Plan meets all design standards and criteria of the Municipal Ordinance No. (number assigned to ordinance)."

2. Certificate, signed and sealed by a Qualified Professional, indicating compliance with the provisions of this Ordinance: "(Design Engineer), on this date (Signature date), has reviewed and hereby certified that the SWM Site Plan meets all design standards and criteria of the Borough of Conshohocken Stormwater Management Ordinance.

3. "(Owner), on this date (Signature date), acknowledges the stormwater BMPs and management facilities to be a permanent fixture that can be altered or removed only after approval by the Borough of Conshohocken of a revised plan, which shall be applicable to all future landowners.

E. The SWM Site Plan shall provide the following information:

1. The overall stormwater management concept for the project.

2. A determination of site conditions in accordance with the BMP Manual[4]. A detailed site evaluation, prepared by a qualified professional, shall be submitted for projects proposed in areas of carbonate geology or karst topography, and other environmentally sensitive areas, such as brownfields.

3. Stormwater runoff design computations and documentation as specified in this Ordinance, or as otherwise necessary to demonstrate that the maximum practicable measures have been taken to meet the requirements of this Ordinance, including the general requirements in Section 19-301.

4. Expected project time schedule.

5. A soil erosion and sediment control plan, where applicable, as prepared for and submitted to the approval authority.

6. The effect of the project (in terms of runoff volumes, water quality, and peak flows) on surrounding properties and aquatic features and on any existing stormwater conveyance system that may be affected by the project.

7. Plan and profile drawings of all SWM BMPs, including drainage structures, pipes, open channels, and swales. Profiles shall be plotted along with the existing grade, proposed grade, and the hydraulic grade line information for the system. Profiles shall also include the pipe size, material,

and slope, and the width of the channel or swale bottom, side slopes, bottom slope, and lining material.

8. Locations of existing and proposed on-lot wastewater facilities and water supply wells.

9. The SWM Site Plan shall include an O&M Plan for all existing and proposed physical stormwater management facilities. This plan shall address long-term ownership and responsibilities for O&M as well as schedules and costs for O&M activities.

10. Additional information as required by §22-410.3

Section 19-402. Plan Submission

The following copies of the SWM Site Plan shall be submitted to the Borough of Conshohocken as follows for all submissions and resubmissions:

1. Two paper copies for the municipality.

2. One paper copy for the municipal engineer.

3. One electronic copy, in both PDF and CAD formats.

The applicant shall be responsible for distributing plans, fees, and application form to the other appropriate agencies having jurisdiction, including but not limited to the Montgomery County Conservation District, Montgomery County Planning Commission, PADEP, U.S. Army Corps of Engineers, and PennDOT.

Section 19-403. Plan Review

A. SWM Site Plans shall be reviewed by the municipality for consistency with the provisions of this Ordinance.

B. The Municipality shall notify the applicant in writing within 45 days whether the SWM Site Plan is approved or disapproved. If the SWM Site Plan involves a Subdivision and Land Development Plan, the notification shall occur within the time period allowed by the Municipalities Planning Code (90 days) or as otherwise waived by the applicant. If a longer notification period is provided by other statute, regulation, or ordinance, the applicant will be so notified by the municipality.

C. If the Municipality disapproves the SWM Site Plan, the Municipality will state the reasons for the disapproval in writing. The Municipality also may approve the SWM Site Plan with conditions and, if so, shall provide the acceptable conditions for approval in writing.

Section 19-404. Modification of Plans

A modification to a submitted SWM Site Plan that involves a change in SWM BMPs or techniques, or that involves the relocation or redesign of SWM BMPs, or that is necessary because soil or other conditions are not as stated on the SWM Site Plan as determined by the Municipality shall require a resubmission of the modified SWM Site Plan in accordance with this Article.

Section 19-405. Resubmission of Disapproved SWM Site Plans

A disapproved SWM Site Plan may be resubmitted, with the revisions addressing the Municipality's concerns, to the Municipality in accordance with this Article. The applicable review fee must accompany a resubmission of a disapproved SWM Site Plan.

Section 19-406. Authorization to Construct and Term of Validity

The Municipality's approval of an SWM Site Plan authorizes the regulated activities contained in the SWM Site Plan for a maximum term of validity of 3 years following the date of approval. The Municipality may specify a term of validity shorter than 3 years in the approval for any specific SWM Site Plan. Terms of validity shall commence on the date the Municipality signs the approval for an SWM Site Plan. If an approved SWM Site Plan is not completed according to Section 19-407 within the term of validity, then the Municipality may consider the SWM Site Plan disapproved and may revoke any and all permits. SWM Site Plans that are considered disapproved by the Municipality shall be resubmitted in accordance with Section 19-405 of this Ordinance.

Section 19-407. As-Built Plans, Completion Certificate, and Final Inspection

A. The developer shall be responsible for providing as-built plans of all SWM BMPs included in the approved SWM Site Plan. The as-built plans and an explanation of any discrepancies with the construction plans shall be submitted to the Municipality.

B. At a minimum, the as-built plans shall include: general lot layout, including location of all structures, other impervious surfaces, and final grading; plans and profiles showing all pipes with finished grades; location, length, material, and slope of all storm sewer systems, wastewater, water, and gas mains; location of all wastewater laterals and water services; final grading plan for SWM BMPs with design and as-built volume calculations; invert and top elevations for all sanitary manholes, storm manholes, inlets, and endwalls; and location and depth of all public utilities and services, etc. The as-built plans shall be certified as to their correctness by the preparing surveyor or engineer. All plans shall be sealed by a surveyor or engineer licensed in the Commonwealth of Pennsylvania and labeled "AS-BUILT DRAWINGS" and include the date of preparation and firm name. The as-built submission shall also include electronic files in PDF and CAD format. The as-built plans shall be approved by the Borough of Conshohocken prior to the Borough accepting the improvements and processing the completion certificate.

C. The as-built submission shall include a certification of completion signed by a qualified professional verifying that all permanent SWM BMPs have been constructed according to the approved plans and specifications. The latitude and longitude coordinates for all permanent SWM BMPs must also be submitted, at the central location of the BMPs. If any licensed qualified professionals contributed to the construction plans, then a licensed qualified professional must sign the completion certificate.

D. After receipt of the completion certification by the Municipality, the Municipality will review the as-built plans and may conduct a final inspection.

ARTICLE V – OPERATION AND MAINTENANCE

Section 19-501. Responsibilities of Developers and Landowners

A. The Municipality shall make the final determination on the continuing maintenance responsibilities prior to final approval of the SWM Site Plan. The municipality may require a dedication of such facilities as part of the requirements for approval of the SWM Site Plan. Such a requirement is not an indication that the municipality will accept the facilities. The municipality reserves the right to accept or reject the ownership and operating responsibility for any portion of the stormwater management controls.

B. Facilities, areas, or structures used as SWM BMPs shall be enumerated as permanent real estate appurtenances and recorded as deed restrictions or conservation easements that run with the land.

C. The O&M Plan shall be recorded as a restrictive deed covenant that runs with the land.

D. The Municipality may take enforcement actions against an owner for any failure to satisfy the provisions of this Article.

Section 19-502. Operation and Maintenance Agreements

A. Prior to final approval of the SWM Site Plan, the property owner shall sign and record an Operation and Maintenance (O&M) Agreement in a form acceptable to the Borough Solicitor covering all stormwater control facilities which are to be privately owned.

   1. The owner, successor and assigns shall maintain all facilities in accordance with the approved maintenance schedule in the O&M Agreement.

   2. The owner shall convey to the Municipality conservation easements to assure access for periodic inspections by the Municipality and maintenance, as necessary.

   3. The owner shall keep on file with the Municipality the name, address, and telephone number of the person or company responsible for maintenance activities; in the event of a change, new information shall be submitted by the owner to the Municipality within ten (10) working days of the change.

B. The owner is responsible for operation and maintenance (O&M) of the SWM BMPs. If the owner fails to adhere to the O&M Agreement, the Municipality may perform the services required and charge the owner appropriate fees. Nonpayment of fees may result in a lien against the property.

Section 19-503. Performance Guarantee

A. For SWM Site Plans that involve subdivision and land development, the applicant shall provide a financial guarantee to the Municipality for the timely installation and proper construction of all stormwater management controls as required by the approved SWM Site Plan and this Ordinance in accordance with the provisions of Sections 509, 510, and 511 of the Pennsylvania Municipalities Planning Code.

B. For all other regulated activities, the Municipality shall require a financial guarantee from the applicant in an amount to be reviewed and approved by the Municipal Engineer.

ARTICLE VI – FEES AND EXPENSES

Section 19-601 . General

Fees shall be established by the Borough of Conshohocken to cover plan review and inspection costs incurred by the Borough of Conshohocken. All fees shall be paid by the applicant at the time of the SWM Site Plan submission. No permit to begin any work on the project shall be issued until the requisite fees have been paid. A fee schedule shall be established by resolution of the Council of the Borough of Conshohocken based on the whether the property is residential/owner occupied or a commercial or rental property. The Borough of Conshohocken shall periodically update the fee schedule to ensure that its costs are adequately reimbursed. The Borough of Conshohocken may include all costs incurred in the review fee charged to an applicant.

The review fee may include, but not be limited to, costs for the following:

A. Administrative/clerical processing.

B. Review of the SWM Site Plan.

C. Attendance at meetings.

D. Review of the Operation and Maintenance responsibilities and agreements, including financial guarantees.

E. Inspections during construction and at the completion of construction including, but not limited to, preliminary site preparation, rough grading, stormwater management facilities, BMPs, and appurtenances, establishment of ground covers, and all restoration work.

   1. The applicant shall notify the Borough Engineer a minimum of 48 hours in advance of commencing of each of these phases. The Borough Engineer, upon such notification, shall make field inspections on the site to determine if work in progress and the completed operations have been performed in accordance with the SWM Site Plan.

   2. Any portion of the work which does not comply with the approved SWM Site Plan must be corrected by the Applicant within 10 days. No work may proceed on any subsequent phases of the SWM Site Plan until the required corrections have been made.

F. Review of the as-built plans.

G. Any additional work required to enforce any permit provisions regulated by this Ordinance, correct violations, and assure proper completion of stipulated remedial actions.

ARTICLE VII – PROHIBITIONS

Section 19-701 . Prohibited Discharges and Connections

A. Any drain or conveyance, whether on the surface or subsurface, that allows any non-stormwater discharge including sewage, process wastewater, and wash water to enter a regulated small MS4 or to enter the surface waters of this Commonwealth is prohibited.

B. Any drain or conveyance connected from a commercial or industrial land use to the regulated small MS4 which has not been documented in plans, maps, or equivalent records and approved by the Borough.

C. No person shall allow, or cause to allow, discharges into a regulated small MS4, or discharges into waters of this Commonwealth, which are not composed entirely of stormwater, except (1) as provided in paragraph D below and (2) discharges authorized under a state or federal permit.

D. The following discharges are authorized unless they are determined to be significant contributors to pollution a regulated small MS4 or to the waters of this Commonwealth:

1. Discharges or flows from firefighting activities.

2. Discharges from potable water sources including water line flushing and fire hydrant flushing, if such discharges do not contain detectable concentrations of Total Residual Chlorine (TRC).

3. Non-contaminated irrigation water, water from lawn maintenance, landscape drainage and flows from riparian habitats and wetlands.

4. Diverted stream flows and springs.

5. Non-contaminated pumped ground water and water from foundation and footing drains and crawl space pumps.

6. Non-contaminated HVAC condensation and water from geothermal systems.

7. Residential (i.e., not commercial) vehicle wash water where cleaning agents are not utilized.

8. Non-contaminated hydrostatic test water discharges, if such discharges do not contain detectable concentrations of TRC.

E. In the event that the municipality or DEP determines that any of the discharges identified in Subsection D significantly contribute pollutants to the Borough's separate storm sewer system or to the waters of this Commonwealth, the municipality or DEP will notify the responsible person(s) to cease the discharge.

Section 19-702. Roof Drains and Sump Pumps

A. Roof drains and sump pumps shall discharge to infiltration or vegetative BMPs wherever feasible. Where it is more advantageous to connect directly to streets or storm sewers, connections may be permitted on a case-by-case basis as determined by the Borough.

B. Roof drain and sump pump pipes shall not discharge water over a sidewalk but shall extend under the sidewalk to the gutter.

