

# CITY OF ALBUQUERQUE



August 28, 2014

Mr. David Thompson  
Thompson Engineering Consultants  
PO Box 65760  
Albuquerque, NM 87193

**Re: La Vista Subdivision  
Grading and Drainage Plan  
Engineer's Stamp Date 8-28-14 (C19D042A)**

Dear Mr. Thompson,

Based upon the information provided in your submittal received 8-28-14, the above referenced plan is approved for Grading Permit for Lot 17 of La Vista Subdivision. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

PO Box 1293

Prior to Building Permit approval, Engineer Certification per the DPM checklist will be required.

Albuquerque

If you have any questions, you can contact me at 924-3994.

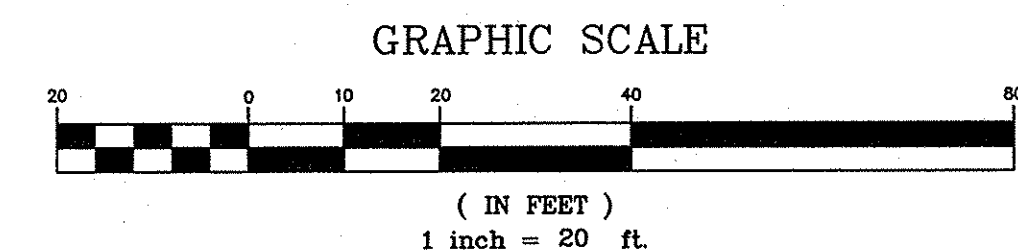
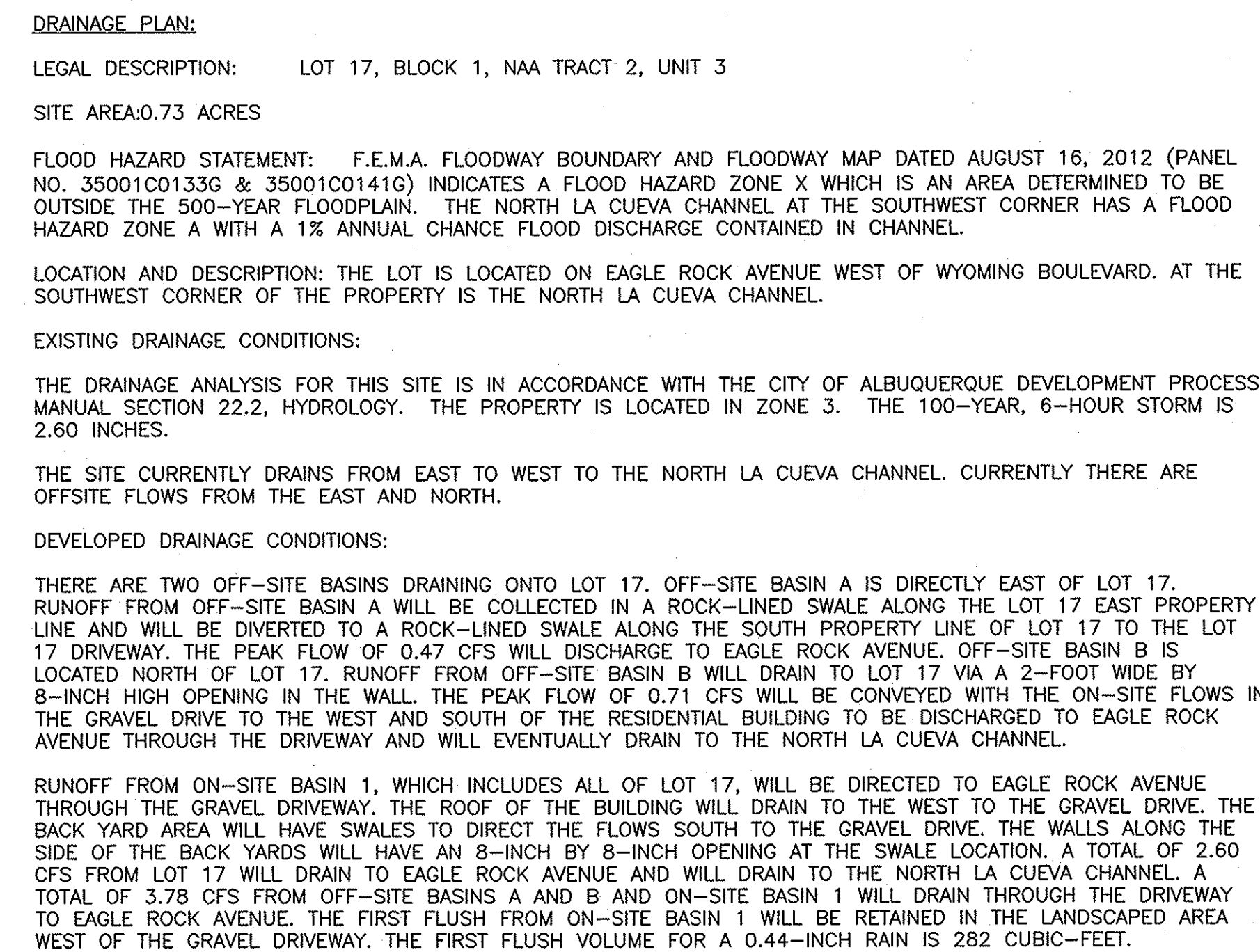
New Mexico 87103

