

APPENDIX C.1

DISCONNECTED IMPERVIOUS AREA (DIA) AND WORKSHEET

When a regulated activity creates impervious areas between 1,000 sq. ft. and 5,000 sq. ft., or total earth disturbance between 5,000 and 10,000 sq. ft., the stormwater management requirements follow Appendix C.1 – Disconnected Impervious Areas (DIAs), of this Ordinance. If site conditions prevent the requirements of Appendix C.1 from being met, then the first 1 inch of runoff shall be captured and controlled in a manner consistent with Appendix E – Stormwater Management for Small Projects, of this Ordinance.

When rooftop or pavement runoff is directed to a pervious area that allows for infiltration, filtration, and increased time of concentration, the contributing rooftop or pavement area may qualify as a Disconnected Impervious Area (DIA). A rooftop or pavement area is considered to be a DIA if it meets the requirements listed below:

- The soil, in proximity of the discharge area, is not designated as hydrologic soil group “D” or equivalent (see Appendix F.2. Hydrologic Soil Group Map);
- The overland flow path (pervious area serving as BMP) from discharge area has a positive slope of 10% or less;
- The length of overland flow path (pervious area serving as BMP) is greater than or equal to the contributing rooftop or pavement length;
- The length of overland flow path (pervious area serving as BMP) is greater than 25 feet.

If the discharge is concentrated at one or more discrete points, no more than 1,000 square feet of impervious area may discharge to any one point. In addition, a gravel strip or other spreading device is required for concentrated discharges. For non-concentrated discharges along the edge of the pavement, this requirement is waived; however, there must be a provision for the establishment of vegetation along the pavement edge and temporary stabilization of the area until vegetation becomes stabilized.

If rainspouts are discharged underground to provide infiltration, the portion of the impervious area draining to those rainspouts is waived from the DIA discharge requirements. Rainspouts discharged underground which are directly connected to a storm sewer system are not waived from the DIA requirements.

Computations for DIA as a BMP must be submitted to Moosic Borough. This worksheet is provided as an example, or may be used for the computations.

Applicant Address:	Brief Description of Project:				
Nearest waterbody:	No more than 1,000 sq. ft. can discharge to one point on the surface. Number of discharge points required:				
Total Proposed Impervious Area (A):	Discharge Point 1	Discharge Point 2	Discharge Point 3	Discharge Point 4	Discharge Point 5
Total Earth Disturbance:	Area:	Area:	Area:	Area:	Area:
Are rainspouts discharged underground? (Y/N)	Impervious Path Length:	Impervious Path Length:	Impervious Path Length:	Impervious Path Length:	Impervious Path Length:
If yes, contributing impervious area (B):	Pervious Path Length:	Pervious Path Length:	Pervious Path Length:	Pervious Path Length:	Pervious Path Length:
Total Impervious Area Discharged on Surface (A) – (B):	Pervious Path Slope <10%? (Y/N)	Pervious Path Slope <10%? (Y/N)	Pervious Path Slope <10%? (Y/N)	Pervious Path Slope <10%? (Y/N)	Pervious Path Slope <10%? (Y/N)
HSG Soil Group from Appendix F.2 Hydrologic Soils Group Map (Cannot be "D" Soils):					
Project sketch:					

