18-Jul-97

Calculations: Total Basin

Calculations are based on "Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria for the City of Albuquerque, New Mexico, January 1993 - basins < 40 acres".

Precipitation Zone = 2

Depth at 100-year, 6-hour storm: (Table A-2) P = 2.35 inches

Land Treatments:

From Table 5 - Percent Treatment D
Single Family Residential =
7*SQR((N*N) +(5*N))
where N = units/acre
N = ---------- = ------, ok < 6 N = 0.00
Therefore Percent Treatment D = 0.00%
(includes local streets)

Areas: (acres)	Existing	Proposed
Treatment A	0.00	0.00
Treatment B	0.75	0.76
Treatment C	0.00	0.00
Treatment D	4.48	4.47
Total (acres) =	5.23	5.23

Volume	100 year Existing	100 year Proposed	10 year Existing	10 year Proposed	2 year Existing	2 year Proposed
Volume (acre-feet) =	0.84	0.84	0.52	0.52	0.30	0.30
Volume (cubic feet) =	36,600	36,551	22,554	22,515	12,902	12,874

Total Q(p), cfs:	100 year Existing Q(p)*A	100 year Proposed Q(p)*A	10 year Existing Q(p)*A	10 year Proposed Q(p)*A	2 year Existing Q(p)*A	2 year Proposed Q(p)*A
Treatment A	0.00	0.00	0.00	0.00	0.00	0.00
Treatment B	1.71	1.73	0.71	0.72	0.06	0.06
Treatment C	0.00	0.00	0.00	0.00	0.00	0.00
Treatment D	21.06	21.01	14.07	14.04	8.33	8.31
Total Q (cfs) =	22.77	22.74	14.78	14.76	8.39	8.38