Sincerely,

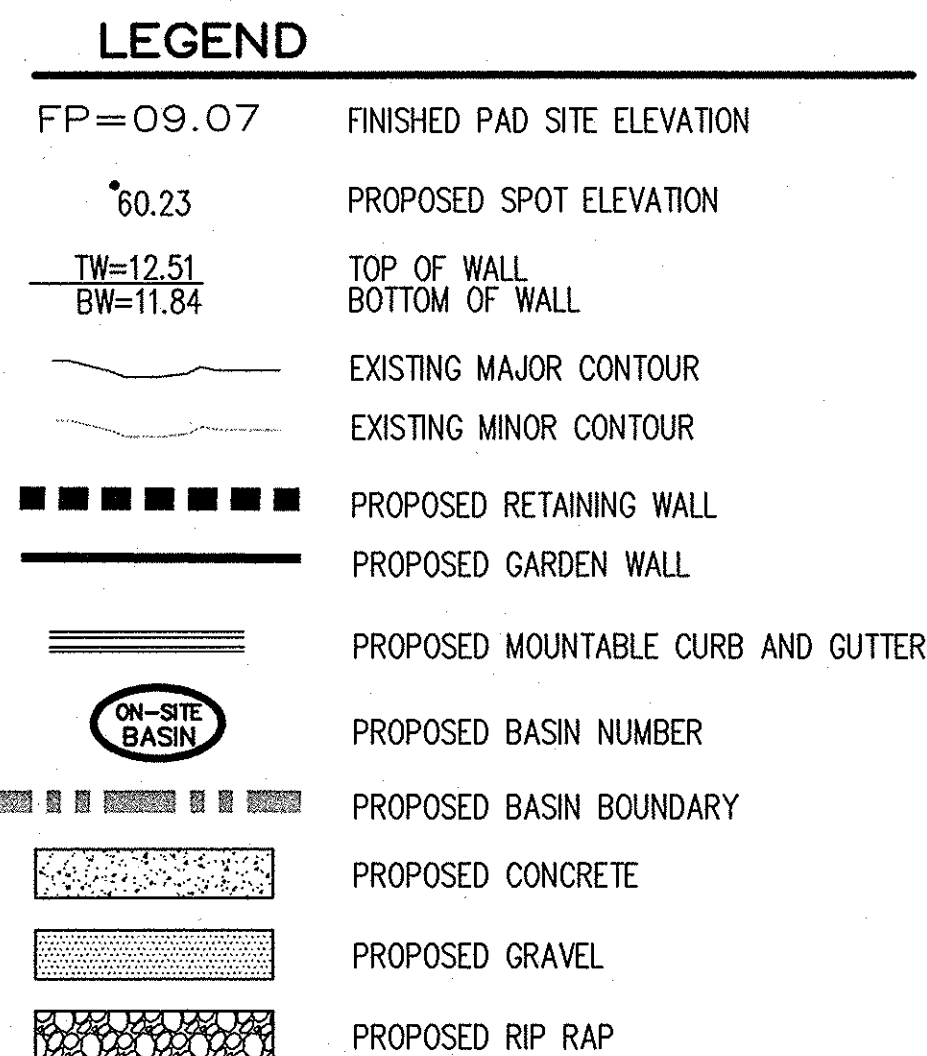
Amy L. D. Niese, P.E.  
Senior Engineer, Hydrology  
Planning Department

