

APPENDIX E

MWS-Linear Sizing Table for Mid Atlantic Region

Model #	Size (I.D)	Recommended Maximum <u>Commercial</u> Contributing Drainage Area (acres) where C = 0.85	Recommended Maximum <u>Residential</u> Contributing Drainage Area (acres) where C = 0.50
MWS-L-4-4	4' x 4'	0.16	0.27
MWS-L-3-6	6' x 3'	0.24	0.41
MWS-L-4-8	8' x 4'	0.35	0.60
MWS-L-4-13	13' x 4'	0.44	0.74
MWS-L-4-15	15' x 4'	0.53	0.91
MWS-L-4-17	17' x 4'	0.62	1.07
MWS-L-4-19	19' x 4'	0.72	1.23
MWS-L-4-21	21' x 4'	0.81	1.39
MWS-L-8-12	8'x 12'	1.05	1.80
MWS-L-8-16	8'x 16'	1.40	2.39

Notes:

1. All models are standard 4.13 feet depth (INV to TC)
2. Dimensions shown are internal. Please add 1 foot to each for external dimensions (using 6 inch walls)
3. In line with TR55 data, for commercial developments a minimum (runoff coefficient) C factor of 0.85 is recommended. For residential developments, use of C factors less than 0.5 require site review
4. This table is based upon an already approved sizing method commonly used for biofilter and tree-box type BMPs.
5. Sizing table is based upon removal of greater than 80% annual TSS load from runoff and typical for the North-East region



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