C. A solid lid cleanout shall be provided for all roof drains and sump pumps, located within the lot between the contributing building or structure and the right-of-way.

Section 19-703 . Alteration of SWM BMPs

No person shall modify, remove, fill, landscape, or alter any SWM BMPs, facilities, areas, or structures that were installed as a requirement of this Ordinance without the written approval of the Municipality. Anyone violating this requirement shall be subject to the Enforcement and Penalties of Article VIII.

ARTICLE VIII – ENFORCEMENT AND PENALTIES

Section 19-801. Right-of-Entry

Upon presentation of proper credentials, the municipality or its designated agent may enter at reasonable times upon any property within the municipality to inspect the condition of the stormwater structures and facilities in regard to any aspect regulated by this Ordinance.

Section 19-802. Inspection

A. The landowner or the owner's designee (including the Municipality for dedicated and owned facilities) shall inspect SWM BMPs, facilities and/or structures installed under this Ordinance in accordance with the O&M Agreement, but not less than the following frequencies, to ensure the BMPs, facilities and/or structures continue to function as intended:

   1. Annually for the first 5 years.

   2. Once every 3 years thereafter.

   3. During or immediately after the cessation of a 10-year or greater storm.

B. Inspections should be conducted during or immediately following precipitation events. A written inspection report shall be created to document each inspection. The inspection report shall contain the date and time of the inspection, the individual(s) who completed the inspection, the location of the BMP, facility or structure inspected, observations on performance, and recommendations for improving performance, if applicable. Inspection reports shall be submitted to the Municipality within 30 days following completion of the inspection.

Section 19-803. Enforcement

A. It shall be unlawful for a person to undertake any regulated activity except as provided in an approved SWM Site Plan, unless specifically exempted in Section 19-302.

B. It shall be unlawful to violate Section 19-703 of this Ordinance.

C. Inspections regarding compliance with the SWM Site Plan are a responsibility of the Municipality.

Section 19-804. Suspension and Revocation

A. Any building, land development, or other approval or permit issued by the Municipality pursuant to this Ordinance may be suspended or revoked for:

   1. Non-compliance with or failure to implement any provision of the approved SWM Site Plan or O&M Agreement.

   2. A violation of any provision of this Ordinance or any other applicable law, ordinance, rule, or regulation relating to the Regulated Activity.

   3. The creation of any condition or the commission of any act during the Regulated Activity which constitutes or creates a hazard, nuisance, pollution, or endangers the life or property of others.

B. A suspended approval may be reinstated by the Municipality when:

   1. The Municipality has inspected and approved the corrections to the violations that caused the suspension.

2. The Municipality is satisfied that the violation has been corrected.

C. An approval that has been revoked by the Municipality cannot be reinstated. The applicant may apply for a new approval under the provisions of this Ordinance.

D. If a violation causes no immediate danger to life, public health, or property, at its sole discretion, the Municipality may provide a limited time period for the owner to correct the violation. In these cases, the Municipality will provide the owner, or the owner's designee, with a written notice of the violation and the time period allowed for the owner to correct the violation. If the owner does not correct the violation within the allowed time period, the municipality may revoke or suspend any, or all, applicable approvals and permits pertaining to any provision of this Ordinance. Such notice may require without limitation:

1. The performance of monitoring, analyses, and reporting;

2. The elimination of prohibited discharges;

3. Cessation of any violating discharges, practices, or operations;

4. The abatement or remediation of stormwater pollution or contamination hazards and the restoration of any affected property;

5. Payment of a fine to cover administrative and remediation costs;

6. The implementation of stormwater BMPs; and

7. Operation and maintenance of stormwater BMPS.

Section 19-805. Penalties

A. Anyone violating the provisions of this Ordinance shall be guilty of a summary offense, and upon conviction, shall be subject to a fine of not more than $1,000 for each violation, recoverable with costs. Each day that the violation continues shall be a separate offense and penalties shall be cumulative. Penalties shall not prevent the Borough from pursuing any and all other remedies available in law or equity.

B. In addition, the municipality, through its Solicitor, may institute injunctive, mandamus, or any other appropriate action or proceeding at law or in equity for the enforcement of this Ordinance. Any court of competent jurisdiction shall have the right to issue restraining orders, temporary or permanent injunctions, mandamus, or other appropriate forms of remedy or relief.

Section 19-806. Appeals

A. Any person aggrieved by any action of the Municipality or its designee, relevant to the provisions of this Ordinance, may appeal to the Municipality within 30 days of that action.

B. Any person aggrieved by any decision of the Municipality, relevant to the provisions of this Ordinance, may appeal to the Montgomery County Court of Common Pleas within 30 days of the Municipality's decision.

ARTICLE IX – REFERENCES

1. U.S. Department of Agriculture, National Resources Conservation Service (NRCS). *National Engineering Handbook.* Part 630: Hydrology, 1969-2001. Originally published as the *National Engineering Handbook*, Section 4: Hydrology. Available from the NRCS online at: http://www.nrcs.usda.gov/.

2. U.S. Department of Agriculture, Natural Resources Conservation Service. 1986. *Technical Release 55: Urban Hydrology for Small Watersheds*, 2nd Edition. Washington, D.C.

3. Pennsylvania Department of Environmental Protection. No. 363-0300-002 (December 2006), as amended and updated. *Pennsylvania Stormwater Best Management Practices Manual.* Harrisburg, PA.

4. Pennsylvania Department of Environmental Protection. No. 363-2134-008 (March 31, 2012), as amended and updated. *Erosion and Sediment Pollution Control Program Manual.* Harrisburg, PA.

5. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, Hydrometeorological Design Studies Center. 2004-2006. *Precipitation-Frequency Atlas of the United States, Atlas 14*, Volume 2, Version 3.0, Silver Spring, Maryland. Internet address: http://hdsc.nws.noaa.gov/hdsc/pfds/.

_____ (Ordinance Name) _____

_____ (Ordinance Number) _____

ENACTED and **ORDAINED** at a regular meeting of the

_____

on this _____ day of _____, 20_____.

This Ordinance shall take effect immediately.

_____ _____
_____
(Name) (Title)

_____ _____
_____
(Name) (Title)

_____ _____
_____
(Name) (Title)

ATTEST:

_____
Secretary

APPENDIX A

STORMWATER COEFFICIENTS

Table 1
Rational Runoff Coefficients
By Hydrologic Soils Group and Overland Slope (%)

	A			B			C			D		
Land Use	**0-2%**	**2-6%**	**6%+**	**0-2%**	**2-6%**	**6%+**	**0-2%**	**2-6%**	**6%+**	**0-2%**	**2-6%**	**6%+**
Cultivated land	0.08[a]	0.13	0.16	0.11	0.15	0.21	0.14	0.19	0.26	0.18	0.23	0.31
	0.14[b]	0.18	0.22	0.16	0.21	0.28	0.20	0.25	0.34	0.24	0.29	0.41
Pasture	0.12	0.20	0.30	0.18	0.28	0.37	0.24	0.34	0.44	0.30	0.40	0.50
	0.15	0.25	0.37	0.23	0.34	0.45	0.30	0.42	0.52	0.37	0.50	0.62
Meadow	0.10	0.16	0.25	0.14	0.22	0.30	0.20	0.28	0.36	0.24	0.30	0.40
	0.14	0.22	0.30	0.30	0.38	0.37	0.26	0.35	0.44	0.30	0.40	0.50
Forest	0.05	0.08	0.11	0.08	0.11	0.14	0.10	0.13	0.16	0.12	0.16	0.20
	0.08	0.11	0.14	0.10	0.14	0.18	0.12	0.16	0.20	0.15	0.20	0.25
Residential:												
Lot size 1/8 acre	0.25	0.28	0.31	0.27	0.30	0.25	0.30	0.33	0.38	0.33	0.36	0.42
	0.33	0.37	0.40	0.35	0.39	0.44	0.38	0.42	0.49	0.41	0.45	0.54
Lot size 1/4 acre	0.22	0.26	0.29	0.24	0.29	0.33	0.27	0.31	0.36	0.30	0.34	0.40
	0.30	0.34	0.37	0.33	0.37	0.42	0.36	0.40	0.47	0.38	0.42	0.52
Lot size 1/3 acre	0.19	0.23	0.26	0.22	0.26	0.30	0.25	0.29	0.34	0.28	0.32	0.39
	0.28	0.32	0.35	0.30	0.35	0.39	0.33	0.38	0.45	0.36	0.40	0.50
Lot size 1/2 acre	0.16	0.20	0.24	0.19	0.23	0.28	0.22	0.27	0.32	0.26	0.30	0.37
	0.25	0.29	0.32	0.28	0.32	0.36	0.31	0.35	0.42	0.34	0.38	0.48
Lot size 1 acre	0.14	0.19	0.22	0.17	0.21	0.26	0.20	0.25	0.31	0.24	0.29	0.35
	0.22	0.26	0.29	0.24	0.28	0.34	0.28	0.32	0.40	0.31	0.35	0.46
Industrial	0.67	0.68	0.68	0.68	0.68	0.69	0.68	0.69	0.69	0.69	0.69	0.70
	0.85	0.85	0.86	0.85	0.86	0.86	0.86	0.86	0.87	0.86	0.86	0.88
Commercial	0.71	0.71	0.72	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
	0.88	0.88	0.89	0.89	0.89	0.89	0.89	0.89	0.90	0.89	0.89	0.90
Streets	0.70	0.71	0.71	0.71	0.72	0.74	0.72	0.73	0.76	0.73	0.75	0.78
	0.76	0.77	0.79	0.80	0.82	0.84	0.84	0.85	0.89	0.89	0.91	0.95
Open space	0.05	0.10	0.14	0.08	0.13	0.19	0.12	0.17	0.24	0.16	0.21	0.28
	0.11	0.16	0.20	0.14	0.19	0.26	0.18	0.23	0.32	0.22	0.27	0.39
Parking	0.85	0.86	0.87	0.85	0.86	0.87	0.85	0.86	0.87	0.85	0.86	0.87
	0.95	0.96	0.97	0.95	0.96	0.97	0.95	0.96	0.97	0.95	0.96	0.97

NOTES:
[a] Runoff coefficients for storm recurrence intervals less than 25 years.
[b] Runoff coefficients for stream recurrence intervals of 25 years or more.

Table 2
Roughness Coefficients (Manning's "n")

Surface Description	**n**
Dense growth	0.4 to 0.5
Pasture	0.3 to 0.4
Lawns	0.2 to 0.3
Bluegrass sod	0.2 to 0.5
Short grass prairie	0.1 to 0.2
Sparse vegetation	0.05 to 0.13
Bare clay-loam soil (eroded)	0.01 to 0.03
Concrete/asphalt	
Very shallow depths (less than 1/4 inch)	0.10 to 0.15
Small depths (1/4 inch to several inches)	0.05 to 0.10

Reach Description	**n**
Natural stream, clean, straight, no rifts or pools	0.03
Natural stream, clean, winding, some pools or shoals	0.04
Natural stream, winding, pools, shoals, stony with some weeds	0.05
Natural stream, sluggish deep pools and weeds	0.07
Natural stream or swale, very weedy or with timber underbrush	0.10
Concrete pipe, culvert or channel	0.012
Corrugated metal pipe	0.012 to 0.027[1]
High Density Polyethylene (HDPE) Pipe	
Corrugated	0.021 to 0.029[2]
Smooth lined	0.012 to 0.020[2]

NOTES:
[1] Depending upon type, coating and diameter.
[2] Values recommended by the American Concrete Pipe Association, check Manufacturer's recommended value.

APPENDIX B

SIMPLIFIED APPROACH TO STORMWATER MANAGEMENT FOR SMALL PROJECTS

Introduction

As required by federal and state law, the Borough of Conshohocken has adopted regulations that impact stormwater runoff and surface and groundwater quantity and quality. The purpose of the regulations is to help reduce stormwater runoff in the community, maintain groundwater recharge, prevent degradation of surface and groundwater quality, and otherwise protect water resources and public safety.

Every project constructing, reconstructing or adding over 600 square feet of impervious surface (see definition below) is required to comply with the regulations of the Borough's Stormwater Management Ordinance. However, projects that involve construction, reconstruction, or addition of up to 1,000 of impervious area may follow the simplified approach as outlined in this document. This approach includes sizing, designing, locating and installing structures, referred to as Best Management Practices, or BMPs, that will capture the first 1 inch of rainfall runoff from those impervious surfaces. BMPs may include infiltration trenches, rain gardens, dry wells, or tree planting.

