## Stormwater Detention and Infiltration Design Data Sheet

User Defined

Stage [ft]

0.00

1.00

2.00

3.00

4.00

5.00

6.00

6.90

User Defined

Area [ft^2]

485

1,050

1,945

2,976

4,258

5.787

7,480

8,711

User Defined

Stage [ft]

0.00

1.00

2.00

3.00

4.00

5.00

6.00

6.90

User Defined

Discharge [cfs]

0.00

0.02

0.03

0.04

1.56

5.13

17.86

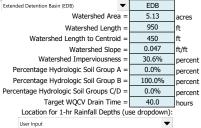
54.56

SDI-Design Data v2.00, Released January 2020

Stormwater Facility Name: JeniShay Farms

Facility Location & Jurisdiction: El Paso County

User Input: Watershed Characteristics



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'.

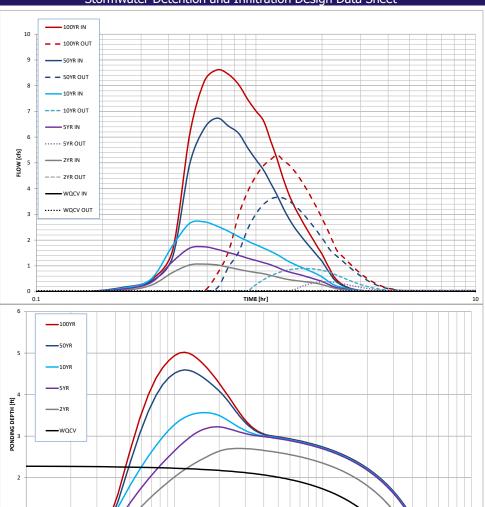
After completing and printing this worksheet to a pdf, go to: https://maperture.digitaldataservices.com/qvh/?viewer=cswdif

Create a new stormwater facility, and attach the PDF of this worksheet to that record.

## Routed Hydrograph Results

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Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	N/A	0.92	1.19	1.44	2.13	2.47	in
CUHP Runoff Volume =	0.066	0.096	0.153	0.231	0.539	0.706	acre-ft
Inflow Hydrograph Volume =	N/A	0.096	0.153	0.231	0.539	0.706	acre-ft
Time to Drain 97% of Inflow Volume =	40.7	49.0	52.1	49.0	41.5	38.6	hours
Time to Drain 99% of Inflow Volume =	48.5	57.0	60.5	57.8	51.6	49.4	hours
Maximum Ponding Depth =	2.28	2.70	3.23	3.57	4.59	5.02	ft
Maximum Ponded Area =	0.05	0.06	0.07	0.08	0.12	0.13	acres
Maximum Volume Stored =	0.066	0.089	0 124	0 151	0.255	0.309	acre-ft

Stormwater Detention and Infiltration Design Data Sheet



DRAIN TIME [hr]

SDI\_Design\_Data\_v2.00 Fox Creek Estates.xlsm, Design Data 3/2/2021, 10:34 AM