NJ's Stormwater Management Regulations

ANJEC Commissioner Training

March 22, 2023 Virtual Class









2004 Stormwater Management Regulations

 Reduce peak flows and flooding

...and....

- Maintain infiltration and groundwater recharge
- Reduce pollution discharged to local waterways



ABC Action News, August 27, 2012



2021 Stormwater Management Regulations

 All major development must use green infrastructure to comply with the New Jersey Stormwater Regulations





NJDEP Green Infrastructure Definition

A stormwater management measure that manages stormwater close to its source by:

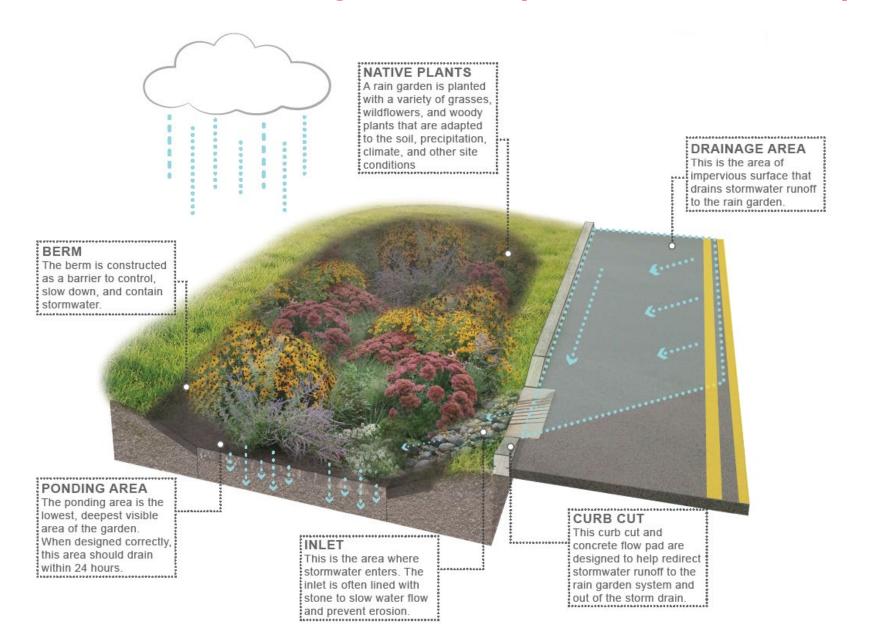
- 1. Treating stormwater runoff through infiltration into subsoil
- Treating stormwater runoff through filtration by vegetation or soil
- 3. Storing stormwater runoff for reuse





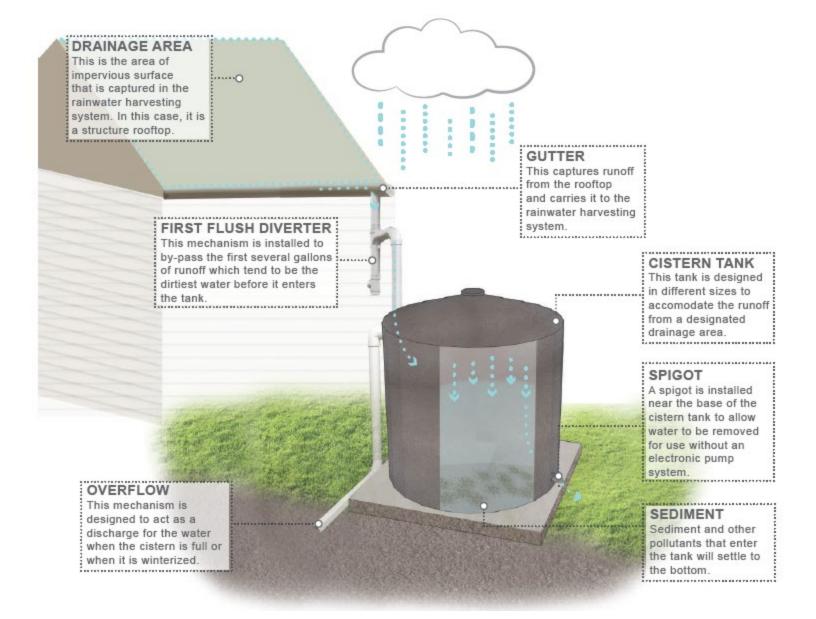


Bioretention Systems (Rain Gardens)