This document describes requirements and a simplified method for designing a suitable BMP, or multiple BMPs, if desired, and a description of what needs to be included on the Site Plan. Detailed descriptions of each BMP option that may be considered for on-lot stormwater management are included, as are requirements for on-going operation and maintenance of the installed BMPs.

Upon completion, the Simplified Method Worksheet and Simplified Method Site Plan shall be submitted to the Borough, along with the Stormwater Management Plan application and any applicable fees.

Definitions

Best Management Practice (BMP) - Activities, facilities, designs, measures, or procedures used to manage stormwater impacts from regulated activities, to protect and maintain water quality and groundwater recharge and to otherwise meet the purposes of the Stormwater Management Ordinance, including but not limited to infiltration trenches, rain gardens, dry wells, and tree planting.

Capture - Collecting runoff to be stored for reuse or allowed to slowly infiltrate into the ground.

Geotextile - A fabric manufactured from synthetic fiber that is used to achieve specific objectives, including infiltration, separation between different types of media (i.e., between soil and stone), or filtration.

Hotspot - Areas where land use or activities generate highly contaminated runoff, with concentrations of pollutants that are higher than those that are typically found in stormwater (e.g., vehicle salvage yards and recycling facilities, vehicle fueling stations, fleet storage areas, vehicle equipment and cleaning facilities, and vehicle service and maintenance facilities).

Impervious Surface (Impervious Area) - A surface that prevents the infiltration of water into the ground. Impervious surfaces (or areas) include, but are not limited to all buildings; and all forms of impervious paving materials used for roads, driveways, parking, loading, walks, courts, patio, etc. Non-permanent, aboveground swimming pools are exempt from this definition, provided that there is a minimum of two feet between the pool and any property line or other structure on the property.

Infiltration - Movement of surface water into the soil, where it is absorbed by plant roots, evaporated into the atmosphere, or percolated downward to recharge groundwater.

Pervious Surface - Any area not defined as impervious.

Runoff – Any part of precipitation that flows over the land.

Stormwater – Drainage runoff from the surface of the land resulting from precipitation or snow or ice melt.

Void Ratio - The ratio of the volume of void space to the volume of solid substance in any material.

Description of BMPs

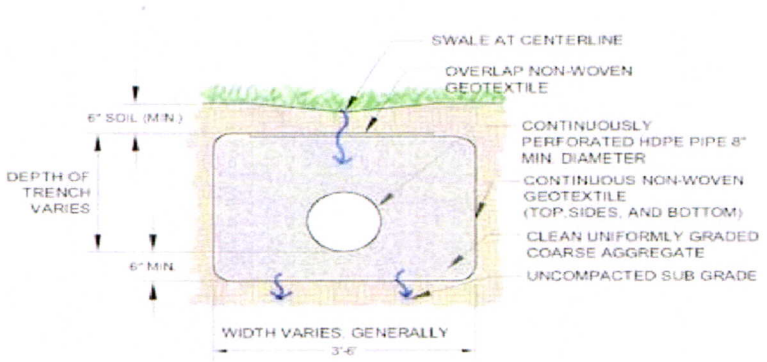
The following is a description of several types of BMPs that may be implemented in the simplified approach to stormwater management for small projects. The requirements of each BMP as described below are taken from the PA BMP Manual, which can be found on the PA Department of Environmental Protection's website.

Infiltration Trench

An infiltration trench is a long, narrow, rock-filled trench with or without a perforated pipe that receives stormwater runoff. Runoff is stored in the void space between the stones and in the pipe and infiltrates through the bottom and into the underlying soil. Infiltration trenches perform well for removal of fine sediment and associated pollutants. A typical infiltration trench configuration is shown below. Infiltration trenches shall incorporate or make provisions for the following elements:

- When incorporated, set the perforated pipe level.
- Provide a width between 3 and 8 feet with a depth range from 2 to 5 feet.
- Wrap the trench in non-woven geotextile (see definition above) on the top, sides, and bottom.
- Provide a positive overflow to allow excess flow from large storms to travel to other substantial infiltration areas or pervious areas and would not cause harm to property.
- Locate the infiltration trench at least 50 feet from individual water supply wells, 100 feet from community or municipal water supply wells, and 50 feet from any septic system component. It shall not be located near hotspots (see definition above).
- Locate the infiltration trench a minimum of ten (10) feet from any building foundation to avoid foundation seepage problems. Infiltration trenches are not recommended if their installation would create a risk for basement flooding.
- Protect infiltration areas from compaction during and after construction.
- The ratio of the collected area to the footprint of the infiltration trench should be as small as possible with a ratio of less than 5:1 preferred.
- Roof downspouts may be connected to infiltration trenches but shall contain a cleanout to collect sediment and debris before entering the infiltration area.
- Infiltration testing is recommended to ensure that the soil is capable of infiltrating stormwater. A description of how an infiltration test is performed is found in Appendix C of the PA BMP Manual.
- It is recommended that there be a 2 foot clearance between the bottom of the aggregate and the regularly occurring seasonal high water table and bedrock.

Typical Infiltration Trench



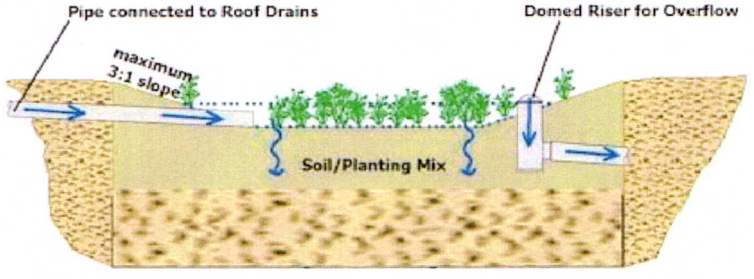
Source: Pennsylvania Stormwater BMP Manual (2006)

Rain Garden

A rain garden is an excavated depression area on the surface of the land in which native vegetation is planted to filter and use stormwater runoff. Runoff ponds on top of the surface of the rain garden and then infiltrates into an enhanced soil below the surface where plants can use the water to grow. Rain gardens also improve water quality, vegetation filters the water, and the root systems encourage or promote infiltration. A typical rain garden is shown below. Key elements of a rain garden shall include:

- Ponding depths of 1 foot or less recommended but no greater than 2.5 feet.
- Plant with native vegetation that can tolerate dry and wet weather.
- Provide a positive overflow that allows stormwater that cannot be stored or infiltrated to be discharged into a nearby vegetated area and would not cause harm to property; or
- Provide an overflow such as a domed riser to allow excess flow from large storms to travel to other substantial infiltration areas or pervious areas and would not cause harm to property.
- Provide maximum 3:1 side slopes.
- Provide a soil/planting mix depth between 2 feet and 6 feet deep.

Typical Rain Garden/Bioretention Area



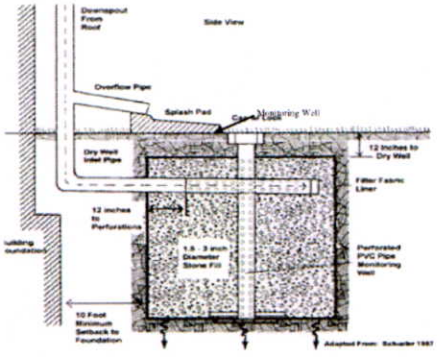
Source: Pennsylvania Stormwater BMP Manual (2006)

Dry Wells

A dry well, also referred to as a seepage pit, is a subsurface storage facility that temporarily stores and infiltrates runoff from the roofs of buildings or other impervious surfaces. A dry well can be either an excavated pit filled with stone fill (Dry Well #1) or a structural prefabricated chamber with no stone bed (Dry Well #2). Dry wells discharge the stored runoff via infiltration into the surrounding or underlying soils. A typical dry well configuration with stone fill and a typical prefabricated dry well are shown below. The following elements shall be incorporated into all dry well designs:

- Locate the dry well a minimum of ten (10) feet from any building foundation to avoid foundation seepage problems. Dry wells are not recommended if their installation would create a risk for basement flooding.
- Construct a dry well after surface soils in all other areas of the site are stabilized to avoid clogging.
- Protect infiltration areas from compaction during and after construction.
- Provide a depth range of 1.5 to 4 feet.
- Provide AASHTO #3 gradation stone fill wrapped in a non-woven geotextile (see definition above) on the top, sides, and bottom.
- Place at least 1 foot of soil over the top of a dry well.
- Provide an overflow pipe to allow excess flow from large storms to travel to other substantial infiltration areas or pervious areas and would not cause harm to property.
- Provide at least one monitoring well for each dry well.
- Infiltration testing is recommended to ensure that the soil is capable of infiltrating stormwater. A description of how an infiltration test is performed is found in Appendix C of the PA BMP Manual.
- It is recommended that there be a 2 foot clearance between the bottom of the aggregate and the regularly occurring seasonal high water table and bedrock.

Typical Dry Well Configuration filled with Stone Fill (DRY WELL #1) (Left) and Structural Prefabricated Chamber with no Stone Fill (DRY WELL #2) (Right)



Source (for picture on left): http://www.seagrant.sunysb.edu/pages/BMPsForMarinas.htm
Source (for picture on right): http://www.copelandconcreteinc.net/1800652.html

Tree Planting

Trees reduce stormwater runoff by capturing and storing rainfall in the canopy and releasing water into the atmosphere through evapotranspiration. Tree roots and leaf litter also create soil conditions that promote the infiltration of rainwater into the soil. In addition, trees reduce pollutants by taking up nutrients and other pollutants from soils and water through their root systems. A site can reduce runoff volume by planting new trees.

To receive credit for planting trees to address stormwater management for a small project, the following criteria must be met:

- Plant 2 deciduous trees or 1 evergreen tree to address between 0 and 500 square feet.
- Plant 4 deciduous trees, 2 evergreen trees, or 2 deciduous trees and 1 evergreen tree to address between 501 and 1,000 square feet on impervious surface.
- Trees must be native species; non-native species will not count towards addressing the stormwater management requirement. See https://elibrary.dcnr.pa.gov/GetDocument?docId=1742582&DocName=sf-Native_Plants_Landscaping-brochure.pdf for some examples of native plants.
- Tree shall be a minimum 2 inches caliper for deciduous trees and minimum 6 feet high for evergreen trees at the time of planting.

- Trees shall be located on the project site and adequately protected during construction.
- Trees to be credited for stormwater management shall be clearly labeled on the Site Plan.
- Trees shall be maintained and protected for a minimum of 50 years or until redevelopment occurs. Dead trees shall be replaced within 6 months.
- Previously installed trees, shrubs, perennials, grasses, etc. will not count towards addressing the stormwater management requirement.

Determining Volume Requirements for BMPs

All proposed new and reconstructed impervious areas must be included when calculating the volume requirements for proposed BMPs needed to control stormwater. Proposed impervious areas must be constructed so that runoff is conveyed to a BMP; no runoff can be directed to storm sewers, inlets, or other impervious areas (e.g. street).

Listed below are the steps to be used in order to meet the Borough's Stormwater Management Ordinance requirements for projects following the simplified approach. Begin with Step 1, and then follow the other steps for each BMP to be used in the stormwater plan. The results obtained for each step should be included in the Simplified Method Worksheet (included) and shown on the Site Plan (example included). Tree planting will be credited as a subtraction of the impervious surface area as noted above, based on the number and type of planted trees; no partial crediting for planting fewer than the indicated number of trees will be considered.

STEP 1 – Establish the total area of all proposed impervious surfaces that need to drain to one or more BMPs. Determine locations where BMPs should be placed so that runoff from all of the proposed impervious surfaces can be captured. Any arrangement of BMPs is allowed, as long as all impervious surfaces are infiltrated. It is permissible to install a BMP that collects water draining from an adjacent site, other than the site where the new or reconstructed impervious cover is located, so long as the same amount of area is infiltrated and would not cause harm to property.

Example: Joe Homeowner wants to build a 600 square foot addition to his home and increase his driveway by 350 square feet to reach the new addition. Because the total amount of impervious cover is less than 1,000 square feet, he is able to use the simplified method. He decides to infiltrate the front of the addition to a dry well, the rear to a rain garden, and the driveway to an infiltration trench.

