



**BOROUGH OF AMBLER
COMMITTEE MEETING**

**All matters that are deliberated could result in a vote
to take official action.**

August 2, 2022

Finance & Planning Committee

August 2, 2022

Nellie Forst - Chair

Frank DeRuosi

Karen Sheedy

Lisa Auerbach

OLD BUSINESS

NEW BUSINESS

1. **BOROUGH ENGINEER'S REPORT**
The Borough Engineer's report is attached.

2. **STREET SWEEPING**
The street sweeping schedule in Haywood Park is **attached**, an Ordinance amendment to split the schedule into an am/pm process to allow parking on alternate sides of the street is being prepared.

3. **LAND DEVELOPMENT 25 N. RIDGE**
A presentation will be at the Council meeting on the 16th for the Preliminary / Final Land Development Plan to convert the existing building into two residential condominium units along with off street parking at 25 North Ridge Avenue – Colony Club, LLC .

4. **STORMWATER ORDINANCE**
Authorization is requested to advertise to hold a public hearing and adoption of a revised Borough Stormwater Ordinance in order to be consistent with the DEP's 2022 Model ordinance. See **attached** draft ordinance.

5. **HEAD START LEASE**
Consider executing an additional lease agreement with MCIU/Head Start Program for rental space for the 2022-23 school year, to accommodate a second classroom, with the same terms and conditions as prior leases.

AMBLER BOROUGH

Status

Project No.	Project Name	Status
Borough Engineer		
2003-0122-01	Ambler-2013 NPDES MS4 Permit	2021 Annual Status Report submitted to PADEP 9/30/21. Next Annual Status Report due 9/30/22 for period 7/1/21 thru 6/30/22. PADEP review of TMDL/RRP received 5/28/21. Preparation of response underway
2006-08054	Pedestrian Sidewalk Upgrade Program	Revised Safety Report, ADA, Traffic, DM-3 (plans presentation), and Environmental Report Re-Evaluation approved by PADOT. Revised construction submission made to DVRPC. Utility submission coordination with DVRPC underway.
2013-0220	Ambler Crossings	Construction underway. Escrow release for Phase 1 (Boiler House parking) provided 9/27/18. Escrow release #1 for Phase 2 provided 6/4/20. Review of amended Village Green provided 4/22/22
2014-12015	St. Mary's Villa Residential Redevelopment - TIS	UDT provided Bethlehem/Lindenwold signal concept plans for review on 7/2/21 and were discussed with UDT on 7/22/21. UDT & Ambler coordinating with owner of 98 S Bethlehem & 359 Lindenwold.
2017-01010-01	Ambler Pocket Park - Ambler Square	SOM 9/21/2021. EOM 3/22/2023
2020-07089	90 W. Butler Ave	Construction complete. SOM 6/3/2022. EOM 12/2/2023
2021-01010-01	Tannery Run Repairs	Section of Tannery Run culvert at 57 E Butler being assessed for repairs. Recommendation will be provided. CMPA replacement at 205 E Butler awarded to Scott Contractors. Preconstruction meeting to be scheduled. Construction anticipated to be late Summer early Fall
2021-03028	Lakeview Development 5-9 N. Maple Ave.	Pre-application meeting held with developer on 3/5/2021. Sketch plan review provided 7/24/2021 and discussed at July PC meeting. Review of preliminary/final plans on hold pending draft ZO text amendment and revised plans.
2021-04048	Edgewood Dr - PA Small Water & Sewer Program Grant Implementation	Slope protection work completed. Preparation of plans and specification for storm sewer project underway.
2022-01010	2022 Ambler Borough General Engineering Services	Application for Local Share Program for pedestrian improvements along Hendricks and Mount Pleasant submitted 3/13/22.
2022-03102	Ambler 2022 Paving	2022 paving project to be prepared for public bid. Survey for design of curb ramps underway.
2022-05006	25 N Ridge - Colony Club LD Review	Engineer review of land development application provided 5/16/22. PC recommended conditional approval at 5/24/22 meeting.
2022-05007	24 & 26 N Ridge - John's Court	Engineer review of land development application provided 5/16/22. PC recommended conditional approval at 5/24/22 meeting.
Sewer Engineer		
2013-02020-01	Ambler Crossings - Sewer	Construction underway. Sanitary Sewer is complete; testing remains.
2022-01041	Chapter 94 Report	Sewer collection system report prepared and transmitted to EEMA on 2/23/22
2022-01050	2022 Ambler Borough General Sewer Services	Ongoing
Water Engineer		

GILMORE & ASSOCIATES, INC.

AMBLER BOROUGH

Status

Project No.	Project Name	Status
Water Engineer		
2012-10043	Loch Alsh Dam Annual Inspections	Report submitted to PADEP on 12/20/21.
2013-02020-02	Ambler Crossings - Water	Construction underway. Water main is tested/complete.
2013-02073	Loch Alsh Emergency Action Plan	Hydrologic & hydraulic analysis and inundation map revisions completed by Princeton Hydro (PH) per report letter dated 4/12/21. Emergency Action Plan (EAP) updated per PH report and for administrative changes. PH report and updated EAP transmitted to Borough for review on 4/23/21. Borough obtained required agencies' signatures. EAP uploaded to CEMPlanner website on 6/21/21 for PADEP & PEMA review. EAP to be distributed to necessary agencies upon acceptance by PADEP & PEMA.
2018-01154	Gwynedd Walk (LGT)	Water main construction and testing complete. 18 month maintenance period complete. Acceptable water as-built plan received 9/13/21, and final inspection conducted by Water Dept. Solicitor preparing documents for acceptance of water system by Ambler Borough.
2018-01171	Mattison Estates (UDT)	Water construction and testing complete. 18 month maintenance period began 7/1/20. Assisting Ambler staff with construction concerns and project documentation. Maintenance Bond extended to 3/31/22 based on observed water service leaks and concerns with construction of water facilities. Water as-built plans received 4/25/22 and under review.
2019-01169-01	Butler Pike Water Main Replacement	Project complete. Final payment recommended 5/20/21. 18 month maintenance period began 5/12/21.
2020-03071	2021 MIRIA Grant Program	Assisted Water Dept. with preparation of grant application documents, including budget cost estimate for proposed PFAS treatment piping project to connect Wells 6 and 7 to proposed Well 2 treatment system. Grant awarded by MIRIA end of December 2020. Contract 21-01. Wells 2, 6 & 7 Water Mains awarded to KBC Construction on 8/18/21. Pre-construction meeting held and Notice to Proceed issued 9/29/21. Construction began 10/4/21 and is complete. Change Order processed for change in main size, pipe purchase credit, and extension of new main on Loch Alsh Ave. Final payment recommended 3/2/22. 18 month maintenance period began 2/4/22. Proposal reviewed and recommendations sent to Ambler staff for removal, inspection, incineration and replacement of carbon at both Whitemarsh treatment vessels. Provided recommendations for inspection of interior of GAC vessels during carbon changeout. Reviewed and tabulated October 2021 quarterly PFAS samples for all sources and tanks. Reviewed PA DEP proposed PFAS MCL Rule and provided summary of proposed regulation to Ambler staff.
2020-03072	Whitemarsh Plant Operations	Assisting Water Dept. with recommendations and revisions to the Whitemarsh Plant SOPs. Prepared revised calculations with recommended settings to meet 1.0-Log Giardia Inactivation requirements. Prepared and submitted plan to DEP for review and approval of tracer test to be conducted at Whitemarsh to determine contact time and efficiency of chlorine detention facilities. Plan approved by DEP on 1/13/20. Tracer test completed 12/1/2020. Report of test results submitted to DEP on 3/18/21. Permit issued by DEP on 3/24/21. Reviewing follow-up comments received 7/14/21 from PA DEP regarding Filter Plant Performance Evaluation.

AMBLER BOROUGH

Status

Project No.	Project Name	Status
Water Engineer		
2020-06158	Wells 2, 6, and 7 PFAS Treatment System	\$1,000,000 grant awarded by PADEP. Survey complete and engineering design underway. PA DEP PWS Permit issued 3/28/22. PA DEP Sewage Planning approval received 3/24/22. Comments received 9/30/21 from BCWSA re: sewer lateral required for backwash discharge from proposed treatment facility. Virtual meeting with BCWSA representatives in December to discuss requirements for discharge of backwash water. Plans revised to connect to sewer in Loch Aish Ave. Sewer capacity certification letter dated 1/26/22 issued by BCWSA for three EDUs along with a request for execution of a Reservation of Capacity Agreement. Attended April UDT Planning Commission Mtg. for consideration of request for Waiver of LD. Prepared documents and coordinated with Solicitor for Zoning Application determined by UDT as required for Commissioners to consider LD Waiver request. Zoning Hearing scheduled for 8/25/22. Preparation of project manual underway with public bidding to follow zoning process.
2021-04054	2022 MIRIA Grant Program	Assisted Water Dept. with preparation of grant application documents, including budget cost estimate for proposed PFAS treatment system facility at Well 12 or Well 14, carbon changeout at Whitemarsh treatment plant, and 2022 quarterly PFAS sampling and laboratory testing. Reviewed and tabulated January 2022 quarterly PFAS samples for all sources and tanks. Initial field survey and base plan for Well 14 site completed; preliminary design underway; coordinating with PADEP regarding required pilot testing and permitting.
2021-04095	Longfield Farms Development (Whitemarsh Twp)	Plan review letter #3 issued 5/17/22 recommending project approval; water construction escrow recommended per letter dated 5/5/22 for use in developer's agreement. Preconstruction meeting held on 6/27/22. Water shop drawing submittals reviewed 7/22/22.
2022-01040	DRBC Annual Water Audit	Annual water audit completed and submitted to DRBC on 3/31/22. A revised audit utilizing an updated software version per DRBC request was submitted on 7/8/22.
2022-01049	2022 Ambler Borough General Water Services	Ongoing assistance concerning PFAS issues, including regulatory activity, source monitoring, providing information and responses to the public. Preparing update to water distribution system map. Met with Ambler staff on 2/1/22 to review current and proposed capital and grant-funded projects. Working with Ambler Supt. on updates to distribution system sample site plan and potential increase to maximum flow rate for Well 4.
2022-01230	T-Mobile Upgrades at Houston Rd Tank	Plan review #2 issued 5/24/22 recommending project approval.
2022-02056	AT&T Upgrades at Houston Rd Tank	Plan review letter #1 issued 2/17/22. Awaiting structural analysis reports for review.
2022-02057	Verizon Upgrades at Broad Axe Tank	Plan review #1 issued 3/2/22 recommending project approval.
2022-02095	NWWA Water Purchase Agreement	Meeting held on 2/14/22 between NWWA staff, Ambler staff and G&A to discuss potential interconnection of respective water systems for emergency & permanent uses and wholesale purchase of water. NWWA provided a draft Water Supply Agreement to Ambler on 3/9/22 for review.
2022-02104	AT&T Upgrades at Broad Axe Tank	Plan review #2 issued 6/30/22 recommending project approval.
2022-04076	Lakeview Development 5-9 N. Maple Ave.	Plan review on hold pending submission of revised plans.

GILMORE & ASSOCIATES, INC.

AMBLER BOROUGH

Status

Project No. Project Name

Water Engineer

2022-04096 2023 MIRIA Grant Program

Met with Ambler staff to review scope of work to be included in MIRIA Application. Prepared cost estimate for proposed NWWA interconnection and associated new piping, additional cost associated with Whitmarsh carbon replacement, and 2023 PFAS sampling. Prepared MIRIA Application documents for submission by Borough on May 16, 2022. Consulted with PADEP regarding permitting requirements for new NWWA Interconnection. Field survey and base plan for design scheduled for late summer.

2022-06066 Verizon Upgrades at Houston Rd Tank

Plan review #1 issued 6/22/22 recommending project approval.

2022-07025 Wissahickon Park (Whitpain Twp)

Coordinating with Ambler staff re: proposed improvements to Wissahickon Park and need for new or upgraded water service for site. Awaiting plans from Whitpain Township to review for the proposed park.

AMBLER BOROUGH STREET SWEEPING SCHEDULE

MONDAY A.M.

Rosemary
Church
S Main (to Poplar)
S Spring Garden
Southern
Highland
Orange
Trinity
Euclid

WEDNESDAY A.M.

Rosemont (1/2 of street)
N Main
N Spring Garden
Reiff's Mill
N Ridge
Mt Pleasant
Pleasant Acres
Doc's Court
Hendricks
Grist Mill
Fulling Mill
Tennis

THURSDAY P.M.

Walnut St
Belmont
Valley Brook
Edgewood
S Chestnut
Maple
Wissahickon
Locust
Center

MONDAY P.M.

Bannockburn
Park
North
Woodland
Lindenwold

WEDNESDAY P.M.

N Ridge
Hendricks
Tennis
Cove
Anderson
Cherry
Candy
Beechmont
Artman
Overlook
Haywood
Walker
Knight (left up to Francis)
Knight (N Sp Garden both sides
up to Francis)

FRIDAY A.M.

Butler (Beth Pike to Bridge)
N Main (to Reiff's Mill)
Reiff's Mill (to Tennis)
Each side street (1 block
radius of Butler Ave)
All Parking Lots
S Chestnut
Maple
Wissahickon
Locust
Center
Butler (Hendricks to Beth Pk)

TUESDAY A.M.

Mattison
Trinity
Highland
Southern
Park
Church

THURSDAY A.M.

School
Walnut Ln
Ridge
Walnut St
N Spring Garden
Forest
Glen Mawr
Valley Brook
Edgewood
Hendricks
Fairview
Heckler
Rosemont

TUESDAY P.M.

