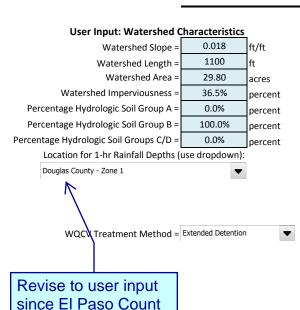
Stormwater Detention and Infiltration Design Data Sheet

Workhook Protected

Worksheet Protected

Stormwater Facility Name: Judge Orr Road RV and Storage Development

Facility Location & Jurisdiction: 14010 Judge Orr Road, Peyton, Colorado (El Paso County)



User Defined	User Defined	User Defined	User Defined	
Stage [ft]	Area [ft^2]	Stage [ft]	Discharge [cfs]	
0.00	0	0.00	0.00	
0.33	10	0.33	0.30	
0.50	50	0.50	0.30	
0.90	203	0.90	0.30	
1.00	817	1.00	0.30	
1.50	9,974	1.50	0.30	
2.00	17,195	2.00	0.30	
2.50	18,052	2.50	0.30	
3.00	18,910	3.00	0.30	
3.50	19,787	3.50	0.30	
4.00	20,681	4.00	0.30	
4.50	21,594	4.50	0.40	
5.00	22,524	5.00	8.20	
5.50	23,473	5.50	49.50	
6.00	24,439	6.00	62.80	
6.50	25,423	6.50	73.70	
7.00	26,426	7.00	76.80	
7.50	27,446	7.50	79.90	
8.00	28,485	8.00	83.10	
9.00	30,616	9.00	150.40	

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.

is not available in the

drop down list.

Routed Hyd	rograph	Results
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-	Routeu nyuro	grapii kesuits					_
Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.53	1.06	1.43	1.66	2.26	2.60	in
Calculated Runoff Volume =	0.423	0.789	1.184	1.710	3.483	4.478	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.423	0.789	1.184	1.709	3.482	4.477	acre-ft
Time to Drain 97% of Inflow Volume =	16.7	31.0	46.3	52.9	51.0	49.9	hours
Time to Drain 99% of Inflow Volume =	17.0	31.6	47.3	54.3	53.8	53.5	hours
Maximum Ponding Depth =	2.40	3.25	4.10	4.79	5.43	5.77	ft
Maximum Ponded Area =	0.41	0.44	0.48	0.51	0.54	0.55	acres
Maximum Volume Stored =	0.378	0.742	1.131	1.472	1.808	1.992	acre-ft

Stormwater Detention and Infiltration Design Data Sheet

