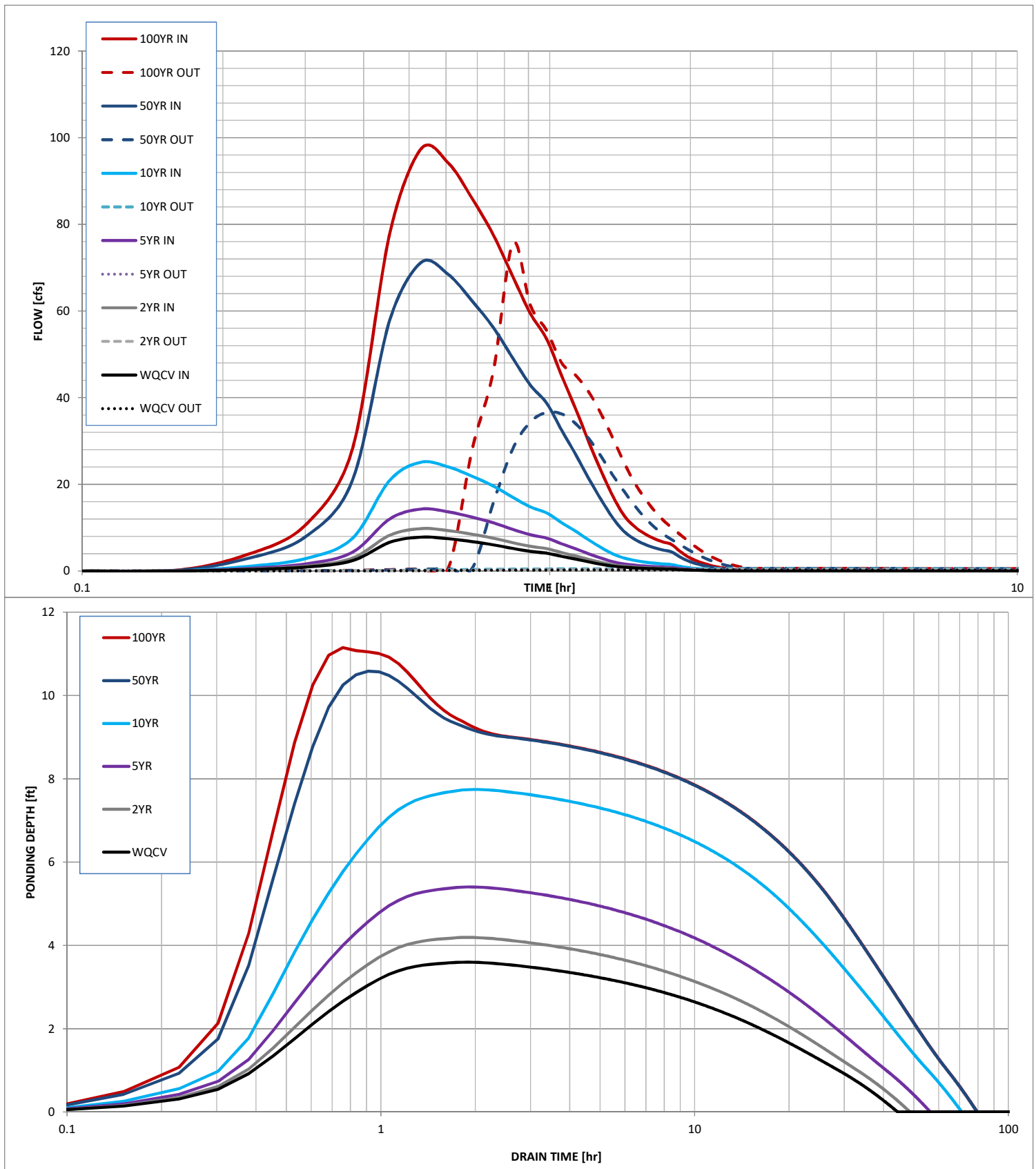


Worksheet Protected

Facility Location & Jurisdiction: SW Corner of Hodgen Road & SH83 (El Paso County)

Stormwater Detention and Infiltration Design Data Sheet



Stormwater Detention and Infiltration Design Data Sheet

Worksheet Protected

Watershed Slope = 0.053

Watershed Length =	1090	ft
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Watershed Area =	11.83	acres
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Watershed Imperviousness =	11.0%	percent
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Percentage Hydrologic Soil Group A = 50.0% percent

Percentage Hydrologic Soil Group B =	50.0%	percent
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Percentage Hydrologic Soil Groups C/D = percent

User Input

WQCV Treatment Method = Extended Detention ▼

[illegible]

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

attach the pdf of this worksheet to that record.

WOCV	2 Year	5 Year	10 Year	50 Year	100 Year
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Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.60	1.19	1.50	1.75	2.25	2.52	in
Calculated Runoff Volume =	0.072	0.075	0.110	0.202	0.655	0.962	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.071	0.074	0.109	0.201	0.654	0.962	acre-ft
Time to Drain 97% of Inflow Volume =	40.0	40.6	46.8	48.8	37.5	32.1	hours
Time to Drain 99% of Inflow Volume =	43.6	44.3	51.4	55.0	48.6	45.5	hours
Maximum Ponding Depth =	0.92	0.94	1.25	1.69	2.72	3.35	ft
Maximum Ponded Area =	0.11	0.11	0.11	0.12	0.15	0.16	acres
Maximum Volume Stored =	0.066	0.069	0.101	0.153	0.293	0.392	acre-ft

Stormwater Detention and Infiltration Design Data Sheet

