STORM WATER SMALL PROJECT APPLICATION

File Number: _____ Date Received:_____

Submitted Fees $ _____

Approval of Application Date:_____ Approved by:_____

This section to be completed by a township official

Project Street Address: _____

Property Account No.: _____

Owners Name: _____

Signature: _____

Phone # / Fax # / Email: _____

Person/Firm to be completing work: _____

Phone #/ Fax# / Email: _____

Storm Water Project Types:

SWM Plan Requirement	New Impervious Area[A]	Disturbed Area[B]	Next Steps
Exempt	≤ 1000 ft²	Less than 1 acre	Submit Worksheet A and Level 1 Site Sketch Plan
Small Project	>1000 ft² to ≤ 5,000 ft²	Less than 1 acre	Submit Level 2 Site Plan, Including Worksheets A&B, and BMPs.
SWM Site Plan Required	If Exempt and Small Project criteria are not met, or if improvements are associated with a Land Development and/or Subdivision Plan	Less than 1 acre	Consult a Qualified Professional

[A] New Impervious Area must be cumulatively calculated, starting at the date of adoption of the Providence Township Storm Water Management Ordinance, (5/5/2014).

[B] The above table is only applicable to projects with disturbed areas of less than one (1) acre. Any projects that propose more than one (1) acre of disturbed area are subject to E&S and NPDES Permit requirements and will require a Formal Storm Water Management Plan.

This exemption is granted with the following conditions:

a) There shall be no disturbance of land within Floodplains, Wetlands, Environmentally Sensitive Areas or Riparian Forest Buffers.

b) The Applicant shall minimize soil disturbance, take steps to minimize Erosion and Sedimentation during construction activity, and promptly reclaim all disturbed areas with topsoil and vegetation.

c) The Applicant shall take steps to insure that Runoff is directed to Pervious Areas on the subject property. No Runoff shall be directed onto an abutting street or neighboring property.

d) The proposed Impervious Surface shall not adversely impact any existing known problem areas or downstream property owners or the quality of runoff entering any Municipal Separate Storm Sewer System.

e) The Applicant shall comply with the erosion and sediment control requirements of Chapter 102 and the proposed Impervious Surface shall not create accelerated Erosion and Sedimentation.

Acknowledgement - I declare that I am the property owner, or representative of the owner, and that the information provided is accurate to the best of my knowledge. I understand that storm water may not adversely affect adjacent properties or be directed onto another property without written permission. I also understand that false information may result in a stop work order or revocation of any associated permits. Township representatives are also granted reasonable access to the property for review and / or inspection of this project as necessary.

Signature: _____

Date: _____

STORM WATER MANAGEMENT WORKSHEET A

Step 1: Determine the amount of new impervious area created by the proposed project. This includes any new surface areas that prevent infiltration of storm water into the ground. New stone and gravel areas are considered impervious. Impervious areas existing before (Date of Adoption) are not included in this calculation. Use additional sheets if necessary.

Calculate new impervious area by completing this table.

Surface	Length (ft.)	x	Width (ft.)	=	Impervious Area (ft^2)
Buildings/Structures: 1. 2. 3. 4.		x		=	
Driveway		x		=	
Parking Areas		x		=	
Patios/ walkways		x		=	
Other		x		=	
			Total Proposed Impervious Surface Area (Sum of all impervious areas)		

- If the total new impervious surface area is **1,000 ft^2 or less**, the project is exempt from the requirement to submit a Small Project or SWM Plan for approval. Complete Step 1, complete a Level 1 Site Sketch Plan, sign Owner Acknowledgement, and file this sheet with the Township.
- If project **does not exceed 5,000 ft^2** of impervious area, and is not associated with a subdivision or land development, complete steps 1, 2 and 3 and level 1 & 2 site sketch plan requirements.

_____ ft^2 of impervious surface area removed for this project.

Date Removed:_____

Total Impervious area added for this project: _____
(Proposed – Removed = Total added at this time)

Estimated Project Disturbed Area (Square Feet or Acres): _____

STORM WATER MANAGEMENT WORKSHEET B

Step 2: Calculate the volume of storm water runoff created by proposed impervious surfaces.

Impervious Area (ft^2) to be Managed (Sum of Step 1)	X	1.0 in/12 in = 0.083	=	Amount of Storm water to be Managed (ft^3)
	X	0.083	=	

Step 3: Select BMPs and size according to the volume of storm water that needs to be managed. The Guide to Choosing Storm water BMPs, includes sizing calculations for specific techniques. The table below should be used only when a Small Project Site Plan is appropriate. Other BMPs may be utilized if selected out of the Guide to Choosing Storm water BMPs provided calculations are provided to show that the required volume has been met.

