

**Stormwater BMP Information Chart 5.B revised March 15, 2016**

Proposed Infiltration BMP(s) (site specific)	Infiltration Information					Drainage Information						BMP Information					
	Measured Infiltration Rate <sup>9</sup>	Factor of Safety	Design Infiltration Rate	Dewatering Time <sup>1</sup>	Elevation of Limiting Zone - Water Table, Bedrock, etc. <sup>2</sup>	Total Drainage Area to BMP	Total Impervious Drainage Area to BMP	Infiltration BMP Surface Area	Total Drainage Area Loading Ratio <sup>6</sup>	Impervious Area Loading Ratio <sup>7</sup>	Volume of Runoff Tributary to BMP During the 2yr/24hr Design Storm <sup>5</sup>	Calculated Infiltration Volume (from storms up to and including 2yr/24hr)	Calculated Managed Volume (from storms up to and including 2yr/24hr) <sup>8</sup>	Maximum water surface elevation in BMP from 2yr storm <sup>3</sup>	Infiltration Elevation Bottom of Bed/ Basin <sup>3</sup>	Elevation of Infiltration Test <sup>4</sup>	Elevation of E&S Sediment Basin Bottom (if applies)
	<i>in./hr.</i>	<i>Min. of 2</i>	<i>in./hr.</i>	<i>hrs.</i>		<i>sq. ft.</i>	<i>sq. ft.</i>	<i>sq. ft.</i>			<i>cf</i>	<i>cf</i>	<i>cf</i>				
BMP 6.4.1 Pervious Pvmnt w. Infiltr. Bed																	
BMP 6.4.2 Infiltration Basin																	
BMP 6.4.3 Subsurface Infiltration Bed	0.00	N/A	0	69	none	35,414	12,576	4500	8	3	2,962	2,962	0	926.29	925.0	925.0	N/A
BMP 6.4.4 Infiltration Trench																	
BMP 6.4.5 Rain Garden/Bioretenion																	
BMP 6.4.6 Dry Well / Seepage Pit																	
Other																	
BMP 6.4.7 Constructed Filter																	
BMP 6.4.8 Vegetated Swale																	
BMP 6.4.9 Vegetated Filter Strip																	
BMP 6.4.10 Infiltr. Berm & Ret. Grading																	

All information to be based on the 2-year/24-hour storm  
Provide page numbers from the stormwater narrative identifying the location of the above information.

- <sup>1</sup> Can include active infiltration time - dewatering time should not exceed 72 hours after the 2-year/24-hour storm
- <sup>2</sup> Depth to limiting zone is recommended to be at least 2 ft below infiltration testing elevation/proposed infiltration elevation.
- <sup>3</sup> A maximum of 2 feet of Hydraulic head is recommended.
- <sup>4</sup> Provide supporting field notes/documentation from soil evaluation.
- <sup>5</sup> This value should be greater than or equal to the Volume to be Infiltrated or Managed by the BMP.
- <sup>6</sup> A maximum of 8:1 is recommended.
- <sup>7</sup> A maximum of 5:1 is recommended; however, in carbonate geology areas, a maximum of 3:1 is recommended.
- <sup>8</sup> Calculated runoff volume that is managed in ways other than infiltration to address 25 PA Code Ch 102.8(g)(2)
- <sup>9</sup> The infiltration testing information should be located on the plan view of the PCSM Plan and should include infiltration test elevation and rate.

**Any deviations 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.**

\* Notes:  
1. The dewatering time was calculated based on the underdrain design.