Lindenwold
Greenwood
Water
Orange
Lemon
Euclid
North

THE BOROUGH OF AMBLER, MONTGOMERY COUNTY, PA

ORDINANCE NUMBER 9841108

AN ORDINANCE OF THE BOROUGH OF AMBLER REPEALING THE EXISTING STORMWATER MANAGEMENT ORDINANCE, TITLE 26 PART 4 OF THE CODIFIED ORDINANCES, AND ADOPTING A NEW STORMWATER MANAGEMENT ORDINANCE.

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WHEREAS, The Pennsylvania Storm Water Management Act (Act 167) requires municipalities to adopt or amend, and shall implement such ordinances and regulations as are necessary to regulate the location, design, and construction of stormwater management systems in a manner consistent with the applicable watershed storm water plan, and

WHEREAS, the Borough of Doylestown-Ambler owns and operates a Small Municipal Separate Storm Sewer System (MS4) that is permitted to discharge to surface waters of the Commonwealth of Pennsylvania by authorization from the Pennsylvania Department of Environmental Protection (PADEP), and

WHEREAS, the PADEP has created a new model ordinance intended to achieve compliance with Act 167 and with the authorization to discharge from the MS4 to waters of the Commonwealth, and

WHEREAS, the Borough Council of the Borough of Doylestown-Ambler desires to remain compliant with Act 167 and with its authorization to discharge from the MS4 to waters of the Commonwealth, WHEREAS, as a result of increased real estate development, the Commonwealth of Pennsylvania in 1973 adopted Act 167 to regulate accelerated stormwater runoff associated with such development, and

WHEREAS, Act 167 requires regulation of stormwater at the county level, and, in turn, at the local municipal level, and

WHEREAS, Montgomery County has created a new model ordinance intended to achieve continuing compliance with Act 167, and

WHEREAS, the Borough of Ambler desires and intends to remain compliant with laws including Act 167.

NOW THEREFORE, Ambler Borough Council does ORDAIN as follows:

1. Ordinance 9841108, Codified at Title 26, Part 4 of the Borough codified ordinances, and being the Borough's existing stormwater management ordinance, is hereby REPEALED in its entirety.
2. At Title 26, Part 4 of the codified ordinances, there shall be a new Part 4 to be called the Ambler Borough Stormwater Management Ordinance, and to consist of the following.

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SUBPART A. GENERAL PROVISIONS

- §26-401. Short Title
- §26-402. Statement of Findings
- §26-403. Purpose
- §26-404. Statutory Authority
- §26-405. Applicability/ Regulated Activities
- §26-406. Exemptions
- §26-407. Repealer
- §26-408. Severability
- §26-409. Compatibility with Other Ordinances or Legal Requirements
- §26-410. Duty of Persons Engaged in the Development of Land
- §26-411. Erroneous Permit
- §26-412. Waivers
- §26-413. Change of Appendices

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SUBPART B. DEFINITIONS

- §26-414. Interpretation
- §26-415. Definitions

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SUBPART C. STORMWATER MANAGEMENT (SWM) SITE PLAN REQUIREMENTS

- §26-416. SWM Site Plan Contents
- §26-417. Plan Submission
- §26-418. Small Project Stormwater Management Site Plan
- §26-419. Stormwater Management Site Plan Review
- §26-420. Modification of Plans
- §26-421. Resubmission of Disapproved SWM Plans
- §26-422. Authorization to Construct and Term of Validity
- §26-423. As-Built Plans, Completion Certificate, and Final Inspection

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SUBPART D. STORMWATER MANAGEMENT

- §26-424. General Requirements
- §26-425. Permit Requirements by Other Governmental Entities
- §26-426. Erosion and Sediment Pollution Control
- §26-427. Nonstructural Project Design to Minimize Stormwater Impacts
- §26-428. Groundwater Recharge
- §26-429. Volume Control
- §26-430. Stream Bank Erosion
- §26-431. Stormwater Peak Rate Control and Management Districts
- §26-432. Calculation Methodology
- §26-433. Other Requirements

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SUBPART E. INSPECTIONS

- §26-434. Inspections

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SUBPART F. FEES AND EXPENSES

- §26-~~434~~435. Stormwater Management Site Plan Review and Inspection Fee
- §26-~~434~~436. Expenses Covered by Fees

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SUBPART G. MAINTENANCE RESPONSIBILITIES

- §26-~~435~~437. Performance Guarantee
- §26-~~436~~438. Responsibilities for Operation and Maintenance of Stormwater Facilities and BMPs
- §26-~~437~~439. Borough Review of Stormwater Facilities and BMP Operations and Maintenance Plan
- §26-~~438~~440. Operation and Maintenance Agreement for Privately Owned Stormwater Facilities and BMPs
- §26-~~439~~441. Stormwater Management Easements

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SUBPART H. PROHIBITIONS

- §26-~~440~~442. Prohibited Discharges and Connections
- §26-~~441~~443. Roof Drains
- §26-~~442~~444. Alterations of Stormwater Management BMPs

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SUBPART I. ENFORCEMENT AND PENALTIES

- §26-~~443~~445. Right of Entry
- §26-~~444~~445. Inspection
- §26-~~445~~447. Enforcement
- §26-~~446~~448. Suspension and Revocation of Permits and Approvals
- §26-~~447~~449. Penalties
- §26-~~448~~450. Appeals

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APPENDICIES.

- Appendix A Stormwater Management Design Criteria
- Appendix B Low Impact Development Practices
- Appendix C Nonstructural Project Design Checklist
- Appendix D Disconnected Impervious Area
- Appendix E Hot Spots
- Appendix F West Nile Virus Guidance
- Appendix G Small Project Stormwater Management Site Plan
- Appendix H Operation and Maintenance (O&M) Agreement for Stormwater Management Best Practices (SWM BMPs)

**CHAPTER 26 – WATER
PART 4
STORMWATER MANAGEMENT**

SUBPART A. GENERAL PROVISIONS

§26-401. Short Title

This Ordinance shall be known and cited as the “Ambler Borough Stormwater Management Ordinance”.

§26-402. Statement of Findings

The Borough Council finds that:

- A. Inadequate management of accelerated stormwater runoff resulting from development throughout a watershed increases flood flows and velocities, contributes to erosion and sedimentation, overtaxes the carrying capacity of existing streams and storm sewers, greatly increases the cost of public facilities to convey and manage stormwater, undermines floodplain management and flood reduction efforts in upstream and downstream communities, reduces groundwater recharge, and threatens public health and safety.
- B. Inadequate planning and management of stormwater runoff resulting from land development throughout a watershed can also harm surface water resources by changing the natural hydrologic patterns, accelerating stream flows (which increase scour and erosion of streambeds and streambanks, thereby increasing sedimentation), destroying aquatic habitat, and increasing aquatic pollutant concentrations and loadings such as sediments, nutrients, heavy metals, and pathogens.
- C. A comprehensive program of stormwater management (SWM), including minimization of impacts of development, redevelopment, and activities causing accelerated erosion and loss of natural infiltration, is fundamental to the public health, safety, welfare, and the protection of the people of the Borough and all of the people of the Commonwealth, their resources, and the environment.
- D. Stormwater is an important resource by providing groundwater recharge for water supplies and baseflow of streams, which also helps to protect and maintain surface water quality.
- E. Impacts from stormwater runoff can be minimized by using project designs that maintain the natural hydrologic regime and sustain high water quality, groundwater recharge, stream baseflow, and aquatic ecosystems.
- F. Federal and state regulations require certain municipalities to implement a program of stormwater controls. These municipalities are required to obtain a permit for stormwater discharges from their separate storm sewer systems under the National Pollutant Discharge Elimination System (NPDES).
- G. Non-stormwater discharges to Municipal Separate Storm Sewer System (MS4) may contribute to pollution of waters of the Commonwealth by the Borough of Ambler.

§26-403. Purpose

The purpose of this Ordinance is to promote the public health, safety, and welfare within the Borough by maintaining the natural hydrologic regime and by minimizing the harms and maximizing the benefits described in Section 26-402 of this Ordinance, through provisions designed to:

- A. Meet legal water quality requirements under state law, including regulations of 25 Pa. Code 93 to protect, maintain, reclaim, and restore the existing and designated uses of the waters of the Commonwealth.
- B. Preserve the natural drainage systems ~~as much as possible.~~
- C. Manage stormwater impacts close to the runoff source, requiring a minimum of structures and ~~minimize~~ ~~preserve~~ ~~element~~ ~~hydrology~~ ~~existing~~ ~~natural~~ ~~processes.~~
- D. Provide review procedures and performance standards for stormwater planning and management.
- E. Focus on infiltration of stormwater to maintain groundwater recharge to prevent degradation of surface and groundwater quality and to otherwise protect water resources.
- F. Prevent scour and erosion of streambanks and streambeds.
- G. Provide for proper operation and maintenance of all Stormwater Management facilities and Best Management Practices (BMPs) that are implemented within the Borough.
- H. Provide standards to meet National Pollutant Discharge Elimination System (NPDES) permit requirements.
- I. Meet legal water quality requirements under state law, including regulations at 25 Pennsylvania Code Chapter 93.4.a requiring protection and maintenance of “existing uses” and maintenance of the level of water quality to support those uses in all streams, and the protection and maintenance of water quality in “special protection” streams.
- J. Address the quality and quantity of stormwater discharges.
- K. Implement an illegal discharge detection and elimination program that addresses non-stormwater discharges into the Borough’s Separate Storm Sewer System (MS4).
- L. Preserve and restore the flood-carrying capacity of streams.
- M. Minimize impervious surfaces.
- N. Address certain requirements of the Municipal Stormwater Sewer System (MS4) NPDES Phase II Stormwater Regulations.
- O. Implement the requirements of the Wissahickon Creek Watershed Act 167 Stormwater Management Plan.

§26-404. Statutory Authority

The Borough is empowered to regulate land use activities that may affect runoff, surface and groundwater quality and quantity by the authority of:

- A. Pennsylvania Municipalities Planning Code, Act 247, as amended.
- B. The Pennsylvania Stormwater Management Act, Act 167 of October 4, 1978 (P.L. 864), as amended.

~~C.~~ The Borough Code, Act 37 of 2014/ Title 8 of the Pennsylvania Consolidated Statutes, as amended.

~~C-D.~~ The Stormwater Management Act, Act of October 4, 1978, P.L. 851 (Act 167), 32 P.S. Section 680.1, et seq., as amended.

§26-405. Applicability/Regulated Activities

All Regulated Activities and all activities that may affect stormwater runoff, including Land Development and Earth Disturbance Activities, are subject to regulation by this Ordinance.

Regulated Activities include, but are not limited to:

1. Land development,
2. Subdivisions,
3. Prohibited or polluted discharges,
4. Alteration of the natural hydrologic regime,
5. Construction or reconstruction (Refer to Section 26-414) of or addition of new impervious or semi-pervious surfaces (i.e., driveways, parking lots, roads, etc.), except for reconstruction of roads where there is no increase in impervious surface,
6. Construction of new buildings or additions to existing buildings,
7. Redevelopment,
8. Diversion piping or encroachments in any natural or man-made channel, and
9. Non-structural and structural stormwater management Best Management Practices (BMPs) or appurtenances thereto,
10. Earth disturbance activities of equal to or greater than one thousand (1,000) square feet,
11. Any of the above regulated activities which were approved more than five (5) years prior to the effective date of this Ordinance and resubmitted for municipal approval.

§26-406. Exemptions

- A. Table 26-406.1 summarizes the exemptions from certain requirements in this Ordinance. "Proposed Impervious Surface" in Table 26-406.1 includes new, additional, or replacement impervious surface/cover. "Repaving" existing surfaces without reconstruction (see §26-410) does not constitute replacement. The Borough may deny or revoke any exemption pursuant to this Section at any time for any project that the Borough believes may pose a threat to public health, safety, property or the environment.

Table 26-406.1: Impervious Surface Exemption Thresholds

Ordinance Subpart or Section	Type of Project	< 5,000 sq. ft. Disturbed Area and Proposed Impervious Surface		≥ 5,000 sq. ft. Disturbed Area
		0 to 750 sq. ft.	>750 to 5,000 sq. ft.	
Subpart C SWM Site Plan Requirements	All Development	Exempt	Not Exempt (except residential activity)	Not Exempt
Section 26- 406-107 Nonstructural Project Design	All Development	Exempt	Not Exempt	Not Exempt
Section 26- 406-108 Groundwater Recharge	All Development	Exempt	Not Exempt	Not Exempt
Section 26- 406-109 Volume Control Requirements	All Development	Exempt	Not Exempt	Not Exempt
Section 26- 406-110 Stream Bank Erosion	Development	Exempt	Not Exempt	Not Exempt
	Redevelopment		Exempt	
Section 26- 406-111 Peak Rate Control Requirements	All Development	Exempt	Exempt	Not Exempt
Section 26- 406-116 Erosion and Sediment Pollution Control Requirements	See Table 26-406.2			
Subpart E Inspections	All Development	Exempt	Not Exempt	Not Exempt
Subpart G Maintenance Responsibilities	All Development	Exempt	Not Exempt	Not Exempt

Table 26-406.2: Erosion and Sediment Pollution Control Exemption Thresholds

Disturbed Area	Written E&S Plan	E&S Plan Review for Adequacy by MCCD	E&S Plan Review for Adequacy by the Borough	NPDES Permit	Written PCSM Plan Required
0 – 1,000 sq. ft.	Not required unless in HQ or EV watershed, or is a condition of other State permit	Exempt	Exempt	Exempt	Exempt
1,000 - 5,000 sq. ft.	Required by the Borough	Exempt	Not Exempt	Exempt	Per Table 26-406.1
5,000 sq. ft. to < 1 acre	Required by the Borough	Required by Borough	Not Exempt	Exempt	Per Table 26-406.1
1 acre or greater	Required by MCCD	Required by MCCD	Not Exempt	Not Exempt	Per Table 26-406.1

- B. Agricultural activities are exempt from the peak rate control requirements and 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 peak rate control requirements and SWM Site Plan preparation requirements of this Ordinance provided the activities are performed according to the requirements of 25 Pa. Code Chapter 102.
- D. Any aspect of BMP maintenance to an existing SWM system made in accordance with plans and specification approved by the Borough is exempt.
- E. The use of land for home landscaping and/or gardening for home consumption is exempt from the requirements of this Ordinance.
- F. Exemptions from any provisions of this Ordinance shall not relieve the applicant from the requirements of Section 26-402.4.D through 26-402.4.H.
- G. Infiltration Exemptions
 - a. Depth to Limiting Zone - A minimum of two (2) feet of soil suitable for infiltration must exist between the invert of the infiltration BMP and the top of the nearest limiting zone. Otherwise, the Volume Control requirement shall not be applied to the development site, and the entire volume must be treated.
- H. Hotspots
 - 1. Stormwater Hotspots – Appendix E contains a list of types of hotspots that may be recognized by the Borough. If a site is a potential hotspot, it has important implications for how stormwater is managed. First and foremost, untreated stormwater runoff from hotspots concentrated into a collection system, shall not be recharged into groundwater where it may contaminate water supplies. Therefore, the Volume Control requirement shall NOT be applied to development sites that lie within a hotspot (the entire volume must still be treated). Second, a greater level of stormwater treatment shall be applied at hotspot sites to prevent pollutant washoff after construction. The Environmental Protection Agency’s (EPA) National Pollutant Discharge Elimination System

(NPDES) stormwater program requires some industrial sites to prepare and implement a stormwater pollution prevention plan.