Addition (Front) (10 ft. x 20 ft.)	200 square ft.	BMP 1	Dry Well #2
Addition (Rear) (20 ft. x 20 ft.)	400 square ft.	BMP 2	Rain Garden
Driveway (35 ft. x 10 ft.)	350 square ft.	BMP 3	Infiltration Trench
Total Proposed Impervious Surface	**950 square ft.**		

Next, calculate the required storage volume and surface area needed for each of the proposed BMPs from the appropriate heading below. Results shall be included on the Simplified Method Worksheet.

For Rain Garden or Dry Well #2 (prefabricated, no stone fill)

STEP 2 – Determine Amount of Water to be Infiltrated (Infiltration Volume)

Example: Joe Homeowner is infiltrating 400 square feet from the rear of his addition to a rain garden.

$$\frac{1.0 \text{ inches} \times 400 \text{ square feet}}{12} = 33 \text{ cubic feet} = \text{infiltration volume}$$

STEP 3 – Size the Rain Garden or Dry Well #2

Infiltration volume = Depth (D) x Width (W) x Length (L)

Example: Joe would like the rain garden to occupy an area 4 feet wide and 6 feet long. To determine how deep the base (soil/planting mix) of the rain garden needs to be, Joe does the following calculation:

33 cubic feet = D x 4 feet (W) x 6 feet (L)
D = 1.375 feet

Example: Joe Homeowner decided to round up the depth to 2 feet.

STEP 4 - Fill in the "Rain Garden or Dry Well #2" section of the Simplified Method Worksheet and include it on the Simplified Site Plan.

For Infiltration Trench or Dry Well # 1(excavated pit filled with stone)

STEP 2 – Determine Amount of Water to be Infiltrated (Infiltration Volume)

Example: Joe Homeowner is infiltrating 350 square feet from his driveway addition.

$\frac{1.0 \text{ inches x } 350 \text{ square feet}}{12} = 29$ cubic feet

$\frac{29 \text{ cubic feet}}{0.4^*} = 73$ cubic feet = infiltration volume

(* 0.4 is to account for 40% void ratio in stone fill used in the trench or dry well)

STEP 3 – Size the Infiltration Trench

Infiltration volume = Depth (D) x Width (W) x Length (L)

Example: Joe would like to place the infiltration trench along the edge of his driveway but doesn't know how long it has to be. He figures he'll dig down about 2 feet, and he knows the minimum width required for the trench is 3 feet. To determine the length of the trench, Joe does the following calculation:

73 cubic feet = 2 feet (D) x 3 feet (W) x (L)
Length = 12 feet

Final trench dimensions = 2 feet (D) x 3 feet (W) x 12 feet (L)

STEP 4 - Fill in the "Infiltration Trench or Dry Well #1" section of the Simplified Method Worksheet and include it on the Simplified Site Plan.

Completing the Simplified Site Plan

Sketch a Simplified Site Plan such as the sample shown in Figure 1. The Simplified Site Plan should include:

- Name and address of the owner of the property, and or name and address of the individual preparing the plan, along with the date of submission.
- Location of proposed structures, driveways, or other impervious areas with approximate size in square feet.

- Location, orientation, and dimensions of all existing and proposed BMPs, roof drains, and sump pumps. For all constructed BMPs, the length, width, and depth must be included on the plan. For tree planting, the type and size of tree at the time of planting must be included on the plan.

- Location of any existing waterbodies, such as streams, lakes, ponds, wetlands, or other waters of the Commonwealth, within fifty (50) feet of the project site and the distance to the project site and/or BMPs. The BMPs must be located at least than fifty (50) feet away from a waterbody. If an existing buffer is legally prescribed (e.g. deed, covenant, easement, etc.) and it exceeds the requirements of this Ordinance, the existing buffer shall be maintained.

- Location of existing and proposed utilities, including service laterals.

- Arrows indicating the existing and proposed general drainage patterns on the site.

Post-Installation Operation and Maintenance Requirements

It is the property owner's responsibility to properly maintain BMPs in accordance with the following maintenance requirements. It is also the property owner's responsibility to inform any future buyers of the function, operation, and maintenance needed for any BMPs on the property prior to the purchase of the property.

Infiltration Trench

- Maintain vegetation along the surface of an infiltration trench in good condition and revegetate any bare spots as soon as possible.
- Do not park or drive vehicles on an infiltration trench. Take care to avoid excessive compaction by mowers.
- Routinely remove any debris, such as leaves, blocking flow from reaching an infiltration trench.

Rain Garden

- Perform routine pruning and weeding of a rain garden.
- Re-spread mulch in a rain garden when erosion is evident. Once every two to three years or after major storms, the entire area may require mulch replacement.
- Routinely water the rain garden as necessary to support plant growth. Additional watering may be required during periods of extended drought.
- Routinely remove any debris, such as leaves, blocking flow from reaching a rain garden.
- At least twice a year and after major storms, inspect the rain garden for sediment build-up and vegetative conditions.
- Inspect trees and shrubs in a rain garden at least twice per year to evaluate their health. Replace any plantings that are in poor health within 6 months.

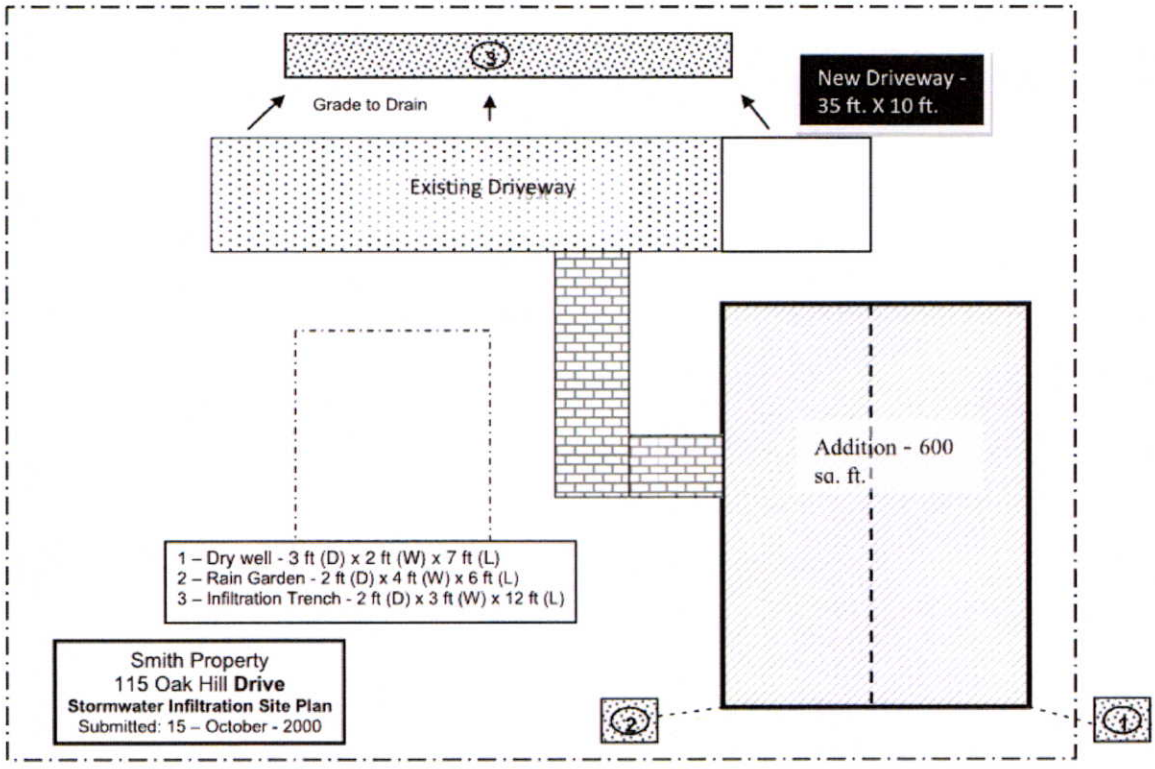
Dry Wells

- At least four times a year and after major storms, inspect the dry well for debris/trash, sediment, and any other waste material that needs to be removed. Dispose of any removed materials at suitable disposal/recycling sites and in compliance with local, state, and federal waste regulations.
- Routinely clean out gutters, maintain proper connections, and replace any filter screen that intercepts roof runoff before reaching the dry well to facilitate the effectiveness of the dry well.

Tree Planting

- Maintain and protect trees for a minimum of 50 years or until redevelopment occurs. Replace any dead trees within 6 months.
- Water, mulch, fertilize, and prune planted trees as appropriate for the planted species.

SAMPLE SITE PLAN



Simplified Method Worksheet

STEP 1

Proposed Impervious Surface for BMP #1	Proposed Impervious Surface for BMP #2	Proposed Impervious Surface for BMP #3

STEP 2

Rain Garden or Dry Well #2

Proposed Impervious Surface	Volume of BMP	Area of BMP	Depth of BMP	Types of Material to Be Used

Infiltration Trench or Dry Well #1

Proposed Impervious Surface	Volume of BMP	Area of BMP	Depth of BMP	Types of Material to Be Used

Tree Planting

Proposed Impervious Surface	Number of Deciduous Trees to be Planted	Deciduous Tree Species	Number of Evergreen Trees to be Planted	Evergreen Tree Species

* For additional BMPs, please use additional sheets

Simplified Method Worksheet (filled in from example)

STEP 1

Proposed Impervious Surface for BMP #1	Proposed Impervious Surface for BMP #2	Proposed Impervious Surface for BMP #3
200 sq. ft	400 sq. ft.	350 sq. ft.

STEP 2

Rain Garden or Dry Well #2

Proposed Impervious Surface	Volume of BMP	Area of BMP	Depth of BMP	Types of Material to Be Used
200 square feet	17 cubic feet	2 ft. x 7 ft.	3 ft.	AASHTO #3 stone, perforated HDPE 8" pipe, non-woven geotextile, grass on top
400 square feet	33 cubic feet	4 ft. x 6 ft.	2 ft.	Soil/planting mix full depth, native vegetation

Infiltration Trench or Dry Well #1

Proposed Impervious Surface	Volume of BMP	Area of BMP	Depth of BMP	Types of Material to Be Used
350 square feet	73 cubic feet	3 ft. x 12 ft.	2 ft.	AASHTO #3 stone, perforated HDPE 8" pipe, non-woven geotextile, grass on top

Tree Planting

Proposed Impervious Surface	Number of Deciduous Trees to be Planted	Deciduous Tree Species	Number of Evergreen Trees to be Planted	Evergreen Tree Species

* For additional BMPs, please use additional sheets

BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA

ORDINANCE NO. 11-2022

AN ORDINANCE OF THE BOROUGH OF CONSHOHOCKEN, MONTGOMERY COUNTY, COMMONWEALTH OF PENNSYLVANIA, AMENDING THE CODE OF ORDINANCES OF THE BOROUGH OF CONSHOHOCKEN, CHAPTER 22 *SUBDIVISION AND LAND DEVELOPMENT,* PART 4 *DESIGN STANDARDS*, BY REPEALING SECTION 410 *DRAINAGE* IN ITS ENTIRETY AND REPLACING IT WITH A NEW SET OF PROVISIONS; REPEALING PRIOR INCONSISTENT ORDINANCES OR PARTS OF ORDINANCES; PROVIDING A SEVERABILITY CLAUSE; AND SETTING AN EFFECTIVE DATE.

WHEREAS, the Borough Council of the Borough of Conshohocken is duly empowered by the Borough Code to enact certain regulations relating to the public health, safety and welfare of the citizens of the community of the Borough of Conshohocken; and

WHEREAS, the Pennsylvania Municipalities Planning Code, 53 P.S. § 10101, *et seq.* grants authority to Borough Council to regulate subdivision and land development within the Borough of Conshohocken, 53 P.S. § 10501;

WHEREAS, Borough Council has adopted a subdivision and land development ordinance and codified same at Chapter 22 *Subdivision and Land Development* of the Borough's Code of Ordinances;

WHEREAS, Borough Council is authorized to amend the Borough's Subdivision and Land Development Ordinance through enactment of an ordinance amendment, 53 P.S. § 10505;

WHEREAS, concurrently herewith, Borough Council is amending Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances in order to effectuate amendments thereto for the purposes set forth therein, including specifically to ensure that the Borough's stormwater management regulations are consistent with the Pennsylvania Department of Environmental Protection's Model Ordinance pursuant to the Borough's Small Municipal Separate Storm Sewer System (MS4) Permit, and desires to amend the Subdivision and Land Development Ordinance to be consistent with such amendment, with the advice of the Borough Engineer;

WHEREAS, Borough Council has determined that it is in the best interests of the citizens of Conshohocken Borough, and those doing business in the Borough, to amend the Borough's Subdivision and Land Development Ordinance as set forth herein.

