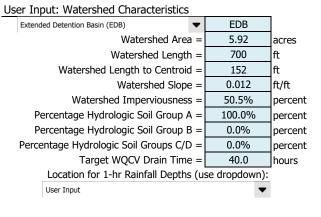
SDI-Design Data v2.00, Released January 2020

Stormwater Facility Name: Pond A

### Facility Location & Jurisdiction: Urban Collection at Palmer Village, Constitution Ave, El Paso County/ El Paso County



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

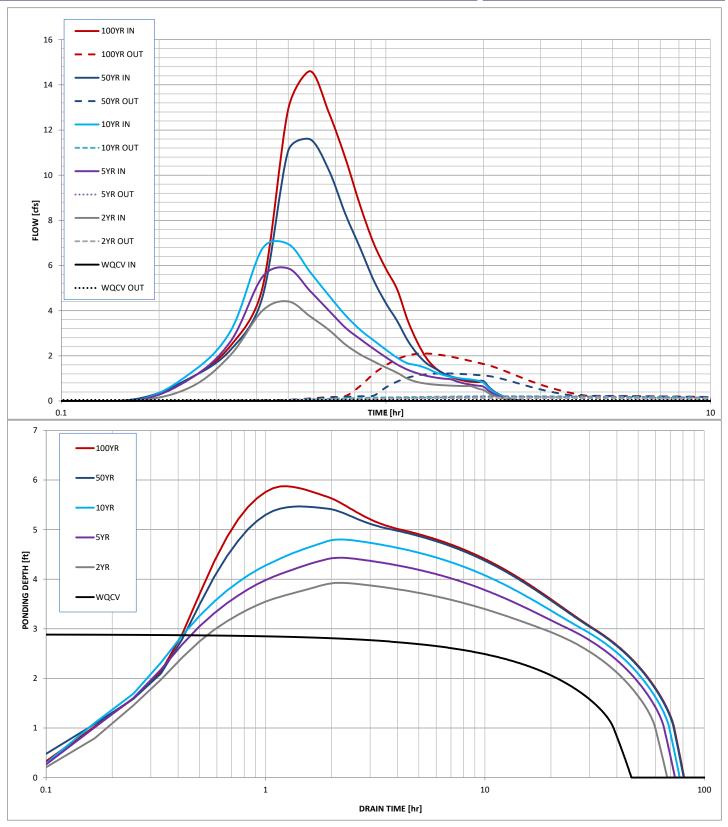
Once CUHP has been run and the Stage-Area-Discharge information has been provided, click 'Process Data' to interpolate the Stage-Area-Volume-Discharge data and generate summary results in the table below. Once this is complete, click 'Print to PDF'.

User Defined	User Defined	User Defined User Defin	
Stage [ft]	Area [ft^2]	Stage [ft]	Discharge [cfs]
0.00	0	0.00	0.00
1.00	288	1.00	0.01
2.00	2,350	2.00	0.03
3.00	4,702	3.00	0.05
4.00	6,115	4.00	0.14
5.00	7,661	5.00	0.23
6.00	9,399	6.00	2.38
7.00	11,474	7.00	2.56
7.60	13,146	7.60	2.66

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.