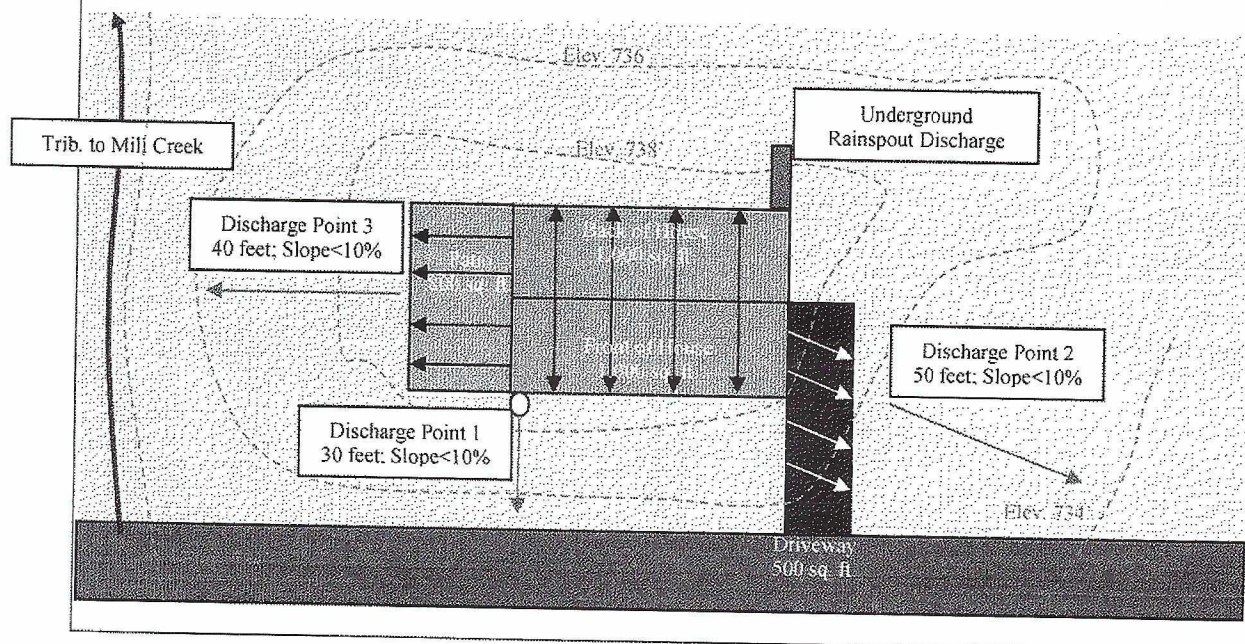
EXAMPLE:

Example: Joe Homeowner would like to build a single-family home, with a driveway and backyard stone patio. The home is 2,000 sq. ft., the stone patio is 800 sq. ft., and the asphalt driveway is 500 square feet.

Applicant Address: Joe Homeowner 123 Site Street Anytown, PA 12345	Brief Description of Project: Construction of 2,000 sq. ft. (40' x 50') single-family home with 500 sq. ft. driveway (10' x 50') and 800 sq. ft. stone patio (20' x 40'). The back half of the house discharges to rainspouts underground.				
Nearest waterbody: Tributary to Mill Creek	No more than 1,000 sq. ft. can discharge to one point on the surface. Number of surface discharge points required: 3				
Total Proposed Impervious Area (A): 3,300 sq. ft. Total Earth Disturbance: 6,000 sq. ft.	Discharge Point 1:	Discharge Point 2:	Discharge Point 3:	Discharge Point 4:	Discharge Point 5:
	Front of Home Area: 1,000 sq. ft.	Driveway Area: 500 sq. ft.	Patio Area: 800 sq. ft.	N/A Area: N/A	N/A Area: N/A
Are rainspouts discharged underground? (Y/N) Yes If yes, contributing impervious area (B): 1,000 sq. ft.	Impervious Path Length: 20 ft	Impervious Path Length: 10 ft	Impervious Path Length: 20 ft	Impervious Path Length: N/A	Impervious Path Length: N/A
	Pervious Path Length: 30 ft	Pervious Path Length: 50 ft	Pervious Path Length: 40 ft	Pervious Path Length: N/A	Pervious Path Length: N/A
Total Impervious Area Discharged on Surface (A) – (B): 3,300 – 1,000 = 2,300 sq. ft.	Pervious Path Slope <10%? (Y/N) Yes	Pervious Path Slope <10%? (Y/N) Yes	Pervious Path Slope <10%? (Y/N) Yes	Pervious Path Slope <10%? (Y/N) N/A	Pervious Path Slope <10%? (Y/N) N/A

HSG Soil Group from Appendix F.2 Hydrologic Soils Group Map (Cannot be "D" Soils): HSG "C"

Project sketch:



MOOSIC BOROUGH
SIMPLIFIED STORMWATER MANAGEMENT PERMIT APPLICATION
LEVEL 1 (use only for Level 1 regulated activities)

Applicant Name and Address:

What is the nature of your project? (check all that apply)

☐ Single Family Home	☐ Paved Driveway	☐ Deck (w/ roof)
☐ Addition to Home	☐ Gravel Driveway	☐ Earthwork (fill or excavation)
☐ Garage	☐ Outdoor Stone Patio	☐ Subdivision/Land Development
☐ Storage Shed	☐ Deck (no roof)	☐ Other (explain) _____

What is the total amount of disturbed area for the project? (limits of fill placement, excavation, tree/shrub clearing)

Length (feet)

