

Stormwater BMPs for the Homeowner

West Hanover Township Authority
Informational Meeting

March 23, 2021



What does the Conservation District do?

- Dauphin County, like West Hanover Township, has an MS4 Permit which the Conservation District oversees.
- DCCD has a Memorandum of Understanding (MOU) with each municipality to administer Chapter 102 (E&S and PCSM) which is required under the Township's MS4 Permit.
- DCCD works with municipalities to achieve their public education and participation requirements under the MS4 Permit.
- Acts as a resource to assist municipalities wherever possible on mutually beneficial projects.

Downspout Disconnect

Benefits:

1. Simple BMP to implement
2. Can reduce the peak velocity and volume of runoff
3. Can be used in conjunction with other BMPs to improve the effectiveness



Vegetative Filter Strip

1. By discharging roof water to a well vegetated area, runoff has a chance to infiltrate into the ground
2. Runoff that does not infiltrate will have a lower velocity than that discharging through a pipe.
3. Pollutants can be filtered out of the runoff prior to it entering the storm sewer and/or stream



Rain Barrel

Benefits:

1. When used properly, it helps reduce peak velocity and volume of runoff
2. Helps reduce peak water demand during summer months
3. Applicable to all sites
4. Inexpensive to install and maintain



Block Pavers

Benefits:

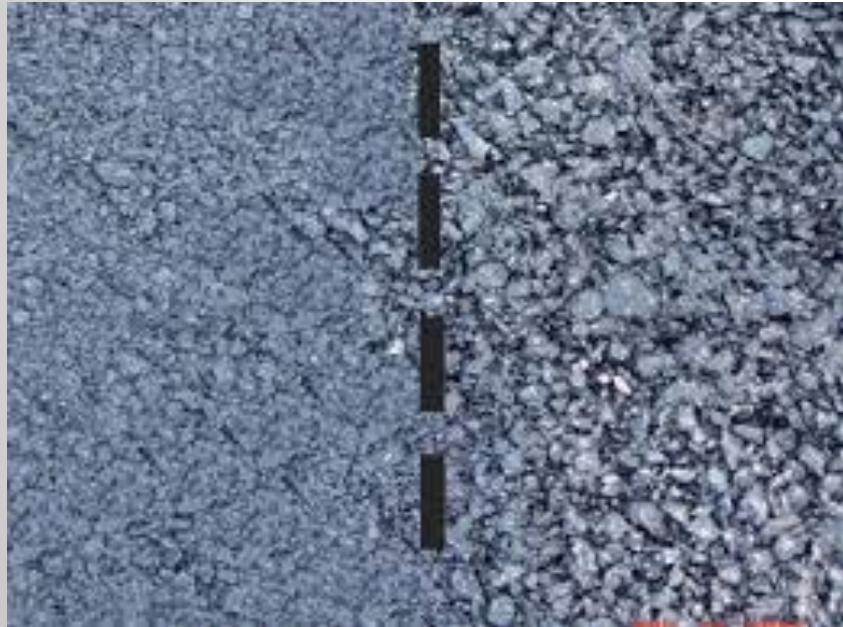
1. Allows runoff to infiltrate between the individual pavers
2. As functional as solid asphalt or concrete
3. Come in a wide variety of shapes and colors
4. Easy to install



