

PLAINS TOWNSHIP

STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant and Applicant Address:	Nature of Activity (i.e. driveway, single-lot structure, parking lot, road, trail, subdivision, etc.):
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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 A → 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 B → 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 Stormwater Management 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

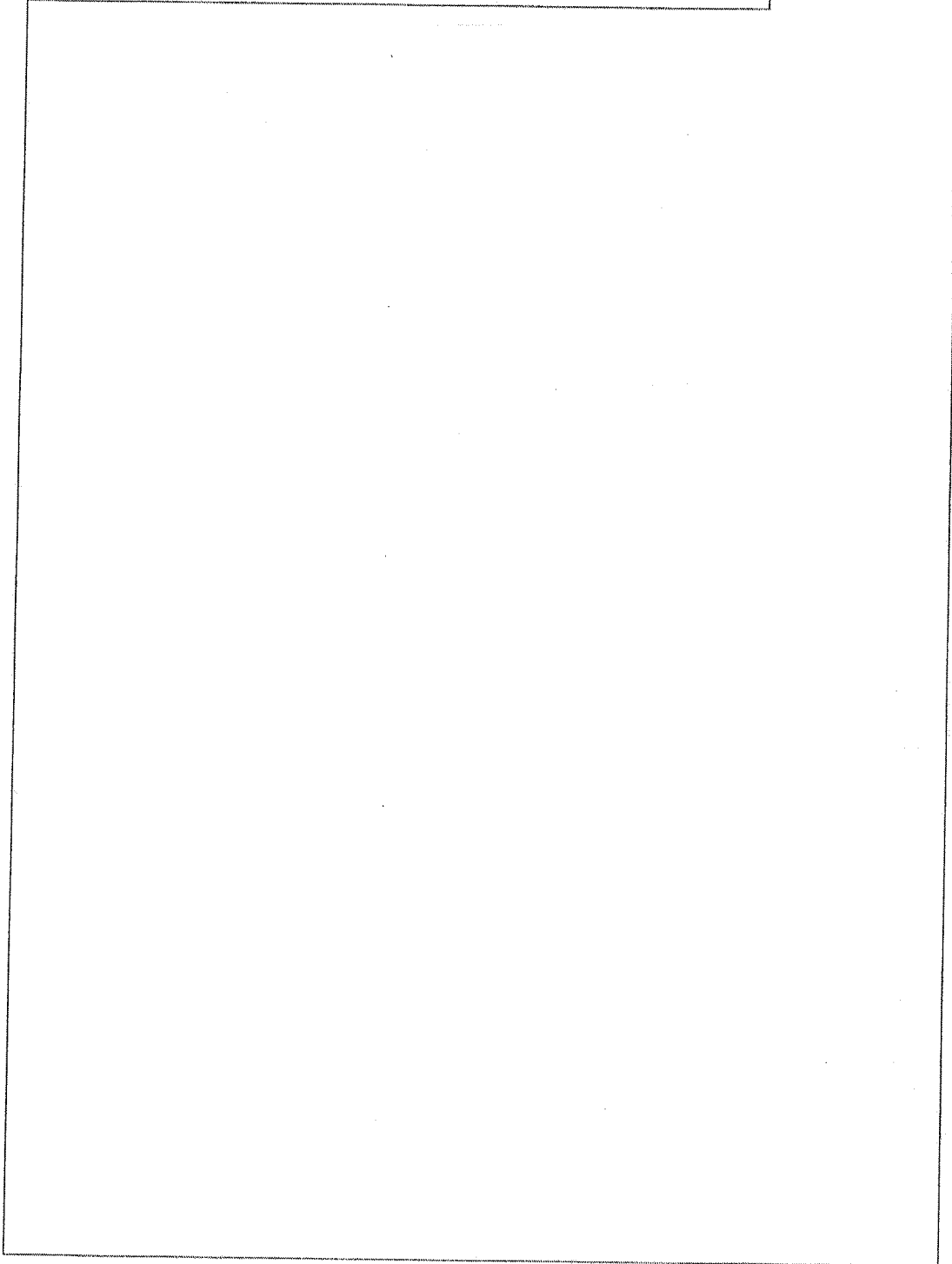
This stormwater management permit application has been APPROVED DENIED (circle one)

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

Signature: _____ Date: _____

PROJECT SKETCH

- Show direction of proposed stormwater discharges
- Show all structures within 50 feet of site
- If storm sewers are present, show approximate location of inlets



Worksheet A

Computations for Disconnected Impervious Areas (DIA) must be submitted to the municipality for all Level 2 Activities.

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 Stormwater Management Ordinance Appendix F.2 Hydrologic Soils Group Map (Cannot be "D" Soils):					
Project sketch:					

Worksheet B

Computations for all stormwater facilities must be submitted
to the municipality for all Level 3 Activities.

Applicant Address:	Brief Description of Project:		
Nearest waterbody:	$\text{Permanently Removed Volume} = (2 \text{ inches} / 12) \times (\text{Impervious Area})$ $=$		
Total Proposed Impervious Area:	<p>A Factor of Safety of 2 is applied to the Tested Infiltration Rate.</p> $\text{Design Infiltration Rate} = \text{Tested Infiltration Rate} / 2$ $=$		
Total Earth Disturbance:	<p>Components of the project may be directed to multiple facilities.</p> <p>Number of facilities used:</p>		
Soil Testing Method:	Facility #1	Facility #2	Facility #3
	Component of Project:	Component of Project:	Component of Project:
	Volume Collected:	Volume Collected:	Volume Collected:
Tested Infiltration Rate (in/hr):	Type of Facility:	Type of Facility:	Type of Facility:
	Volume of Facility*:	Volume of Facility*:	Volume of Facility*:
	Area of Facility:	Area of Facility:	Area of Facility:
	Depth of Facility:	Depth of Facility:	Depth of Facility:
Additional Cales/Notes:	$\text{Drawdown Time} = \frac{\text{Depth of Facility}}{\text{Design Infiltration Rate}} =$	$\text{Drawdown Time} = \frac{\text{Depth of Facility}}{\text{Design Infiltration Rate}} =$	$\text{Drawdown Time} = \frac{\text{Depth of Facility}}{\text{Design Infiltration Rate}} =$
	$\text{Loading Ratio} = \frac{\text{Impervious Area Controlled}}{\text{Area of Facility}} =$	$\text{Loading Ratio} = \frac{\text{Impervious Area Controlled}}{\text{Area of Facility}} =$	$\text{Loading Ratio} = \frac{\text{Impervious Area Controlled}}{\text{Area of Facility}} =$
	Existing Discharge Point (Inlet/Sewer/Stream):	Existing Discharge Point (Inlet/Sewer/Stream):	Existing Discharge Point (Inlet/Sewer/Stream):
	$\text{Discharge Method for Runoff in Excess of 2"}:$ $\text{Capacity}^{**}:$	$\text{Discharge Method for Runoff in Excess of 2"}:$ $\text{Capacity}^{**}:$	$\text{Discharge Method for Runoff in Excess of 2"}:$ $\text{Capacity}^{**}:$
<p>*Infiltration facilities with stone beds: 40% void space, multiply volume in stone portion by 0.4. Calculations:</p>			
<p>**If a grass spillway is used: $\text{Capacity (cfs)} = 2.5 \times \text{Length} \times \text{Freeboard}^{1.5}$</p> <p>**If an orifice structure is used: $\text{Capacity (cfs)} = 0.6 \times \text{Orifice Area} \times (2 \times 32.2 \times \text{Flow Depth Above Orifice})^{0.5}$</p> <p>Capacity Calculations:</p>			