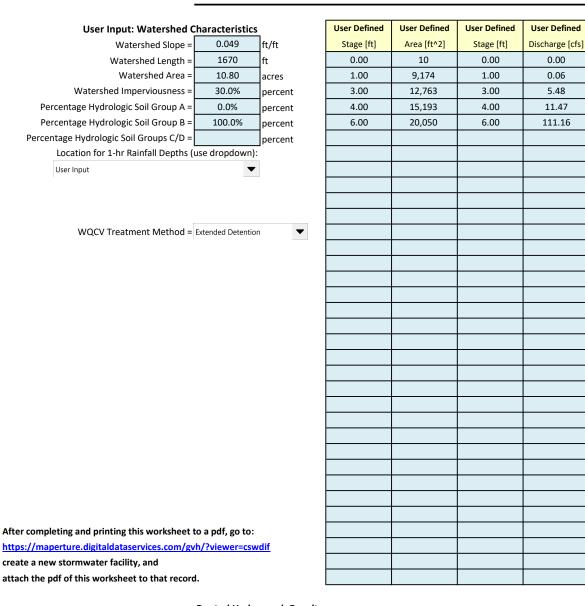
Stormwater Detention and Infiltration Design Data Sheet

rkbook Protected

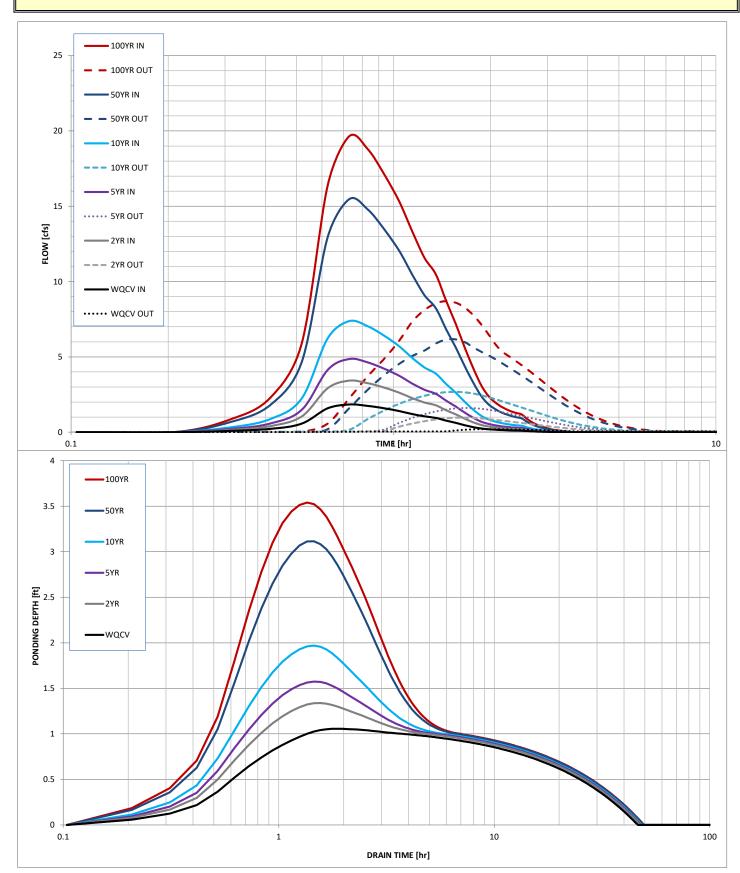
Worksheet Protected

Stormwater Facility Name: Colorado Kids Ranch - Detention Pond A

Facility Location & Jurisdiction: 18065 Saddlewood 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 =	0.136	0.255	0.363	0.554	1.171	1.491	acre-ft
OPTIONAL Override Runoff Volume =							acre-ft
Inflow Hydrograph Volume =	0.136	0.254	0.363	0.553	1.171	1.491	acre-ft
Time to Drain 97% of Inflow Volume =	38.0	36.0	34.2	31.5	24.8	21.8	hours
Time to Drain 99% of Inflow Volume =	41.6	40.9	40.0	38.7	35.2	33.5	hours
Maximum Ponding Depth =	1.06	1.34	1.57	1.97	3.11	3.54	ft
Maximum Ponded Area =	0.21	0.22	0.23	0.25	0.30	0.32	acres
Maximum Volume Stored =	0.117	0.178	0.232	0.328	0.642	0.774	acre-ft



Stormwater Detention and Infiltration Design Data Sheet