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Stormwater Facility Name: Falcon Acres Retention Area A

Facility Location & Jurisdiction: 14655 Davis Road, 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 =	0.53	1.19	1.50	1.75	2.25	2.52	in			
Calculated Runoff Volume =	1.308	1.080	1.863	9.536	56.535	79.901	acre-ft			
OPTIONAL Override Runoff Volume =		1.19	1.50	1.75	2.25	2.52	acre-ft			
Inflow Hydrograph Volume =	1.307	1.189	1.500	1.750	2.250	2.519	acre-ft			
Time to Drain 97% of Inflow Volume =	>103	>103	>103	>103	>103	>103	hours			
Time to Drain 99% of Inflow Volume =	>103	>103	>103	>103	>103	>103	hours			
Maximum Ponding Depth =	0.67	0.62	0.73	0.81	0.95	1.02	ft			
Maximum Ponded Area =	2.88	2.77	3.06	3.28	3.68	3.88	acres			
Maximum Volume Stored =	1.305	1.189	1.488	1.747	2.246	2.517	acre-ft			



This project proposes to maintain two existing drainage retention areas. These retention areas are so large that 100-year flows are not expected to leave the site. The Stormwater Detention and Infiltration Design Data Sheet has been completed for both of these depressions although it seems not to apply to them.

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Stormwater Facility Name: Falcon Acres Retention Area B

Facility Location & Jurisdiction: 14655 Davis Road, 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 =	0.53	1.19	1.50	1.75	2.25	2.52	in		
Calculated Runoff Volume =	0.153	0.226	0.333	0.586	1.565	2.064	acre-ft		
OPTIONAL Override Runoff Volume =		1.19	1.50	1.75	2.25	2.52	acre-ft		
Inflow Hydrograph Volume =	0.152	1.189	1.500	1.750	2.250	2.519	acre-ft		
Time to Drain 97% of Inflow Volume =	>108	>108	>108	>108	>108	>108	hours		
Time to Drain 99% of Inflow Volume =	>108	>108	>108	>108	>108	>108	hours		
Maximum Ponding Depth =	0.07	0.47	0.58	0.67	0.83	0.91	ft		
Maximum Ponded Area =	2.30	2.79	2.92	3.02	3.22	3.32	acres		
Maximum Volume Stored =	0.150	1.185	1.497	1.746	2.246	2.514	acre-ft		



This project proposes to maintain two existing drainage retention areas. These retention areas are so large that 100-year flows are not expected to leave the site. The Stormwater Detention and Infiltration Design Data Sheet has been completed for both of these depressions although it seems not to apply to them.