2. Rate of Infiltration - When infiltration is not feasible due to poor infiltration rates or hotspots, the water quality volume must be treated by an approved SMP.

I. Additional Exemption Criteria:

3. Exemption Responsibilities – An exemption shall not relieve the Applicant from implementing such measures as are necessary to protect public health, safety, or property.
4. Drainage Problems – Where drainage problems are documented or known to exist downstream of or could be expected due to the proposed activity, then the Borough may deny exemptions.
5. Exemptions are limited to specific portions of this Ordinance.
6. HQ and EV Streams – The Borough shall deny exemptions in High Quality (HQ) or Exceptional Value (EV) waters and Source Water Protection Areas (SWPA).
7. For a development taking place in stages, the entire development plan must be used in determining compliance with these exemption criteria. The starting point from which to consider tracts as “parent tracts” in which future subdivisions and respective impervious area computations are cumulatively considered shall be the date of the municipal adoption of the original Ambler Borough Stormwater Management Plan Ordinance [Ordinance 984, February 17, 2004].

a. For example: If a property owner proposes a 300-square-foot shed after adoption of the municipal stormwater management ordinance, that property owner would be exempt from site plan and peak rate control requirements. If, at a later date, the property owner proposes to construct a garage and driveway adding an additional 1,300 square feet of impervious surface, the applicant would be required to submit a SWM Site Plan or Small Project SWM Site Plan demonstrating the stormwater control requirements for the total impervious surface of 1,600 square feet.

~~a. 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.~~

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§26-407. Repealer

Any other Ordinances, provisions or regulations of the Borough inconsistent with any of the provisions of this Ordinance are hereby repealed to the extent of the inconsistencies only.

§26-408. 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.

§26-409. Compatibility with Other Ordinances or Legal Requirements

Approvals issued pursuant to this Ordinance 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, including Title 25 PA Code, Chapters 92, 102 and 105.

§26-410. Duty of Persons Engaged in the Development of Land

Notwithstanding any provision(s) of this Ordinance, including exemptions, any landowner or any person engaged in the alteration or development of land that may affect stormwater runoff characteristics shall implement such measures as are reasonably necessary to prevent injury to health, safety, or other property. Such measures also shall include actions as are required to manage the rate, volume, direction, and quality of resulting stormwater runoff in a manner that otherwise adequately protects health, safety, property, and water quality.

§26-411. 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 Borough purporting to validate such a violation.

§26-412. 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 412, 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 delegated county conservation district.

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§26-413. Change of Appendices

The Appendices listed below are incorporated herein by reference, as amended and shall be updated periodically as necessary by Resolution of Borough Council:

1. Appendix A – Stormwater Management Design Criteria
2. Appendix B – Low Impact Development Practices

3. Appendix C – Nonstructural Project Design Checklist
4. Appendix D – Disconnected Impervious Area
5. Appendix E – Hot Spots
6. Appendix F – West Nile Virus Guidance
7. Appendix G – Small Project Stormwater Management Site Plan
8. Appendix H – Operation and Maintenance (O&M) Agreement for Stormwater Management Best Practices (SWM BMPs)

SUBPART B. DEFINITIONS

§26-~~434~~14. 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.

§26-~~434~~15. Definitions

Accelerated Erosion – The removal of the surface of the land through the combined action of man’s activity and natural processes at a rate greater than that which would occur because of the natural process alone.

Agricultural Activities – 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.

Alteration – As applied to land, a change in topography as a result of the moving of soil and rock from one location or position to another; also the changing of surface conditions by causing the surface to be more or less impervious; land disturbance.

Annual Exceedance Probability – See Return Period.

Applicant – A landowner, developer or other person who has filed an application for approval to the Borough of Ambler to engage in any Regulated Activity defined in Section 26-405 above.

As-Built Drawings – Engineering or site drawings maintained by the Contractor as he constructs the project and upon which he documents the actual locations of the building components and changes to the original contract documents. These documents, or a copy of same, are turned over to the Qualified Professional at the completion of the project.

Average Recurrence Interval – See Return Period.

Bankfull – The channel at the top-of-bank, or point from where water begins to overflow onto a floodplain.

Baseflow – Portion of stream discharge derived from groundwater; the sustained discharge that does not result from direct runoff or from water diversions, reservoir releases, piped discharges, or other human activities.

BMP (Best Management Practice) – 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, bio-retention, wet ponds, permeable paving, grassed swales, sand filters, detention basins, and manufactured devices. Structural Stormwater BMPs are permanent appurtenances to the project site.

BMP Manual – Pennsylvania Stormwater Best Management Practices Manual, No. 363 0300 002 (December 2006).

Borough of Ambler – Ambler Borough, Montgomery County, Pennsylvania

Borough Engineer – A professional engineer (PE) licensed as such in the Commonwealth of Pennsylvania, duly appointed as the Engineer for the Borough, planning agency, or joint planning commission.

Buffer – The area of land immediately adjacent to any stream, measured perpendicular to and horizontally from the top-of-bank on both sides of a stream. See: Top-of-bank.

Channel – An open drainage feature through which stormwater flows. Channels include, but shall not be limited to, natural and man-made watercourses, swales, streams, ditches, canals, and pipes that continuously or intermittently convey flowing water.

Channel Erosion – The widening, deepening, or headward cutting of channels and waterways caused by stormwater runoff or bankfull flows.

Cistern – An underground reservoir or tank for storing rainwater.

Conservation District – The Montgomery County Conservation District.

Culvert – A structure with its appurtenant works which carries water under or through an embankment or fill.

Dam – A man-made barrier, together with its appurtenant works, constructed for the purpose of impounding or storing water or another fluid or semifluid. A dam may include a refuse bank, fill, or structure for highway, railroad, or other purposes that impounds or may impound water or another fluid or semifluid.

DEP (or PADEP) – The Pennsylvania Department of Environmental Protection.

Design Professional (Qualified) – A Pennsylvania Registered Professional Engineer, Registered Landscape Architect or Registered Professional Land Surveyor trained to develop stormwater management plans.

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. See also: Return Period.

Detention Basin – An impoundment designed to collect and retard stormwater runoff by temporarily storing the runoff and releasing it at a predetermined rate. Detention basins are designed to drain completely soon after a rainfall event, and to become dry until the next rainfall event.

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

Developer– Any landowner, agent of such landowner or tenant with the permission of such landowner who makes or causes to be made a subdivision of land or a land development or a person who seeks to undertake any Regulated Earth Disturbance Activity at a project site in the Borough of Ambler.

Development – Any human-induced change to improved or unimproved real estate, whether public or private, including, but not limited to, land development, construction, installation, or expansion of a building or other structure, land division, street construction, and site alteration such as embankments, dredging, grubbing, grading, paving, parking or storage facilities, excavation, filling, stockpiling, or clearing. As referenced in this ordinance development includes both new development and redevelopment.

Development Site – The specific area of land where any regulated activity set forth in Section 26-405 is planned, conducted, or maintained. See Also: Project Site

Diameter at Breast Height (DBH) – The outside bark diameter at breast height which is defined as four and one half (4.5) feet (1.37m) above the forest floor on the uphill side of the tree.

Diffused Drainage Discharge – Drainage discharge that is not confined to a single point location or channel, including sheet flow or shallow concentrated flow.

Discharge – 1. (verb) To release water from a project, site, aquifer, drainage basin or other point of interest; 2. (noun) The rate and volume of flow of water such as in a stream, generally expressed in cubic feet per second. See also Peak Discharge.

Discharge Point – The point at which runoff is released from a stormwater facility.

Directly Connected Impervious Area(DCIA) – An impervious or impermeable surface that is directly connected to a stormwater drainage or conveyance system, leading to direct runoff, decreased infiltration, decreased filtration, and decreased time of concentration.

Disconnected Impervious Area (DIA) – An impervious or impermeable surface that is disconnected from any stormwater drainage or conveyance system, and is redirected or directed to a pervious area, which allows for infiltration, filtration, and increased time of concentration as specified in Appendix D: Disconnected Impervious Areas.

Disturbed Areas – Unstabilized land where an earth disturbance activity is occurring or has occurred.

Ditch – A man-made waterway constructed for irrigation or stormwater conveyance purposes.

Drainage Conveyance Facility – A stormwater management facility designed to transport stormwater runoff that includes channels, swales, pipes, conduits, culverts, and storm sewers.

Drainage Easement – A right granted by a landowner to a grantee allowing the use of private land for stormwater management purposes.

Earth Disturbance Activity– A construction or other human activity which disturbs the surface of land including, but not limited to, clearing and grubbing, grading, filling, excavations, embankments, land development, agricultural plowing or tilling, timber harvesting activities, road maintenance activities, mineral or fluid extraction, and the moving, depositing, stockpiling, or storing of soil, rock, or earth materials.

Emergency Spillway – A conveyance area that is used to pass peak discharge greater than the maximum design storm controlled by the stormwater facility.

Encroachment – A structure or activity that changes, expands, or diminishes the course, current, or cross-section of a watercourse, floodway, or body of water.

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

Erosion and Sediment Control Plan – A site-specific plan identifying BMPs to minimize accelerated erosion and sedimentation. For agricultural plowing or tilling activities, the Erosion and Sediment Control Plan is that portion of a Conservation Plan identifying BMPs to minimize accelerated erosion and sedimentation.

Exceptional Value Waters – Surface waters having qualities that satisfy one (1) or more of the conditions established in Pennsylvania Code Title 25 Environmental Protection, Chapter 93, Water Quality Standards, §93.4b(b) and is a surface water of exceptional ecological significance.

Existing Condition – The dominant land cover during the 5-year period immediately preceding a proposed Regulated Activity. If the initial condition of the site is undeveloped land, the land use shall be considered as “meadow” unless the Borough determines that the natural land cover has a lower Curve Number (CN) or Rational “c” value, such as forested lands.

Existing Recharge Area – An undisturbed surface area or depression where stormwater collects, a portion of which infiltrates and replenishes groundwater.

FEMA – Federal Emergency Management Agency.

Flood – A temporary condition of partial or complete inundation of land areas from the overflow of streams, rivers, and other waters of the Commonwealth.

Floodplain – A relatively flat or low land area adjoining a stream, river or watercourse which is subject to partial or complete inundation or any area subject to the unusual and rapid accumulation or runoff of surface waters from any source. ~~The floodplain is per the definition in Section 27-202.1906 of the Borough Zoning Ordinance.~~ ~~the one hundred year floodplain shall be that delineated by HED/PLA in the flood boundary for the Borough of Ambler.~~

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Floodway – The designated area of a floodplain required to carry and discharge flood waters of a given magnitude. ~~The floodway is per the definition in Section 27-202.1906 of the Borough Zoning Ordinance.~~ ~~the floodway shall be capable of accommodating the flood of the one hundred year magnitude.~~

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

Freeboard – A vertical distance between the elevation of the design high-water and the top of a dam, levee, tank, basin, swale, or diversion berm. The space is required as a safety margin in a pond or basin.

Grade – 1. (noun) A slope, usually of a road, channel, or natural ground specified in percent and shown on plans as specified herein. 2. (verb) To finish the surface of a roadbed, the top of an embankment, or the bottom of an excavation.

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

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Groundwater – Water beneath the earth's surface that supplies wells and springs and is within the saturated zone of soil and rock.

Groundwater Recharge – The replenishment of existing natural underground water supplies from precipitation or overland flow.

HEC-HMS – The U.S. Army Corps of Engineers, Hydrologic Engineering Center (HEC) - Hydrologic Modeling System (HMS). This model was used to model the Wissahickon Creek Watershed during the Act 167 plan development and is the basis for the standards and criteria of this Ordinance.

High Quality Waters – Surface waters having qualities that satisfy one (1) or more of the conditions established by Pennsylvania Code Title 25 Environmental Protection, Chapter 93, Water Quality Standards, §93.4b(a) and supports a high quality aquatic community.

Hot Spot – An area where land use or activities generate highly contaminated runoff, with concentrations of pollutants in excess of those typically found in stormwater. Typical pollutant loadings in stormwater may be found in Chapter 8 Section 6 of the Pennsylvania Stormwater Best Management Practices Manual, Pennsylvania Department of Environmental Protection (PADEP) no. 363.0300.002 (2006). More information concerning hot spots may be found in Appendix E.

