

ZONING AND LAND DEVELOPMENT

94 Attachment 1

Borough of Shrewsbury

**Table 1: Typical Runoff Coefficients (C Values) for 100-Year Frequency Storm**

Land-Use Description	Hydrologic Soil Group					
	A	B	C	D		
Cultivated land:						
Without conservation treatment	0.49	0.67	0.81	0.88		
With conservation treatment	0.27	0.43	0.61	0.67		
Pasture or range land:						
Poor condition	0.38	0.63	0.78	0.84		
Good condition	NA	0.25	0.51	0.65		
Meadow: Good Condition	NA	NA	NA	NA		
Wood or Forrest Land:						
Thin stand, poor cover, no mulch	NA	NA	0.59	0.79		
Good cover	NA	NA	0.45	0.59		
Open Spaces, lawns, parks, golf courses, cemeteries:						
Good condition, grass cover on 75% or more of area	NA	0.25	0.51	0.65		
Fair condition, grass cover on 50%-75% of area	NA	0.45	0.63	0.74		
Commercial and business areas (85% impervious)	0.84	0.90	0.93	0.96		
Industrial districts (72% impervious)	0.67	0.81	0.88	0.92		
Residential:						
	<b>Average lot size</b>	<b>Average impervious</b>				
	1/8 acre	65%	0.59	0.76	0.86	0.90
	1/4 acre	38%	0.25	0.55	0.70	0.80
	1/3 acre	30%	NA	0.49	0.67	0.78
	1/2 acre	25%	NA	0.45	0.65	0.76
	1 acre	20%	NA	0.41	0.63	0.74
Paved parking lots, roofs, driveways, etc.	0.99	0.99	0.99	0.99		
Streets and roads:						
Paved with curbs and storm sewers	0.99	0.99	0.99	0.99		
Gravel	0.57	0.76	0.84	0.88		
Dirt	0.49	0.69	0.80	0.84		
NOTE: NA denotes information is not available; design engineers should rely on another authoritative source.						
SOURCE: Technical Manual for Land Use Regulation Program, Department of Environmental Protection, Bureaus Inland and Coastal Regulations, Stream Encroachment Permits (Trenton, New Jersey, revised September 1995)						