



FREDERICK

MARYLAND

BMP DESCRIPTION GUIDE

Use the following guidelines when completing the *BMP Description* section of the *SWM Design Form* or *Notice of Construction Completion Form*.

BMP Name

To be in the format: "Site Name – Facility Name"

For example a dry swale proposed in a subdivision named Tuscarora Commons could be named "Tuscarora Commons – Grass Swale 2A"

BMP Type and Class

BMP Class and Type codes can be found using the table below.

| Description | Type | Class |
|-------------------------------------|------|-------|
| ESD – Alternative Surfaces (A) | | |
| Green Roof – Extensive | AGRE | E |
| Green Roof – Intensive | AGRI | E |
| Permeable Pavements | APRP | E |
| Reinforced Turf | ARTF | E |
| ESD – Non Structural Techniques (N) | | |
| Disconnection of Rooftop Runoff | NDRR | E |
| Disconnection of Non-Rooftop Runoff | NDNR | E |
| Sheetflow to Conservation Areas | NSCA | E |
| ESD – Micro-Scale Practices (M) | | |
| Rainwater Harvesting | MRWH | E |
| Submerged Gravel Wetlands | MSGW | E |
| Landscape Infiltration | MILS | E |
| Infiltration Berms | MIBR | E |
| Dry Wells | MIDW | E |
| Micro-Bioretenion | MMBR | E |
| Rain Gardens | MRNG | E |
| Grass Swale | MSWG | E |
| Wet Swale | MSWW | E |
| Bio-Swale | MSWB | E |
| Enhanced Filters | MENF | E |

| Description | Type | Class |
|------------------------------------|-------|-------|
| Structural – Ponds (P) | | |
| Extended Detention Structure, Wet | PWED | S |
| Retention Pond (Wet Pond) | PWET | S |
| Multiple Pond System | PMPS | S |
| Pocket Pond | PPKT | S |
| Micropool Extended Detention Pond | PMED | S |
| Structural – Wetlands (W) | | |
| Shallow Marsh | WSHW | S |
| Extended Detention – Wetland | WEDW | S |
| Wet Pond – Wetland | WPWS | S |
| Pocket Wetland | WPKT | S |
| Structural – Infiltration (I) | | |
| Infiltration Basin | IBAS | S |
| Infiltration Trench | ITRN | S |
| Structural – Filtering Systems (F) | | |
| Bioretention | F BIO | S |
| Sand Filter | FSND | S |
| Underground Filter | FUND | S |
| Perimeter (Sand) Filter | FPER | S |
| Organic Filter (Peat Filter) | FORG | S |
| Structural – Open Channels (O) | | |
| Dry Swale | ODSW | S |
| Wet Swale | OOWS | S |

| Description | Type | Class |
|---|------|-------|
| Structural – Other Practices (X) | | |
| Detention Structure (Dry Pond) | XDPD | S |
| Extended Detention Structure, Dry | XDED | S |
| Flood Management Area | XFLD | S |
| Oil Grit Separator | XOGS | S |
| Other | XOTH | S |
| MDE Approved Alternative BMP Classifications | | |
| Mechanical Street Sweeping | MSS | A |
| Regenerative/Vacuum Street Sweeping | VSS | A |
| Impervious Surface Elimination (to pervious) | IMPP | A |
| Impervious Surface Elimination (to forest) | IMPF | A |
| Planting Trees or Forestation on Pervious Urban | FPU | A |
| Catch Basin Cleaning | CBC | A |
| Storm Drain Vacuuming | SDV | A |
| Stream Restoration | STRE | A |
| Outfall Stabilization | OUT | A |
| Regenerative Step Pool Conveyance | SPSC | A |
| Shoreline Management | SHST | A |
| Septic Pumping | SEPP | A |
| Septic Denitrification | SEPD | A |
| Septic Connection to WWTP | SEPC | A |

Construction Type

Construction types are as defined by MDE. The following 4-digit codes are to be used to identify the construction type.

New Development – NEWD Restoration – REST Redevelopment – REDE Conversion - CONV

BMP ID

BMP IDs are assigned by the City and will be in the format FCYYBMP000123.

If converting an existing facility provide the existing facility BMP ID. If unknown contact the Engineering Department.

Last Revised: March 2019

ENGINEERING DEPARTMENT