Hydrograph – A graph representing the discharge of water versus time at a selected point in the drainage system.

Hydrologic Regime – The hydrologic cycle or balance that sustains quality and quantity of stormwater, baseflow, storage, and groundwater supplies under natural conditions.

Hydrologic Soil Group (HSG) – A classification of soils by the Natural Resources Conservation Service, formerly the Soil Conservation Service, into four runoff potential groups. The groups range from 'A' soils, which are highly permeable and have produce less runoff, to 'D' soils, which have lower permeability and produced increased runoff. 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).

Impervious Surface (Impervious Area) – A surface that prevents the infiltration of water into the ground. Impervious surfaces include, but are not limited to, roofs, parking areas, driveways, streets

and sidewalks. Any surface areas designed to be gravel or crushed stone shall be assumed to be impervious surfaces.

Impoundment – A retention or detention basin designed to retain stormwater runoff and release it at a controlled rate.

Infill Development– Development that occurs on smaller parcels that are undeveloped, but are within or in very close proximity to urban or densely developed areas. Infill development usually relies on existing infrastructure and does not require an extension of water, sewer, or other public utilities.

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.

Infiltration Structures – A structure designed to direct runoff into the underground water (e.g., French drains, seepage pits or seepage trenches).

Initial Abstraction (I_a) – The value used to calculate the volume or peak rate of runoff in the soil cover complex method. It represents the combination of the rainfall depths retained on vegetation, stored on the soil surface, and infiltrated prior to the start of runoff.

Inlet – The upstream end of any structure through which water may flow.

Intermittent Stream – A stream that flows only part of the time. Flow generally occurs for several weeks or months in response to seasonal precipitation or groundwater discharge.

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 – Any of the following activities:

- (i) The improvement of one lot or two or more contiguous lots, tracts, or parcels of land for any purpose involving:
 - a. A group of two or more residential or nonresidential buildings, whether proposed initially or cumulatively, or a single nonresidential building on a lot or lots regardless of the number of occupants or tenure, or
 - 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;
- (ii) A subdivision of land;
- (iii) Development in accordance with Section 503(1.1) of the PA Municipalities Planning Code.

Limiting Zone – A soil horizon or condition in the soil profile or underlying a stratum that includes one of the following:

- (i) A seasonal high water table, whether perched or regional, determined by direct observation of the water table or indicated by soil mottling.
- (ii) A rock with open joints, fracture or solution channels, or masses of loose rock fragments, including gravel, with sufficient fine soil to fill the voids between the fragments.

- (iii) A rock formation, other stratum, or soil condition that is so slowly permeable that it effectively limits downward passage of water.

Lot – A designated parcel, tract, or area of land established by a plat or otherwise as permitted by law and to be used, developed, or built upon as a unit.

Low Impact Development (LID) – Site design approaches and small-scale stormwater management practices that promote the use of natural systems for infiltration, evapo-transpiration, and reuse of rainwater. LID can be applied to new development, urban retro fits, 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.

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Main Stem (Main Channel) – Any stream segment or other runoff conveyance used as a reach in the Wissahickon Creek Watershed hydrologic model.

Manning Equation (Manning Formula) – A method for calculation of velocity of flow (e.g., feet per second) and flow or discharge rate (e.g., cubic feet per second) in open channels based upon channel shape, roughness, depth of flow, and slope. “Open channels” may include closed conduits so long as the flow is not under pressure.

MCCD – The Montgomery County Conservation District.

Municipality – Borough of Ambler, Montgomery County, Pennsylvania.

Natural Hydrologic Regime – See Hydrologic Regime.

Nonpoint Source Pollution – Pollution that enters a waterbody from diffuse origins in the watershed and does not result from discernible, confined, or discrete conveyances.

Nonstormwater Discharges – Water flowing in stormwater collection facilities, such as pipes or swales, which are not the result of a rainfall event or snowmelt.

NPDES – National Pollutant Discharge Elimination System, the Federal government’s system for issuance of permits under the Clean Water Act, which is delegated to DEP in Pennsylvania.

NRCS – Natural Resource Conservation Service of the U.S. Department of Agriculture (previously the Soil Conservation Service (SCS)).

Outfall – “Point source” as described in 40 CFR §122.2 at the point where the Borough’s storm sewer system discharges to Surface Waters of the Commonwealth.

Outlet – Points of water disposal to a stream, river, lake, tidewater, or artificial drain.

Parent Tract – The parcel of land from which a land development or subdivision originates, determined from the date of Borough adoption of this Ordinance.

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

Penn State Runoff Model (PSRM) – The computer-based hydrologic model developed at the Pennsylvania State University.

Perennial Stream – A stream which contains water at all times except during extreme drought.

Person – An individual, firm, association, organization, partnership, trust, company, corporation, unit of government, public utility or any other legal entity whatsoever which is recognized by law as the subject of rights and duties.

Pervious Surface – A surface that allows the infiltration of water into the ground.

Pipe – A culvert, closed conduit, or similar structure (including appurtenances) that conveys stormwater.

Planning Commission – The Planning Commission of the Borough of Ambler.

Point Source – Any discernible, confined and discrete conveyance including but not limited to, any pipe, ditch, channel, tunnel or conduit from which stormwater is or may be discharged as defined in State Regulations at 25 PA. Code Section 92.1.

Post Construction – Period after construction during which disturbed areas are stabilized, stormwater controls are in place and functioning, and all proposed improvements in the approved land development plan are completed.

Predevelopment – See Existing Condition.

Pretreatment – Techniques employed in stormwater BMPs to provide storage or filtering to trap coarse materials and other pollutants before they enter the system, but not necessarily designed to meet the water quality volume control requirements (WQ_v) of Section 26-447.429.

Project Site – The specific area of land where any Regulated Earth Disturbance Activities in the Borough of Ambler 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 the Ordinance.

Rational Formula – A rainfall-runoff relation used to estimate peak flow.

Recharge – The replenishment of groundwater through the infiltration of rainfall, other surface waters, or land application of water or treated wastewater.

Record Drawings – Original documents revised to present the as-built conditions and subsequently provided by the Engineer to the Client. The Engineer reviews the Contractor's as-built drawings against his/her own records for completeness, then either turns these over to the Client or transfers the information to a set of reproducible, in both cases for the Client's permanent records. Record drawings are not the same as record plans submitted for recording with the County in accordance with the Municipalities Planning Code (Act 247).

Recurrence Interval – See Return Period.

Redevelopment – Any development that requires demolition or removal of existing structures or impervious surfaces at a site and replacement with new impervious surfaces. Maintenance activities such as top-layer grinding and re-paving are not considered to be redevelopment. Interior remodeling projects and tenant improvements are also not considered to be redevelopment. Utility trenches in streets are not considered redevelopment unless more than 50 percent of the street width, including shoulders, is removed and re-paved.

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.

Release Rate – The percentage of existing conditions peak rate of runoff from a site or subarea to which the proposed conditions peak rate of runoff must be reduced to protect downstream areas.

Repaving – Replacement of an impervious surface that does not involve reconstruction of an existing paved (impervious) surface (e.g., addition of a new layer of asphalt over an existing paved surface).

Replacement Paving – Reconstruction of and full replacement of an existing paved (impervious) surface (e.g., demolition and removal of surface layer, foundation, and base course; and subsequent reconstruction of the entire sequence).

Retention Basin – A structure in which stormwater is stored and not released during the storm event. Retention basins are designed for infiltration purposes, and do not have an outlet. The retention basin must infiltrate stored water in 3 days or less.

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

Return Period (or Average Recurrence Interval) – The average interval, in years, within which a storm event of a given or greater magnitude can be expected to recur. The reciprocal of the return period is the annual exceedance probability of the storm event, that is, the probability that the storm event is equaled or exceeded in any one year period. For example, the 25-year return period rainfall would be expected to recur on the average of once every 25 years, or conversely would have a 1/25 or 4% chance of occurrence or exceedance in any given year.

Riparian Buffer – An area of land adjacent to ~~streams, lakes, ponds and wetlands~~ a body of water and managed to maintain the integrity of stream channels and shorelines to 1) reduce the impact of upland sources of pollution by trapping, filtering, and converting sediments, nutrients, and other chemicals, and 2) supply food, cover and thermal protection to fish and other wildlife.

Road Maintenance – Earth disturbance activities within the existing road cross-section, such as grading and repairing existing unpaved road surfaces, cutting road banks, cleaning or clearing drainage ditches and other similar activities.

Roof Drains – A drainage conduit or pipe that collects water runoff from a roof and leads it away from the structure.

Runoff – Any part of precipitation, as well as any other flow contributions, that flows over the land surface.

SALDO – Subdivision and Land Development Ordinance.

Sediment - Soils or other materials transported by water, air or gravity as a product of erosion.

Sediment Pollution – The placement, discharge, or any other introduction of sediment into the Waters of the Commonwealth.

Sedimentation – The process by which mineral or organic matter is accumulated or deposited by the movement of water, air or gravity. Once this matter is deposited (or remains suspended) it is typically referred to as “sediment”.

Seepage Pit/Seepage Trench – An area of excavated earth filled with loose stone or similar coarse material into which surface water is directed for infiltration into the underground water. More information on Seepage Pits may be found in the PA BMP Manual, December 2006, Chapter 6, Section 4.

Separate Storm Sewer System – A conveyance or system of conveyances (including roads with drainage systems, Borough streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) primarily used for collecting and conveying stormwater runoff.

Shallow Concentrated Flow – Stormwater runoff flowing in shallow, defined ruts prior to entering a defined channel or waterway.

Sheet Flow – A flow process associated with broad, shallow water movement on sloping ground surfaces that is not channelized or concentrated.

Slope – the degree of deviation of a surface plane from the horizontal, usually expressed in percentage, as derived by dividing the vertical distance by the horizontal distance over which the vertical change is measured. A steep slope shall be considered any “slope” with a deviation of fifteen percent (15%) or greater.

Soil Cover Complex Method – A method of runoff computation developed by NRCS that is based on relating soil type and land use/cover to a runoff parameter called curve number (CN).

Source Water Protection Area (SWPA) – The zone through which contaminants, if present, are likely to migrate and reach drinking water wells or surface water intakes.

Special Protection Subwatersheds – Watersheds that have been designated in Pennsylvania Code Title 25 Environmental Protection, Chapter 93 Water Quality Standards as special value (EV) or high quality (HQ) waters.

Spillway – A conveyance that is used to pass the peak discharge of the maximum design storm that is controlled by the stormwater facility.

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.

Storm Frequency – The number of times that a given storm “event” occurs or is exceeded on average in a stated period of years. See: Return Period.

Storm Sewer – A system of pipes and/or open channels that convey intercepted runoff and stormwater from other sources excluding domestic sewage and industrial waste.

Stormwater – The drainage runoff generated by precipitation reaching the ground surface.

Stormwater Management Best Management Practices – Is abbreviated as **BMPs** or **SWM BMPs** throughout this Ordinance.

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

Stormwater Management Plan – The watershed plan or plans for managing those land use activities that will influence stormwater runoff quality and quantity and that would impact the Wissahickon

Creek watershed adopted by Montgomery and Philadelphia Counties as required by the Act of October 4, 1978, P.L. 864 (Act 167)

Stormwater Management (SWM) Site Plan - The plan prepared by the Applicant or the Applicant's representative indicating how stormwater runoff will be managed at a project site to meet the requirements of this Ordinance. Small Project SWM Site Plans may be prepared for certain projects.

Stream - A flow of water in a natural channel or bed either perennial or intermittent. Examples include brooks, creeks, rivulets or small rivers.

Stream Buffer - The land area adjacent to each side of a stream essential to maintaining water quality (see Buffer).

Stream Enclosure - A bridge, culvert, or other structure in excess of one hundred (100) feet in length upstream to downstream which encloses a regulated water of the Commonwealth.

Streambank Erosion - The widening, deepening, or headward cutting of channels and waterways, cause by stormwater runoff or bankfull flows.

Subarea (Subwatershed) - The smallest drainage unit of a watershed for which stormwater management criteria have been established in the Stormwater Management Plan.

Subdivision - As defined in The Pennsylvania Municipalities Planning Code, Act of July 31, 1968, P.L. 805, No. 247. The division or redivision 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 ten acres not involving any new street or easement of access or any residential dwelling shall be exempted. See also: Land Development.

Surface Waters of the 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 water, or parts thereof, whether natural or artificial, perennial or intermittent, within or on the boundaries of this Commonwealth.

Swale - A low-lying stretch of land that gathers or carries surface water runoff.

Timber Operations - See: Forest Management.

Time-of-concentration (Tc) - The time required for surface runoff to travel from the hydraulically most distant point of the watershed to a point of interest within the watershed. This time is the combined total of overland flow time and flow time in pipes or channels, if any.

Top-of-bank - Highest point of elevation in a stream channel cross-section at which a rising water level just begins to flow outside of the channel and over the floodplain.

Vegetated Swale - A natural or man-made waterway, usually broad and shallow, covered in erosion resistant grasses, used to convey surface water.

Vernal Pool - Seasonal depression wetlands that are covered by shallow water for variable periods from winter to spring but may be completely dry for most of the summer and fall.

Watercourse - A channel or conveyance of surface water having defined bed and banks, whether natural or artificial, with perennial or intermittent flow.

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

Watershed – Region or area drained by a river, watercourse or other body of water, whether natural or artificial.

Wet Basin – Pond for urban runoff management that is designed to detain urban runoff and always contains water.

Wetland – Those 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. Wetlands generally include swamps, marshes, bogs, fens and similar areas.

Wissahickon Creek Watershed Act 167 Stormwater Management Plan – The watershed plan for managing those land use activities that will influence stormwater runoff quality and quantity and that would impact the Wissahickon Creek watershed adopted by Montgomery and Philadelphia Counties as required by the Act of October 4, 1978, P.L. 864 (Act 167).

