

# Stormwater Detention and Infiltration Design Data Sheet

Worksheet Protected

### User Input: Watershed Characteristics

User Input

WQCV Treatment Method = Extended Detention ▼

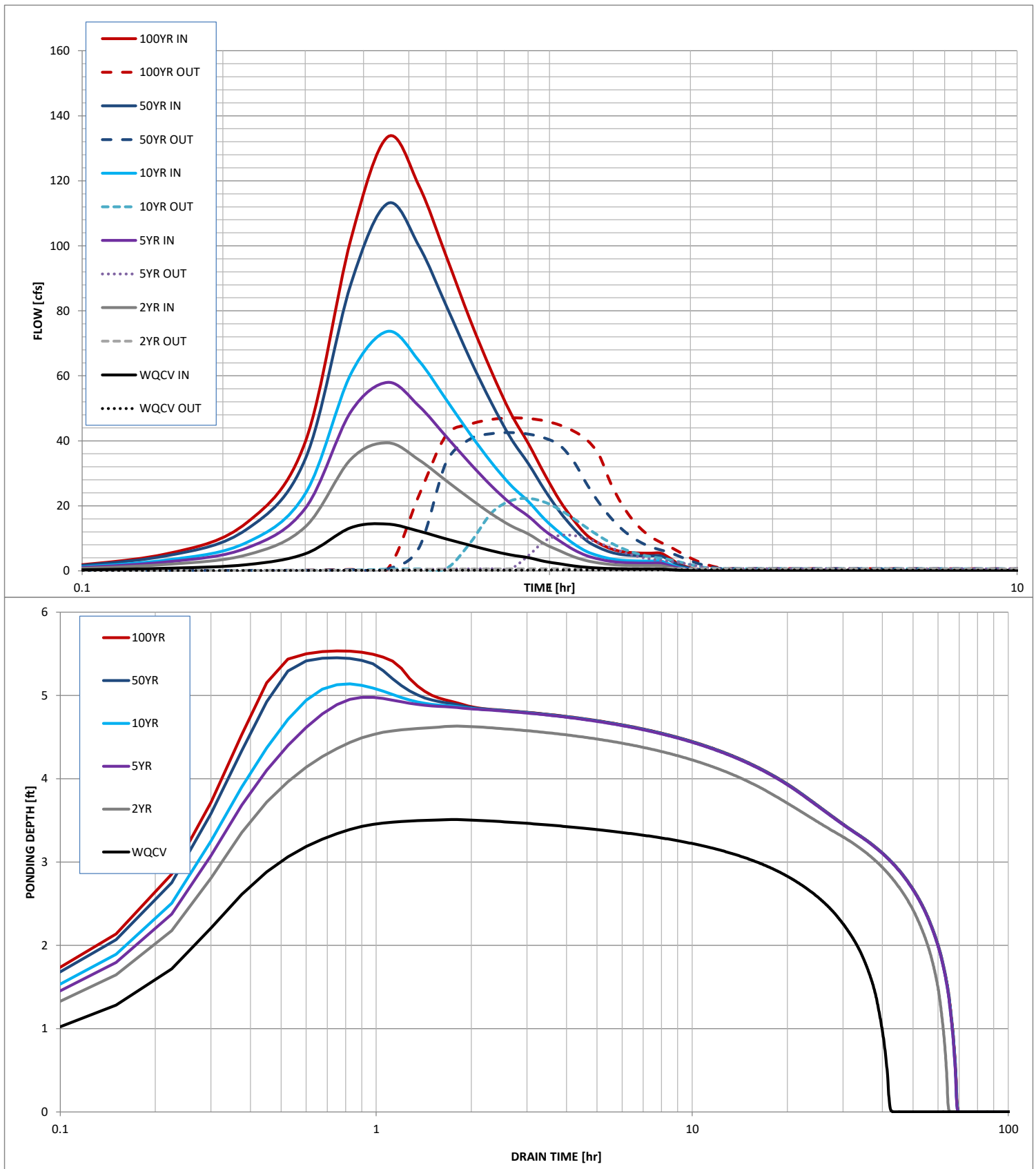
[illegible]