Cisterns



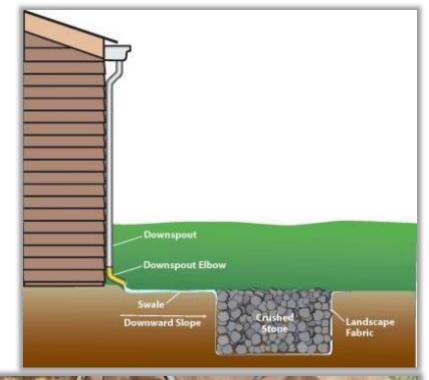


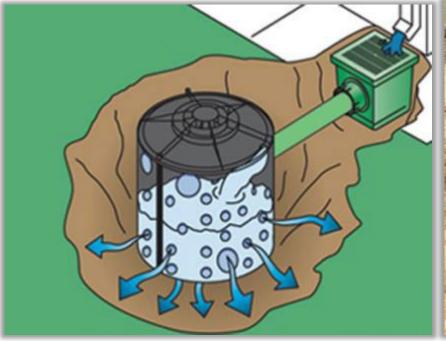






Dry Wells



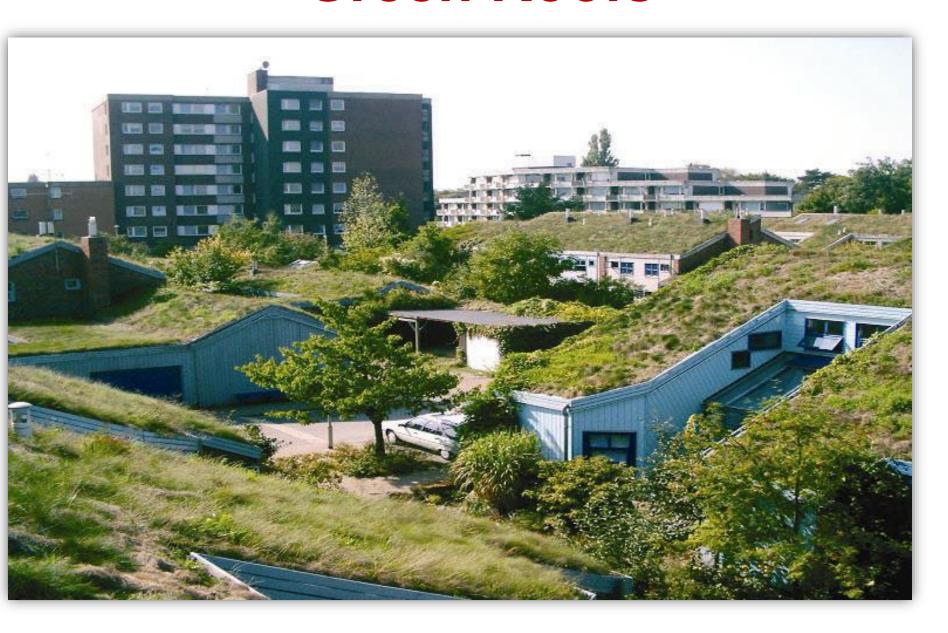




Grass Swales



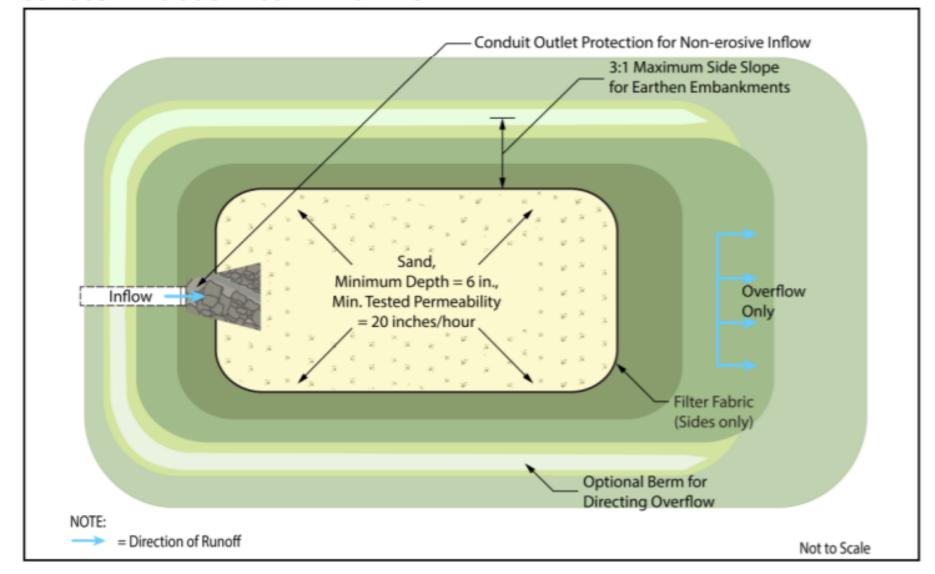
Green Roofs



