

Wayne Township
Single-Family Residential
Stormwater Management Plan No. 1
Roof Drain Drywell

A. Criteria for Use:

1. Only 1/4 acre or less of land disturbance on the lot in order to use this plan (12,000 square feet).
2. The remainder of the property is to remain in its original wooded or vegetated condition. If any portion of the lot is a tilled field, it can be converted to grass.
3. Roof area less than 2,000 square feet.
4. House and garage to have gutters and downspouts which are piped to stormwater facilities.
5. Additional impervious area less than 2,000 square feet - driveways, sheds, pools, patios, etc.
6. Cannot be installed in hydric (wetland) soils or areas with shallow water table.

B. Construction Criteria:

1. Roof drain drywells to be constructed in accordance with attached drawings.
2. Protective screening on downspouts or gutter guards, and drainage filters to remove solids from piping prior to entering the drywell required.
3. Drywells are to be located a minimum of 10 feet from onlot sewage facilities.
4. Drywell stone to be wrapped in filter fabric to prevent soil from clogging the stone.
5. Stone to be uniform gradation - free of fines.
6. Pop-up drainage emitter or other method of overflow and inspection port must be provided for each drywell.
7. Storage volume can be made up in one to four drywells with the corresponding dimensions. Each drywell shall roughly receive runoff from equal amounts of roof area.

8. Property owner and contractor must implement any erosion and sediment controls necessary to comply with Township and State Regulations.

<u>Number of Drywells</u>	<u>Dimensions L X W X H (ft)</u>
1	10' x 32' x 2'
2	10' x 16' x 2'
3	10' x 10' x 2'
4	5' x 16' x 2'

C. Inspection Requirements:

1. Contractor or owner must call for inspection at initial earthmoving, after establishing rock-construction entrance, topsoil stockpile, and erosion controls. Inspection will be scheduled within 72 hours.
2. Contractor or owner must call for inspection when drywells are in place but before they are covered to verify number of drywells, drywell dimensions, stone gradation, and piping. Inspection will be scheduled within 72 hours.
3. Contractor or owner must call for final inspection at completion of earthmoving activities. Inspection will be scheduled within 72 hours. Note that the site must be fully stabilized for a complete final inspection. Driveways must be paved or stone. Lawns must be seeded and/or mulched, or sodded. Erosion controls must be removed (no bare dirt).

Note: If site is not acceptable at any of these inspections, additional site visits may be made - scheduled or unscheduled.

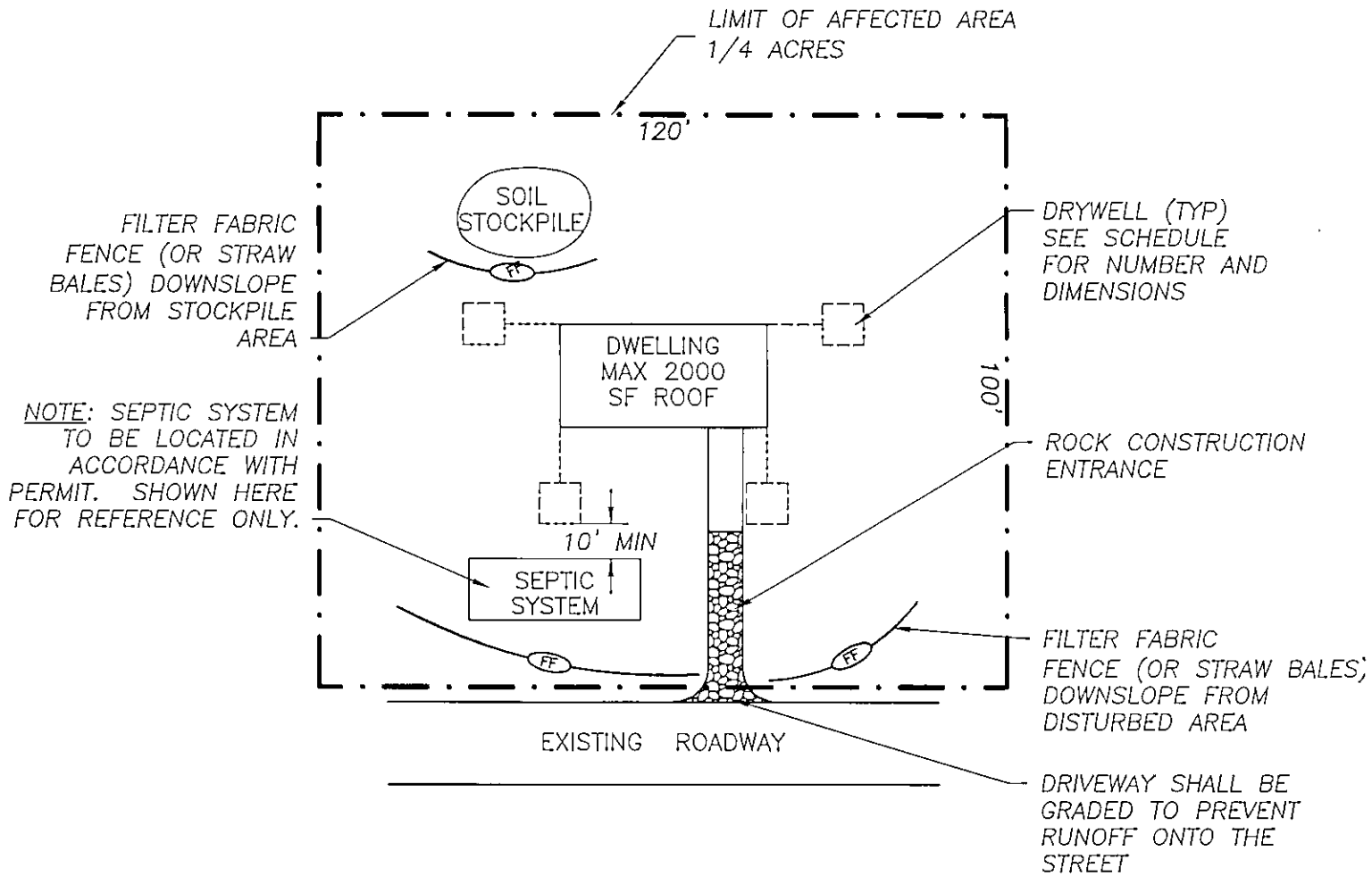
D. Attachments:

