

Stormwater Detention and Infiltration Design Data Sheet

Worksheet Protected

Watershed Slope =	0.036
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Watershed Length =	430	ft
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Watershed Area = 2.25 acres

Watershed Imperviousness = **61.8%** percent

Percentage Hydrologic Soil Group A = 100.0% percent

percentage Hydrologic Soil Groups C/D = 0.0% percent

Percentage Hydrologic Soil Groups C/D =	0.0%	percent
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User Input

WQCV Treatment Method = Sand Filter

[illegible]

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

attach the pdf of this worksheet to that record.

Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.53	1.19	1.50	1.75	2.25	2.52	in
Calculated Runoff Volume =	0.036	0.117	0.153	0.186	0.273	0.327	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.035	0.117	0.152	0.186	0.272	0.326	acre-ft
Time to Drain 97% of Inflow Volume =	21.3	24.1	24.4	24.6	23.5	22.8	hours
Time to Drain 99% of Inflow Volume =	27.6	30.3	30.6	30.9	29.8	29.1	hours
Maximum Ponding Depth =	0.38	1.12	1.38	1.62	2.02	2.27	ft
Maximum Poned Area =	0.08	0.11	0.12	0.12	0.14	0.15	acres
Maximum Volume Stored =	0.030	0.100	0.130	0.158	0.210	0.246	acre-ft

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