Since there are no proposed improvements to Ponds D2 or E2 with this filing, just remove this copy by uploading a blank sheet that says "For SDI Forms for Ponds D2 and E2, see EDARP File Numbers SF188 and SF2017 respectively.

## **Stormwater Detention and Infiltration Design Data Sheet**

Workbook Protected

Worksheet Protected

**Stormwater Facility Name:** 

Pond E2

Facility Location & Jurisdiction: Creekside South at Lorson Ranch, El Paso County, CO

## **User Input: Watershed Characteristics**

Watershed Slope =	0.030	ft/ft
Watershed Length =	2900	ft
Watershed Area =	125.00	acres
Watershed Imperviousness =	35.0%	percent
Percentage Hydrologic Soil Group A =		percent
Percentage Hydrologic Soil Group B =	40.0%	percent
Percentage Hydrologic Soil Groups C/D =	60.0%	percent
•		•

Location for 1-hr Rainfall Depths (use dropdown):

User Input

WQCV Treatment Method = Extended Detention ▼

Us	er Defined	User Defined	User Defined	User Defined
	Stage [ft]	Area [ft^2]	Stage [ft]	Discharge [cfs]
	0.00	20	0.00	0.00
	0.33	50	0.33	0.10
	1.00	2,250	1.00	0.17
	2.00	35,024	2.00	0.42
	3.00	62,057	3.00	0.73
	4.00	65,120	4.00	2.47
	5.00	68,248	5.00	4.08
	6.00	71,443	6.00	11.09
	7.00	74,705	7.00	132.07
	8.00	78,040	8.00	149.44
	9.00	81,442	9.00	284.79

After completing and printing this worksheet to a pdf, go to: <a href="https://maperture.digitaldataservices.com/gvh/?viewer=cswdif">https://maperture.digitaldataservices.com/gvh/?viewer=cswdif</a> create a new stormwater facility, and attach the pdf of this worksheet to that record.

**Routed Hydrograph Results** 

	Routea Hyard	ograph Results					_
Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.53	1.19	1.50	1.75	2.25	2.52	in
Calculated Runoff Volume =	1.732	3.645	5.556	7.847	14.974	18.724	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	1.731	3.645	5.552	7.840	14.964	18.723	acre-ft
Time to Drain 97% of Inflow Volume =	40.9	50.8	53.7	52.8	46.2	43.3	hours
Time to Drain 99% of Inflow Volume =	42.9	54.4	58.6	59.1	56.2	54.8	hours
Maximum Ponding Depth =	3.05	4.22	5.29	6.17	7.22	8.11	ft
Maximum Ponded Area =	1.43	1.51	1.59	1.65	1.73	1.80	acres
Maximum Volume Stored =	1.623	3.350	5.003	6.408	8.188	9.760	acre-ft

## **Stormwater Detention and Infiltration Design Data Sheet**

