



Post Construction Stormwater BMPs

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DNREC Sediment and Stormwater Program

What do Stormwater BMPs do?

- Storage
- Runoff Reduction
- Pollutant Removal

Stormwater Quantity Management

- Rate of runoff
 - cfs
 - gal/min
- Volume of runoff
 - ac-ft
 - gallons



Runoff Reduction



- Required approach for water quality management
- Reduce runoff volume:
 - Canopy interception
 - Surface recharge
 - Evaporation
 - Rainfall harvesting
 - Infiltration
 - Evapotranspiration

Stormwater Quality



- Managing Pollutants
 - Sediment
 - Nutrients
 - Bacteria
 - Metals
 - Pesticides /
Herbicides
 - Hydrocarbons
 - Trash & Debris

Technical Document

3.06.2 Post Construction Stormwater BMP Standards and Specifications March 2013



3.06.2

Standards & Specifications for
Post-Construction Stormwater
BMPs

3.06.2 Standards & Specifications for Post-Construction Stormwater BMPs

1. Infiltration
2. Bioretention
3. Permeable Pavement
4. Vegetated Roofs
5. Rainwater Harvesting
6. Restoration Practices
7. Rooftop Disconnection
8. Vegetated Channels
9. Sheet Flow to Open Space
10. Detention Practices
11. Filtering Systems
12. Constructed Wetlands
13. Wet Ponds
14. Soil Amendments
15. Proprietary Practices
16. Source Controls

Infiltration - Basin



Infiltration - Trench



Bioretention



Bioretention



Bioretention – “Rain Garden”



Bioretention



Permeable Pavement



Permeable Pavement



Vegetated Roofs



Vegetated Roofs



Vegetated Roofs



Rainwater Harvesting



Rainwater Harvesting



Restoration Practices



Restoration Practices



Restoration Practices



Rooftop Disconnection



Vegetated Channels



Vegetated Channels



Vegetated Channels



Sheet Flow to Open Space



Detention Practices



Detention Practices



Filtering Systems



Filtering Systems



Constructed Wetlands



Wet Ponds



Wet Ponds



Wet Ponds



Soil Amendments



Proprietary Practices



Proprietary Practices



Source Controls



What do Stormwater BMPs do?

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Questions?

Low Impact Development