30-Nov-98

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	0.00	0.11
Treatment C	0.33	0.00
Treatment D	0.45	0.67
Total (acres) =	0.78	0.78

Volume	100 year Existing	100 year Proposed	10 year Existing	10 year Proposed	2 year Existing	2 year Proposed
Volume (acre-feet) =	0.11	0.13	0.06	0.08	0.03	0.04
Volume (cubic feet) =	4,817	5,468	2,812	3,371	1,470	1,929

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	0.00	0.25	0.00	0.10	0.00	0.01
Treatment C	1.04	0.00	0.56	0.00	0.20	0.00
Treatment D	2.12	3.15	1.41	2.10	0.84	1.25
Total Q (cfs) =	3.15	3.40	1.98	2.21	1.04	1.26