



SUMMARY OF INFILTRATION PERFORMANCE STANDARDS

Required %Infiltration Rate of Pre-Development Infiltration Volume Based on Average Annual Rainfall	
Development Type (Disturbing 1 or More Acres)	% Infiltration
New Development or In-Fill \geq 5 Acres	< 10% Connected Impervious – Exempt 10 - 40% Connected Impervious – 90% > 40% - 80% Connected Impervious – 75% > 80% Connected Impervious – 60%
New Transportation Facilities	80 % For Non-Arterial Roads in Residential Areas All Others Exempt
Re-Development or Highway Reconstruction	Exempt

Projects Disturbing <u>Less Than One Acre</u> That Require a Storm Water Permit	
Residential Development (1 or 2 Family Dwellings)	Meet Standards in Table Above OR Infiltrate 25% of Post-Development Runoff from the 2-Year 24-Hour Design Storm
Non-Residential Development	Meet Standards in Table Above OR Infiltrate 10% of Post-Development Runoff From the 2-Year 24-Hour Design Storm

Pre-Development Runoff Curve Numbers to Be Used For Cropland Areas When Determining Required Infiltration				
Hydrologic Soil Group	A	B	C	D
Runoff Curve Number	55	69	78	83



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SUMMARY OF INFILTRATION PERFORMANCE STANDARDS - continued

Required Separation Between Bottom of Infiltration System and Seasonal High Groundwater or Top of Bedrock	
Development Type	Minimum Separation Distance
Industrial, commercial, institutional parking lots and roads	5 Feet of Native Soil* or Engineered Soil
All Other Impervious Surfaces Other Than Rooftop	3 Feet of Native Soil* or Engineered Soil
Rooftop Draining to Subsurface Infiltration Practice	1 Foot of Native Soil* or Engineered Soil (finer than course sand)
Rooftop Draining to Vegetated Surface Infiltration Practice or Lawn	No Separation Requirement

*Soil Requirements for Infiltration Practices	
Soil Layer Depth	Minimum Percent Fines
3 Feet Minimum	20% or greater
5 Feet Minimum	10% or greater
Varies	Engineered Soil Provides Equivalent Level of Protection

Area Used as Effective Infiltration		
Development	Site Conditions / Development Type	Maximum % of Site Required for <u>Effective Infiltration</u>
All <u>New</u> Development Disturbing <u>1 or More</u> Acres	10 - 40% Connected Impervious	1%
	> 40% - 80% Connected Impervious	2%
	> 80% Connected Impervious	2%
Development Disturbing <u>< 1</u> Acre	Residential Development	1%
	Commercial Development	2%