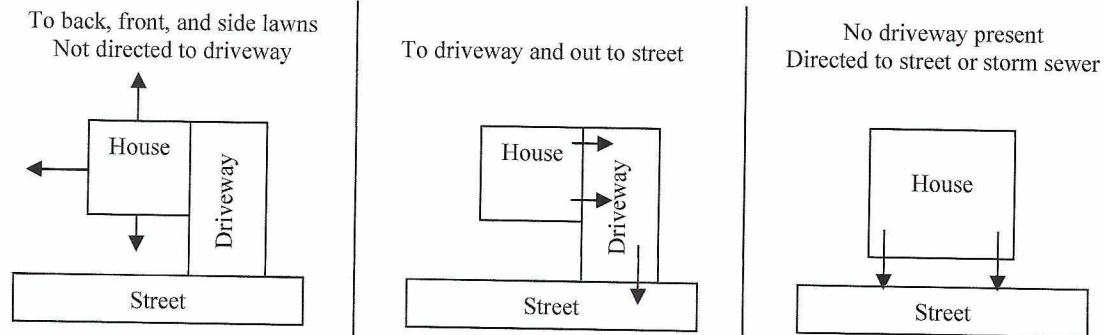
Area = Length x Width Width (feet) Area = _____ (sq. ft.)

What is the total amount of impervious area for the project? (asphalt, concrete, compacted gravel, stone, roofs)

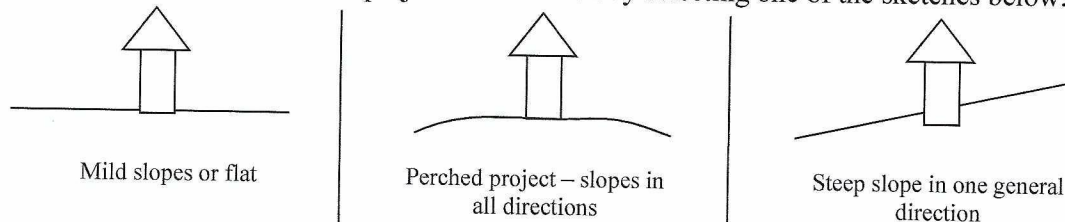
Length (feet)

Area = Length x Width Width (feet) Area = _____ (sq. ft.)

If the project involves roofing, are gutters and rainspouts used? Yes No (circle one)
 If rainspouts are used, select the sketch below that approximates where they are directed:



Indicate the slope of the site the project is located on by selecting one of the sketches below:



**** Include additional sketches and sheets as necessary ****

Reviewer Signature: _____ Date: _____ APPROVED DENIED

MOOSIC BOROUGH
STORMWATER MANAGEMENT PERMIT APPLICATION
USE FOR LEVEL 2, 3 & 4 REGULATED ACTIVITIES

Applicant and Applicant Address:	Nature of Activity (i.e. driveway, single-lot structure, parking lot, road, trail, subdivision, etc.):
Total Proposed Impervious Area (I) (sq. ft.):	
Total Proposed Earth Disturbance (ED) (sq. ft.):	
Level 1: (I) is less than 1,000 sq. ft. and (ED) is less than 5,000 sq. ft.	
Level 2: (I) is between 1,000 sq. ft. and 5,000 sq. ft. or (ED) is between 5,000 sq. ft. and 10,000 sq. ft.	
Complete and attach worksheet contained in Ordinance Appendix C.1 or E (or equivalent)	Is worksheet attached? No _____ Yes _____
Level 3: (I) is between 5,000 sq. ft. and 10,000 sq. ft. or (ED) is between 10,000 sq. ft. and 20,000 sq. ft.	
Complete and attach worksheet contained in Ordinance Appendix D (or equivalent)	Is worksheet attached? No _____ Yes _____
Level 4: (I) is greater than 10,000 sq. ft. or (ED) is greater than 20,000 sq. ft.	
Complete and submit SWM Site Plan in accordance with Ordinance Article IV	Is a SWM Site Plan included? No _____ Yes _____
Show on the accompanying sketch that adverse downstream stormwater impacts are not created or worsened, and that additional stormwater runoff will not discharge towards adjacent property owners.	

All requirements of the Ordinance have been met. Applicant Signature: _____ Date: _____

FOR REVIEWER ONLY

This stormwater management permit application has been APPROVED DENIED (circle one)

Reviewed by (print): _____ Reason for Denial: _____

Signature: _____ Date: _____