

APPENDIX-I: SCM DESIGN CONFIGURATION FOR THE PERFORMANCE CURVES

General Information	BMP Parameters	Biofiltration	Biofiltration with ISR	Infiltration Basin	Infiltration Trench	Dry Pond	Wet Pond	Sand Filter	Subsurface Gravel Wetland
Surface Storage Configuration	Orifice Height (ft)	0	0	0	0	0	0	0	0
	Orifice Diameter (in.)	0	0	0	0	4	0	0	0
	Rectangular or Triangular Weir	Rectangular	Rectangular	Rectangular	Rectangular	Rectangular	Rectangular	Rectangular	Rectangular
	Weir Height (ft)/Ponding Depth (ft)	0.5	0.33	2	0.5	6.0	6.0	0.5	2.2
	Crest Width (ft)	30	30	30	30	30	30	30	6
Soil Properties	Depth of Soil (ft)	2.5	2.0	0.001	6.0	0.001	0.001	2.5	0.67
	Soil Porosity (0-1)	0.2	0.45	0.4	0.4	0.3	0.3	0.3	0.4
	Vegetative Parameter A	0.9	0.6	0.9	0.9	0.1	0.1	0.8	0.9
	Soil Infiltration (in/hr)	2.5	4.5	background infiltration	background infiltration	0	0	2.5	4.4
Underdrain Properties	Consider Underdrain Structure?	Yes	Yes	No	No	No	No	Yes	Yes
	Storage Depth (ft)	1	2.5	0	0	0	0	1	2
	Media Void Fraction (0-1)	0.40	0.42	0	0	0	0	0.40	0.4
	Background Infiltration (in/hr)	0	0	variable	variable	0	0	0	0
Decay Rates	<i>E.coli</i> (1/hr)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Underdrain Removal Rates	<i>E.coli</i> (% , 0-1)	0.76	0.76	0.96	0.76	0.64	0.96	0.76	0.60