

Example Data Summary Sheet for Stormwater Management Plan

Project Name: Rolling Acres **Project Size:** 120 Acres **Project type:** Residential Subdivision **No. of Lots:** 180
Number of Runoff Discharge Points: 3 **Watershed (ultimate discharge):** Pewaukee Lake (via unnamed tributary)
Watershed Area (including off-site runoff traveling through project area): 140 acres (20 acres off-site)
Public Land Survey Location: SE1/4, Section 32, T8N R19E (Pewaukee Township)

Summary Data Elements	Subwatershed A		Subwatershed B		Subwatershed C	
	Pre-develop	Post-develop	Pre-develop	Post-develop	Pre-develop	Post-develop
Watershed Areas (see attached map)	100 acres	120 acres	20	10	20	10
Average Watershed Slopes	2-8%	2-8%	3-6%	3-6%	6-8%	6-8%
Land Uses (% of each, see attached map)	75 ac. cropland 15 ac. brush 10 ac. woodland	110 ac. ½ ac. lots 5ac. brush 5 ac. woodlands	100% cropland	100% ½ ac. lots	100% Woodland	100% ½ acre lots
Runoff Curve Numbers	68 x 75 ac.= 5100 30 x 25 ac.= 750 <u>Net 5850/100 ac.</u> RCN = 59	70 x 110 ac.= 7700 <u>10 x 10 ac.= 100</u> <u>Net 7800/120ac</u> RCN = 65	RCN = 68 (state standard)	RCN = 70	RCN = 55	RCN = 70
Conveyance Systems Types	Grass waterway	50% grass swale 50% storm sewer	100% bare channel	100% grass swale	100% natural channel	100% storm sewer
Summary of Average Conveyance System Data	8' bottom/4:1 ss 2' depth/3% grade	2' depth swale/3% 30" r/c sewer/2% (see calcs.)	15' (w) top 1' (d) parabolic 2% grade	2' deep standard road ditch 2% grade	15' top (w) 1' (d) parabolic 4% grade	2' deep standard road ditch 4% grade
Time of Concentration (Tc) (see attached map & worksheets)	1.1 hrs.	0.97 hrs.	0.74 hrs.	0.65 hrs.	0.45 hrs.	0.35 hrs.
Runoff volume: 25% of 2-yr 24-hr storm, post-developed	N/A	0.94 ac. ft.	N/A	0.18 ac. ft.	N/A	0.19 ac. ft.
Runoff volume: first half-inch	N/A	5.0 ac. ft.	N/A	0.41 ac. ft.	N/A	0.41 ac. ft.
Peak Flow: 1-year/24 hour (see attached hydrographs)	2.0 cfs	7.6 cfs	0.7 cfs	0.6 cfs	0.6 cfs	0.6 cfs
Peak Flow: 2-yr./24 hour	5.4 cfs	15.9 cfs	1.1 cfs	0.8 cfs	1.2 cfs	1.1 cfs
Peak Flow: 10-yr./24 hour	31.1 cfs	59.3 cfs	3.4 cfs	3.3 cfs	4.6 cfs	4.2 cfs
Peak Flow: 100-yr./24 hour	84.5 cfs	132 cfs	13 cfs	11 cfs	15 cfs	14 cfs