Woods – A natural groundcover with more than one (1) viable tree of a DBH of six (6) inches or greater per fifteen hundred (1,500) square feet which existed for a minimum of three (3) consecutive years.

SUBPART C. Stormwater Management (SWM) Site Plan Requirements

§26-116. SWM Site Plan Contents

The SWM Site Plan shall consist of a general description of the project, including calculations, maps, and plans. A note on the maps shall refer to the associated computations and Erosion and Sediment (E&S) Control Plan by title and date. The cover sheet of the computations and E&S Control Plan shall refer to the associated maps by title and date. All SWM Site Plan materials shall be submitted to the Borough in a format that is clear, concise, legible, neat, and well organized; otherwise, the Borough may not accept the SWM Site Plan for review.

The following items shall be included in the SWM Site Plan:

A. General

1. General description of the project.
2. All stormwater management facilities must be located on a plan and detailed description of proposed stormwater management techniques, including drainage and construction specifications of the materials to be used for the stormwater management facilities.
3. Complete hydrologic, hydraulic, and structural computations for all stormwater management facilities.
4. An erosion and sediment control plan. The applicant is required to obtain a letter of approval or adequacy from the Montgomery County Conservation District for the Erosion and Sediment Control Plan.

5. A general description of proposed nonpoint source pollution controls.
6. The SWM Site Plan Application and completed fee schedule form and associated fee.
7. The SWM Site Plan Checklist.

B. Maps

Prepare an Existing Resource and Site Analysis Map (ERSAM) showing environmentally sensitive areas including, but not limited to, steep slopes, ponds, lakes, streams, wetlands, hydric soils, vernal pools, stream buffers, floodplains, hydrologic soil groups, closed topographic depressions and recharge areas. Land development, existing recharge areas, and any other requirements specifically outlined in the municipal SALDO also shall be included.

Map(s) of the project area shall be submitted on 24-inch x 36-inch sheets and/or shall be prepared in a form that meets the requirements for recording at the offices of the Recorder of Deeds of Montgomery County. Map(s) for a Stormwater Management Plan filed as part of a Land Development Application shall meet the requirements for both the SALDO and this Ordinance. The contents of the map(s) shall include, but not be limited to:

1. The location of the project relative to highways, municipal boundaries, or other identifiable landmarks.
2. Existing contours at intervals of two (2) feet or less. In areas of slopes greater than [10] percent, 5-foot contour intervals may be used.
3. Existing streams, lakes, ponds, or other waters of the Commonwealth within the project area.
4. Other physical features including flood hazard boundaries, stream buffers, existing drainage courses, areas of natural vegetation to be preserved, and the total extent of the upstream area draining through the site.
5. The locations of all existing and proposed utilities, sanitary sewers, and water lines within fifty (50) feet of property lines.
6. A map, which may be provided as an overlay, showing soil names and boundaries.
7. Limits of earth disturbance, including the type and amount of impervious area that is proposed.
8. Proposed structures, roads, paved areas, and buildings.
9. Final contours at intervals of two (2) feet or less. In areas of steep slopes (greater than ten [10]percent), 5-foot contour intervals may be used.
10. The name of the development, the name and address of the owner of the property, and the name of the individual or firm preparing the plan.
11. The date of submission.
12. A graphic and written scale of one (1) inch equals no more than fifty (50) feet; for

tracts of twenty (20) acres or more, the scale shall be one (1) inch equals no more than one hundred (100) feet.

13. A north arrow.
14. The total tract boundary and size with distances marked to the nearest foot and bearings to the nearest degree.
15. Existing and proposed land use(s).
16. A key map showing all existing man-made features beyond the property boundary that would be affected by the project.
17. Location of all open channels.
18. Overland drainage patterns and swales.
19. A 15-foot wide access easement around all stormwater management facilities to provide ingress to and egress from a public right-of-way, where necessary, or appropriate at discretion of the Borough.
20. The location of all erosion and sediment control facilities.
21. A note on the plan indicating the location and responsibility for maintenance of stormwater management facilities that would be located off site. All off-site facilities shall meet the performance standards and design criteria specified in this Ordinance located within this Borough.
22. A statement, signed by the Applicant, acknowledging that any revision to the approved drainage plan must be approved by the Borough, and that a revised erosion and sediment control plan must be submitted to the Borough and Montgomery County Conservation District for approval.
23. The following signature block for the Design Engineer:

“I, (Design Engineer), on this date (date of signature); hereby certify that this drainage plan meets all requirements of the Department of Environmental Protection’s (DEP’s) regulations and this Ordinance.”

C. Supplemental Information to be Submitted to the Borough

1. The following information shall be submitted by the Applicant and shall include:
 - a. The overall stormwater management concept for the project designed.
 - b. Stormwater runoff computations required by this Ordinance.
 - c. Stormwater management techniques to be applied both during and after development.
 - d. Expected project time schedule.
 - e. Development stages or project phases, if so proposed.
 - f. An Operations and Maintenance (O&M) Plan in accordance with Section 26-437 of this Ordinance.

2. A description of the effect of the project (in terms of runoff volumes and peak flows) on adjacent properties and on any existing municipal stormwater collection system that may receive runoff from the project site.
 3. An Approved Highway Occupancy Permit from the Pennsylvania Department of Transportation (PennDOT) District office when drainage towards PennDOT property is proposed.
- D. Stormwater Management Facilities
1. When infiltration measures such as seepage pits, beds, or trenches are used, the locations of existing and proposed septic tank infiltration areas and wells must be shown.
 2. All calculations, assumptions, and criteria used in the design of the stormwater management facilities must be shown.

§26-~~446~~417. Plan Submission

The Borough requires submission of a complete SWM Site Plan, as specified in this Ordinance.

- A. Proof of application or documentation of required permit(s) or approvals for the programs listed below shall be part of the plan:
 1. NPDES Permit for Stormwater Discharges from Construction Activities.
 2. Any other permit under applicable state or federal regulations.
- B. Six (6) copies of the SWM Site Plan shall be submitted and distributed as follows:
 1. Three (3) copies to the Borough accompanied by the requisite Borough fees.
 2. Two (2) copies to the Montgomery County Conservation District.
 3. The Borough Engineer (where applicable).
 4. The Montgomery County Planning Commission will be notified by letter regarding submission of the SWM Plan to the Borough and MCCD, and that no SWM Plan need be submitted to MCPC.
- C. When the SWM Site Plan is associated with a Subdivision and/or Land Development; the submission requirements of the Borough Subdivision and Land Development Ordinance shall be followed.
- D. Any submissions to the agencies listed above that are found to be incomplete shall not be accepted for review and shall be returned to the Applicant with a notification in writing of the specific manner in which the submission is incomplete.
- E. Additional copies shall be submitted as requested by the Borough, Montgomery County Conservation District, or PADEP.

§26-~~447~~418. Small Project Stormwater Management Site Plan

- A. Residential projects proposing less than or equal to 2,000 square feet of impervious surface and less than 5,000 square feet of earth disturbance qualify as a small project. The requirements of a Small Project Stormwater Management Plan are presented in Appendix G.

§26-~~44~~419. Stormwater Management Site Plan Review

- A. The SWM Site Plan must be consistent with this Ordinance. If any submissions are found to be incomplete, the municipalities have the option of notifying the applicant and requesting specific information missing from the submission. The application review clock will not start until the Borough has determined that the submission is complete.
- B. The Stormwater Management (SWM) Site Plan shall be reviewed by a Qualified Professional on behalf of the Borough for consistency with the provisions of this Ordinance. After review, the Qualified Professional shall provide a written recommendation for the Borough to approve or disapprove the SWM Site Plan. If it is recommended to disapprove the SWM Site Plan, the Qualified Professional shall state the reasons for the disapproval in writing. The Qualified Professional also may recommend approval of the SWM Site Plan with conditions and, if so, shall provide the acceptable conditions for approval in writing. The SWM Site Plan review and recommendations shall be completed within the time allowed by the Municipalities Planning Code for reviewing subdivision plans.
- C. The Borough will 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 period is 90 days. If a longer notification period is provided by other statute, regulation, or ordinance, the applicant will be so notified by the Borough. If the Borough disapproves the SWM Site Plan, the Borough shall cite the reasons for disapproval in writing.

§26-~~44~~420. 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 Borough shall require resubmission of the SWM Site Plan in accordance with this Subpart.

§26-~~44~~421. Resubmission of Disapproved SWM Plans

A disapproved SWM Site Plan may be resubmitted, with revisions addressing the Borough's concerns, to the Borough in accordance with this Subpart. The applicable review fee must accompany a resubmission of a disapproved SWM Site Plan.

§26-~~44~~422. Authorization to Construct and Term of Validity

The Borough's approval of an SWM Site Plan authorizes the regulated activities contained in the SWM Site Plan for a maximum term of validity of 5 years following the date of approval. The Borough may specify a term of validity shorter than 5 years in the approval for any specific SWM Site Plan. Terms of validity shall commence on the date the Borough signs the approval for an SWM Site Plan. If an approved SWM Site Plan is not completed according to Section 26-~~44~~423 within the term of validity, the Borough may consider the SWM Site Plan disapproved and may revoke any and all permits. SWM Site Plans that are considered disapproved by the Borough shall be resubmitted in accordance with Section 26-~~44~~421.

§26-423. 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.
- A. 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.
- B. After receipt of the completion certification by the Municipality, the Municipality may conduct a final inspection.

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SUBPART D. STORMWATER MANAGEMENT

§26-~~422~~424. General Requirements

- A. For any of the activities regulated by this Ordinance, unless preparation of a Stormwater Management (SWM) Site Plan is specifically exempted, the preliminary or final approval of subdivision and/or land development plans, the issuance of any building or occupancy permit, the commencement of any earth disturbance activity shall not proceed until the Property Owner or Applicant or his/her agent has received written approval from the Borough of a SWM Site Plan that demonstrates compliance with the requirements of this Ordinance, and a written approval of an adequate Erosion and Sediment (E&S) Control Plan from the Borough or Montgomery County Conservation District, when and as required.
- B. SWM Site Plans approved by the Borough, in accordance with Subpart C, shall be on-site throughout the duration of the Regulated Activity.
- C. The Borough may, after consultation with the Department of Environmental Protection (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. For all regulated earth disturbance activities, Erosion and Sediment (E&S) control Best Management Practices (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 Manual, No. 363-2134-008 (~~1-1-01~~ 15-2000 March 31, 2012), as amended and updated.
- E. For all Regulated Activities, implementation of the volume controls in Section 26-~~422~~429 is required.
- F. Impervious areas:
1. For Land Development:

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- a. 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.
 - b. For development taking place in stages, the entire development plan must be used in determining conformance with this Ordinance.
 - c. The total impervious coverage allowable per the applicable Zoning District must be used in determining conformance with this Ordinance.
- 3.2. For projects that add impervious area to a parcel, the total impervious area within the limits of disturbance is subject to the requirements of this ordinance area.
- G. Stormwater flows onto adjacent property shall not be created, increased, decreased, relocated, or otherwise altered without written notification of the adjacent property owner(s) by the applicant. Such stormwater flows shall be subject to the requirements of this Ordinance.
- H. 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. Create, maintain, repair or extend riparian buffers.
 - c. Avoid erosive flow conditions in natural flow pathways.
 - d. Minimize thermal impacts to waters of the Commonwealth.
 - e. Disconnect impervious surfaces (i.e., Disconnected Impervious Areas, DIAs) by directing runoff to pervious areas, wherever possible. See Appendix D for details on DIAs.
 3. To the maximum extent practicable, incorporate the techniques for Low Impact Development Practices (e.g., protecting existing trees, reducing areas of impervious surface, cluster development, and protecting open space) described in the *Pennsylvania Stormwater Best Management Practices Manual*, Pennsylvania Department of Environmental Protection (PADEP) no. 363-0300-002(2006). See Appendix B for a summary description.
- I. The design of all facilities over karst features shall include an evaluation of measures to minimize adverse effects.
- J. Infiltration BMPs should be dispersed on-site, 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.
- K. 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.
- L. The Design Storms to be used in the analysis of peak rates of discharge are listed in Appendix A: Table A-1.

- M. 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.
- N. Various BMPs and their design standards are listed in the *Pennsylvania Stormwater Best Management Practices Manual* (PA BMP Manual).

§26-~~434~~25. Permit Requirements by Other Governmental Entities

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.

§26-~~424~~26. Erosion and Sediment Pollution Control

- A. No regulated earth disturbance activities within the Borough of Ambler shall commence until approval by the Borough of an Erosion and Sediment Control Plan for construction activities. Where a regulated earth disturbance activity occurs in connection with a subdivision or land development, compliance with this Part shall be a component of the subdivision or land development application.
- B. Approval of Earth Disturbance Activities is required by the Borough per Table 26-406.2.
- C. The Applicant must comply with Title 25 Chapter 102 of the PA Code and any other applicable State, County and Borough codes. PADEP requires an NPDES Construction Activities permit and an engineered Post-Construction SWM Plan for projects proposing earth disturbance greater than 1-acre.
- D. Evidence that the necessary permit(s) for regulated earth disturbance activities have been received from the appropriate PADEP regional office or the MCCD must be provided to the Borough.
- E. A copy of the approved Erosion and Sediment Control Plan and any applicable permits, as required by DEP regulations, shall be available at the project site at all times.
- F. Additional erosion and sediment control standards and criteria are recommended to be applied where infiltration BMPs are proposed. They shall include the following:
 - 1. Areas proposed for infiltration BMPs shall be protected from sedimentation and compaction during the construction phase to maintain maximum infiltration capacity.
 - 2. Infiltration BMPs shall not be constructed nor receive runoff, until the entire drainage areas tributary to the infiltration BMPs have achieved final stabilization.

