

Stormwater Detention and Infiltration Design Data Sheet

Worksheet Protected

User Input: Watershed Characteristics

Watershed Slope = 0.060 ft/ft

Watershed Length = 454 ft

Watershed Area = 1.71 acres

Watershed Imperviousness = 77.7% percent

Percentage Hydrologic Soil Group A = 0.0% percent

Percentage Hydrologic Soil Group B = 0.0% percent

Percentage Hydrologic Soil Groups C/D = 100.0% 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>

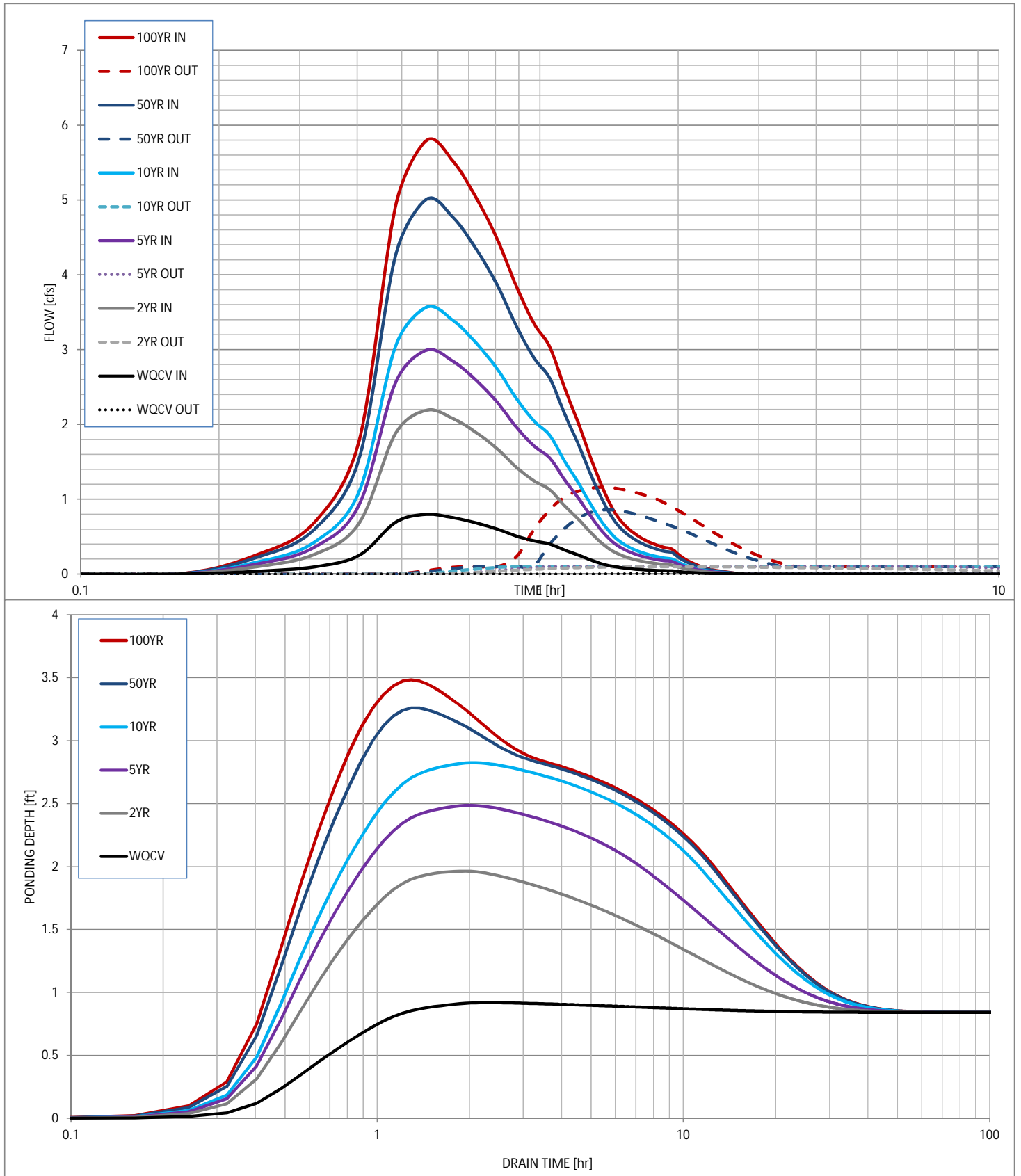
create a new stormwater facility, and

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	1.19	1.51	1.75	2.25	2.52	in
Calculated Runoff Volume =	0.045	0.125	0.172	0.206	0.290	0.336	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.045	0.125	0.172	0.205	0.290	0.336	acre-ft
Time to Drain 97% of Inflow Volume =	>116	>116	>116	>116	>116	>116	hours
Time to Drain 99% of Inflow Volume =	>116	>116	>116	>116	>116	>116	hours
Maximum Ponding Depth =	0.92	1.96	2.49	2.83	3.26	3.48	ft
Maximum Poned Area =	0.06	0.08	0.09	0.10	0.11	0.12	acres
Maximum Volume Stored =	0.044	0.114	0.159	0.191	0.238	0.263	acre-ft

Stormwater Detention and Infiltration Design Data Sheet



Stormwater Detention and Infiltration Design Data Sheet

Worksheet Protected

User Input: Watershed Characteristics

Watershed Slope = 0.080 ft/ft

Watershed Length = 445 ft

Watershed Area = 1.35 acres

Watershed Imperviousness = 74.1% percent

Percentage Hydrologic Soil Group A = 0.0% percent

Percentage Hydrologic Soil Group B = 0.0% percent

Percentage Hydrologic Soil Groups C/D = 100.0% 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	1.19	1.51	1.75	2.25	2.52	in
Calculated Runoff Volume =	0.033	0.094	0.130	0.156	0.223	0.261	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.033	0.094	0.130	0.156	0.223	0.260	acre-ft
Time to Drain 97% of Inflow Volume =	>128	>128	>128	>128	>128	>128	hours
Time to Drain 99% of Inflow Volume =	>128	>128	>128	>128	>128	>128	hours
Maximum Ponding Depth =	1.20	2.48	2.92	3.09	3.49	3.69	ft
Maximum Poned Area =	0.04	0.06	0.07	0.07	0.08	0.08	acres
Maximum Volume Stored =	0.033	0.093	0.120	0.133	0.163	0.180	acre-ft

Stormwater Detention and Infiltration Design Data Sheet