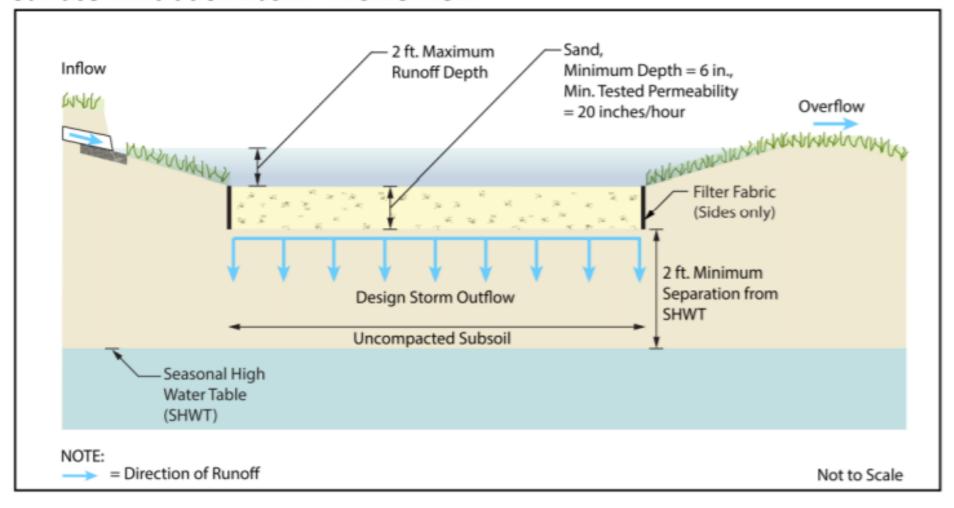


Infiltration Systems

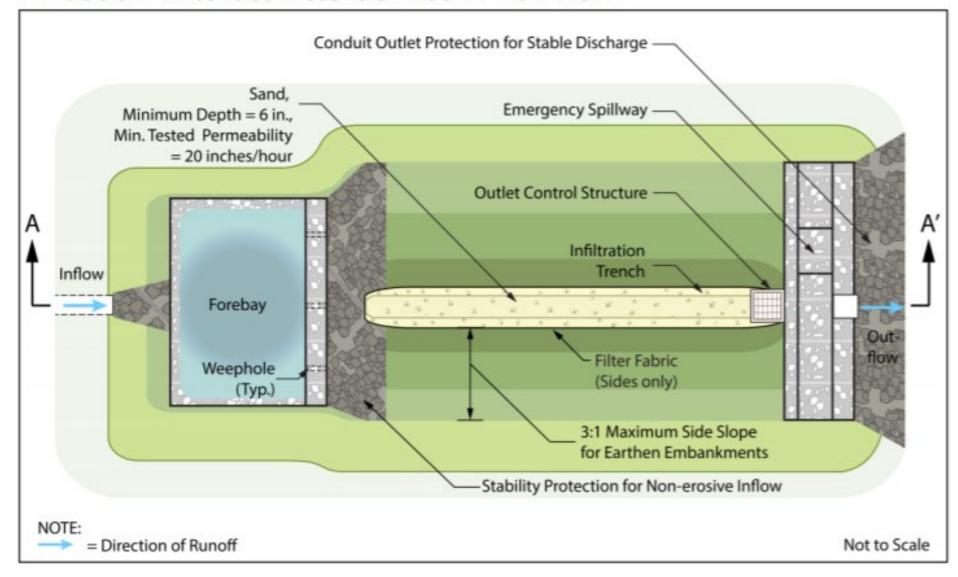
Surface Infiltration Basin – Plan View



Surface Infiltration Basin – Profile View

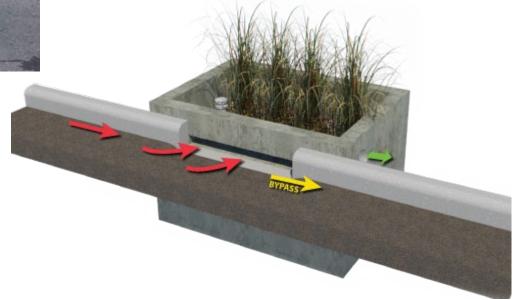


