

Worksheet B8

Sheet Flow Dispersion (BMP T5.12)



Sheet Flow Dispersion can only be utilized for hard surfaces if full dispersion, permeable pavement, and rain gardens/bioretention are all infeasible. Applicants must submit this completed worksheet if selecting this technology. To complete this worksheet, applicant must:

1. Review infeasibility criteria below to determine if this BMP is feasible
2. Check that applicable design criteria below is met
3. Submit Site plan showing approximate location of technology and relevant setbacks, etc.



{ Step 1: Review Infeasibility Criteria }

If any of the following infeasibility criteria are met, this technology is considered infeasible. Applicant must list the specific infeasibility criteria below on the Stormwater Site Plan (Worksheet A1) and move on to the next BMP technology.

Infeasibility Criteria
Use of concentrated flow dispersion would result in erosion and/or flooding of an adjacent property.
Runoff would be discharged to a landslide hazard area.
Runoff would be discharged on or above slopes greater than 20%.
The sheet flow dispersion path cannot feasibly be located at least 10 feet downgradient from a septic system.



{ Step 2: Review Applicable Design Criteria }

Complete the following checklist (list "N/A" where design criteria does not apply). Also, complete table below for vegetated buffer width.

Design Criteria for Sheet Flow Dispersion		
Applicant	Reviewer	Criteria
		Project does not trigger any of the infeasibility requirements above.
		Provide a 2 foot wide transition zone to discourage channeling between the edge of the impervious surface (or building eaves) and the downslope vegetation. This transition zone must consist of an extension of subgrade material (crushed rock), modular pavement, or drain rock.
		Provide a 10 foot wide vegetated buffer for up to 20 feet of width of paved or impervious surface. Provide an additional 10 feet of vegetated buffer width for each additional 20 feet of impervious surface width, rounding up to the nearest increment of 10 feet.

Impervious surface width in feet: _____
Vegetated buffer width in feet (circle one): 10 20 30 40 50



{ Step 3: Submit Site Plan }

Submit a site plan that contains all of the following information:

- Scale and North arrow
- Location of proposed trench and/or berms
- Area of hard surface draining to flow dispersion trench or berm
- Dimensions of proposed trench and/or berms (L x W x H)
- Length of vegetated flow path
- Dimension to nearby property lines, structures, steep slope, lake, wetland, or other impervious surface where applicable