

## Treatment of Impervious by Nested ESD Practices

Practice ID	Practice Type	DA ft <sup>2</sup>	IA ft <sup>2</sup>	IA %	R <sub>V</sub>	Maximum PE (in.)	ESD <sub>v</sub> (ft <sup>3</sup> )	Credit Provided PE (in.)	ESD <sub>v</sub> (ft <sup>3</sup> )	Nested Facilities (Only)		
										PE Provided/ 2.5"	Fully Treated	
<u>Per Practice</u>											DA ft <sup>2</sup>	IA ft <sup>2</sup>
A	M-5	5,000	5,000	100	0.95	2.5	989	2.5	989	1	5,000	5,000
B	N-2	20,000	10,000	50	0.5	1	833	0.6	500	0.24	<u>4,800</u>	<u>2,400</u>
											Total: 9,800	7,400
C	M-8.1	100,000	50,000	50	0.5	2.5	10,416	0.96	4,000	0.38		
		<u>-9,800</u>	<u>-7,400</u>									
C (adjusted for nesting)	M-8.1	90,200	42,600	47.2	0.475	2.5	8,926	0.91	<u>3,232</u>			
Total ESD <sub>v</sub> provided in watershed C= 4,721ft <sup>3</sup>												

Notes:

Use adjusted C for ESD<sub>v</sub> and PE provided.

Use unadjusted DA & IA for hydrologic and hydraulic calculations and freeboard.

### ESD Practices

A-2	Permeable Pavements
N-1	Disconnection of Rooftop Runoff
N-2	Disconnection of Non-Rooftop Runoff
N-3	Sheetflow to Conservation Areas
M-1	Rainwater Harvesting
M-2	Submerged Gravel Wetland
M-3	Landscape Infiltration
M-4	Infiltration Berms
M-5	Drywells
M-6	Micro-Bioretenention
M-7	Rain Gardens
M-8.1	Grass Swale
M-8.2	Bio-Swale

