

SDI-Design Data v2.00, Released January 2020

Facility Location & Jurisdiction: **NWC of Constitution Avenue and Marksheffel Road- El Paso County, CO**

[illegible]

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'.

Routed Hydrograph Results

	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
Design Storm Return Period =							
One-Hour Rainfall Depth =	N/A	1.19	1.52	1.75	2.25	2.55	in
CUHP Runoff Volume =	0.285	0.658	0.894	1.086	1.843	2.346	acre-ft
Inflow Hydrograph Volume =	N/A	0.658	0.894	1.086	1.843	2.346	acre-ft
Time to Drain 97% of Inflow Volume =	39.2	54.8	53.4	52.3	47.8	45.1	hours
Time to Drain 99% of Inflow Volume =	42.9	60.3	59.8	59.3	56.9	55.4	hours
Maximum Ponding Depth =	2.10	3.11	3.43	3.65	4.36	4.75	ft
Maximum Poned Area =	0.25	0.36	0.40	0.42	0.51	0.55	acres
Maximum Volume Stored =	0.285	0.590	0.710	0.799	1.132	1.336	acre-ft

Stormwater Detention and Infiltration Design Data Sheet