Infiltration - Extended Detention Basin: Plan View

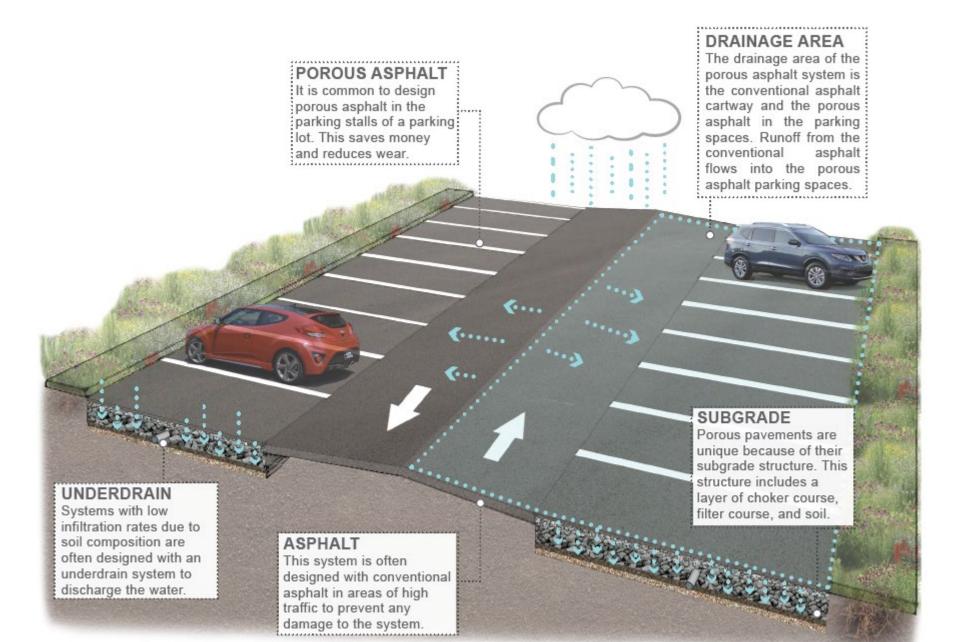


Green Infrastructure Manufactured Treatment Device





Permeable Pavement



Porous Asphalt



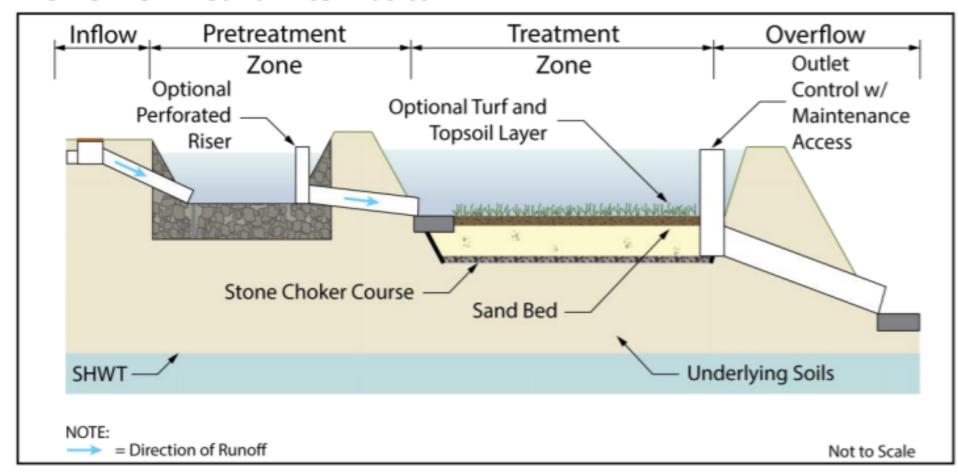




