

Stormwater Detention and Infiltration Design Data Sheet

Worksheet Protected

User Input: Watershed Characteristics

Watershed Slope = 0.035 ft/ft

Watershed Length = 4090 ft

Watershed Area =	98.90	acres
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Watershed Imperviousness = 49.1% percent

Percentage Hydrologic Soil Group A = 0.0% percent

Percentage Hydrologic Soil Group B = 100.0% percent

Percentage Hydrologic Soil Groups C/D = 0.0% percent

Location for 1-hr Rainfall Depths (use dropdown):

User Input

WQCV Treatment Method = Extended Detention

[illegible]

After completing and printing this worksheet to a pdf, go to:

<https://maperture.digitaldataservices.com/gvh/?viewer=cswdif>

create a new stormwater facility, and

attach the pdf of this worksheet to that record.

Routed Hydrograph Results

Design Storm Return Period =		WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.53	1.00	1.28	1.55	2.34	2.74		in
Calculated Runoff Volume =	1.680	3.506	4.870	6.863	13.542	17.231		acre-ft
OPTIONAL Override Runoff Volume =								acre-ft
Inflow Hydrograph Volume =	1.680	3.505	4.869	6.862	13.535	17.224		acre-ft
Time to Drain 97% of Inflow Volume =	37.7	52.8	61.7	66.9	62.0	59.4		hours
Time to Drain 99% of Inflow Volume =	41.2	57.8	67.6	73.7	71.2	69.7		hours
Maximum Ponding Depth =	2.20	3.55	4.49	5.63	7.57	8.32		ft
Maximum Poned Area =	1.23	1.34	1.46	1.54	1.68	1.69		acres
Maximum Volume Stored =	1.532	3.276	4.601	6.300	9.440	10.693		acre-ft

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