Proposed BMP	Length (Feet)		Width (Feet)		Depth (Feet)		Void Ratio		Volume (ft^3) (from step 2)
Infiltration Bed		x		x		x	0.4	=	
Infiltration Berm		x		x		x	1.0	=	
Rain Garden		x		x		x	1.0	=	
Rain Barrel	Cubic Feet (ft^3)			x	Gallons Per ft^3			=	
					7.48				
Total Volume Credit (Sum of Volumes above)								=	
Required Volume (Calculated above in Step 2)								=	
Surplus Volume (Total Volume – Required Volume)								=	

If an area greater than 5,000 square feet of earth is disturbed, an erosion and sedimentation (E&S) control plan must be prepared and kept on site during construction activities. If an area greater than 1.0 acre is disturbed during the project, an E&S and NPDES Permit will be required to be obtained from the Lancaster County Conservation District.

SITE SKETCH PLAN REQUIREMENTS

SITE SKETCH PLAN REQUIREMENTS – LEVEL 1 AND LEVEL 2

The Lancaster County GIS website can provide assistance to applicants to obtain property maps of existing features and property lines. A Site Sketch Plan depicting the key features of the site must be drawn or depicted to show the information required for Levels 1 and 2 Site Sketch Plans.

A Site Sketch Plan depicting the key features of the site must be drawn or depicted to show the following:

LEVEL 1 SITE SKETCH PLAN REQUIREMENTS:

1) Property boundary, address, and name of landowner.
2) Location of all existing and proposed structures (house, shed, addition, etc.) and any proposed downspouts. Include the dimensions of proposed structures and distance to property lines.
3) Site conditions and land covers (grassed areas, agricultural fields, direction of slope and storm water flow on the property).
4) All existing and proposed driveways and impervious areas, including dimensions of proposed areas (stone and gravel driveways are considered impervious).
5) Natural features such as floodplains, streams, wetlands, tree lines and other vegetation on the property and within 50 feet of the property line for lots smaller than 5 acres.
6) Utility lines, sewer or water service location, or wells and on-site septic systems.
7) Any easements, rights-of-ways within property boundaries and their associated sizes.

LEVEL 2 SITE SKETCH PLAN REQUIREMENTS (INCLUDING ALL LEVEL 1 REQUIREMENTS):

A Level 2 Site Plan depicts the existing conditions of a property and the location of proposed impervious surfaces. Depicting the relationship between the proposed activities and distances to things like property lines, streams, and vegetated areas will help determine if the storm water runoff created by the proposed project can be managed naturally within the property or if additional best management practices (BMPs) are needed to accommodate the storm water runoff.

8) Distance from proposed improvements to property line.
9) Approximate slopes of overland storm water flow paths.
10) Distance from proposed structures or improvements along the storm water flow path to any stream or wooded area.
11) Any other pertinent information that may be significant to the project site (existing drainage ways, steep slopes, etc.).
12) Soil boundaries and types for the project area [may be obtained from PA Soil Map (soilmap.psu.edu) or NRCS Web Soil Survey (websoilsurvey.nrcs.usda.gov)].

ADDITIONAL BMP REQUIREMENTS:

The following additional information shall be provided when BMPs are required:

13) Any proposed tree or shrub plantings and species.
14) Location, size, and depth of proposed storm water BMPs.
15) Details of proposed storm water BMPs, including materials to be used.

OWNER ACKNOWLDGEMENT

- Development activities shall begin only after the Providence Township approves the plan.

- The installed BMPs will not adversely affect any property, septic systems, or drinking water wells on this or any other property.

- If a storm water management alternative to the approved Small Project Site Plan is used, the applicant will submit a revised plan to the Providence Township for approval. If a site requires a more complex system or if problems arise, the applicant may need the assistance of a Qualified Person.

- The applicant acknowledges that the proposed storm water management BMPs will be a permanent fixture of the property that cannot be altered or removed without approval by the Township.

I (we) _____, hereby acknowledge the above statements and agree to assume full responsibility for the implementation, construction, operation, and maintenance of the proposed storm water management facilities. Furthermore, I (we) also acknowledge that the steps, assumptions, and guidelines provided in this Small Project Application & Storm Water Worksheet(s)) will be adhered to.

Signature: _____ Date: _____

Signature: _____ Date: _____