

BLACK CREEK TOWNSHIP

STORMWATER MANAGEMENT PERMIT APPLICATION

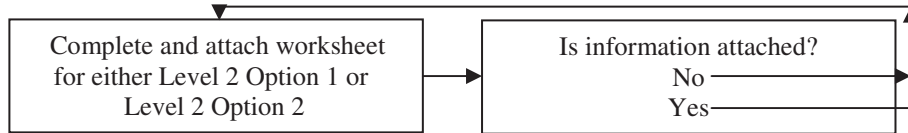
Applicant Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____	Nature of Activity (i.e. driveway, new structure, parking lot, road, trail, subdivision, etc.): _____ Site Address: _____ Tax Parcel #: _____
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Total Proposed Impervious Area (I) (sq. ft.): _____

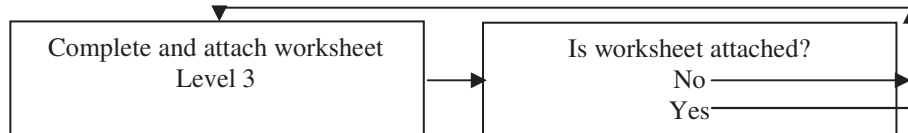
Total Proposed Earth Disturbance (ED) (sq. ft.): _____

Level 1: (I) is between 250 sq. ft. and 1,000 sq. ft. or (ED) is between 500 sq. ft. and 5,000 sq. ft.

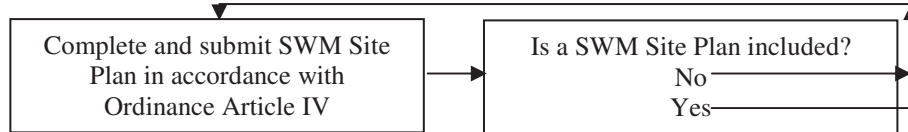
Level 2: (I) is between 1,000 sq. ft. and 5,000 sq. ft. or (ED) is between 5,000 sq. ft. and 10,000 sq. ft.



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.



Level 4: (I) is greater than 10,000 sq. ft. or (ED) is greater than 20,000 sq. ft. and all Land Developments



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: _____

BLACK CREEK TOWNSHIP STORMWATER MANAGEMENT

LEVEL 2 APPLICATION (OPTION #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. See Section 105.C for the requirements for existing lots governed by a previous Land Development or NPDES Permit Approval.

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 overland flow path (pervious area serving as BMP) from discharge area has a positive slope of approximately 10% or less;
- The length of overland flow path (pervious area serving as BMP) is greater than 20 feet.
- The 20 foot minimum length of pervious overland flow path for a driveway shall be waived in the area of the driveway connection point to the existing roadway. (I.e. Areas where it is physically impossible to provide a 20 foot pervious overland flow path for the entire driveway cross-section). Note: All areas of the driveway shall be cross-sloped toward pervious areas.

If the discharge is concentrated at one or more discrete points, no more than 1,250 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. Prior to any rainspout being allowed to be discharged underground to provide infiltration the suitability of the existing soil in the area of the proposed infiltration must be demonstrated by the applicant.

Sump pump, roof drains (rainspouts) and foundation drains must comply with Section 301.Q of the Ordinance.

The technical requirements of this Appendix C.1 can be modified at the discretion of the Township Engineer if the applicant can clearly demonstrate that no adverse downstream stormwater impact is being created or worsened by the modification that is granted.

Applicant must provide a sketch of the proposed project in the space provided below the Worksheet C.1 or on a separate plan sheet if additional space is required. The following items, at a minimum, must be provided on the Level 2 Sketch:

1. The name and address of the property owner and the person that completed the sketch.
2. All existing structures, existing roadways, existing waterways and existing stormwater management facilities within 50 feet of site.
3. The site property lines and the names of the adjoining property owners.
4. The proposed driveway location, dimensions and surface type.
5. The proposed building location, dimensions, and direction of roof slopes.
6. The direction and approximate percent of the land and roof slopes at all grade breaks.
7. A north arrow, drawing scale and date.
8. The location of all existing and proposed underground utilities including septic and well locations.
9. The location and dimensions of all proposed stormwater management facilities.
10. The discharge point of all stormwater management facilities including roof drains, foundation drains and sump pump drains.

See Level 2 Sketch examples provided for additional information.

The above items must be provided, at a minimum, for all existing lots governed by a previous Land Development or NPDES Permit Approval (i.e. Section 105.C)

Note: The applicant must construct all structures, driveways, stormwater management facilities and discharge points as depicted on the sketches provided to the Township. Any deviation from the sketches without prior approval from Black Creek Township may be considered a violation of the Black Creek Township Stormwater Management Ordinance and may subject the applicant to the penalties of the Ordinance and/or the revocation of the Stormwater Management Permit. Furthermore, it is the responsibility of the APPLICANT to contact Black Creek Township at the time the proposed driveway is constructed to the finished subgrade elevation in order for the Township to verify adequate cross slopes prior to any paving. Also it is the responsibility of the applicant to contact Black Creek Township prior to the burying of any underground stormwater infiltration or detention facilities and any other time during construction when it will be physically impossible for the Township to verify compliance at the time of final inspection. Failure to contact Black Creek Township at these critical times of construction may result in the revocation of the Stormwater Management Permit, a Violation of the Stormwater Management Ordinance or the reconstruction of these facilities.

