

Page 19 of the Soils Report states that there is both Type B and Type C soils. So how is this pond going to be 100% Type B? Discuss in report text above.

Where did they these values come from?

Stormwater Detention and Infiltration Design Data Sheet

SDI-Design Data v2.00, Released January 2020

Stormwater Detention and Infiltration Design Data Sheet

Stormwater Facility Name: **JeniShay Farms**

Facility Location & Jurisdiction: **El Paso County**

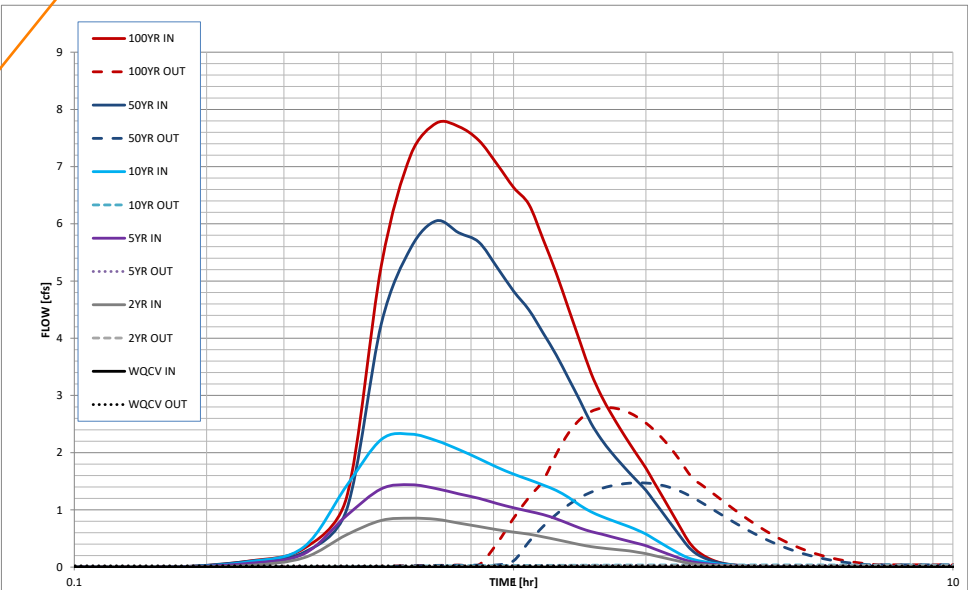
User Input: Watershed Characteristics

Extended Detention Basin (EDB)	
Watershed Area =	5.22 acres
Watershed Length =	950 ft
Watershed Length to Centroid =	450 ft
Watershed Slope =	0.047 ft/ft
Watershed Imperviousness =	25.9% percent
Percentage Hydrologic Soil Group A =	0.0% percent
Percentage Hydrologic Soil Group B =	100.0% percent
Percentage Hydrologic Soil Groups C/D =	0.0% percent
Target WQCV Drain Time =	40.0 hours
Location for 1-hr Rainfall Depths (use dropdown):	
User Input	

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'.

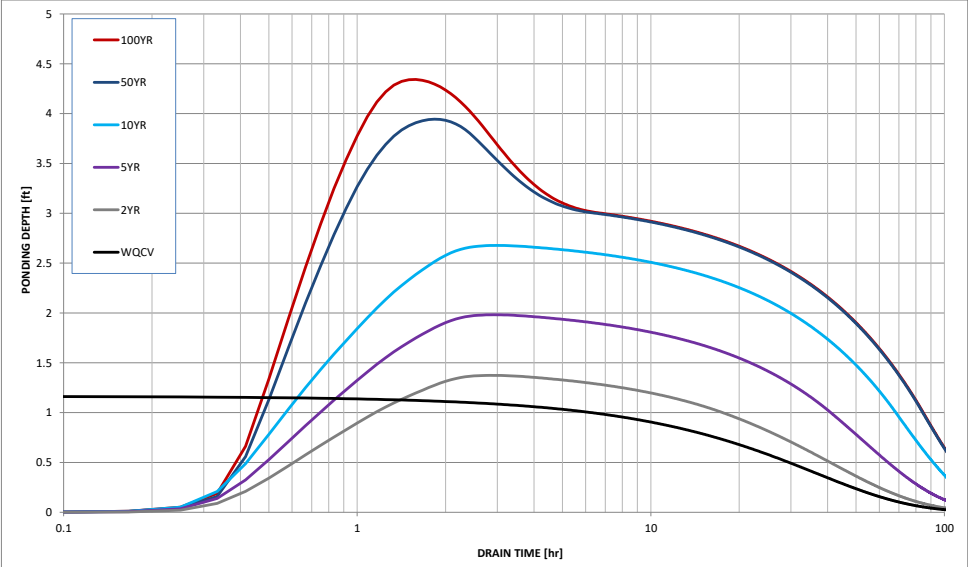
User Defined Stage [ft]	User Defined Area [ft ²]	User Defined Stage [ft]	User Defined Discharge [cfs]
0.00	1,530	0.00	0.00
1.00	2,757	1.00	0.02
2.00	4,170	2.00	0.03
3.00	5,778	3.00	0.04
4.00	7,462	4.00	1.56
5.00	9,325	5.00	5.13



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	0.92	1.19	1.44	2.13	2.47	in
CUHP Runoff Volume =	0.060	0.080	0.133	0.210	0.523	0.693	acre-ft
Inflow Hydrograph Volume =	N/A	0.080	0.133	0.210	0.523	0.693	acre-ft
Time to Drain 97% of Inflow Volume =	86.3	91.3	103.5	>120	115.2	108.4	hours
Time to Drain 99% of Inflow Volume =	109.9	115.1	0.0	>120	0.0	0.0	hours
Maximum Ponding Depth =	1.17	1.37	1.98	2.68	3.94	4.34	ft
Maximum Poned Area =	0.07	0.08	0.10	0.12	0.17	0.19	acres
Maximum Volume Stored =	0.060	0.075	0.127	0.202	0.385	0.455	acre-ft



These values are quite different from the UD-Detention spreadsheet. Why? All inputs except flowrates (not on UD) are the same. Look into this please and revise as needed.