



Summary of Bio-Infiltration BMPs

Proposed Structural bio-Infiltration BMPs (site specific)	Infiltration Information					Drainage Information				BMP Information				
	Measured Infiltration Rate ¹ (in./hr)	Factor of safety (min. of 2)	Design Infiltration rate (in./hr)	De-watering time ² (hr)	Elevation of limiting zone-water table bedrock, etc. ³	Total drainage area to BMP (sq. ft)	Total impervious drainage area to BMP (sq. ft)	Infiltration BMP Surface area (sq. ft)	Volume of runoff tributary to BMP during the 2yr/24 hr design storm ⁴ (cf)	Calculated removed volume (cf)	Maximum water surface elevation in BMP from 2yr storm ⁵	Infiltration elevation bottom of bed/basin ⁵	Elevation of infiltration test ⁶	Elevation of E&S sediment basin bottom (if applies)

All information should be based on the 2-yr/24-hr storm.
Provide page numbers from the stormwater narrative identifying the location of the above information.

¹The infiltration testing information should be located on the plan view of the PCSM plan and should include infiltration test elevation and rate
²Can include active infiltration time-dewatering time should not exceed 72 hours after the 2-yr/24-hr storm
³Depth to limiting zone is recommended to be at least 2 ft below infiltration
⁴The value should be greater than or equal to the volume to be infiltrated or managed by the BMP
⁵A maximum of 2 ft hydraulic head is recommended
⁶Provide supporting field notes/documentation from soil evaluation

Any deviation from the recommendations above should be adequately justified by a qualified professional and included with the application.

Note: This chart is for summary purposes only and should be consistent with all design calculations and worksheets.