Workbook Protected

Worksheet Protected

### Stormwater Facility Name: SADDLEHORN RANCH - FILING 1 - POND G

#### Facility Location & Jurisdiction: EL PASO COUNTY - SADDLEHORN RANCH METROPOLITAN DISTRICT



User Defined	User Defined	User Defined	User Defined	
Stage [ft]	Area [ft^2]	Stage [ft]	Discharge [cfs]	
0.00	0	0.00	0.00	
0.72	7,201	0.72	0.08	
1.72	20,625	1.72	0.19	
2.72	27,717	2.72	4.52	
3.72	31,904	3.72	34.41	
4.72	36,248	4.72	151.29	
4.92	37,319	4.92	184.37	

After completing and printing this worksheet to a pdf, go to: <u>https://maperture.digitaldataservices.com/gvh/?viewer=cswdif</u> create a new stormwater facility, and attach the pdf of this worksheet to that record.

	Routed Hydro	graph 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 =	0.307	0.361	0.487	0.627	1.331	2.058	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.307	0.361	0.486	0.626	1.331	2.057	acre-ft
Time to Drain 97% of Inflow Volume =	35.6	38.6	42.2	41.8	38.8	35.6	hours
Time to Drain 99% of Inflow Volume =	38.6	41.8	46.0	46.0	45.1	43.4	hours
Maximum Ponding Depth =	1.47	1.59	1.80	1.95	2.61	2.93	ft
Maximum Ponded Area =	0.40	0.43	0.49	0.51	0.62	0.66	acres
Maximum Volume Stored =	0.269	0.320	0.415	0.492	0.862	1.069	acre-ft



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### Stormwater Facility Name: SADDLEHORN RANCH - FILING 1 - POND H

#### Facility Location & Jurisdiction: EL PASO COUNTY - SADDLEHORN RANCH METROPOLITAN DISTRICT



	Routed Hydro	ograph 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 =	0.181	0.202	0.274	0.353	0.775	1.231	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.180	0.201	0.273	0.353	0.774	1.231	acre-ft
Time to Drain 97% of Inflow Volume =	42.7	45.6	54.7	63.9	66.6	62.7	hours
Time to Drain 99% of Inflow Volume =	46.1	49.2	58.9	68.6	73.6	71.4	hours
Maximum Ponding Depth =	2.09	2.20	2.51	2.81	3.46	3.91	ft
Maximum Ponded Area =	0.19	0.20	0.24	0.28	0.37	0.45	acres
Maximum Volume Stored =	0.166	0.186	0.256	0.333	0.543	0.731	acre-ft



0.00

0.07

0.13

0.17

24.61

38.35

### Stormwater Facility Name: SADDLEHORN RANCH - FILING 1 - POND I

#### Facility Location & Jurisdiction: EL PASO COUNTY - SADDLEHORN RANCH METROPOLITAN DISTRICT



	Routed Hydro	ograph 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 =	0.325	0.372	0.508	0.687	1.575	2.423	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.325	0.371	0.508	0.687	1.574	2.423	acre-ft
Time to Drain 97% of Inflow Volume =	39.2	42.8	52.7	64.9	66.7	63.1	hours
Time to Drain 99% of Inflow Volume =	42.2	45.9	56.4	69.1	73.1	71.2	hours
Maximum Ponding Depth =	2.10	2.21	2.50	2.82	3.39	3.76	ft
Maximum Ponded Area =	0.39	0.42	0.50	0.60	0.77	0.88	acres
Maximum Volume Stored =	0.306	0.350	0.484	0.662	1.047	1.358	acre-ft

