

## City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 24, 2003

Jackie McDowell, P.E. McDowell Engineering 7820 Beverly Hills Ave. NE Albuquerque, NM 87122

Re: Lowe/Rivera Sauvignon #4, 11509 Zinfandel Ave, Grading and Drainage

Plan

Engineer's Stamp dated 10-29-03 (E22/D7F5)

Dear Ms. McDowell,

Based upon the information provided in your submittal received 11-06-03, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, you can contact me at 924-3981.

Sincerely,

Kristal D. Metro Engineering Associate, Planning Dept.

Development and Building Services

BUB

C: file

25-Sep-03		
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LOWE/RIVERA SAUVIGNON #4

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 = 4

Depth at 100-year, 6-hour storm: (Table A-2)

2.90 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)				
	E	xisting	Proposed	
Treatment A		0.00	0.00	
Treatment B		0.00	0.30	
Treatment C		0.52	0.00	
Treatment D		0.00	0.22	
Total (acre	s) =	0.52	0.52	

Volume		100 year	100 year	10 year	10 year	2 year	2 year
·		Existing	Proposed	Existing	Proposed	Existing	Proposed
-	Volume (acre-feet) =	0.06	0.08	0.03	0.04	0.01	0.02
	Volume (cubic feet) =	2,756	3,284	1,378	1,851	510	926

Total Q(p), cfs:						
	100 year	100 year	10 year	10 year	2 year	2 year
	Existing	Proposed .	Existing	Proposed	Existing	Proposed
	Q(p)*A	Q(p)*A	Q(p)*A	Q(p)*A	Q(p)*A	Q(p)*A
Treatment A	0.00	0.00	0.00	0.00	0.00	0.00
Treatment B	0.00	0.88	0.00	0.44	0.00	0.11
Treatment C	1.94	0.00	1.18	0.00	0.52	0.00
Treatment D	0.00	1.16	0.00	0.79	0.00	0.48
Total Q (cfs) =	1.94	2.03	1.18	1.22	0.52	0.59