§26-~~426~~27. Nonstructural Project Design to Minimize Stormwater Impacts

The design of all regulated activities should include the following to minimize stormwater impacts:

(See Appendix C for a Nonstructural Project Design Checklist.)

- A. The Applicant should find practicable alternatives to the surface discharge of stormwater, the creation of impervious surfaces, and the degradation of waters of the Commonwealth and must maintain as much as possible the natural hydrologic regime of the site.

- B. An alternative is practicable if it is available and capable of implementation after taking into consideration existing technology and logistics in light of overall project purposes and other municipal requirements.

§26-~~46.128~~. Groundwater Recharge

Infiltration Best Management Practices (BMPs) shall meet the following minimum requirements unless the site qualifies for an exemption from the infiltration requirements of this ordinance as listed in Section 26-406:

1. Infiltration BMPs intended to receive runoff from developed areas shall be selected based on suitability of soils and site conditions (See Table A-6 in Appendix A for a list of Infiltration BMPs). Infiltration BMPs shall be constructed on soils that have the following characteristics:
 - a. A minimum soil depth of twenty-four (24) inches between the bottom of the infiltration BMPs and bedrock or seasonally high water table.
 - b. An infiltration rate sufficient to accept the additional stormwater load and dewater completely as determined by field tests. A minimum of 0.2 inches/hour (in/hr) shall be utilized and for acceptable rates a safety factor of 50% should be applied for design purposes (e.g., for soil which measured 0.4 in/hr, the BMP design should be 0.2in/hr to ensure safe infiltration rates after construction.)
 - c. All open-air infiltration facilities shall be designed to completely infiltrate the runoff volume within three (3) days (72 hours) from the start of the design storm.
 - d. All subsurface and contained facilities such as capture-and-reuse systems must have storage available equivalent to the Water Volume Control amount.
 - e. Pretreatment (See Section 26-~~44-49.15~~) shall be provided prior to infiltration.
2. Soils - A detailed soils evaluation of the project site shall be prepared for all regulated activities and to determine the suitability for infiltration facilities. The evaluation shall be performed by a Qualified Professional, and, at a minimum, address soil permeability, depth to bedrock, and subgrade stability. The general process for designing an infiltration BMP shall be:
 - a. Analyze hydrologic soil groups as well as natural and man-made features within the site to determine general areas of suitability for infiltration practices. In areas where development on fill material is under consideration, conduct geotechnical investigations of sub-grade suitability; infiltration may not be ruled out without conducting these tests.
 - b. Perform field tests, such as double ring infiltrometer or hydraulic conductivity tests (at the level of the proposed infiltration surface) to determine the appropriate hydraulic conductivity rate. Percolation tests are not accepted for design purposes.
 - c. Design the infiltration structure based on field determined capacity at the level of the proposed infiltration surface and based on a safety factor of 50%.

- d. If on-lot infiltration structures are proposed, it must be demonstrated to the Borough that the soils are conducive to infiltrate on the lots identified.
 - e. An impermeable liner shall be required in detention basins where the possibility of groundwater contamination exists. A detailed hydrogeologic investigation may be required by the Borough.
3. The infiltration facility shall be sized based upon the following volume criteria:
Where practicable and appropriate the recharge volume shall be infiltrated on site. The recharge volume shall be equal to one inch of runoff (I) over all proposed impervious surfaces.

The Re_v required shall be computed as:

$Re_v = (1 \text{ inch}/12 \text{ inches}) * (I)$

Where:
 Re_v = Recharge Volume (cubic feet)
 I = Impervious Area (square feet) (per 26-~~427.4~~24.F)

An asterisk (*) in equations denotes multiplication.

§26-~~427.4~~29. Volume Control

The low impact development practices provided in the BMP Manual shall be utilized for all regulated activities to the maximum extent practicable. 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 to or less than one (1) 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 (1) acre must use the Design Storm Method.

- A. The *Design Storm Method* (CG-1 in the BMP Manual) is applicable to any size of regulated activity. This method requires detailed modeling based on site conditions.
 - 1. The post-development total runoff volume for all storms equal to or less than the 2-year, 24-hour storm event shall not be increased.
 - 2. For modeling purposes:
 - a. Existing (predevelopment) nonforested pervious areas must be considered meadow.
 - b. Twenty (20) percent of existing impervious area, when present, shall be considered meadow in the model for existing conditions.
- B. The *Simplified Method* (CG-2 in the BMP Manual) 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 (1) 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) = (2/12) * Impervious Surfaces (square feet)
2. At least the first one (1) 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 the Commonwealth. Removal options include reuse, evaporation, transpiration, and infiltration.
Volume (cubic feet) = (1/12) * Impervious Surfaces (square feet)
3. Wherever possible, infiltration facilities should be designed to accommodate infiltration of the entire permanently removed runoff; however, in all cases at least the first half (0.5) inch of the permanently removed runoff should be infiltrated.
4. This method is exempt from the requirements of Section 26-~~420431~~, Peak Rate Controls.

§26-~~420430~~. Stream Bank Erosion (Channel Protection)

- A. If a perennial or intermittent stream passes through the site, the Applicant shall install either of the following options.
 1. A riparian buffer extending a minimum of ten (10) feet to either side of the top-of-bank of the channel. The buffer area shall be established and maintained in an undisturbed state. This buffer area may be maintained as a meadow with minimal mowing of the grassed area, or as a forested buffer, being planted with appropriate native vegetation (refer to Appendix B of the BMP Manual for plant lists). If an existing buffer is legally prescribed (i.e., deed, covenant, easement, etc.) and it exceeds the requirements of this Ordinance, the existing buffer shall be maintained. This does not include lakes or wetlands.
 2. Another option or options among available best management practices within the BMP Manual, design standards and alternatives that collectively are substantially equivalent to a riparian buffer in effectiveness, to reduce runoff in a volume equivalent to the volume reduction of a riparian buffer described above.
- B. Applicants shall adhere to the following Stream Bank Erosion/Channel Protection Requirements:
 1. In addition to the control of water quality volume (in order to minimize the impact of stormwater runoff on downstream stream bank erosion), the primary requirement is to design a BMP to detain the proposed conditions 2-year, 24-hour storm event to the existing conditions 1-year flow using the SCS Type II distribution. Additionally, provisions shall be made (such as adding a small orifice at the bottom of the outlet structure or a sand filter) so that the proposed conditions 1-year, 24-hour storm event takes a minimum of twenty-four (24) hours to drain from the facility from a point when the maximum volume of water from the 1-year, 24-hour storm event is captured (i.e., the maximum water surface elevation is achieved in the facility). Release of water can begin at the start of the storm (i.e., the invert of the water volume control orifice is at the invert of the facility).

2. The minimum orifice diameter in the outlet control structure shall be three (3) inches, in addition a trash rack shall be installed to prevent clogging. On sites with drainage areas that do not provide enough runoff volume to allow a 24-hour attenuation with the 3-inch orifice, orifice sizes less than three (3) inches can be utilized, provided that the design will prevent clogging of the intake. It is recommended that the design, to accommodate maintenance, include a replaceable and/or porous media filter cartridges.

§26-~~429~~431. Stormwater Peak Rate Control and Management Districts

- A. Standard for managing runoff from each subarea in the Watershed for the 2-, 5-, 10-, 25-, 50-, and 100-year design storms are shown in Table 26-417.1 below.

TABLE 26-~~429~~431.1

**PEAK RATE CONTROL STANDARDS BY
STORMWATER MANAGEMENT DISTRICT IN THE
WISSAHICKON CREEK WATERSHED**

District	Proposed Condition Design Storm	Existing Condition Design Storm
B	2-year 5-year 10-year 25-year 50-year 100-year	Reduce to 1-year 2-year 5-year 10-year 25-year 50-year

- B. Off-site Areas – When calculating the allowable peak runoff rates, developers do not have to account for runoff draining into the subject development site from an off-site area. On-site drainage facilities shall be designed to safely convey off-site flows through the development site.
- C. Site Areas – The stormwater management site area is the only area subject to the management district criteria. Non-impacted areas or non-regulated activities bypassing the stormwater management facilities would not be subject to the management district criteria.
- D. Alternate Criteria for Redevelopment Sites - For redevelopment sites, one of the following minimum design parameters shall be accomplished, whichever is most appropriate for the given site conditions as determined by the Borough;
 1. Meet the full requirements specified by Table 26-~~429~~431.1 and Section 26-~~429~~432.A through Section 26-~~429~~432.J.
 - or
 2. Reduce the total impervious surface on the site by at least twenty (20) percent based upon a comparison of existing impervious surface to proposed impervious surface.

- E. Stormwater Control Measures which increase storage or infiltration volume, and which are not associated with new land development or redevelopment activity that increases runoff volume above existing levels, are exempt from the peak rate requirements of this ordinance, so long as peak outflow is not increased.

§26-4012. Calculation Methodology

- A. The following criteria shall be used for runoff calculations:
1. For development sites not considered redevelopment, the ground cover used to determine the existing conditions runoff volume and flow rate shall be as follows:
 - i. Wooded sites shall use a ground cover of "woods in good condition." A site is classified as wooded if a continuous canopy of trees exists over a ¼ acre.
 - ii. The undeveloped portion of the site including agriculture, bare earth, and fallow ground shall be considered as "meadow in good condition," unless the natural ground cover generates a lower curve number (CN) or Rational "c" value (i.e., woods) as listed in Tables A-4 or A-7 in Appendix A.
 2. For development and redevelopment sites, the ground cover used to determine the existing conditions runoff volume and flow rate for the developed portion of the site shall be based upon actual land cover conditions. If the developed site contains impervious surfaces, 20 percent of the impervious surface area shall be considered meadow in the model for existing conditions.
- B. Stormwater runoff peak discharges from all development sites with a drainage area of greater than 2 acres shall be calculated using a generally accepted calculation technique that is based on the NRCS Soil Cover Complex Method. Table 26-4012.1 summarizes acceptable computation methods. The method selected by the Qualified Professional shall be based on the individual limitations and suitability of each method for a particular site. The Borough may allow the use of the Rational Method ($Q=CIA$) to estimate peak discharges from drainage areas that contain less than 2 acres.
- Q = Peak flow rate, cubic feet per second (CFS)
C = Runoff coefficient, dependent on land use/cover
I = Design rainfall intensity, inches per hour
A = Drainage Area, acres.
- C. All calculations consistent with this ordinance using the Soil Cover Complex Method shall use the appropriate design rainfall depths for the various return period storms according to Table A-1 in Appendix A. If a hydraulic computer model such as PSRM or HEC-1/ HEC-HMS is used for stormwater runoff calculations, then the duration of rainfall shall be 24-hours.

TABLE 26-430.132.1
Acceptable Computation Methodologies for Stormwater Management Plans

METHOD	METHOD DEVELOPED BY	APPLICABILITY
TR-20 (or commercial computer package based on TR-20)	USDA NRCS	Applicable where use of full hydrology computer model is desirable or necessary
TR-55 (or commercial computer package based on TR-55)	USDA NRCS	Applicable for land development plans within limitations described in TR-55.
HEC-1/ HEC-HMS	US Army Corps of Engineers	Applicable where use of full hydrologic computer model is desirable or necessary.
PSRM	Penn State University	Applicable where use of full hydrologic computer model is desirable or necessary, simpler than TR-20 or HEC-1.
Rational Method (or commercial computer package based on Rational Method)	Emil Kuchling(1889)	Peak Discharge only for sites less than 2 acres or as approved by the Borough and/or Borough Engineer
Other Methods	Varies	Other computation methodologies approved by the Borough and/or Borough Engineer

- D. All calculations using the Rational Method shall use rainfall intensities consistent with appropriate times-of-concentration for overland flow and return periods from Table A-1 in Appendix A. 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 or replaced from time to time by NRCS). Times-of-concentration for channel and pipe flow shall be computed using Manning's equation.
- E. Runoff Curve Numbers (CN) for both existing and proposed conditions to be used in the soil cover complex method shall be based on Table A-4 in Appendix A.
- F. Runoff coefficients (C) for both existing and proposed conditions for use in the Rational Method shall be consistent with Table A-7 in Appendix A.
- G. Runoff from proposed sites graded to the subsoil will not have the same runoff conditions as the site under existing conditions because of soil compaction, even after top-soiling or seeding. The proposed condition "CN" or "C" shall increase by 5% to better reflect proposed soil conditions.
- H. The Manning equation is preferred for one-dimensional, gradually-varied, open channel flow. In other cases, appropriate, applicable methods should be employed; however, early coordination with the Borough is necessary.

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- I. Outlet structures for stormwater management facilities shall be designed to meet the performance standards of this Ordinance using the generally accepted hydraulic analysis technique or method of the Borough.
- J. The design of any stormwater detention facilities intended to meet the performance standards of this Ordinance shall be verified by routing the design storm hydrograph through these facilities using the Storage-Indication Method. The design storm hydrograph shall be computed using an acceptable calculation method (Table 26-427.1) that produces a full hydrograph. The Borough may approve the use of any generally accepted full hydrograph approximation technique that shall use a total runoff volume that is consistent with the volume from a method that produces a full hydrograph.

§26-~~424.33~~. Other Requirements

- A. Hot Spots
 - 1. The use of infiltration BMPs is prohibited on hot spot land use areas. Examples of hot spots are listed in Appendix E.
 - 2. Stormwater runoff from hot spot land uses shall be pretreated. In no case may the same BMP be employed consecutively to meet this requirement. Guidance regarding acceptable methods of pre-treatment is located in Appendix E.
- B. West Nile Guidance Requirements

All wet basin designs shall incorporate controls consistent with the West Nile Guidance found in Appendix F.

