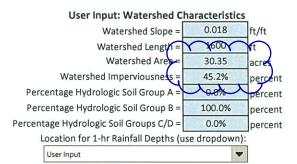
Stormwater Detention and Infiltration Design Data Sheet

Stormwater Facility Name: Judge Orr Road RV and Storage Development

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



WQCV Treatment Method = Extended Detention -

The table does not match the values in the UD-Detention worksheet.

Unresolved. We have clouded the numbers that need to be updated per the UD-Detention worksheet

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.

Iser Defined	User Defined	User Defined	Vser perined
Stage [kt]	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	1.00
5.50	23,473	5.50	6.00
6.00	24,439	6.00	15.00
6.50	25,423	6.50	24.00
7.00	26,426	7.00	33.00
7.50	27,446	7.50	37.70
8.00	28,485	2 8.00	65.00
9.00	30,616	9.00	100.00
4) >	
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Routed	Hydro	ograph	Resu	lts
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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 =	0.489	1.161	1.599	2.210	3.852	4.726	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.489	1.161	1.599	2.210	3.852	4.726	acre-ft
Time to Drain 97% of Inflow Volume =	19.3	45.6	56.4	57.5	55.9	54.9	hours
Time to Drain 99% of Inflow Volume =	19.7	46.5	57.7	59.2	59.0	58.7	hours
Maximum Ponding Depth =	2.54	4.03	4.84	5.50	6.55	7.05	ft
Maximum Ponded Area =	0.42	0.48	0.51	0.54	0.59	0.61	acres
Maximum Volume Stored =	0.435	1.098	1.499	1.841	2.437	2.735	acre-ft

Stormwater Detention and Infiltration Design Data Sheet