EXAMPLE STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant Name, Address, Phone Number and Email: Joe Homeowner 123 Site Street Anytown, PA 12345 570-788-1234 – joe@ptd.net	Nature of Activity (i.e. driveway, single-lot structure, parking lot, road, trail, subdivision, etc.): Construction of single-family home, driveway, and stone patio
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Total Proposed Impervious Area (I) (sq. ft.): 3,300 square feet

Total Proposed Earth Disturbance (ED) (sq. ft.): 6,000 square feet

Level 1: (I) is between 250 sq. ft. and 1,000 sq. ft. or (ED) is between 500 sq. ft. and 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 Appendix C.1/E or Section 105.C requirements

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

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 *Joseph Homeowner* Date: *6/30/2010*

FOR REVIEWER ONLY

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

Reviewed by (print): Municipal Official Reason for Denial: N/A

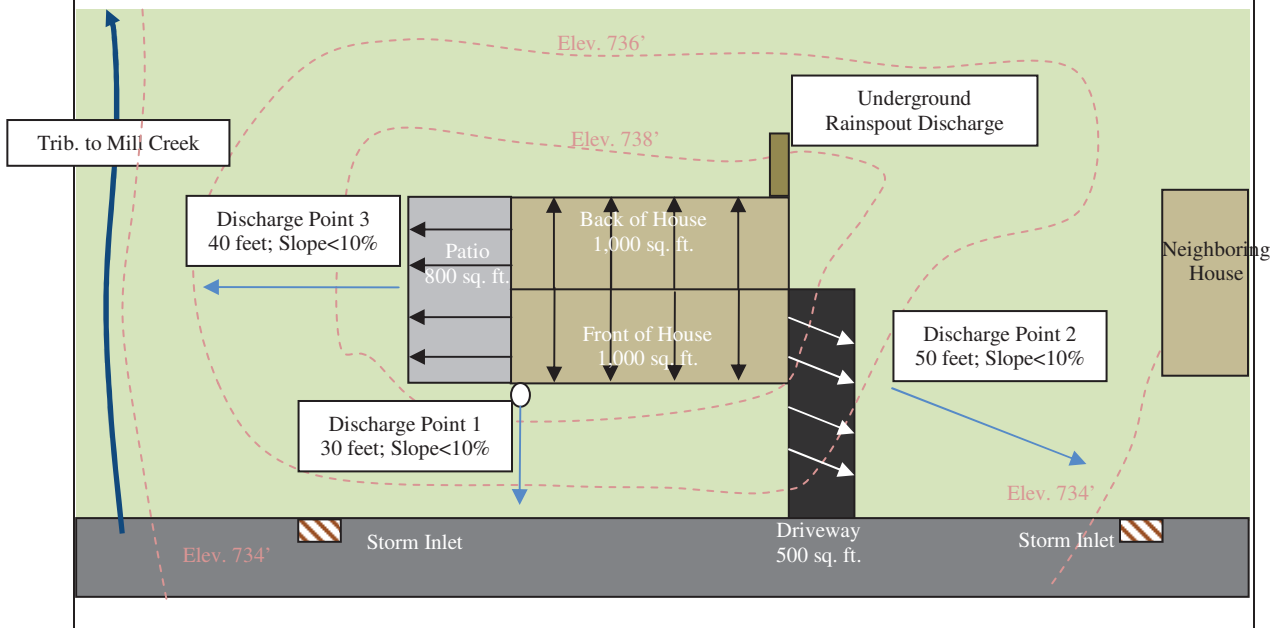
Signature: *Municipal Official*

Date: *6/30/2010*

EXAMPLE 2 PROJECT SKETCH – Homeowner opted to utilize the worksheet provided in Appendix C.1 to show stormwater management for DIA.

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 1,250 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: Front of Home	Discharge Point 2: Driveway	Discharge Point 3: Patio	Discharge Point 4: N/A	Discharge Point 5: N/A
	Area: 1,000 sq. ft.	Area: 500 sq. ft.	Area: 800 sq. ft.	Area: N/A	Area: N/A
Are rainspouts discharged underground? (Y/N) Yes If yes, contributing impervious area (B): 1,000 sq. ft.	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

Project sketch:



Applicant Name: _____

Site Address or Tax Parcel #: _____

Level #2 (Option 1 - Disconnected Impervious Area as a BMP).

Applicant Address:	Brief Description of Project:				
Nearest waterbody:	No more than 1,250 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) 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)

Provide Level 2 Sketch of project below or on a separate sheet if necessary. See minimum requirements for Level 2 Sketch in Appendix C.1.