NOW THEREFORE, be it **ORDAINED AND ENACTED** by the Borough Council of the Borough of Conshohocken as follows:

SECTION 1.

Chapter 22 *Subdivision and Land Development* of the Borough's Code of Ordinances is hereby amended by repealing the current provisions of Section 410 *Drainage* in its entirety and replacing it with the following provisions:

§22-410 Drainage.

The applicant shall provide stormwater management in accordance with the *Borough of Conshohocken Stormwater Management Ordinance*, codified at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances, and as follows:

1. Purpose.

   A. The objective of stormwater management is to prevent or mitigate the adverse impacts related to the conveyance of excessive rates and volumes of stormwater runoff. Further, the objectives of stormwater management propose to maintain, as nearly as possible, natural runoff flow characteristics, either by augmenting the infiltration process or by temporarily storing stormwater for release at controlled rates of discharge and/or intercepting runoff to reduce accelerated erosion and sedimentation.

   B. Applicants shall construct and/or install stormwater management facilities, on site and off site, as necessary to meet the stormwater management design and criteria provided by these and other Borough of Conshohocken requirements and to:

      (i) Permit unimpeded flow of natural watercourses.

      (ii) Ensure adequate drainage of all low points along the lines of streets.

      (iii) Intercept stormwater runoff along streets at intervals related to the extent and grade of the area drained.

      (iv) Provide positive drainage away from on-site sewage disposal and structures.

(v) Remove surface water from the bottom of vertical grades, lead water from springs, and avoid excessive use of cross-gutters at street intersections and elsewhere.

(vi) Ensure that the peak volume and rate of discharge from the development site is no greater than prior to development.

(vii) Prevent erosion damage by controlling the rate and velocity of runoff discharge to watercourses, avoid increasing the occurrence of streambank overflow, and satisfactorily carry off, detain or retain, and control the rate of release of stormwater.

(viii) Preserve bridges, culverts, and similar structures by suppressing the new peak discharges created by new alteration or development of land.

2. Applicability.

A. All regulated activities and all activities that may affect stormwater runoff are subject to regulation by this Section and the requirements of the *Borough of Conshohocken Stormwater Management Ordinance,* codified at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances, which is included in these regulations by reference. Activities subject to these regulations include:

(i) Land development.

(ii) Subdivision.

(iii) All sites of 0.5 acres or more.

(iv) Agricultural operations.

(v) Construction of new or additional impervious surfaces.

(vi) Construction of new buildings or additions to existing buildings.

(vii) Nursery operations.

(viii) Redevelopment.

(ix) Diversion or piping of any natural or man-made stream channel.

(x) Installation of stormwater systems or appurtenances thereto.

(xi) Alteration of the natural hydrologic regime.

(xii) Nonstructural and structural stormwater management best management practices (BMPs) or appurtenances thereto.

B. Stormwater management design and criteria such as stormwater runoff peak volume and rate requirements, runoff calculation methodology, stormwater management plan requirements, operations and maintenance requirements, storm sewer system design, stormwater BMP design, etc., shall be as described in this Section and the *Borough of Conshohocken Stormwater Management Ordinance*, codified at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances.

C. The standards contained in this section shall apply as minimum design standards; however, federal, state, and other Borough of Conshohocken regulations may impose additional standards subject to their jurisdiction. The more stringent requirements of this section, federal, state, and other Borough of Conshohocken regulations shall apply to any activity which requires compliance. Permits and approvals issued pursuant to this Section do not relieve the applicant of the responsibility to secure required permits or approvals for activities regulated by any other applicable code, rule, act or ordinance. Additional studies and higher levels of control than the minimum provided in these and other requirements may be required by Borough Council to ensure adequate protection to life and property.

D. Earth disturbance activities and associated stormwater management controls are also regulated under existing state law and implementing regulations. This section shall operate in conjunction with those parallel requirements; the requirements of this section shall be no less restrictive in meeting the purposes of this section than state law.

E. No associated construction activities within the Borough of Conshohocken shall commence until the requirements of this Section and all other applicable stormwater management criteria are met.

F. All best management practices (BMPs) used to meet the requirements of federal, state, and Borough of Conshohocken regulations shall conform to the state water quality requirements and any more stringent requirements as set forth by the Borough.

G. Retention of existing watercourses and natural drainage features.

(i) If an applicant concentrates dispersed stormwater flow or redirects stormwater flow to exit at another location on the property, the applicant is responsible for constructing an adequate stormwater conveyance system on the adjacent property and on all downstream properties until a natural outfall is reached. The natural outfall shall have sufficient capacity to receive the stormwater without deterioration of the facility and without adversely impacting property in the watershed. This natural outfall may be a river, creek or other drainage facility so designated by the Borough of Conshohocken for the proposed system.

(ii) Whenever a watercourse, stream or intermittent stream is located within a site, it shall remain open in its natural state and location and shall not be piped.

(iii) No stormwater runoff or natural drainage shall be so diverted as to overload existing drainage systems (including existing stormwater management facilities) or create flooding.

(iv) Borough Council may require an applicant to provide a permanent easement along any watercourse located within or along the boundary of any property subject to the regulations of this Section. The purpose of any such easement shall be for the maintenance of the channel of any watercourse; and the terms of the easement shall prohibit excavation, the placing of fill or structures and any alterations which may adversely affect the watercourse. The applicant will retain the easement until such time as one of the following is accomplished:

(a) The easement is offered for dedication by the applicant and accepted by the Borough of Conshohocken.

(b) If an easement acceptable to the Borough is established, the maintenance shall then be the responsibility of the individual lot owners over whose property the easement passes. For land developments, the maintenance shall then be the responsibility of the owner.

(c) A homeowners' association or other approved legal entity, approved by the Borough of Conshohocken, assumes responsibility for the maintenance of the development, including the retention of the watercourse easement.

3. Site Drainage Plan requirements. The following site drainage plan materials shall be submitted to the municipality in a format that is clear, concise, legible, neat and well organized; otherwise, the site drainage plan shall not be accepted for review and shall be returned to the applicant:

A. General

(i) Provide a narrative including a description of the project, erosion and sedimentation control, stormwater control for both during and after construction, operation and maintenance requirements for each facility with the

responsible party, and expected project schedules.

(ii) If the subdivision or land development is to be developed in stages, provide a general drainage plan for the entire subdivision or land development with the first stage, and appropriate development stages for the drainage system shall be indicated, in accordance with Pennsylvania Department of Environmental Protection's Rules and Regulations, Title 25, Chapter 102, as last revised.

(iii) Proof of required permits or approvals under applicable state or federal regulations, including but not limited to PennDOT, Montgomery County Conservation District, PADEP NPDES permit for stormwater discharges from construction activities, and other PADEP permits.

B. Plans and Calculations

(i) Plan requirements from Sections §22-304 and §19-401.

(ii) Tax parcel number.

(iii) Total acreage of the parcel(s) and area to be disturbed.

(iv) Existing and proposed two foot contours, based on established elevations or the U.S.G.S. datum, and all bodies of water, physical features, underground utilities, proposed changes to land surface and vegetative cover, areas to be cut and filled, and as required by subdivision and land development regulations.

(v) Pre- and post-development mapping of all drainage areas (for each point of interest, inlet, roof drain, etc.), watershed areas, and floodplains in which the project is located.

(vi) Complete hydrologic and hydraulic computations for all storm sewer and stormwater management techniques, facilities, and BMPs.

(vii) Complete drainage systems, including storage facilities where required and identification of all existing drainage features which are to be incorporated in the design.

(viii) Identification and delineation of all soil classifications with the site, based on the Official Soil Survey provided by the U.S. Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/) or a signed and sealed report from a qualified professional licensed in the Commonwealth of Pennsylvania.

(ix) Identification of all infiltration test and soil boring locations.

(x) Stormwater management facilities and BMPs, and appurtenances with related details, calculations, assumptions, criteria used in design.

(xi) Existing and proposed rights-of-way and easements, including provisions for permanent access or maintenance easements for all physical SWM BMPs as necessary to implement the Operation and Maintenance (O&M) requirements.

4. Storm sewer system design. Storm sewer systems shall be required to be constructed by the applicant in any area from which the surface or subsurface drainage could impair public safety or cause physical damage to adjacent lands or public property. The system shall be designed to collect water at the bottom of all vertical grades, immediately upgrade of all street intersections, and other areas where excessive flow may occur. The system shall lead water from springs and avoid excessive use of cross-gutters at street intersections and elsewhere.

A. All storm sewer system design shall be based on gravity flow using the rational formula:

Q=CiA, where:

Q = Discharge/Rate of flow in cubic feet per second.
C = Runoff coefficient.
I = Intensity of rainfall in inches per hour.
A = Watershed area in acres.

(i) Runoff coefficients (C) for both existing and proposed conditions for use in the Rational Method shall be consistent with Table 1 in Appendix A of the *Borough of Conshohocken Stormwater Management Ordinance*, codified at Chapter 19 *Stormwater Management* at the Borough's Code of Ordinances.

(ii) The intensity of the storm shall be based on the one-hundred-year frequency storm with the inlet time of concentration equal to the storm duration for any given point. The elevation of the hydraulic gradient at any point in the storm sewer system shall be below the surface of the ground during the one-hundred-year storm event.

(iii) The rainfall data shall be obtained from the latest version of the National Oceanic and Atmospheric Administration (NOAA) Atlas 14, rain data corresponding to the Conshohocken station for the precipitation intensity using the upper bound of the ninety-percent confidence interval for the various return period storms. If a hydrologic computer model is used for stormwater runoff calculations, then the duration of rainfall shall be 24 hours. This data may also be directly retrieved from the NOAA Atlas 14 website:
http://hdsc.nws.noaa.gov/hdsc/pfds/orb/pa_pfds.html

(iv) A minimum five minute time of concentration shall be used. Where supported by the drainage area and related plans and calculations, longer times of concentration for channel and pipe flow

may be computed using Manning's equation and utilizing roughness coefficients consistent with Table 2 in Appendix A of the *Borough of Conshohocken Stormwater Management Ordinance*, codified at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances.

B. Storm sewer pipe

(i) The minimum slope of any pipe shall be 0.5 percent.

(ii) The minimum allowable pipe size is 18 inches. Where pipe cover is restricted, equivalent elliptical pipe may be used in lieu of circular pipe.

(iii) All storm sewer pipes shall be reinforced concrete pipe, smooth lined high-density polyethylene, or other pipe material as may be approved by the Borough Engineer.

(iv) Storm sewer pipes shall have a minimum cover of 24 inches. Greater cover shall be provided where recommended by the pipe manufacturer.

(v) Backflow preventers shall be provided where necessary to prevent backwater from a watercourse from flowing into the storm sewer system.

C. Inlets and manholes.

(i) Inlets, manholes, and related tops, covers, grates, and frames shall conform to Pennsylvania Department of Transportation specifications. The type to be used shall depend on the particular application.

(ii) Sufficient inlets shall be located and constructed so as to collect all of the flow in the contributory drainage area. Spread of runoff in gutters shall not exceed eight feet in width or 1/2 of the travel lane, whichever is lesser, during a ten-year

storm event. Calculations of inlet capacities shall be in accordance with Pennsylvania Department of Transportation guidelines.

(iii) The gutter of all inlets shall be set not less than two inches, nor more than four inches, below the gutter grade. The surface of the paving adjacent to the inlets shall be constructed to blend into the lowered gutter grade at the inlet in such a manner that sudden drop-off or dip at the inlet will not be created.

(iv) Where surface water is collected from two directions at one street corner, inlets shall be placed at or near the tangent points of both ends of the radius. The use of an inlet in the radius shall not be allowed.

(v) Abrupt changes in direction or slope of storm sewer pipe shall be avoided. An inlet or manhole shall be provided at all points where there is a horizontal deflection, change in grade, transition in pipe size, and convergence of two or more influent pipes.

(vi) The spacing of inlets and manholes shall not exceed a maximum distance of 400 feet along any one continuous line. Inlets shall be provided in lieu of manholes where they will serve a useful purpose.

D. Drainage channels and swales.

(i) The design standards for drainage channels and swales shall follow the PADEP Erosion and Sediment Pollution Control Manual, latest edition (PA E&S Manual) as a minimum guide.