1. Typical stormwater facilities layout
2. Typical roof drain drywell
3. Preventing clogs

E. Additional Reference Material: (not attached)

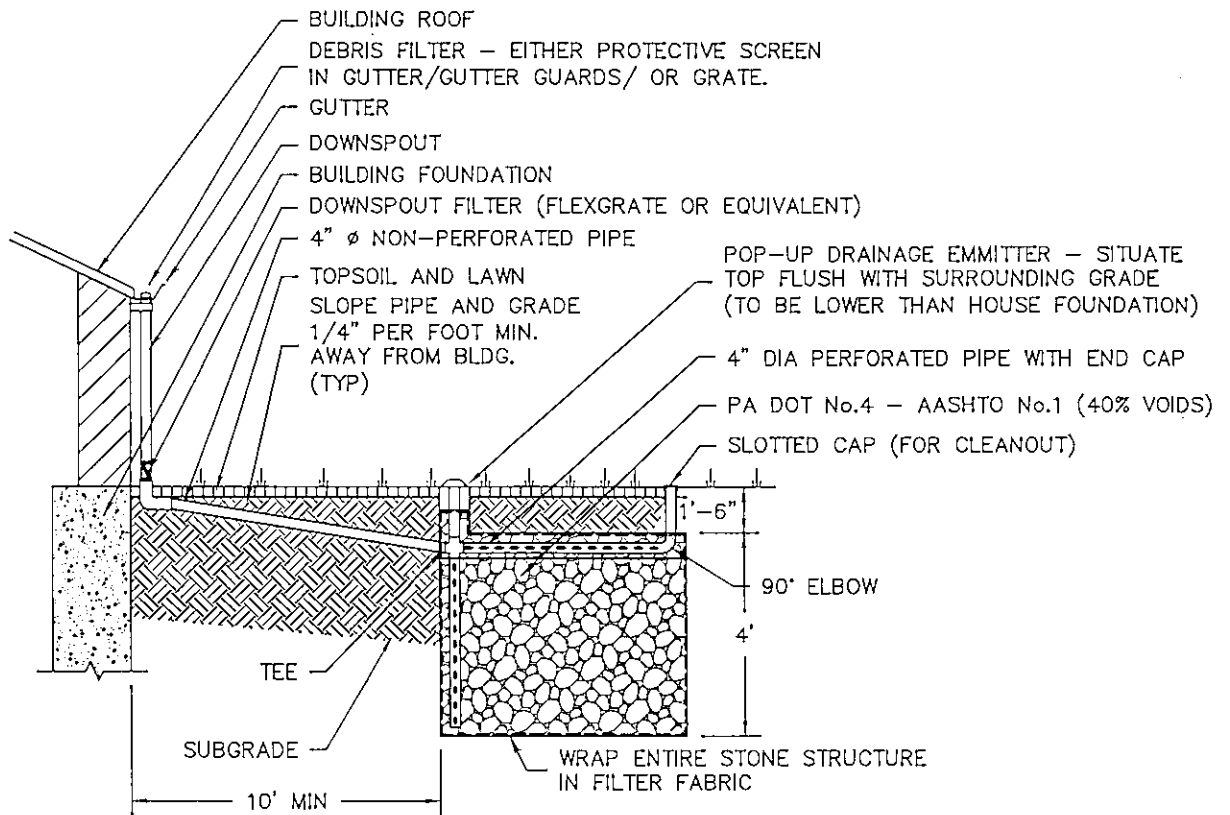
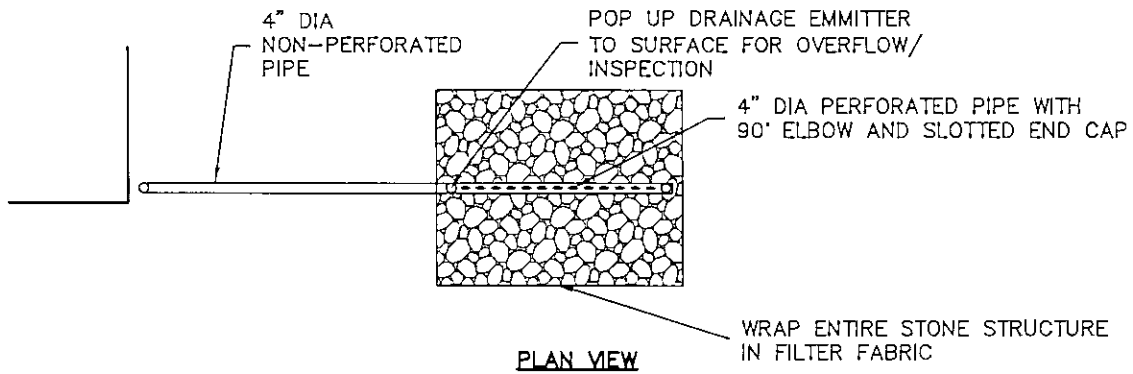
1. Erosion and Sediment Pollution Control Program Manual dated March 2012 PADEP document number 363-2134-008 (available at Schuylkill Conservation District Office (570) 622-3742, ext. 5 or online at www.dep.state.pa.us).
2. Wayne Township Stormwater Management Ordinance.