SUBPART E. Inspections

§26-~~432.34~~. Inspections

- A. The Borough shall inspect all phases of the installation of the Best Management Practices (BMPs) and/or stormwater management (SWM) facilities as deemed appropriate by the Borough.
- B. During any stage of the work, if the Borough determines that the BMPs and/or stormwater management (SWM) facilities are not being installed in accordance with the approved SWM plan, the Borough, shall revoke any existing permits or other approvals and issue a cease and desist order until a revised SWM Site Plan is submitted and approved, as specified in this Ordinance, and until the deficiencies are corrected.
- C. A final inspection of all BMPs and/or SWM facilities shall be conducted by the Borough to confirm compliance with the approved Stormwater Management Site Plan prior to the issuance of any Occupancy Permit.
- D. The applicant and/or 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, which were reviewed and received approval by the Borough, shall be submitted to the Borough.

- E. The as-built submission shall include a certification of completion signed and sealed by a Qualified Professional verifying that all permanent SWM BMPs have been constructed according to the approved plans and specifications. If any Qualified Professionals contributed to the construction plans, they must sign and seal the completion certificate.
- F. Final plans based upon the Record Drawings must be submitted to the Borough for the project to be eligible for the issuance of a Certificate of Occupancy.

SUBPART F. FEES AND EXPENSES

§26-~~434~~435. Stormwater Management Site Plan Review and Inspection Fee

Fees shall be established by the Borough to cover plan review and construction inspection costs incurred by the Borough. All fees shall be paid by the Applicant. A review and inspection fee schedule shall be established by Resolution of Borough Council. The Borough may periodically update the fee schedule to ensure that its costs are adequately reimbursed.

§26-~~434~~436. Expenses Covered by Fees

The fees authorized by this Ordinance (unless otherwise waived by the Borough) shall, at a minimum, cover:

- A. Borough Administrative Costs.
- B. Borough Legal Costs.
- C. Borough Engineering Costs.
- D. The review of the Stormwater Management Site Plan by the Borough.
- E. The review of As-Built Drawings.
- F. Site Inspections.
- G. The inspection of SWM facilities and drainage improvements during construction.
- H. The final inspection at the completion of the construction of the SWM facilities and drainage improvements presented in the SWM Site Plan.
- I. Any additional work required to enforce any permit provisions regulated by this Ordinance, correct violations, and assure proper completion of stipulated remedial actions.

SUBPART G. MAINTENANCE RESPONSIBILITIES

§26-~~436~~437. Performance Guarantee

- A. For subdivisions and land developments, the Applicant shall provide a financial guarantee to the Borough for the timely installation and proper construction of all stormwater management (SWM) facilities as:
 - 1. Required by the approved SWM Site Plan equal to or greater than the full construction cost of the required controls; or
 - 2. The amount and method of payment provided for in the Subdivision and Land Development Ordinance.

- B. For other regulated activities, the Borough shall require a financial guarantee from the Applicant.

§26-~~436~~438. Responsibilities for Operation and Maintenance of Stormwater Facilities and BMPs

- A. The owner of any land upon which stormwater facilities and BMPs will be placed, constructed, or implemented, as described in the stormwater facility and BMP Operations and Maintenance (O&M) plan, shall record the following documents in the Office of the Recorder of Deeds for Montgomery County, ~~within ninety (90) days~~ prior to final approval of the stormwater facility and BMP O&M plan by the Borough:

1. The O&M plan, or a summary thereof,
2. O&M agreements under Section 26-~~438~~440, and
3. Easements under Section 26-439.

The developer or builder shall immediately notify the Borough Secretary of the book and page wherein said documents are recorded and shall supply a copy of the recorded documents. If such information is not received within 100 days of the approval of the stormwater facility and BMP O&M plan by the Borough, the stormwater facilities and BMP O&M plan shall not be considered an approved plan for the purpose of this Subpart. Additional Operation and Maintenance Agreement guidance can be found in Appendix H.

- B. The Borough may suspend or revoke any approvals granted for the project site upon discovery of failure on the part of the owner to comply with this section.
- C. The following items shall be included in the Stormwater Facility and BMP O&M Plan:

1. Map(s) of the project area, in a form that meets the requirements for recording at the offices of the Recorder of Deeds of Montgomery County, and shall be submitted on 24-inch x - 36-inch sheets. The contents of the maps(s) shall include, but not be limited to:
 - i. Clear identification of the location and nature of stormwater facilities and BMPs.
 - ii. The location of the project site relative to highways, Borough boundaries or other identifiable landmarks.
 - iii. Existing and final contours at intervals of two (2) feet, or others as appropriate.
 - iv. Existing streams, lakes, ponds, or other bodies of water within the project site area.
 - v. Other physical features including flood hazard boundaries, sinkholes, streams, existing drainage courses, and areas of natural vegetation to be preserved.
 - vi. The locations of all existing and proposed utilities, sanitary sewers, and water lines on site and within 50 feet of property lines of the project site.
 - vii. Proposed final changes to the land surface and vegetative cover, including the type and amount of impervious area that would be added.
 - viii. Proposed final structures, roads, paved areas, and buildings, and

- ix. A twenty (20)-foot-wide access easement around all stormwater facilities and BMPs that would provide ingress to and egress from a public right-of-way.
- 2. A description of how each stormwater facility and BMP will be operated and maintained, and the identity and contact information associated with the person(s) responsible for O&M.
- 3. The name of the project site, the name and address of the owner of the property, and the name of the individual or firm preparing the plan, and
- 4. A statement, signed by the facility owner, acknowledging that the stormwater facilities and BMPs are fixtures that can be altered or removed only after approval by the Borough.
- D. The Stormwater Facility and BMP O&M Plan for the project site shall establish responsibilities for the continuing O&M of all stormwater facilities and BMPs, as follows:
 - 1. If a plan includes structures or lots which are to be separately owned and in which streets, sewers and other public improvements are to be dedicated to the Borough, stormwater facilities and BMPs may also be offered for dedication to and maintained by the Borough.
 - 2. If a plan includes O&M by single ownership, or if sewers and other public improvements are to be privately owned and maintained, the O&M of stormwater facilities and BMPs shall be the responsibility of the owner or private management entity.
- E. The Borough shall make the final determination on the continuing O&M responsibilities. The Borough reserves the right to accept or reject the O&M responsibility for any or all of the stormwater facilities and BMPs.
- F. Facilities, areas, or structures used as BMPs shall be enumerated as permanent real estate appurtenances and recorded as deed restrictions or conservation easements that run with the land.
- G. The O&M Plan shall be recorded as a restrictive deed covenant that runs with the land.
- H. The Borough may take enforcement actions against an owner for any failure to satisfy the provisions of this Subpart and this Ordinance.

§26-~~437~~439. Borough Review of Stormwater Facilities and BMP Operations & Maintenance Plan

- A. The Borough shall review the Stormwater Facilities and BMP O&M Plan for consistency with the purposes and requirements of this ordinance, and any permits issued by PADEP.
- B. The Borough shall notify the Applicant in writing whether the Stormwater Facility and BMP O&M Plan is approved.
- C. The Borough shall require a "Record Drawing" of all stormwater facilities and BMPs.

§26-~~438~~440. Operation and Maintenance Agreement for Privately Owned Stormwater Facilities and BMPs

- A. The owner shall sign an O&M agreement with the Borough covering all stormwater facilities and BMPs that are to be privately owned. The O&M agreement shall be transferred with transfer of ownership. The agreement shall be subject to review and approval by the Borough.

- B. Other items may be included in the agreement where determined necessary to guarantee the satisfactory O&M of all stormwater facilities and BMPs. The O&M Agreement shall be subject to the review and approval of the Borough.
- C. The owner is responsible for O&M of the SWM BMPs. If the owner fails to adhere to the O&M Agreement, the Borough may perform the services required and charge the owner appropriate fees. Nonpayment of fees may result in a lien against the property.

§26-439.141. Stormwater Management Easements

- A. The owner must obtain all necessary real estate rights to install, operate, and maintain all stormwater facilities in the SWM Site Plan and the O&M Plan.
- B. The owner must provide the Borough easements, or other appropriate real estate rights, to perform inspections and maintenance for the preservation of stormwater runoff conveyance, infiltration, and detention areas.

SUBPART II. PROHIBITIONS

§26-440.142. 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, or wash water to enter a regulated small MS4 or to enter the surface waters of the Commonwealth is prohibited. Any connections to the storm drain system from indoor drains and sinks also are prohibited.
- B. No person shall allow, or cause to allow, discharges a regulated small MS4 or discharges into surface waters of the Commonwealth which are not composed entirely of stormwater, except (1) as provided in subsection C below, and (2) discharges allowed under a state or federal permit.
- C. The following discharges are authorized unless they are determined to be significant contributors to pollution to a regulated small MS4 or to the waters of the Commonwealth:
 1. Discharges from firefighting activities,
 2. 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; irrigation drainage,
 4. Non-contaminated HVAC condensation and water from geothermal systems; air conditioning condensate,
 5. Diverted stream flows and springs; Springs,
 6. Non-contaminated pumped ground water and water from foundation and footing drains and crawl space pumps; Water from crawl space pumps,
 7. Flows from riparian habitats and wetlands,
 8. Uncontaminated water from foundations, or footing drains,
 9. Lawn watering.

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~~10. Dechlorinated swimming pool discharges (per PA/DEP requirements).~~

~~11. Uncontaminated groundwater.~~

~~12-7. Residential (i.e., not commercial) vehicle wash water where cleaning agents are not utilized; Water from individual residential car washing, and/or~~

~~13-8. Non-contaminated hydrostatic test water discharges, if such discharges do not contain detectable concentrations of TPC; Routine external building wash down (which does not use detergents or other compounds.)~~

- D. In the event that the Borough or DEP determines that any of the discharges identified in Subsection C significantly contribute pollutants to a regulated small MS4 or to the surface waters of this Commonwealth, the Borough or DEP will notify the responsible person(s) to cease the discharge.

~~§26-4143.~~ **Roof Drains**

- A. Roof Drains and sump pumps shall not be connected to sanitary sewers.
- B. Roof drains and sump pumps shall discharge to infiltration or vegetative BMPs to the maximum extent practicable.
- C. Roof drains and sump pumps may be connected to streets, storm sewers or roadside ditches only when permitted by the Borough.

~~§26-4244.~~ **Alteration of Stormwater Management BMPs**

- A. No person shall modify, remove, fill, landscape, or alter any existing Stormwater Management BMPs, facilities, areas or structures unless it is part of an approved maintenance program and written approval of the Borough has been obtained.
- B. No person shall place any structure, fill, landscaping, or vegetation into a stormwater facility or BMP or within a drainage easement which would limit or alter the functioning of the stormwater facility or BMP without the written approval of the Borough.

SUBPART I. ENFORCEMENT AND PENALTIES

~~§26-4345.~~ **Right-of-Entry**

- A. Upon presentation of proper credentials, duly authorized Borough representatives may enter at reasonable times upon any property within the Borough to inspect the implementation, condition, or operation and maintenance of the stormwater facilities or Best Management Practices (BMPs) in regard to any aspect governed by this Ordinance.
- B. Landowners with stormwater facilities and BMPs on their property shall allow persons working on behalf of the Borough ready access to all parts of the premises for the purposes of determining compliance with this Ordinance.
- C. Persons working on behalf of the Borough shall have the right to temporarily locate on any stormwater facility or BMP in the Borough such devices as are necessary to conduct monitoring and/or sampling of the discharges from such stormwater facilities or BMP.

§26-144.46. Inspection

Stormwater Management (SWM) Best Management Practices (BMPs) should be inspected for proper operation by the landowner, or the owner's designee (including the Borough for dedicated and owned facilities), according to the following list of minimum frequencies:

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 event, and/or,
4. As specified in the Operations and Maintenance (O&M agreement).

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.

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§26-145.147. Enforcement

All inspections regarding compliance with the Stormwater Management (SWM) Site Plan and this Ordinance shall be the responsibility of the Borough.

- A. Public nuisance.
 1. The violation of any provision of this section is hereby deemed a public nuisance.
 2. Each day that a violation continues shall constitute a separate violation.
- B. Whenever the Borough finds that a person has violated a prohibition or failed to meet a requirement of this Ordinance, the Borough may order compliance by notifying the responsible person. Such notice may, without limitation, include the following remedies:
 1. Performance of monitoring, analyses, and reporting;
 2. Elimination of prohibited connections or discharges;
 3. Cessation of any violating discharges, practices, or operations;
 4. Abatement or remediation of stormwater pollution or contamination hazards and the restoration of any affected property;
 5. Payment of a fine to reimburse administrative and remediation costs;
 6. Implementation of stormwater controls and BMPs; and
 7. Operation and Maintenance (O&M) of stormwater facilities and BMPs.
- C. Such notification shall set forth the nature of the violation(s) and establish a time limit for correction of those violations(s). Said notice may further advise that, if applicable, should the violator fail to take the required action within the established deadline, the work may be done by the Borough and the expenses may be charged to the violator.

- D. Failure to comply within the time specified may subject a violator to the penalty provisions of this Ordinance. All such penalties shall be deemed cumulative and shall not prevent the Borough from pursuing other remedies available in law or equity.

§26-~~446~~448. Suspension and Revocation of Permits and Approvals

- A. Any building, land development or other permit or approval issued by the Borough may be suspended or revoked, in whole or in part, by the Borough 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
 3. The creation of any condition or the commission of any act during construction or development which constitutes or creates a hazard, nuisance, pollution, or endangers the life or property of others.
- B. A suspended permit may be reinstated by the Borough when:
1. The Borough has inspected and approved the corrections to the stormwater facilities and BMPs or the elimination of the hazard or nuisance, and;
 2. The Borough is satisfied that all applicable violations in this Ordinance have been corrected.
- C. Any permit or approval that has been revoked by the Borough cannot be reinstated. The Applicant may apply for a new permit under the procedures outlined in this Ordinance.