(ii) All drainage channels and swales shall be design to carry the peak flow from the one-hundred-year design storm with a minimum six inches of freeboard.

(iii) All drainage channels and swales shall be designed to prevent erosion of the channel bed and bank areas and provide suitable

stabilization to prevent erosion. The maximum permissible flow velocity shall not exceed those outlined in Table 6.4 Maximum Permissible Velocities (ft/sec) of Channels Lined with Vegetation and its additional notes of the PA E&S Manual.

(iv) Design shall be based on the Manning equation and utilize roughness coefficients consistent with Table 2 in Appendix A of the *Borough of Conshohocken Stormwater Management Ordinance,* codified at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances.

(v) Drainage channels and swales shall be designed to conform, wherever possible, to the adjacent average ground conditions. This means that the channel or swale should not be projecting excessively above the surrounding ground or placed excessively below the surrounding ground.

(vi) Drainage channels and swales shall have a maximum side slope of three horizontal to one vertical and shall have adequate slope protection as required by the Borough Engineer.

(vii) No open watercourses shall be permitted within the rights-of-way of any street or alley.

E. Endwalls. Endwalls conforming to Pennsylvania Department of Transportation specifications shall be installed on all influent and effluent pipes.

F. Bridges and culverts. Single opening culverts are desirable. The design of all bridges and culverts shall be such as to minimize the probability of debris accumulation. Bridges and culverts shall be designed to meet current Pennsylvania Department of Transportation standards to support expected loads and carry the peak flow from a one-hundred-year design storm. They shall be constructed for the full width of the right-of-way.

G. Roof drains and sump pumps.

(i) Roof drains and sump pumps shall discharge to a stormwater BMP wherever feasible. Where it is more advantageous to connect to streets or sewers, connections may be permitted on a case-by-case basis as determined by the Borough.

(ii) Roof drain and sump pump pipes shall not discharge water over a sidewalk but shall extend under the sidewalk to the gutter.

(iii) A solid lid cleanout shall be provided for all roof drains and sump pumps, located within the lot between the contributing building or structure and the right-of-way.

5 Stormwater BMP design. Whenever an increase in runoff volume and/or rate would occur as the result of regulated activities, the applicant will be required to provide permanent stormwater management BMPs to attain zero increase in runoff and address the requirements of this Section, the *Borough of Conshohocken Stormwater Management Ordinance*, codified at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances, and any other requirements of the Borough of Conshohocken, except as may otherwise be exempted.

A. Storage requirements.

(i) The storage requirements of all stormwater BMPs shall be computed in accordance with the requirements of the *Borough of Conshohocken Stormwater Management Ordinance*, codified at Chapter 19 *Stormwater Management* of the Borough's Code of Ordinances, and must be submitted to the Borough Engineer for review and, when required, to the Montgomery County Conservation District, Pennsylvania Department of Environmental Protection, the Pennsylvania Department of Transportation, and/or other agencies.

(ii) The volume of storage provided shall be no less than the total additional volume of runoff due to regulated activities based on a one-hundred-

year frequency twenty-four-hour duration storm. Except in the case where 1,000 square feet or less of impervious area is being added to the site, an additional storage allowance of 218 cubic feet must be provided to compensate for sediment accumulation.

(iii) In addition to the permanent storage facilities, the applicant must provide adequate erosion and sedimentation control measures in accordance with the Pennsylvania Clean Stream Act, and Pennsylvania Department of Environmental Protection Rules and Regulations, Title 25, Chapter 102, as last revised.

(iv) The design of any stormwater storage facility shall be verified by routing the design storm hydrographs using the Storage-Indication Method. A storage versus elevation versus discharge curve shall be included, along with a routing of the post-development one-hundred-year storm.

(v) The maximum one-hundred-year water surface elevation associated with each BMP shall be calculated and shown to be contained within the provided storage volume of the BMP.

(vi) All aboveground storage areas must be located outside of the one-hundred-year floodplain. All underground storage areas must be located a minimum of 24 inches above the groundwater and seasonal high water table elevations.

(vii) All stormwater BMPs shall be designed with an overflow or spillway which safely permits the passing of runoff greater than that occurring during the post-development one-hundred-year design storm in a non-erosive manner. The overflow or spillway shall be set above the maximum proposed ponding depth for the one-hundred-year storm.

(viii) All stormwater BMPs shall be designed to completely dewater the stored water volume

within 72 hours from the end of the design storm, with the exception that an underground Managed Release Concept BMP shall dewater within 7 days from the end of the design storm and other longer dewatering times as permitted by the "Pennsylvania Stormwater Best Management Practices Manual," December 2006, as amended (PA BMP Manual) for non-open air BMPs.

B. BMPs which may be used to meet the applicable standards are described in this Section and the Volume Peak Rate Reduction by Infiltration BMPs, Volume Peak Rate Reduction BMPs, and the Non-Structural BMP credits sections from the PA BMP Manual. Any selected BMP must meet or exceed these standards and shall incorporate sound and accepted engineering principles and practices.

(i) No more than 25 percent of volume reduction may be met through non-structural BMP credits. In order to permit utilization of the volume reduction credit, a completed copy of the related checklist from the PA BMP Manual must be provided to demonstrate that the selected non-structural BMP is applicable to the project.

(ii) An impermeable liner is required where the possibility of groundwater contamination exists. A detailed hydrogeologic investigation may be required.

C. Design criteria for infiltration BMPs. Infiltration BMPs shall be designed in accordance with the design criteria and specifications in the PA BMP Manual and shall meet the following the minimum requirements:

(i) A detailed infiltration testing and soils evaluation of the project site shall be performed by the applicant to determine and support the suitability of all infiltration BMPs. The evaluation shall meet the following requirements:

(a) The evaluation shall be performed by a qualified professional and, at a minimum, address soil permeability, hydrologic soil

groups, depth to limiting zones, karst/susceptibility to sinkhole formation, subgrade stability, and natural and man-made features within the site to determine general areas of suitability for infiltration practices.

(b) Provide field tests, such as double-ring infiltrometer or hydraulic conductivity tests, at the level of the proposed infiltration surface (bottom surface of the infiltration facility) to determine the appropriate hydraulic conductivity rate. Percolation tests will not be accepted for infiltration BMP design purposes.

(c) A minimum depth of 24 inches shall be provided between the bottom of an infiltration BMP and the top of bedrock, seasonal high water table, groundwater, or other limiting zone.

(d) An infiltration rate sufficient to accept the additional stormwater load and dewater completely as determined by field tests. A minimum infiltration rate of 0.2 inches/hour is required and then a minimum safety factor of 2 should be applied for design purposes (e.g., for soil which measured 0.4 inch/hour, the BMP design should use 0.2 inch/hour). Greater safety factors may be required by the Borough Engineer based on the site conditions.

(e) Design the infiltration structure based on field-determined capacity at the level of the proposed infiltration surface and based on the applied safety factor.

(ii) The maximum side slopes of an aboveground infiltration BMP shall be three horizontal to one vertical. Every effort should be made to blend aboveground storage areas into the natural topography of its surroundings.

(iii) Infiltration BMPs shall have a bottom slope of no greater than 1% but shall preferably have a level bottom.

(iv) The infiltration system shall have positive overflow controls to prevent storage within one foot of the finished surface elevation above the facility.

(v) Surface inflows shall be designed to prevent direct discharge of sediment into the infiltration system.

(vi) A minimum of 10 feet of undisturbed fill or compacted impermeable material shall separate the foundation wall of any building and an infiltration BMP.

(vii) A minimum of 50 feet of undisturbed fill or compacted impermeable material shall separate water supply wells and an infiltration BMP.

(viii) A minimum of 50 feet shall separate a septic system disposal area and an infiltration BMP unless specific circumstances allow for a reduced separation distance.

D. Design criteria for underground BMPs. Underground BMPs shall be designed in accordance with the design criteria and specifications in the PA BMP Manual and shall meet the following the minimum requirements:

(i) Underground BMPs shall have a bottom slope of no greater than 1% but shall preferably have a level bottom.

(ii) At a minimum, the top and sides of the underground BMP shall be wrapped in a non-woven geotextile which provides separation between the storage volume and the surrounding materials. Providing non-woven geotextile on the bottom of the underground BMP is optional and shall be determined by a qualified professional based on site conditions. Where required due to the possibility of

groundwater contamination, an impermeable liner will be accepted in place of the non-woven geotextile.

(iii) A minimum of one foot of cover shall be provided, measured from the top of the system to the finished surface elevation.

(iv) Storage within the aggregate, soil, or other material above and surrounding the underground BMP shall not be considered in the calculation of the underground BMP storage volume.

(v) Maintenance access to permit long-term operation and maintenance shall be incorporated into the design.

(vi) Where an underdrain is provided, a separate maintenance cleanout and minimum 6 inch deep stone envelope wrapped in geotextile shall be provided.

E. Design criteria for bioretention BMPs. Bioretention BMPs, including rain gardens, shall be designed in accordance with the design criteria and specifications in the PA BMP Manual and shall meet the following the minimum requirements:

(i) All concentrated discharges directed to a bioretention facility shall be conveyed through a pretreatment filter strip. The filter strip shall be designed to reduce the incoming velocities and to filter out coarser sediment particles. Examples of pretreatment filter strips include sand or gravel diaphragms, grass swales, sand filters, stone check dams, etc.

(ii) All bioretention facilities shall incorporate a mix of trees, shrubs, and/or herbaceous plants. Plant species shall be native and selected based on the ability to tolerate stresses such as pollutants, variable soil moisture, and ponding fluctuations.

(iii) A minimum planting soil bed depth of two feet

for herbaceous plants and three feet for trees and shrubs shall be provided. Planting soil shall be capable of supporting healthy vegetative cover.

(iv) All bioretention facilities shall incorporate an organic mulch layer. The organic mulch layer shall be standard landscape style, single or double, shredded hardwood mulch or chips. The mulch layer shall be well-aged, uniform in color, and free of other materials such as weed seed, soil roots, etc. The mulch layer shall be applied to maximum depth of three inches. Grass clippings shall not be used as mulch material.

(v) The maximum side slopes of bioretention BMPs shall be three horizontal to one vertical.

(vi) A minimum grade of 2% shall be maintained for areas of sheet flow. For channel flow, a minimum grade of 1% shall be maintained. For bioretention facilities relying on infiltration for drainage, rather than sheet or channel flow, a level bottom is permitted.

(vii) Bioretention facilities with an aboveground ponding depth greater than 2.5 feet during any post-development design storm, or as directed by the Borough Engineer based on the storage volume, shall be designed in accordance with the requirements of §22-410.5.F.

F. Design criteria for aboveground basins. Aboveground basin BMPs shall be designed in accordance with the design criteria and specifications in the PA BMP Manual and shall meet the following the minimum requirements:

(ii) Whenever possible, the side slopes and basin shape shall conform to the natural topography. When such design is impractical, the construction of the basin shall utilize slopes as flat as possible to blend the structure into the terrain. The maximum side slopes of the earthen basin embankments shall be three horizontal to one vertical.

(ii) A minimum grade of 2% shall be maintained for areas of sheet flow. For channel flow, a minimum grade of 1% shall be maintained. For basins relying on infiltration for drainage, rather than sheet or channel flow, a level bottom is permitted.

(iii) The top or toe of any slope shall be located a minimum of five feet from any property line.

(iv) A minimum 10 foot wide flat area shall be provided at the top of the basin berm.

(v) The maximum permitted aboveground ponding depth during any post-development design storm is 5 feet.

(vi) If permanent ponds are used, the applicant shall demonstrate that such ponds are designed to protect the public health and safety.

(vii) All aboveground basins shall be provided with a primary outlet and emergency spillway.

(viii) A cutoff trench shall be provided along the center line of any dam or earth fill embankments. The trench shall have a bottom width of not less than four feet, but adequate to allow use of equipment necessary to obtain proper compaction. Side slopes of the cutoff trench shall be no steeper than 1:1 ratio. The trench shall be filled with successive thin layers of relatively impervious material, each layer being thoroughly compacted.

(ix) All basin embankments shall be placed in lifts not to exceed eight inches in thickness and each lift shall be compacted to a minimum of 95% of modified proctor density as established by ASTM D-1557. Prior to proceeding to the next lift, the compaction shall be checked by a soils engineer hired by the applicant. Compaction tests shall be run on the leading and trailing edge of the berm along with the top of the berm. Verification of required compaction shall be

submitted to the Borough prior to utilization of any aboveground basin for stormwater management.