3. Erosion and Sediment Control Plan Guide for Small Projects in Schuylkill County, dated 3/24/2008, Schuylkill County Conservation District Document. (Available at Schuylkill Conservation District Office (570) 622-3742, ext. 5).



TYPICAL PLAN: ANY REVISIONS BY PROPERTY OWNER TO BE MADE ACCORDING TO THE CONDITIONS OF THE PLAN AND NOTES.

TYPICAL STORMWATER FACILITIES LAYOUT ROOF DRAIN DRYWELL

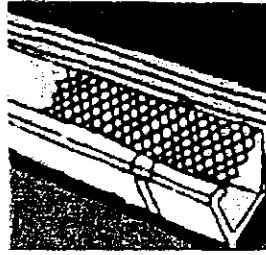


TYPICAL ROOF DRAIN DRYWELL STORAGE DETAIL

N.T.S.

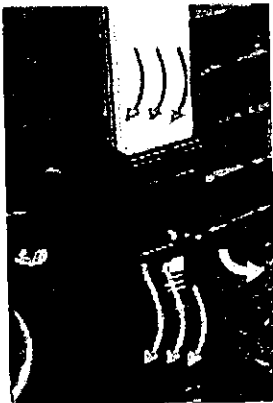
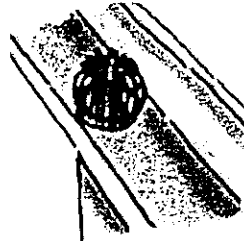
Preventing Clogs

Keep leaves, twigs and other materials out of your gutters by installing protective gutter guards. There are two types:



- Inexpensive metal or plastic screens keep the leaves out of the gutter, but may trap them on top of the screen.
- Solid gutter shields are more expensive but extend across most of the gutter width allowing water to roll into the gutter while leaves and foreign materials are pushed over the side.

Protective screens are also available to put inside the gutters to prevent debris from entering downspouts. This is a particularly good idea if your downspouts empty into drainlines, since it reduces the possibility that those lines will become stopped up.



The FlexGrate Landscape Drainage Filter connects your downspout to your drainage pipe. It prevents clogging by filtering leaves and debris out of the downspout.