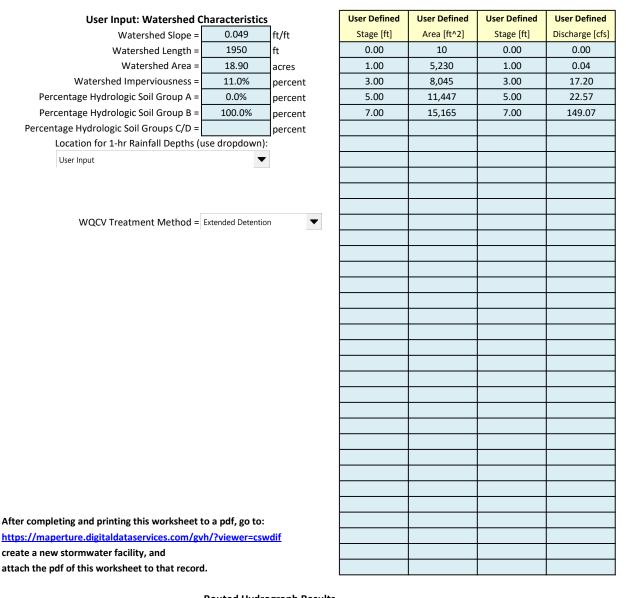
Stormwater Detention and Infiltration Design Data Sheet

Workbook Protected

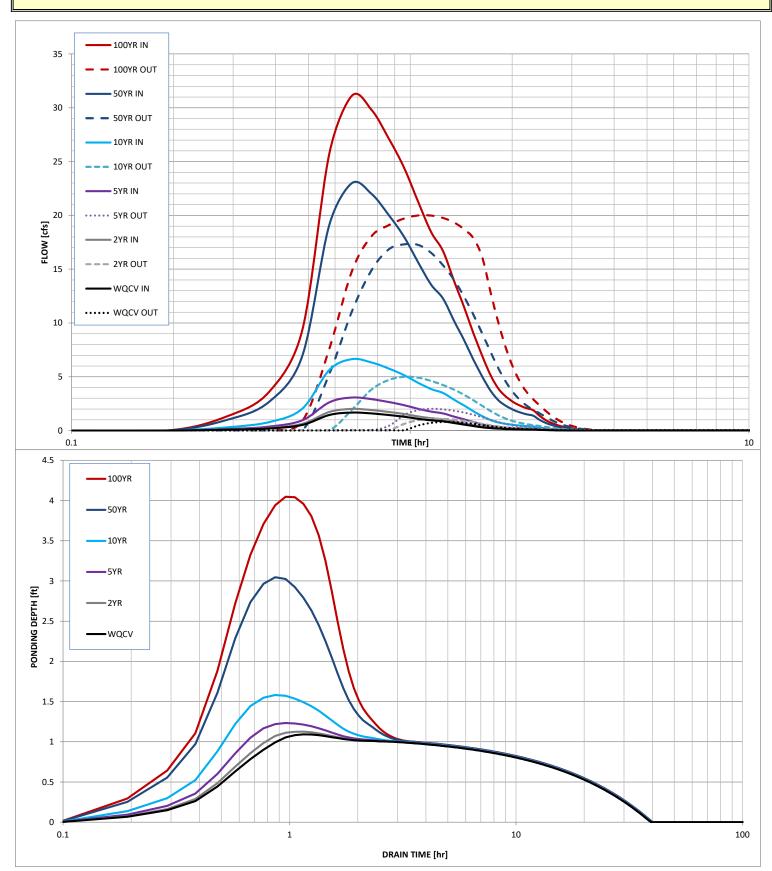
Worksheet Protected

Stormwater Facility Name: Settlers Ranch - Detention Pond #5

Facility Location & Jurisdiction: SW of Steppler Road & Settlers Ranch Road, Monument, CO 80132 (El Paso County)



Routed Hydrograph Results							
Design Storm Return Period =	WQCV	2 Year	5 Year	10 Year	50 Year	100 Year	
One-Hour Rainfall Depth =	0.60	1.19	1.50	1.75	2.25	2.52	in
Calculated Runoff Volume =	0.114	0.137	0.211	0.460	1.613	2.194	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.114	0.137	0.210	0.459	1.613	2.193	acre-ft
Time to Drain 97% of Inflow Volume =	30.7	29.9	27.8	22.3	7.2	3.0	hours
Time to Drain 99% of Inflow Volume =	34.4	34.0	32.8	29.7	21.0	18.0	hours
Maximum Ponding Depth =	1.09	1.13	1.23	1.58	3.05	4.05	ft
Maximum Ponded Area =	0.12	0.12	0.13	0.14	0.19	0.23	acres
Maximum Volume Stored =	0.071	0.075	0.088	0.135	0.372	0.578	acre-ft



Stormwater Detention and Infiltration Design Data Sheet