G. Primary spillway/Outlet pipes.

(i) The sizing of the outlet pipe shall be based on the post-construction one-hundred-year storm without utilizing the emergency spillway.

(ii) The pipe barrel and riser shall be solidly attached and placed on a firm foundation. The fill material around the primary spillway shall be placed in 4-inch lifts and compacted to at least the same density as the adjacent embankment.

(iii) All outlet pipes through a basin berm shall be reinforced concrete pipe with watertight joints.

(iv) Anti-seep collars shall be installed around the pipe barrel within the normal saturation zone of the basin berms and shall be poured in place.

(a) The anti-seep collars and their connections to the pipe barrel shall be watertight.

(b) The anti-seep collars shall extend a minimum of two feet beyond the outside of the principal pipe barrel.

(c) The maximum spacing between the collars shall be 14 times the minimum projection of the collar measured perpendicular to the pipe.

(d) A minimum of two anti-seep collars shall be installed on each outlet pipe.

(v) All outlet pipes shall have endwalls and energy dissipating devices (riprap, end sills, etc.) designed in accordance with the Pennsylvania Department of Environmental Protection's *Erosion and Sediment Pollution Control Program Manual* No. 363-2134-008, as amended and updated (PA E&S Manual).

H. Emergency spillways.

(i) The minimum capacity of the emergency spillway shall be the peak flow rate into the BMP from the post-development one-hundred-year design storm. In no case shall the emergency spillway be utilized in the design routing of the post-development one-hundred-year storm.

(ii) Whenever possible, the emergency spillway shall be constructed on undisturbed ground. The emergency spillway shall not discharge over earthen fill and/or easily eroded material. Emergency spillways constructed on undisturbed ground may be constructed of reinforced vegetated earth with supporting calculations. All other spillways shall be constructed of concrete, riprap, concrete checkerblocks, or similar materials approved by the Borough Engineer.

(iii) All emergency spillways shall be constructed to protect against erosion. The construction material of the emergency spillways shall extend along the upstream and downstream berm embankment slopes. The upstream edge of the emergency spillway shall be a minimum of three feet below the spillway crest elevation. The downstream slope of the spillway shall, at a minimum, extend to the toe of the berm embankment.

(iv) The minimum freeboard through any emergency spillway shall be one foot; freeboard is defined as the difference between the design flow elevation through the spillway and the elevation of the top of the BMP or berm. Six inches, minimum, is required between the post-construction one-hundred-year water surface elevation in a basin and the emergency spillway crest. The minimum depth of an emergency spillway shall be two feet.

I. Sediment basins and sediment traps for sediment control during construction shall be designed in accordance with the PA E&S Manual.

SECTION 2. REPEALER

Any and all other Ordinances or parts of Ordinances in violation or in conflict with the terms, conditions and provisions of this Ordinance are hereby repealed to the extent of such irreconcilable conflict.

SECTION 3. SEVERABILITY CLAUSE

The terms, conditions and provisions of this Ordinance are hereby declared to be severable, and, should any portion, part or provision of this Ordinance be found by a court of competent jurisdiction to be invalid, non-enforceable or unconstitutional, the Council hereby declares its intent that the Ordinance shall have been enacted without regard to the invalid, non-enforceable, or unconstitutional portion, part or provision of this Ordinance.

SECTION 4. EFFECTIVE DATE

This Ordinance shall become effective as provided under the Borough Code, 8 Pa.C.S. § 101, et seq.

ORDAINED and **ENACTED** an ordinance of the Borough of Conshohocken this 20th day of July, 2022.

BOROUGH OF CONSHOHOCKEN

Colleen Leonard
COLLEEN LEONARD, COUNCIL PRESIDENT

ATTEST:

SECRETARY

Approved this 20th day of July, 2022

YANIV ARONSON, MAYOR

After the Storm

A Citizen's Guide to Understanding Stormwater

EPA 833-B-03-002

January 2003

For more information contact:

or visit
www.epa.gov/npdes/stormwater
www.epa.gov/nps

What is stormwater runoff?

Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

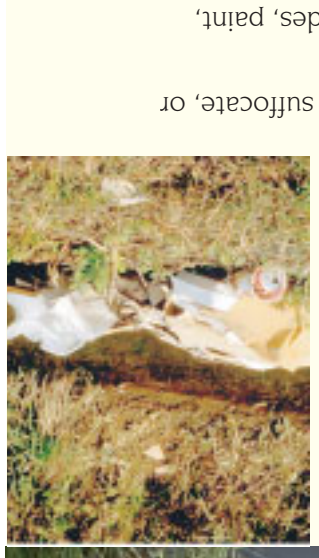
Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

Why is stormwater runoff a problem?

The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.
- Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



Stormwater Pollution Solutions

Residential

Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.

- Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- Cover piles of dirt or mulch being used in landscaping projects.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.

- Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- Don't dispose of household hazardous waste in sinks or toilets.

Auto care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.

- Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.

Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

Commercial

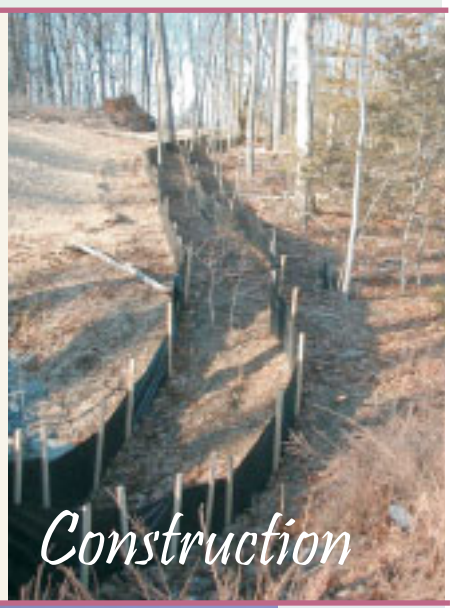
Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- Cover grease storage and dumpsters and keep them clean to avoid leaks.
- Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Construction

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- Divert stormwater away from disturbed or exposed areas of the construction site.
- Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



Agriculture

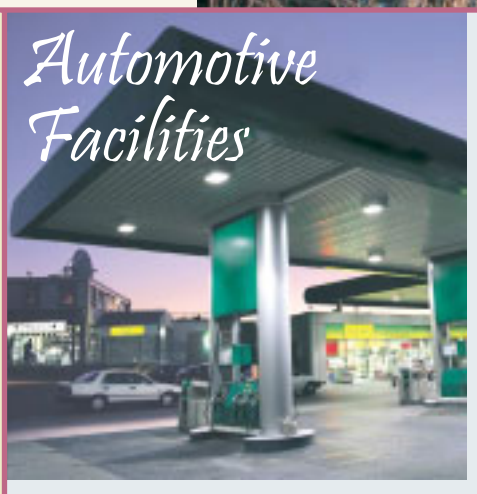
Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

- Keep livestock away from streambanks and provide them a water source away from waterbodies.
- Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- Vegetate riparian areas along waterways.
- Rotate animal grazing to prevent soil erosion in fields.
- Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.

Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- Conduct preharvest planning to prevent erosion and lower costs.
- Use logging methods and equipment that minimize soil disturbance.
- Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- Construct stream crossings so that they minimize erosion and physical changes to streams.
- Expedite revegetation of cleared areas.



Automotive Facilities

Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- Clean up spills immediately and properly dispose of cleanup materials.
- Provide cover over fueling stations and design or retrofit facilities for spill containment.
- Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- Install and maintain oil/water separators.

Stormwater Pollution Found in Your Area!

This is not a citation.

This is to inform you that our staff found the following pollutants in the storm sewer system in your area. This storm sewer system leads directly to

_____ .

- ❑ Motor oil
- ❑ Oil filters
- ❑ Antifreeze/ transmission fluid
- ❑ Paint
- ❑ Solvent/degreaser
- ❑ Cooking grease
- ❑ Detergent
- ❑ Home improvement waste (concrete, mortar)
- ❑ Pet waste
- ❑ Yard waste (leaves, grass, mulch)
- ❑ Excessive dirt and gravel
- ❑ Trash
- ❑ Construction debris
- ❑ Pesticides and fertilizers
- ❑ Other

_____

For more information or to report an illegal discharge of pollutants, please call:

WHEN IT RAINS IT DRAINS

www.epa.gov/npdes/stormwater

EPA
United States Environmental Protection Agency

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April 2003

Stormwater runoff is precipitation from rain or snowmelt that flows over the ground. As it flows, it can pick up debris, chemicals, dirt, and other pollutants and deposit them into a storm sewer system or waterbody.

Anything that enters a storm sewer system is discharged *untreated* into the waterbodies we use for swimming, fishing, and providing drinking water.

Remember: Only Rain Down the Drain

To keep the stormwater leaving your home or workplace clean, follow these simple guidelines:

- Use pesticides and fertilizers sparingly.
- Repair auto leaks.
- Dispose of household hazardous waste, used auto fluids (antifreeze, oil, etc.), and batteries at designated collection or recycling locations.
- Clean up after your pet.
- Use a commercial car wash or wash your car on a lawn or other unpaved surface.
- Sweep up yard debris rather than hosing down areas. Compost or recycle yard waste when possible.
- Clean paint brushes in a sink, not outdoors. Properly dispose of excess paints through a household hazardous waste collection program.
- Sweep up and properly dispose of construction debris like concrete and mortar.

10,000 professional automotive recyclers to be served

1200 resource documents provided

50 states represented

3 strategic partners

1 environmental compliance assistance center

www.ECARcenter.org

Now everyone in the automotive recycling industry will have one place to go to find current and relevant information to help them comply with federal, state and local environmental laws.

ECARcenter.org is an environmental compliance assistance center developed by the Automotive Recyclers Association, the U.S. Environmental Protection Agency and the National Center for Manufacturing Sciences.

Visitors to **ECARcenter.org** will find plain language explanations of the major environmental regulations affecting automotive recyclers, along with links to additional sources of more detailed information.

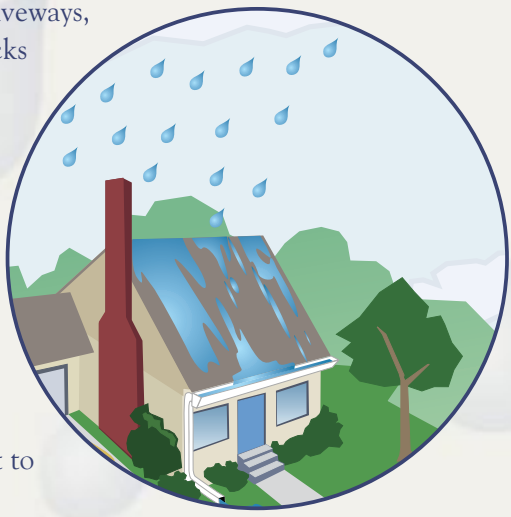
ECARcenter.org is designed to be an interactive web site that allows users to search by state and activity subject. By taking the ECAR Tour, users will eventually have access to more than 1200 informative fact sheets on topics that recyclers care about most — such as stormwater management, hazardous waste handling, used tire storage, and wastewater disposal.

In addition to detailing what is required, **ECARcenter.org** provides extra information to help improve facility operations, including industry Best Management Practices (BMPs) and self-audit checklists. It also contains tools that help users locate other useful resources on the Internet. **ECARcenter.org** centralizes all of this material in a format that is user-friendly and easily printed.

To benefit users further, the site also features up-to-the-minute industry news articles pulled from publications across the country, as well as an interactive calendar feature that allows users to input dates of industry events.

With funding allocated through EPA, **ECARcenter.org** is available at no cost to the user. For more information about the site, contact Michelle Trowbridge with ARA by phone at 703/385-1001, ext. 23 or e-mail mtrowbridge@belmontcc.com, or contact Paul Chalmer with NCMS by phone at 734/995-4911 or by e-mail at paulc@ncms.org.

As stormwater flows over driveways, lawns, and sidewalks, it picks up debris, chemicals, dirt, and other pollutants. Stormwater can flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.



By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fluids off the ground and out of stormwater. Adopt these healthy household habits and help protect lakes, streams, rivers, wetlands, and coastal waters. Remember to share the habits with your neighbors!

Healthy Household Habits for Clean Water

Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to **minimize** the amount of dirty, soapy water flowing into the storm drain and eventually into your local waterbody.