#### Routed Hydrograph Results

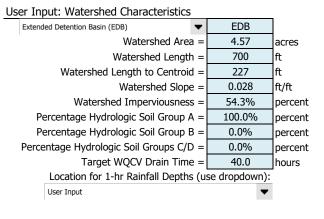
Design Storm Return Period =       WQCV       2 Year       5 Year       10 Year       50 Year       100 Year         One-Hour Rainfall Depth =       N/A       1.19       1.50       1.75       2.25       2.52       in         CUHP Runoff Volume =       0.102       0.245       0.326       0.390       0.590       0.715       acre         Inflow Hydrograph Volume =       N/A       0.245       0.326       0.390       0.590       0.715       acre         Time to Drain 97% of Inflow Volume =       38.9       56.1 <b>60.2</b> 62.7       62.6       61.0       hour         Time to Drain 99% of Inflow Volume =       42.2       60.9       65.7       68.7       70.1 <b>69.4</b> hour         Maximum Ponding Depth =       2.89       3.93       4.43       4.80       5.47       5.87       ft	
CUHP Runoff Volume = $0.102$ $0.245$ $0.326$ $0.390$ $0.590$ $0.715$ acre         Inflow Hydrograph Volume =       N/A $0.245$ $0.326$ $0.390$ $0.590$ $0.715$ acre         Time to Drain 97% of Inflow Volume =       38.9       56.1 <b>60.2</b> $62.7$ $62.6$ $61.0$ hour         Time to Drain 99% of Inflow Volume = $42.2$ $60.9$ $65.7$ $68.7$ $70.1$ <b>69.4</b>	Design Storm Return Period =
Inflow Hydrograph Volume =       N/A $0.245$ $0.326$ $0.390$ $0.590$ $0.715$ acre         Time to Drain 97% of Inflow Volume = $38.9$ $56.1$ $60.2$ $62.7$ $62.6$ $61.0$ hour         Time to Drain 99% of Inflow Volume = $42.2$ $60.9$ $65.7$ $68.7$ $70.1$ $69.4$	One-Hour Rainfall Depth =
Time to Drain 97% of Inflow Volume = $38.9$ $56.1$ $60.2$ $62.7$ $62.6$ $61.0$ hour         Time to Drain 99% of Inflow Volume = $42.2$ $60.9$ $65.7$ $68.7$ $70.1$ $69.4$ hour	CUHP Runoff Volume =
Time to Drain 99% of Inflow Volume = $42.2$ 60.9 65.7 68.7 70.1 69.4 hour	Inflow Hydrograph Volume =
	Time to Drain 97% of Inflow Volume =
Maximum Ponding Denth - 2.90 2.02 4.42 4.90 E.47 E.97 H	Time to Drain 99% of Inflow Volume =
Maximum Fonding Depth – 2.89 5.95 4.45 4.60 5.47 5.87 IL	Maximum Ponding Depth =
Maximum Ponded Area = 0.10 0.14 0.16 0.17 0.19 0.21 acre	Maximum Ponded Area =
Maximum Volume Stored = 0.103 0.228 0.302 0.362 0.481 0.564 acre	Maximum Volume Stored =



SDI-Design Data v2.00, Released January 2020

Stormwater Facility Name: Pond B

### Facility Location & Jurisdiction: Urban Collection At Palmer Village, Constitution Ave, El Paso County/ El Paso County



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 Defin	
Stage [ft]	Area [ft^2]	Stage [ft]	Discharge [cfs]
0.00	0	0.00	0.00
1.00	447	1.00	0.01
2.00	3,633	2.00	0.03
3.00	5,896	3.00	0.08
4.00	7,370	4.00	0.20
5.00	9,044	5.00	1.86
6.00	10,876	6.00	71.64
7.00	13,042	7.00	226.22

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.

#### Routed Hydrograph Results

Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	N/A	1.19	1.50	1.75	2.25	2.52	in
CUHP Runoff Volume =	0.083	0.207	0.274	0.328	0.485	0.583	acre-ft
Inflow Hydrograph Volume =	N/A	0.207	0.274	0.328	0.485	0.583	acre-ft
Time to Drain 97% of Inflow Volume =	40.4	57.1	60.8	62.8	61.7	60.2	hours
Time to Drain 99% of Inflow Volume =	44.1	62.8	67.3	69.8	70.0	69.3	hours
Maximum Ponding Depth =	2.34	3.23	3.64	3.94	4.47	4.81	ft
Maximum Ponded Area =	0.10	0.14	0.16	0.17	0.19	0.20	acres
Maximum Volume Stored =	0.083	0.193	0.254	0.302	0.395	0.462	acre-ft