§26-~~447~~449. Penalties

- A. Any person, firm or corporation who shall violate any provision of this Part shall, upon conviction thereof, be sentenced to pay a fine of not more than \$1,000 plus costs and, in default of payment of said fine and costs, to a term of imprisonment not to exceed 30 days. Each day of noncompliance constitutes a separate violation.
- B. In addition, the Borough 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.

§26-~~448~~450. Appeals

- A. Any person aggrieved by any action of the Borough or its designee, relevant to the provisions of this Ordinance, may appeal to the appropriate judicial or administrative body according to applicable Pennsylvania Law.
- B. Any person aggrieved by any decision of the Borough, relevant to the provisions of this Ordinance, may appeal to the County Court of Common Pleas in the county where the activity has taken place within 30 days of the Borough's decision.

This ordinance is effective on the earliest date provided for in section 3301.3(b) of the Pennsylvania Borough Code.

SO ORDAINED this ____ day of _____, 2017.

Glynnis Siskind-Salvatore-Pasceri, Council President

ATTEST: _____

Mary Aversa, Secretary

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APPROVED: _____

Jeanne Sorg, Mayor

Public Safety Committee

August 2, 2022

Jen Henderson- Chair

Erin Endicott

Nellie Forst

Amy Hughes

OLD BUSINESS

NEW BUSINESS

1. **PUBLIC WORKS & CODE REPORT**

The Code Enforcement and the Public Works reports are **attached**.

Borough of Ambler Code Enforcement Report for July 2022

PERMITS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Building	9	9	19	11	22	24	8						102
Dumpster	0	1	3	2	4	7	2						19
Fire	0	0	0	1	2	0	0						3
Mechanical	4	2	7	2	4	5	5						29
Plumbing	6	2	9	3	7	7	6						40
Road Opening	1	2	3	2	2	0	0						10
Use and Occupancy	0	1	1	2	0	0	3						7
Vendor Sales	0	0	0	0	0	0	0						0
Zoning	2	0	4	3	4	8	4						25
Rental Inspections	1	0	43	84	28	0	2						157
TOTALS	22	17	89	110	73	51	30						392

* The Borough Bi-Annual Rental Inspection Program was temporarily paused again in late December 2021 due to an increase in COVID-19 cases. The Borough resumed the inspection program in late February.

Public Utilities Committee

August 2, 2022

Haley Welch- Chair

Erin Endicott

Karen Sheedy

Amy Hughes

OLD BUSINESS

NEW BUSINESS

1. **WWTP ENGINEER REPORT**

The WWTP Engineer's report will be provided.

2. **PFAS SAMPLING**

The Water Dept. has completed July 2022 sampling in the distribution system for PFAS. The contracted lab will analyze the samples and the Water Engineer will review the data. Results will be posted on the Borough website. The Water Dept. will continue to take quarterly samples.

Parks & Recreation Committee

August 2, 2022

Erin Endicott- Chair

Haley Welch

Jen Henderson

Lisa Auerbach

OLD BUSINESS

NEW BUSINESS

1. **ORDINANCE 1126 – SINGLE USE PLASTICS**

A Public Hearing has been advertised for August 16th at 7:00 p.m. to receive public comment on proposed Ordinance 1126 - Single Use Plastics. At that time Council may consider voting to adopt the Ordinance. **(attached)**

2. **YOGA IN THE PARK**

Registered Yoga Teacher Dan Rosenak will offer residents a free yoga session at Knights Park on Saturday, August 13 from 9-10 a.m. A yoga mat and appropriate attire are required. Additional activities are being considered, including movie nights and Teen Nights. **(attached)**

THE BOROUGH OF AMBLER, MONTGOMERY COUNTY, PA

ORDINANCE NUMBER 1126

AN ORDINANCE OF THE BOROUGH OF AMBLER REGULATING THE COMMERCIAL USE OF SINGLE USE PLASTICS AND EXPANDED POLYSTYRENE (STYROFOAM), TO BE CODIFIED AT CHAPTER 13 IN THE BOROUGH CODIFIED ORDINANCES AS A NEW PART 9 THEREOF; DEFINING PLASTICS AND EXPANDED POLYSTYRENE PRODUCTS THAT ARE WITHIN THE SCOPE OF THE ORDINANCE; PROHIBITING THE USE OF CERTAIN PLASTICS AND EXPANDED POLYSTYRENE PRODUCTS BY RETAIL ESTABLISHMENTS PROVIDING PACKAGING TO CUSTOMERS; PROVIDING EXEMPTIONS AND A MECHANISM FOR ALLOWING HARDSHIP CLAIMS; PROVIDING PENALTIES FOR VIOLATION; INCLUDING SAVINGS AND REPEALER CLAUSES; ORDINANCE EFFECTIVE ON THE EARLIEST APPLICABLE DATE SET FORTH IN THE PENNSYLVANIA BOROUGH CODE RELATING TO THE EFFECTIVE DATE OF ORDINANCES, WITH ENFORCEMENT DEFERRED UNTIL MARCH 1, 2023 FOR SINGLE USE PLASTICS AND MARCH 1, 2024 FOR EXPANDED POLYSTYRENE PRODUCTS AS SET FORTH IN THE ORDINANCE.

WHEREAS, Ambler Borough Council, in connection with its consideration and adoption of ordinances that are consistent with the health, safety and welfare of Borough citizens and visitors, finds that:

- a. The use of single-use plastic bags, expanded polystyrene food service products, and single-use plastic utensils have severe environmental impacts, the type and manner of which have been well documented and scientifically demonstrated;
- b. Only a tiny percentage of these products are successfully recycled;
- c. Single-use plastics are widely used throughout the Borough;
- d. Regulating the use of single-use plastics in the manner set forth in this ordinance has been demonstrated elsewhere to reduce their use by regulated businesses;
- e. The regulation of single-use plastics is consistent with the Environmental Rights Amendment to the Pennsylvania Constitution in addition to the Borough's general authority to regulate businesses within the Borough.

NOW THEREFORE, Ambler Borough Council hereby ORDAINS as follows:

There shall be added to the Ambler Codified Ordinances, at Chapter 13, a new part 9 entitled "Single-Use Plastics", and the content of which is as follows:

901. Definitions.

- A. Exempted Bag. The use of an exempted bag is not a violation of this ordinance. An

exempted bag:

- (a) is used inside a retail establishment by a customer to deliver perishable items to the point of-sale at that establishment (checkout); or
- (b) is used:
 - (i) to package bulk items such as fruit, vegetables, nuts, grains, or candy;
 - (ii) to contain or wrap meats or fish; to contain unwrapped prepared foods or bakery goods;
 - (iii) to contain live animals, such as fish or insects sold in a pet store; or
- (c) is sold in packaging containing multiple bags and packaged at the time of manufacture of the bag; or
- (d) is a paper bag offered to the customer at the point of sale; or
- (e) is a reusable carryout bag offered to the customer at the point of sale. A reusable carryout bag is a durable bag with handles made and intended for repeated use.

B. Expanded Polystyrene Food Service Product. A foam-based form of plastic packaging made from styrene including containers or plates for food, beverage cups, trays, and clamshell-style packaging, often referred to by the trademarked name Styrofoam. In the event of a dispute over a particular form of packaging and whether it is regulated by this ordinance, the definition set forth in footnote 1 of this ordinance is controlling.

Packaging that is not regulated by this ordinance is:

- (a) food or beverages that have been packaged in expanded polystyrene outside the borough before receipt by a food service establishment or store;
- (b) a product made of expanded polystyrene that is used to package raw, uncooked, or butchered meat, fish, poultry, or seafood; or
- (c) non-foam polystyrene food service products.

C. Retail Establishment. A temporary or permanent location in the Borough where food or other products are offered to the public for direct sale or delivery to a customer, including but not limited to the following: supermarket, convenience store, service station, delicatessen, department store, dollar store, clothing store, restaurant, pharmacy, food truck, farmers' market, festival or delivery service, but not including drycleaners.

D. Single-use Plastic Bag. A bag made through a blown-film extrusion process, but not including an Exempted Bag.

E. Single-Use Plastic Devices

- (a) means any item provided by a Retail Establishment to serve, consume, garnish or manipulate food or beverages that is primarily made from plastic; except, however, that this ordinance shall not apply to forks, spoons, sporks, knives, and chopsticks.
- (b) includes straws, drink stirrers, beverage spill plugs, toothpicks, novelty cocktail accessories, and other drink or food accoutrements.
- (c) shall not include devices provided under the following circumstances:
 - (i.) When packaged with beverages prepared and packaged outside of the Borough, provided

such beverages are not altered, packaged or repackaged within the Borough; and
(ii.) When provided as an assistance device to reasonably accommodate a disability.

Single-Use Plastics. A form of disposable packaging made from fossil-fuel based chemicals and which is intended to be disposed of immediately after use. Examples include bags, straws and utensils. In the event of any dispute over the nature of the packaging supplied by a Borough business, the technical definition of plastic set forth in footnote 2 shall control.

902. Prohibited Uses of Single-Use Plastics and Polystyrene.

1. Beginning March 1, 2023, retail establishments are prohibited from providing any of the following to a customer either directly at the establishment or through a delivery from the establishment to a destination selected by the customer:
 - a. A single-use plastic bag that is not an exempted bag;
 - b. A non-recycled paper bag that is not an exempted bag;
 - c. A single-use plastic utensil unless requested by the customer.
2. Beginning March 1, 2024, retail establishments are also prohibited from providing an expanded polystyrene (Styrofoam) food service product to a customer either directly at the establishment or through a delivery from the establishment to a destination selected by the customer:
3. For purposes of this ordinance, a Retail Establishment provides regulated products to a customer when the package is handed to the customer by any owner, employee or volunteer of the establishment, or, where the prohibited packaging is made available to the customer for his or her own use or self-packaging.

903. Penalties for Violation

A retail establishment that violates the requirements of this subchapter is subject to a civil penalty, plus court costs, as follows:

- (a) \$50.00 for a first offense;
 - (b) \$100.00 for a second offense;
 - (c) \$An amount not to exceed \$600.00, as determined by the court, for all subsequent offenses.
- (2) Each day in which the retail establishment violates this ordinance constitutes a separate offense.
- (3) In addition to the penalties set forth in this Chapter, the Borough of Ambler may seek legal, injunctive, or other equitable relief to enforce this Chapter.
- (4) The failure of the Borough of Ambler to enforce any provision of this Ordinance shall not constitute a waiver by the Borough of Ambler of its rights to future enforcement hereunder.

904. Hardships

Borough Council may, upon written request of a retail establishment, temporarily exempt it from the requirements of this ordinance if Borough Council finds that enforcement would cause undue hardship to the retail establishment. In granting any such temporary exemption, Council shall also state the duration of such exemption.

A finding of undue hardship may be based on one of the following:

- a. The commercial establishment has a unique circumstance or situation such that there are no reasonable alternatives to single-use plastic carry-out bags or single-use plastic straws;
- b. Compliance with the requirements of this article would deprive a commercial establishment of a legally protected right;
- c. Additional time is necessary in order to draw down an existing inventory of single-use plastic carry-out bags or single-use plastic straws.

905. Severance. Repealer. Effective date.

If any portion of this ordinance is found to be invalid by a court of competent jurisdiction, then to the extent possible such invalid portion shall be severed from the remainder, which shall continue in full force and effect.

Any portion of any existing Borough ordinance which is inconsistent with any provision herein is, to the extent of such inconsistency, repealed.

This ordinance is effective on the earliest of the following:

- a. The date when the mayor approves it;
- b. The date of enactment by council over the mayor's veto;
- c. For an ordinance not returned by the mayor at the next scheduled meeting of council occurring at least ten days after the meeting at which the ordinance was enacted, the date of the succeeding scheduled meeting of council.

SO ORDAINED this _____ day of _____, 2022.

Glynnis Siskind, Council President

Attest: _____
Mary Aversa, Council Secretary

Approved: _____
Jeanne Sorg, Mayor

FN 1. For purposes of this ordinance, "expanded polystyrene" means blown polystyrene and expanded and extruded foams that are thermoplastic petrochemical materials utilizing a styrene monomer and processed by a number of techniques, including: fusion of polymer spheres, known as expandable bead 20 polystyrene; injection molding; foam molding; and extrusion-blow molding, also known as extruded foam polystyrene.

FN 2. For purposes of this ordinance," plastic" means a synthetic material made from linking monomers through a chemical reaction to create a polymer chain that can be molded or extruded at high heat into various solid forms that retain their defined shapes during their life cycle and after disposal, including material derived from either petrochemicals or a biologically based polymer, such as corn or other plant sources.

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YOGA IN THE PARK



Knights Park 38 Church St., Ambler Borough

Ambler Borough Parks & Recreation is pleased to offer residents a free yoga session at Knights Park. The session is for adults & will be conducted by Registered Yoga Teacher and Borough resident, Dan Rosenak. A yoga mat & appropriate attire are required.

Saturday, August 13th – 9:00 – 10:00 a.m.

Salary & Personnel Committee

August 2, 2022

Frank DeRuosi- Chair

Haley Welch

Nellie Forst

Jen Henderson

OLD BUSINESS

1. The Water Department vacancy for the assistant water superintendent has been advertised, resumes are being accepted.

NEW BUSINESS

1. CIVIL SERVICE COMMISSION MEETING

The CSC will meet in August to void the existing candidate list and conduct such other business as may be necessary. Chief Borkowski is preparing to conduct the testing process for new qualified officer candidates this fall. The CSC meeting will be advertised and posted on the Borough website.

Recommendations

Finance & Planning Committee

1. Authorization is requested to advertise to hold a public hearing and adoption of a revised Borough Stormwater Ordinance in order to be consistent with the DEP's 2022 Model ordinance.