

*SPI-Design Data v2.00, Released January 2020*

Facility Location & Jurisdiction: **Detention Pond #2 (Design Point B)**

Extended Detention Basin (EDB)	EDB	
Watershed Area =	22.23	acres
Watershed Length =	2,000	ft
Watershed Length to Centroid =	400	ft
Watershed Slope =	0.010	ft/ft
Watershed Imperviousness =	34.0%	percent
Percentage Hydrologic Soil Group A =	100.0%	percent
Percentage Hydrologic Soil Group B =	0.0%	percent
Percentage Hydrologic Soil Groups C/D =	0.0%	percent
Target WQCV Drain Time =	40.0	hours

User Input

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'.

[illegible]

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

	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
Design Storm Return Period =							
One-Hour Rainfall Depth =	N/A	1.19	1.50	1.75	2.25	2.52	in
CUHP Runoff Volume =	0.303	0.566	0.771	0.938	1.671	2.144	acre-ft
Inflow Hydrograph Volume =	N/A	0.566	0.771	0.938	1.671	2.144	acre-ft
Time to Drain 97% of Inflow Volume =	37.8	49.4	<b>56.8</b>	60.2	57.2	55.0	hours
Time to Drain 99% of Inflow Volume =	40.8	53.7	61.9	65.9	65.2	<b>64.2</b>	hours
Maximum Ponding Depth =	1.59	2.13	2.54	2.82	3.58	4.08	ft
Maximum Poned Area =	0.29	0.48	0.49	0.50	0.54	<b>0.56</b>	acres
Maximum Volume Stored =	0.304	0.517	0.716	0.854	1.252	1.524	acre-ft

# Stormwater Detention and Infiltration Design Data Sheet

