



# STORMWATER BEST MANAGEMENT PRACTICE (BMP) HOW TO USE LOW IMPACT DEVELOPMENT LIST #1 FOR ON-SITE STORMWATER MANAGEMENT (Minimum Requirement #5)

## *How do I know if a BMP is infeasible?*

All BMPs are initially considered feasible until demonstrated otherwise. They must be considered in the order shown below for each surface type.

A BMP may be considered infeasible based on-site conditions such as steep slopes, shallow water table, high shorelines, or unsuitable soils. A BMP may also be infeasible if parcel size, setbacks, or other site regulations make BMP installation or dispersion areas impossible. **See COBI form B109b, STORMWATER BEST MANAGEMENT PRACTICE (BMP) INFEASIBILITY WORKSHEET**, and the references below for specific information on each BMP.

Cost is not a factor for determining infeasibility.

The Stormwater Management Manual for Western Washington lists specific applications, limitations, infeasibility criteria, and design guidelines for each BMP.

All Bioretention BMP's should be considered in a modified format to include underdrains prior to continuing down the list of BMP's.

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| <b>FOR ALL PROJECTS</b>   | A Stormwater Pollution Prevention Plan (SWPPP) is required. Complete COBI form B109d, <i>MR#2 – Stormwater Pollution Prevention Plan (SWPPP) Narrative</i> |
| <b>FOR ALL LAWNS,<br/>PLANTING BEDS, AND<br/>OTHER LANDSCAPED<br/>AREAS</b> | Soil amendment, per BMP T5.13, is required for all lawn and landscaped areas.  |

## FOR ROOFS

Consider each BMP in the order shown.  
Use the first BMP that is feasible.

**STEP 1. Choose one of the following:**  
Full Dispersion OR  
Downspout Full Infiltration System

ONLY if Step 1 is infeasible,  
proceed to Step 2.

**STEP 2. Choose one of the following:**  
Rain Garden OR  
Bioretention

ONLY if Step 2 is infeasible,  
proceed to Step 3.

**STEP 3. Choose the following:**  
Downspout Dispersion System

ONLY if Step 3 is infeasible,  
proceed to Step 4.

**STEP 4. Choose the following:**  
Perforated Stub-out Connection

ONLY if Step 4 is infeasible,  
proceed to Step 5.

**STEP 5. If all steps above are infeasible:**  
No other BMP is required for roofs.

## FOR ALL OTHER HARD SURFACES

(including but not limited to  
gravel or paved roads,  
driveways, sidewalks,  
parking areas, patios,  
and storage areas)

Consider each BMP in the order shown.  
Use the first BMP that is feasible.

**STEP 1. Choose the following:**  
Full Dispersion

ONLY if Step 1 is infeasible,  
proceed to Step 2.

**STEP 2. Choose one of the following:**  
Permeable Pavement OR  
Rain Garden OR  
Bioretention

ONLY if Step 2 is infeasible,  
proceed to Step 3.

**STEP 3. Choose the following:**  
Sheet Flow Dispersion  
Concentrated Flow Dispersion

ONLY if Step 3 is infeasible,  
proceed to Step 4.

**STEP 4. If all steps above are infeasible:**  
No other BMP is required for other hard surfaces.