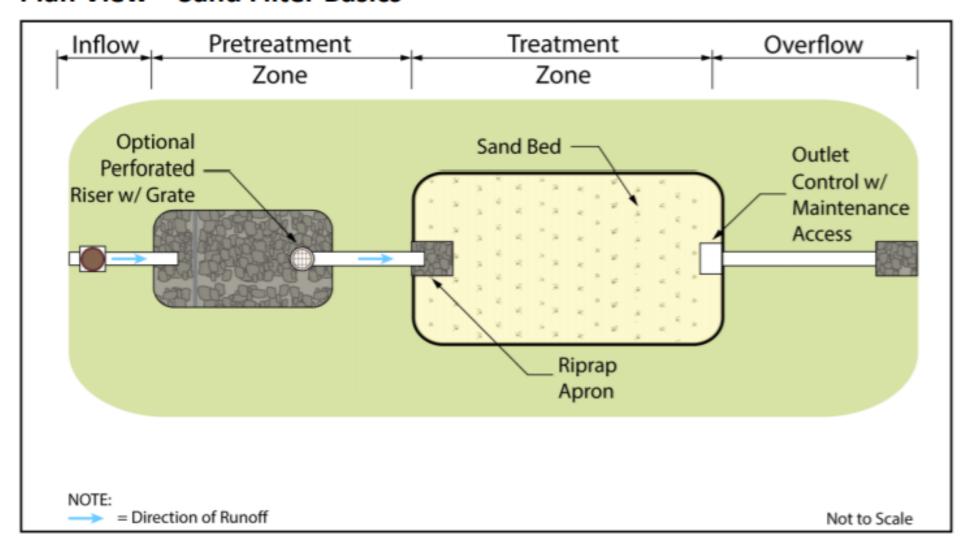


Sand Filter

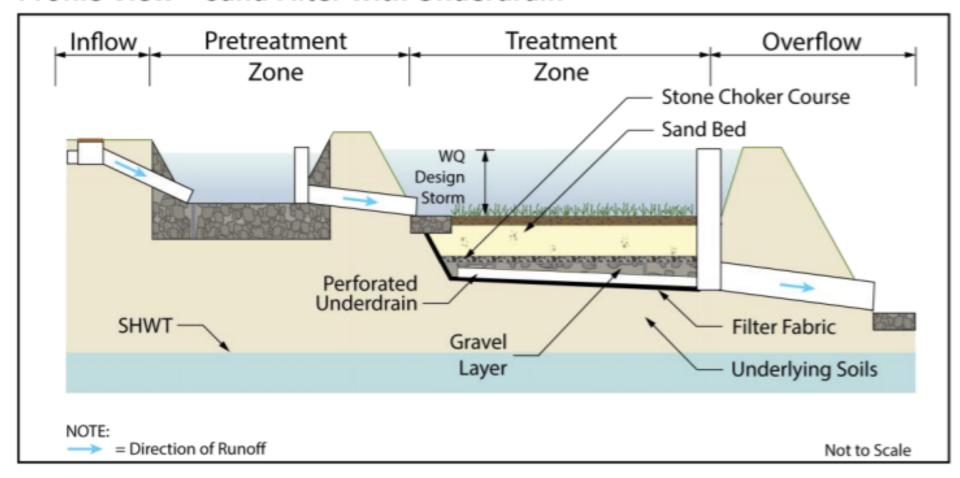
Profile View – Sand Filter Basics



Plan View – Sand Filter Basics



Profile View - Sand Filter with Underdrain



Plan View - Sand Filter with Underdrain

