

## **ABINGTON TOWNSHIP STORMWATER MANAGEMENT ORDINANCE INFORMATION**

Abington Township requires Stormwater Management on all regulated activities that may affect stormwater runoff. Projects in which the applicant is proposing additional impervious surface, a Stormwater Management (SWM) Permit will be required. Impervious surfaces (like a shed, addition, driveway, walkway, or anything covered by impenetrable materials such as asphalt, concrete or most building materials) are an environmental concern because it eliminates rainwater infiltration and natural groundwater recharge and creates additional stormwater flow onto neighboring properties, streets and/or storm networks.

Basically, any project in which the applicant is proposing additional impervious surface, a SWM Permit will be required. A project with a proposed impervious surface area of:

- 0 to 250 sq. ft.; will require a seepage pit, rain garden or rain barrels. (Rain barrels can only be used on a residential property, a minimum of two [2] rain barrels is required and each rain barrel must be fifty [50] gallons or larger). Rain Barrels may NOT be used for any SWM project greater than 250 sq. ft.
- 251 sq. ft. to 1,000 sq. ft.; will require a seepage pit, rain garden or infiltration trench. Soil erosion control methods are also necessary and must be implemented at the time of construction. In most instances the plan must show existing conditions, proposed improvements, the location of the SWM system, calculations, details, soil erosion control, etc. A professional plan does not have to be prepared, but is encouraged.
- 1,000 sq. ft. or more, the applicant must submit SWM plan(s) & report, an existing conditions plan, and a soil erosion control plan; all which must be designed, signed and sealed by a licensed professional engineer. Also, the applicant is required to conduct infiltration testing by a PA licensed soils testing agency, in the general location of the proposed SMW system to ensure adequate percolation. The results of the test must be presented to the Township, along with the Stormwater Management Report.

### **SUBMISSION REQUIREMENTS**

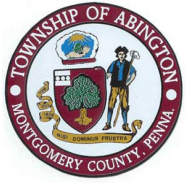
The applicant must submit a diagram which will need to specify the type, the location and the size of the SWM system and show how the rain water is getting to the system. They must provide calculations as to how they arrived at the size of the SWM system (\*). A detail of the SWM system must also be provided (\*). Whatever type of system you plan to use, it must be 4' from any property line or Right-of-Way/Easement line and 10' from any permanent structure. (\* a blank calculation sheet and a standard seepage pit detail can be provided upon request.)

The PLAN or DIAGRAM is a description of the proposed stormwater facilities, including types of materials to be used, total square footage of proposed impervious areas, volume calculations, and a simple sketch plan showing the following information:

- Location of proposed structures, driveways, or other paved areas with surface area in square feet.
- Location of any existing or proposed onsite septic system and/or potable water wells showing proximity to infiltration facilities.

These are just some basic SWM Ordinance information. All of the stormwater management requirements can be found in Chapter 142 of the Abington Township Ordinance; which can be found on-line here:

<https://ecode360.com/AB0569>. Any stormwater management questions may be directed to Scott Marlin, Engineering Assistant, at 267-536-1018 or [SMarlin@AbingtonPA.gov](mailto:SMarlin@AbingtonPA.gov)



## TOWNSHIP OF ABINGTON

### Engineering Department

#### APPLICATION FOR RESIDENTIAL SEEPAGE PIT / INFILTRATION TRENCH / RAIN GARDEN

267-536-1043 or [Engineering@AbingtonPA.Gov](mailto:Engineering@AbingtonPA.Gov)

Date: \_\_\_\_\_ Property Location: \_\_\_\_\_

Parcel No.: 30-00- \_\_\_\_\_ Owner(s): \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Applicant Mailing Address: \_\_\_\_\_

Applicant Phone No.: \_\_\_\_\_ Email: \_\_\_\_\_

#### REQUIREMENTS:

- The Stormwater Management System (SWM) system (seepage pit, drywell, rain garden, etc.) must be installed before the project is completed.
- A soil erosion control plan is required for ALL SWM permit applications. Soil erosion control must be established and maintained during all earth-moving activities.
- Sump pumps may not be discharged into the SWM system.
- It is the responsibility of the homeowner for the upkeep of all SWM systems on their property, including, but not limited to:
  - Weekly weeding and watering (Rain Garden).
  - Annual mulching, pruning and replanting (Rain Garden).
  - Sediment removal after large storm events and during extreme weather.
  - Inspection of SWM system after large storm events and weather extremes for blockages from downspouts and cleanout; clearing all debris, as necessary.
  - Replace piping and stone when system is overflowing frequently.
- The SWM system may not be removed and nothing can be placed on top of the SWM system; NO exceptions.
- The applicant must contact the Engineering Department at 267-536-1018 or [Engineering@AbingtonPA.Gov](mailto:Engineering@AbingtonPA.Gov) for inspection of the SWM system. The inspector must have 24 hours advance notice for the inspection and must be able to examine an empty pit (Seepage Pit / Dry Well).

Application Fee: \$50.00

Inspection Fee: \$60.00

Escrow: \$250.00 (Escrow is for five (5) future inspections over the next 10 years.)