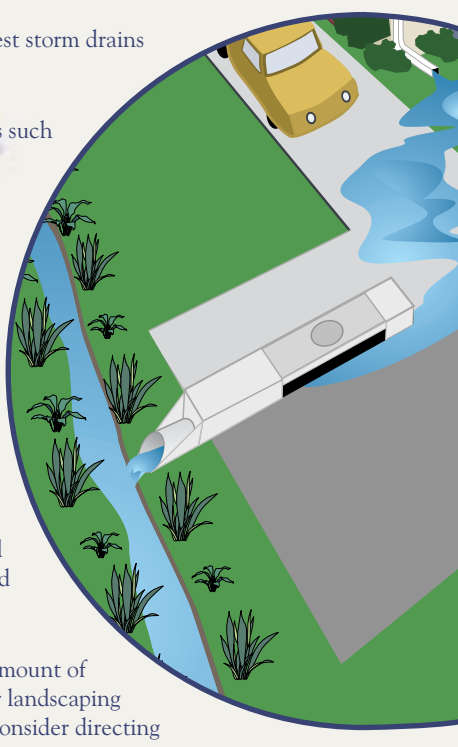
- Check your car, boat, motorcycle, and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up **spilled fluids** with an absorbent material like kitty litter or sand, and don't rinse the spills into a nearby storm drain. Remember to properly dispose of the absorbent material.
- **Recycle** used oil and other automotive fluids at participating service stations. Don't dump these chemicals down the storm drain or dispose of them in your trash.

Lawn and Garden

- Use pesticides and fertilizers **sparingly**. When use is necessary, use these chemicals in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals will be washed into your local stream.
- Select **native** plants and grasses that are drought- and pest-resistant. Native plants require less water, fertilizer, and pesticides.
- **Sweep up** yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the **cool** times of the day, and don't let water run off into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local waterbodies. **Vegetate** bare spots in your yard to prevent soil erosion.

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains and **protect** them from debris and other materials.
- **Sweep up** and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents, and cleaners in the **smallest amounts possible**, and follow the directions on the label. Clean up spills **immediately**, and dispose of the waste safely. Store substances properly to avoid leaks and spills.
- Purchase and use **nontoxic**, **biodegradable**, **recycled**, and **recyclable** products whenever possible.
- **Clean** paint brushes in a sink, not outdoors. Filter and reuse paint thinner when using oil-based paints. Properly dispose of excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.



- **Reduce** the amount of paved area and increase the amount of vegetated area in your yard. Use native plants in your landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.

Pet Care

- When walking your pet, remember to **pick up** the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Swimming Pool and Spa

- **Drain** your swimming pool only when a test kit does not detect chlorine levels.
- Whenever possible, drain your pool or spa into the **sanitary** sewer system.
- Properly store pool and spa chemicals to **prevent** leaks and spills, preferably in a covered area to avoid exposure to stormwater.

Septic System Use and Maintenance

- Have your septic system **inspected** by a professional at least every 3 years, and have the septic tank **pumped** as necessary (usually every 3 to 5 years).
- Care for the septic system drainfield by **not** driving or parking vehicles on it. Plant only grass over and near the drainfield to avoid damage from roots.
- Flush responsibly. Flushing household chemicals like paint, pesticides, oil, and antifreeze can **destroy** the biological treatment taking place in the system. Other items, such as diapers, paper towels, and cat litter, can **clog** the septic system and potentially damage components.

Storm drains connect to waterbodies!

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January 2003

THE YEAR OF CLEAN WATER

Celebrate Restoration!

www.epa.gov/nps

Remember: Only rain down the drain!

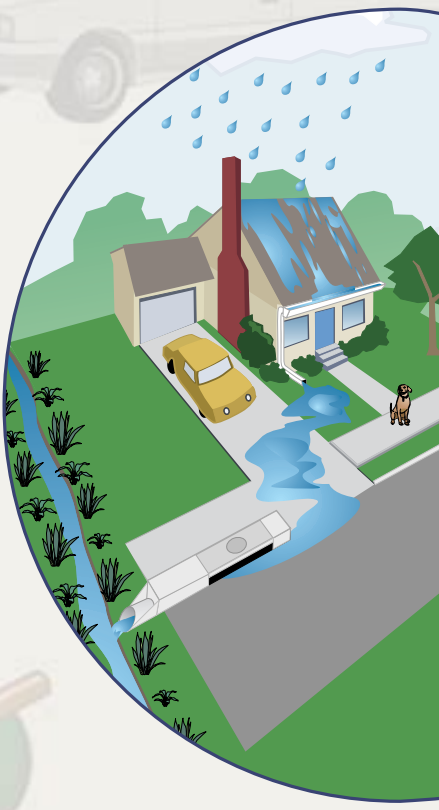
For more information, visit
www.epa.gov/npdes/stormwater
or

Make your home

The

SOLUTION TO STORMWATER POLLUTION!

A homeowner's guide to healthy habits for clean water



EPA United States Environmental Protection Agency

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EPA 841-F-03-003

Protecting Water Quality *from* URBAN RUNOFF

Clean Water Is Everybody's Business

In urban and suburban areas, much of the land surface is covered by buildings and pavement, which do not allow rain and snowmelt to soak into the ground. Instead, most developed areas rely on storm drains to carry large amounts of runoff from roofs and paved areas to nearby waterways. The stormwater runoff carries pollutants such as oil, dirt, chemicals, and lawn fertilizers directly to streams and rivers, where they seriously harm water quality. To protect surface water quality and groundwater resources, development should be designed and built to minimize increases in runoff.

The most recent National Water Quality Inventory reports that runoff from urbanized areas is the leading source of water quality impairments to surveyed estuaries and the third-largest source of impairments to surveyed lakes.

Did you know that because of impervious surfaces like pavement and rooftops, a typical city block generates more than 5 times more runoff than a woodland area of the same size?

How Urbanized Areas Affect Water Quality

Increased Runoff

The porous and varied terrain of natural landscapes like forests, wetlands, and grasslands traps rainwater and snowmelt and allows them to filter slowly into the ground. In contrast, impervious (nonporous) surfaces like roads, parking lots, and rooftops prevent rain and snowmelt from infiltrating, or soaking, into the ground. Most of the rainfall and snowmelt remains above the surface, where it runs off rapidly in unnaturally large amounts.

Storm sewer systems concentrate runoff into smooth, straight conduits. This runoff gathers speed and erosional power as it travels underground. When this runoff leaves the storm drains and empties into a stream, its excessive volume and power blast out streambanks, damaging streamside vegetation and wiping out aquatic habitat. These increased storm flows carry sediment loads from construction sites and other denuded surfaces and eroded streambanks. They often carry higher water temperatures from streets, roof tops, and parking lots, which are harmful to the health and reproduction of aquatic life.

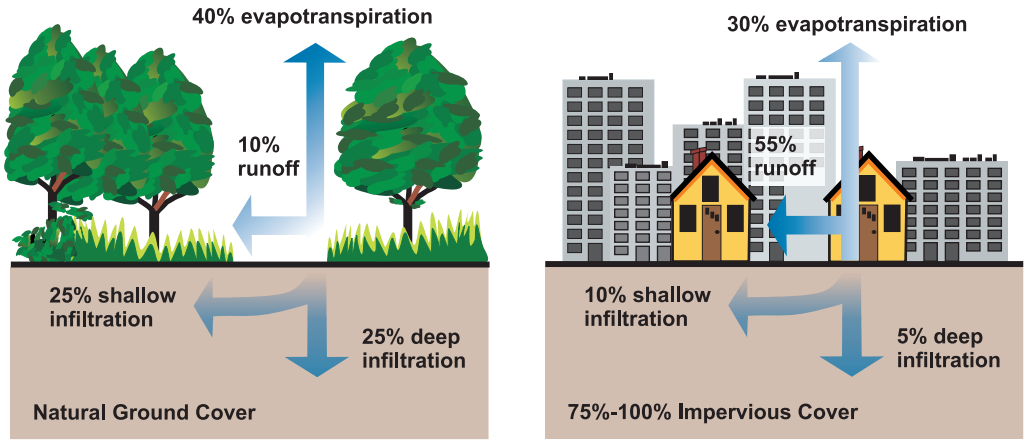
The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot survive when these conditions prevail.

Increased Pollutant Loads

Urbanization increases the variety and amount of pollutants carried into streams, rivers, and lakes. The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and failing septic systems
- Road salts
- Heavy metals from roof shingles, motor vehicles, and other sources
- Thermal pollution from dark impervious surfaces such as streets and rooftops

These pollutants can harm fish and wildlife populations, kill native vegetation, foul drinking water supplies, and make recreational areas unsafe and unpleasant.



Relationship between impervious cover and surface runoff. Impervious cover in a watershed results in increased surface ruunoff. As little as 10 percent impervious cover in a watershed can result in stream degradation.

Managing Urban Runoff

What Homeowners Can Do

To decrease polluted runoff from paved surfaces, households can develop alternatives to areas traditionally covered by impervious surfaces. Porous pavement materials are available for driveways and sidewalks, and native vegetation and mulch can replace high maintenance grass lawns. Homeowners can use fertilizers sparingly and sweep driveways, sidewalks, and roads instead of using a hose. Instead of disposing of yard waste, they can use the materials to start a compost pile. And homeowners can learn to use Integrated Pest Management (IPM) to reduce dependence on harmful pesticides.

In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (e.g., detergents, grime, etc.) by using car wash facilities that do not generate runoff. Households served by septic systems should have them professionally inspected and pumped every 3 to 5 years. They should also practice water conservation measures to extend the life of their septic systems.

Controlling Impacts from New Development

Developers and city planners should attempt to control the volume of runoff from new development by using low impact development, structural controls, and pollution prevention strategies. Low impact development includes measures that conserve natural areas (particularly sensitive hydrologic areas like riparian buffers and infiltrable soils); reduce development impacts; and reduce site runoff rates by maximizing surface roughness, infiltration opportunities, and flow paths.

Controlling Impacts from Existing Development

Controlling runoff from existing urban areas is often more costly than controlling runoff from new developments. Economic efficiencies are often realized through approaches that target "hot spots" of runoff pollution or have multiple benefits, such as high-efficiency street sweeping (which addresses aesthetics, road safety, and water quality). Urban planners and others responsible for managing urban and suburban areas can first identify and implement pollution prevention strategies and examine source control opportunities. They should seek out priority pollutant reduction opportunities, then protect natural areas that help control runoff, and finally begin ecological restoration and retrofit activities to clean up degraded water bodies. Local governments are encouraged to take lead roles in public education efforts through public signage, storm drain marking, pollution prevention outreach campaigns, and partnerships with citizen groups and businesses. Citizens can help prioritize the clean-up strategies, volunteer to become involved in restoration efforts, and mark storm drains with approved "don't dump" messages.

Related Publications

Turn Your Home into a Stormwater Pollution Solution!

www.epa.gov/nps

This web site links to an EPA homeowner's guide to healthy habits for clean water that provides tips for better vehicle and garage care, lawn and garden techniques, home improvement, pet care, and more.

National Management Measures to Control Nonpoint Source Pollution from Urban Areas

www.epa.gov/owow/nps/urbanmm

This technical guidance and reference document is useful to local, state, and tribal managers in implementing management programs for polluted runoff. Contains information on the best available, economically achievable means of reducing pollution of surface waters and groundwater from urban areas.

Onsite Wastewater Treatment System Resources

www.epa.gov/owm/onsite

This web site contains the latest brochures and other resources from EPA for managing onsite wastewater treatment systems (OWTS) such as conventional septic systems and alternative decentralized systems. These resources provide basic information to help individual homeowners, as well as detailed, up-to-date technical guidance of interest to local and state health departments.

Low Impact Development Center

www.lowimpactdevelopment.org

This center provides information on protecting the environment and water resources through integrated site design techniques that are intended to replicate preexisting hydrologic site conditions.

Stormwater Manager's Resource Center (SMRC)

www.stormwatercenter.net

Created and maintained by the Center for Watershed Protection, this resource center is designed specifically for stormwater practitioners, local government officials, and others that need technical assistance on stormwater management issues.

Strategies: Community Responses to Runoff Pollution

www.nrdc.org/water/pollution/storm/stoinx.asp

The Natural Resources Defense Council developed this interactive web document to explore some of the most effective strategies that communities are using around the nation to control urban runoff pollution. The document is also available in print form and as an interactive CD-ROM.

For More Information

U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

www.epa.gov/nps

February 2003