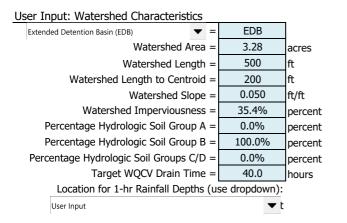


## Stormwater Detention and Infiltration Design Data Sheet

SDI-Design Data v2.00, Released January 2020

Stormwater Facility Name: EDB A

## Facility Location & Jurisdiction: 9696 Flagstone Street, El Paso County, CO



After providing required inputs above including 1-hour rainfall depths, click 'Run CUHP' to generate runoff hydrographs using the embedded Colorado Urban Hydrograph Procedure.

Once CUHP has been run and the Stage-Area-Discharge information has been provided, click 'Process Data' to interpolate the Stage-Area-Volume-Discharge data and generate summary results in the table below. Once this is complete, click 'Print to PDF'.

User Defined	User Defined	User Defined	User Defined	
Stage [ft]	Area [ft^2]	Stage [ft]	Discharge [cfs]	
0.00	0	0.00	0.00	
0.17	419	0.17	0.01	
1.17	3,075	1.17	0.02	
2.17	4,378	2.17	0.06	
3.17	5,338	3.17	5.20	
4.17	6,484	4.17	10.80	
5.17	6,940	5.17	40.00	

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 Hydrograph Results

Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	Ι
One-Hour Rainfall Depth =	N/A	1.19	1.50	1.75	2.25	2.52	in
CUHP Runoff Volume =	0.046	0.114	0.175	0.232	0.378	0.461	acre-ft
Inflow Hydrograph Volume =	N/A	0.114	0.175	0.232	0.378	0.461	acre-ft
Time to Drain 97% of Inflow Volume =	40.3	63.1	65.6	63.8	59.4	57.0	hours
Time to Drain 99% of Inflow Volume =	41.4	65.7	69.4	68.9	67.3	66.3	hours
Maximum Ponding Depth =	1.24	1.97	2.28	2.41	2.84	3.06	ft
Maximum Ponded Area =	0.07	0.09	0.10	0.11	0.12	0.12	acres
Maximum Volume Stored =	0.046	0.106	0.137	0.151	0.199	0.224	acre-ft

## Stormwater Detention and Infiltration Design Data Sheet