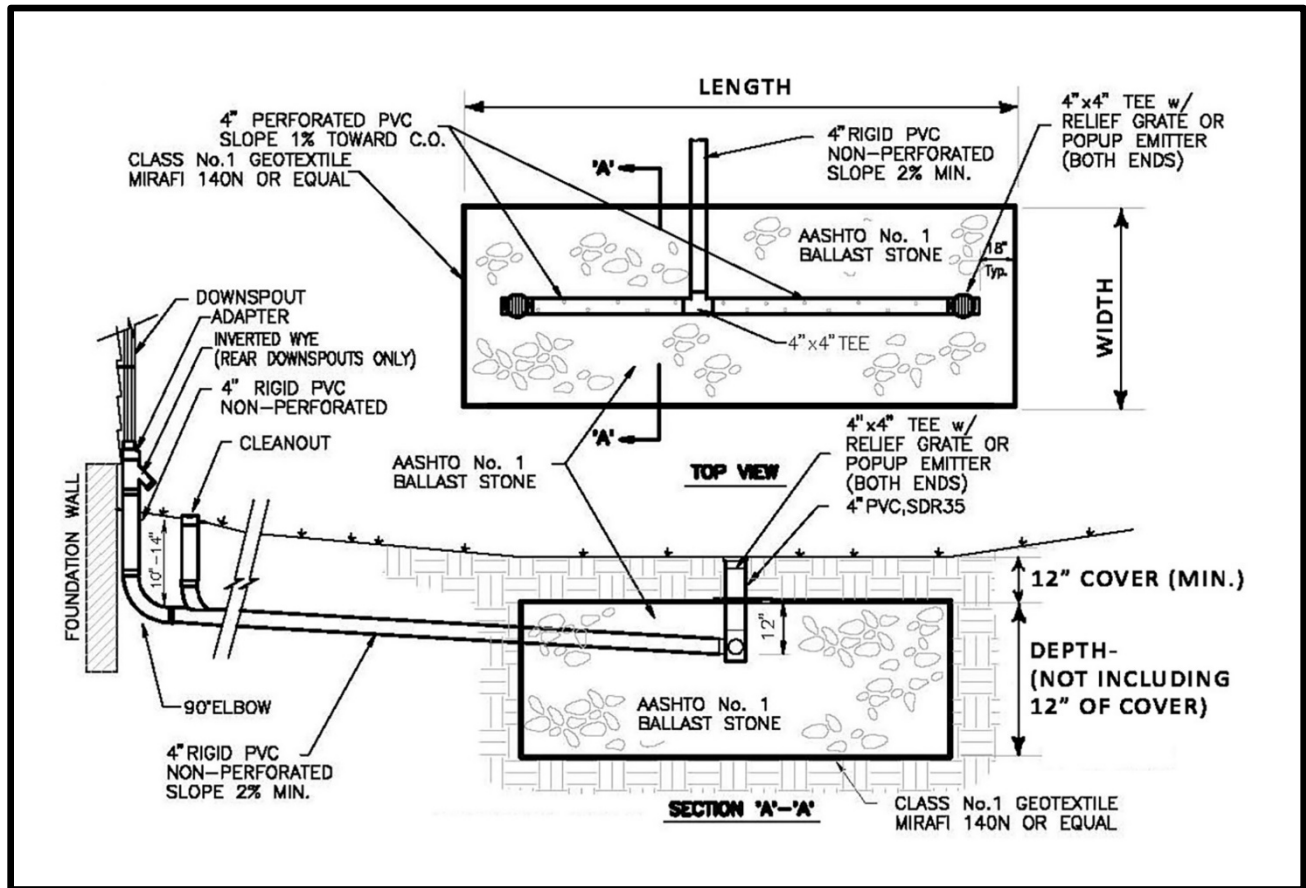
TOTAL DUE: \$360.00

\_\_\_\_\_  
Engineering Department

\_\_\_\_\_  
Applicant

OFFICE USE ONLY

# **ABINGTON TOWNSHIP STANDARD**



## **SEEPAGE PIT DETAIL**

NOT TO SCALE

## **KEY DESIGN ELEMENTS**

- Should be located downstream from buildings, patios, pools, sheds, etc.
- Maintain a 4 foot (4') distance (min.) from all Property lines and/or Right-of-Way lines.
- Maintain a 10 foot (10') distance (min.) from building foundations.
- Provide adequate overflow outlet for large storm events.
- Should be constructed on natural, un-compacted soils with acceptable infiltration capacity.
- Wrap aggregate in non-woven geotextile fabric.
- At least one (1) observation well or clean out is required.
- Does not adversely affect neighboring properties.
- Sump pumps must not be connected to the seepage pit.

# EXAMPLE CALCULATION SHEET

## SAMPLE

### Infiltration Pit / Seepage Pit / Dry Well

#### 1. Area of Improvement (New impervious area)

Length (l):  ft (1)

Width (w):  ft (2)

Area (l x w):  sf Multiply (1) x (2) (3)

#### 2. Calculate Amount of Water to be Handled. (Flow= A x i x c)

Area (A):  sf (3)

Rain Fall (i):  in (4)

Rain Fall (i):  ft Divide (4)/12 (5)

Permiability Coefficient (c):  (6)

Amount of Water:  cf Multiply (3) x (5) x (6) (7)

#### 3. Size of Seepage Pit (Filled with AASHTO #4 Stone-40% Void Space)

Void Storage Space Required:  cf Equals (7)

Total Space Required:  cf  $(=(7)/0.4)$  (% may be adjusted to reflect actual void space) (8)

With of Pit:  ft (9)

Length of Pit:  ft (10)

Depth to Overflow:  ft (11)

Pit Size:  cf (12) Box (12) should be equal to or greater than Box (8)