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

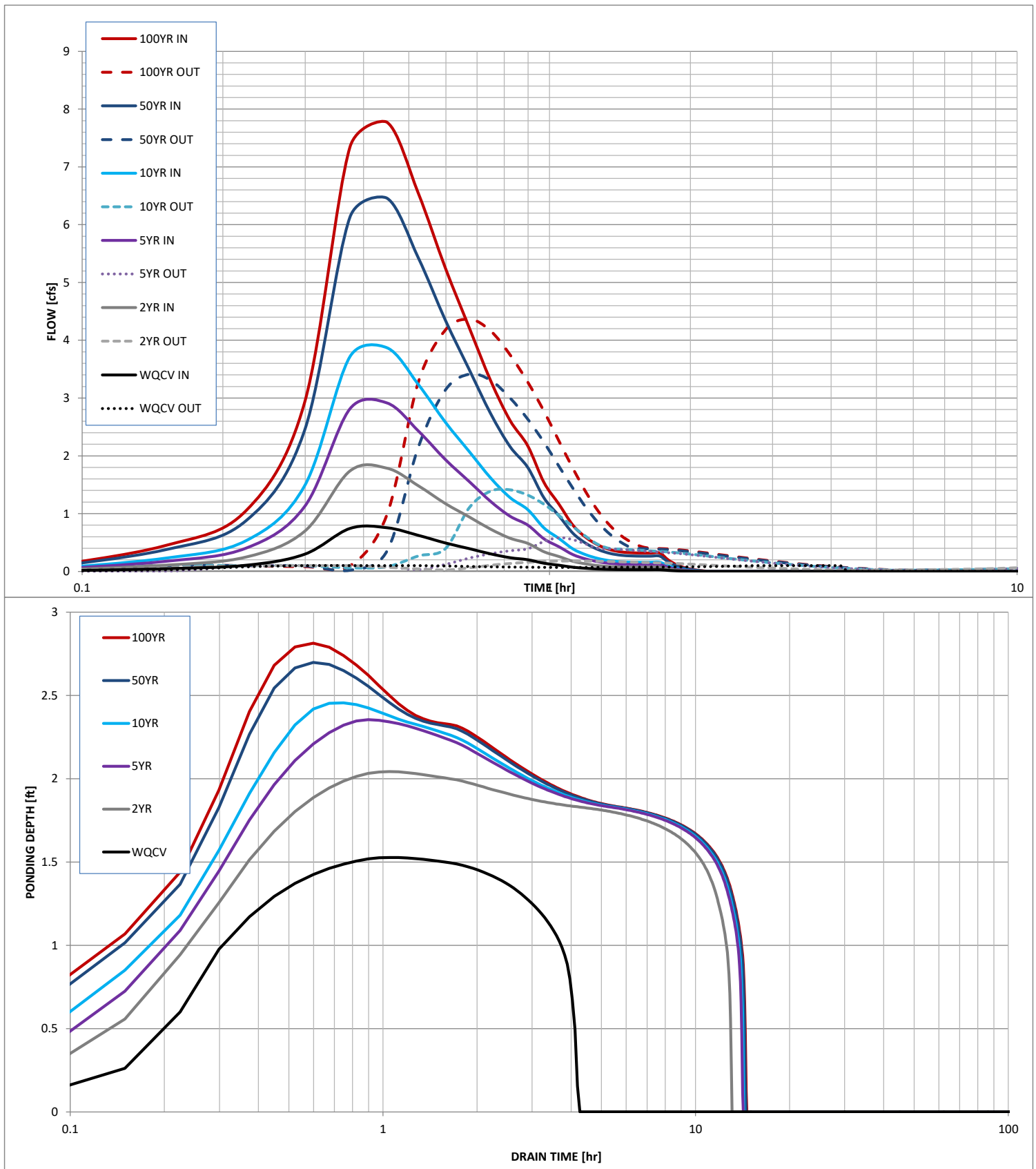
Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.53	1.19	1.50	1.75	2.25	2.52	in
Calculated Runoff Volume =	0.582	1.601	2.357	2.985	4.560	5.380	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.582	1.601	2.357	2.984	4.559	5.379	acre-ft
Time to Drain 97% of Inflow Volume =	37.7	56.8	58.9	57.4	53.9	52.1	hours
Time to Drain 99% of Inflow Volume =	39.6	60.3	63.6	62.8	61.3	60.6	hours
Maximum Ponding Depth =	3.51	4.63	4.98	5.14	5.45	5.54	ft
Maximum Poned Area =	0.60	1.08	1.17	1.19	3.94	5.70	acres
Maximum Volume Stored =	0.543	1.515	1.910	2.094	2.644	3.021	acre-ft

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