

STORMWATER MANAGEMENT

221 Attachment 4

Township of West Manheim

Table 1
Runoff Curve Numbers
[From NRCS (SCS) TR-55]

Land Use Description		Hydrologic Soil Group			
		A	B	C	D
Open space		44	65	77	82
Meadow		30**	58	71	78
Agricultural		59	71	79	83
Forest		36**	60	73	79
Commercial	(85% Impervious)	89	92	94	95
Industrial	(72% Impervious)	81	88	91	93
Institutional	(50% Impervious)	71	82	88	90
Residential					
Average Lot Size	% Impervious				
1/8 acre or less*	65	77	85	90	92
1/8 to 1/3 acre	34	59	74	82	87
1/3 to 1 acre	23	53	69	80	85
1 to 4 acres	12	46	66	78	82
Farmstead		59	74	82	86
Smooth surfaces (concrete, asphalt, gravel or bare compacted soil)		98	98	98	98
Water		98	98	98	98
Mining newly graded areas (pervious areas only)		77	86	91	94

NOTES:

* Includes multifamily housing unless justified lower density can be provided.

** Caution - CN values under 40 may produce erroneous modeling results.

NOTE: Site conditions of bare earth or fallow shall be considered as “meadow” when choosing a CN value for existing undeveloped conditions.