SMALL PROJECT APPLICATION

BMP Sizing Guidelines

Exhibit D.2

> **Guideline Review:** The following information is provided to assist the Property Owner/Applicant/Developer in selecting and sizing a Best Management Practice (BMP) consistent with the Ordinance. The Owner/Applicant/Developer may use multiple BMPs to meet required Capture and Infiltration/Retention Volume control. The Owner/Applicant/Developer may use alternative BMPs not listed here if desired but should follow PA DEP Guidelines when selecting alternative BMPs. Innovative practices should be reviewed with the Borough prior to submitting the Small Project Application.
>
> Use additional sheets as necessary to calculate additional quantities of the same BMP.

Dry Well (BMP A)

Depth	Width	Length	Total	Multiply Total by 0.4 for Volume Captured	Volume Captured
				Total (D x W x L) x 0.40 =	
				Total (D x A) x 0.40 =	
	Area (S.F.)				

Refer to PA Stormwater Best Management Practices Manual, BMP 6.4.6

Infiltration Trench (BMP B)

Pipe

Dia. (in)	Length	Multiply by Conv. Factor	Pipe Volume (4)	
6"		0.196 (cf/ft)		
8"		0.349 (cf/ft)		
12"		0.785 (cf/ft)		
TOTAL PIPE VOLUME (1)				

Stone Bedding

Depth	Width	Length	Total Stone Bed (2)	Total Pipe Volume (1)	Deduct Pipe Volume (2) – (1) = (3)	Multiply Total by 0.4 for Volume	Stone Bed Volume (5)
						(3) x 0.40 =	

Infiltration Trench Volume

Pipe Volume (4)	Stone Bed Volume (5)	(4) + (5) = Total

Refer to PA Stormwater Best Management Practices Manual, BMP 6.4.4

SMALL PROJECT APPLICATION

BMP Sizing Guidelines

Exhibit D.2

Rain Garden (BMP C)		
Pond Bottom Surface Area (sq. ft.) (1)	**Depth to lowest Outlet (ft) (2)**	**Volume (3) = (1) x (2)**
Pond Bottom Surface Area (sq. ft.) (4)	**Soil Depth (ft) (5)**	**Volume (6) = (4) x (5) x 0.4**
Total Volume (3) + (6)		
Refer to PA Stormwater Best Management Practices Manual, BMP 6.4.4		

Grading Feature (BMP D)		
Surface Area (sq. ft.) (1)	**Depth to lowest Outlet (ft) (2)**	**Volume (3) = (1) x (2)**

Other (BMP E)
Owner/Developer shall provide sufficient detail to describe proposed BMP and volume requirement when utilizing other BMPs not listed in Exhibit D.