Porous Asphalt and Concrete

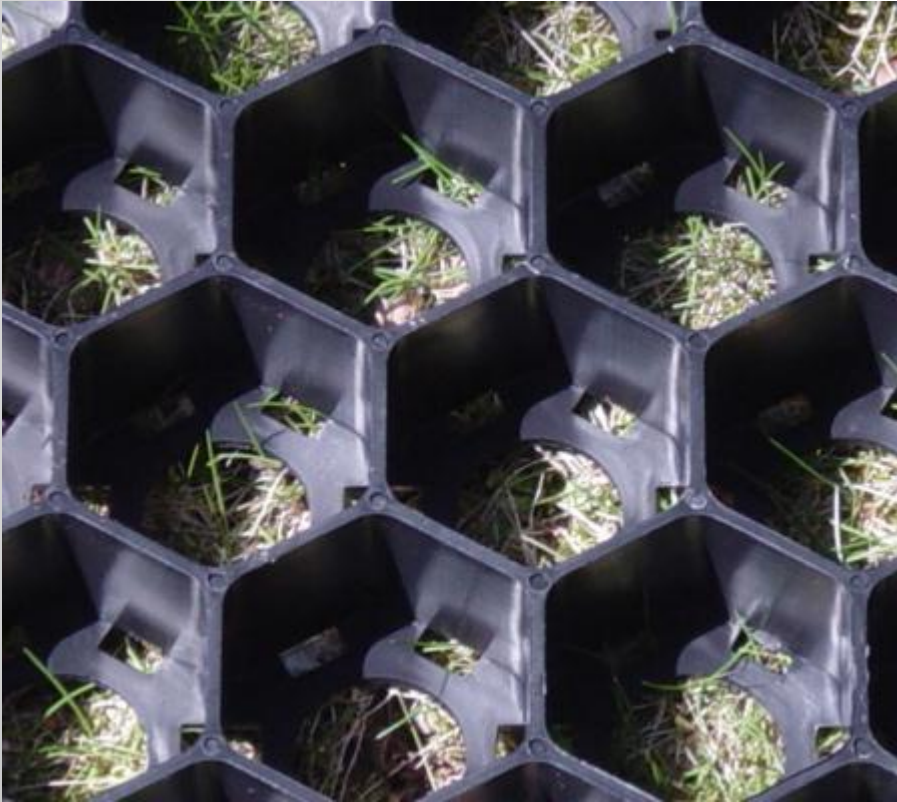


Porous Asphalt and Concrete





Turf Pavers

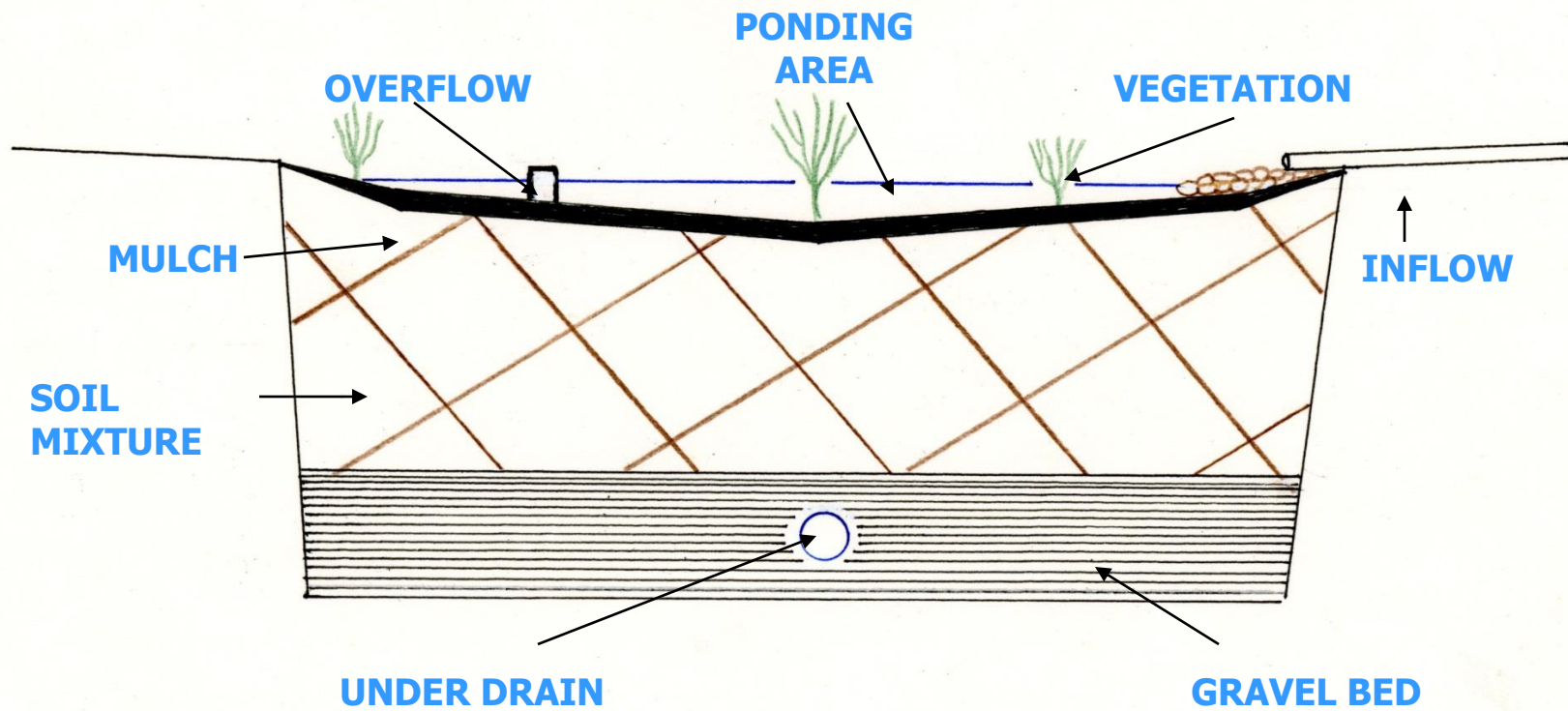


Rain Garden

Benefits:

1. Filters runoff prior to discharge to the storm sewer or stream
2. Reduces peak velocity and volume of runoff
3. Can be used on a variety of sites
4. Can recharge the groundwater supply
5. Enhanced aesthetics of the property
6. Provides habitat for wildlife and pollinators





TYPICAL ELEMENTS OF A RAIN GARDEN

Contact Information

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