Appendix B Table
Existing Conditions Routing Reaches
High Mesa Trail Offsite

Reach Name		R1	R2	R3
Channel Description		Open Space	Open Space	Open Space
Manning's n		0.03	0.03	0.03
Channel Shape		CHANNEL XS	CHANNEL XS	CHANNEL XS
Side Slopes	1V:XH	3	5	7
Bottom Width	ft	13	19	31
Depth (D)	ft	1	2	3
Top Width (T)	ft	18.5	39.3	70.0
Wetted Perimeter (P)	ft	18.8	39.7	70.5
Area (A)	sq ft	15.5	65.5	151.5
Hydraulic Radius (A / P)	ft	0.8	1.6	2.2
Hydraulic Depth (y) = A / T	ft	0.8	1.7	2.2
Entire Flow path Length	ft	1999	1196	2097
Highest Elevation	ft	5658	5651	5655
Lowest Elevation	ft	5582	5599	5575
Slope (S)	ft / ft	0.038	0.043	0.038
Flow*	ft^3 / sec	53.4	28.1	69.6

NOTES:
* Take 1/2 of model flow from upstream junction/subbasin and add it to the appropriate routing reach

Appendix B Table
Proposed Conditions Routing Reaches
High Mesa Trail Offsite

Reach Name		R1	R2	R3	R4	R5	R6
Channel Description		Park/Drainage	Open Space	Residential	Open Space	Open Space	Storm Drain
Manning's n		0.022	0.03	0.022	0.03	0.03	0.013
Channel Shape		CHANNEL XS	CHANNEL XS	CHANNEL XS	CHANNEL XS	CHANNEL XS	Storm Drain
Side Slopes	1V:XH	3	3	3	5	7	
Bottom Width	ft	10	13	10	8	31	
Depth (D)	ft	2	1	2	3	3	
Top Width (T)	ft	22.0	18.5	22.0	32.8	70.0	
Wetted Perimeter (P)	ft	22.6	18.8	22.6	33.4	70.5	
Area (A)	sq ft	32.0	15.5	32.0	56.0	151.5	
Hydraulic Radius (A / P)	ft	1.4	0.8	1.4	1.7	2.2	
Hydraulic Depth (y) = A / T	ft	1.5	0.8	1.5	1.7	2.2	
Entire Flow path Length	ft	2288	1474	685	2172	2097	1931
Highest Elevation	ft	5751	5658	5781	5770	5655	5554
Lowest Elevation	ft	5658	5602	5751	5655	5575	5489
Slope (S)	ft / ft	0.041	0.038	0.044	0.053	0.038	0.034
Flow*	ft^3 / sec	86.3	110.0	51.1	20.0	67.7	111.3

NOTES:
* Take 1/2 of model flow from upstream junction/subbasin and add it to the appropriate routing reach