[www.cabq.gov](http://www.cabq.gov)

C: e-mail



BASIN #	AREA (acre)	LAND TREATMENT				WEIGHTED E (in)	100-YEAR PRECIPITATION				
		A (%)	B (%)	C (%)	D (%)		V (6-hr) (acre-ft)	V (1-hr) (cu-ft)	V (24-hr) (acre-ft)	V (24-hr) (cu-ft)	Q (cfs)
EXISTING CONDITIONS											
OFF-SITE A	0.2535	100.00	0.00	0.00	0.00	0.68	0.01	607	0.01	607	0.47
OFF-SITE B	0.3790	100.00	0.00	0.00	0.00	0.68	0.02	908	0.02	908	0.71
ON-SITE 1	0.7277	100.00	0.00	0.00	0.00	0.68	0.04	1,743	0.04	1,743	1.36
TOTAL RUNOFF	1.36						0.07	3,259	0.07	3,259	2.54
PROPOSED CONDITIONS											
ON-SITE 1	0.7277	0.00	43.50	25.20	31.30	1.46	0.09	3,867	0.10	4,281	2.60
TOTAL RUNOFF	0.73						0.09	3,867	0.10	4,281	2.60
EXCESS PRECIP		0.66	0.92	1.29	2.36	E <sub>o</sub> (in)					
PEAK DISCHARGE		1.87	2.6	3.45	5.02	Q <sub>pk</sub> (cfs)					
							ZONE = 3 P <sub>6HR</sub> (in.) = 2.60 P <sub>1HR</sub> (in.) = 3.10 P <sub>24HR</sub> (in.) = 4.90				
WEIGHTED E (in) = (E <sub>a</sub> )(%)A + (E <sub>b</sub> )(%)B + (E <sub>c</sub> )(%)C + (E <sub>d</sub> )(%)D V <sub>6HR</sub> (acre-ft) = (V (6-hr)) (AREA)/12 V <sub>24HR</sub> (acre-ft) = V <sub>6HR</sub> + (A <sub>o</sub> )/PROD <sub>AV</sub> - P <sub>6HR</sub> /12 Q (cfs) = (Q <sub>pk</sub> )(A <sub>o</sub> ) + (Q <sub>pk</sub> )(A <sub>b</sub> ) + (Q <sub>pk</sub> )(A <sub>c</sub> ) + (Q <sub>pk</sub> )(A <sub>d</sub> )											





CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DEVELOPMENT

LOT 17, BLOCK 1, NAA TRACTS 2, UNIT 3  
GRADING AND DRAINAGE PLAN FOR LOT 17

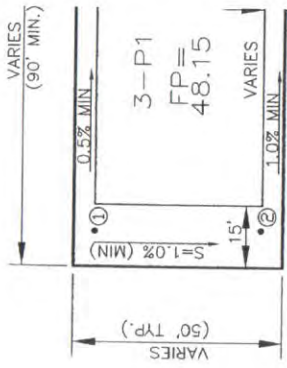
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.
City Project No. XXXXXX	Zone Map No. C-19-Z	Sheet 1	Of 1	



  
**GRAPHIC SCALE**  
  
 ( IN FEET )  
 1 inch = 20 ft.

[illegible][illegible]





# TYPICAL LOT GR

- TO SET SPOT ① - SUBTRACT 0.25'
- TO SET SPOT ② - SUBTRACT LENGT
- TO SET SPOT ③ - SUBTRACT LENGT
- TO SET SPOT ④ - SUBTRACT LENGT
- TO SET SPOT ⑤ - MULTIPLY D1 BY

## DRAINAGE PLAN:

LEGAL DESCRIPTION: LC NORTH ALBI

SITE AREA: 1.92 ACRES

FLOOD HAZARD STATEMENT 35001C0133G & 35001C014 FLOODPLAIN. THE NORTH I CHANCE FLOOD DISCHARGE

LOCATION AND DESCRIPTION EAGLE ROCK AVENUE. AT T

EXISTING DRAINAGE CONDITI

THE DRAINAGE ANALYSIS FC 22.2, HYDROLOGY. THE PR

THE SITE CURRENTLY DRAIN THERE ARE OFFSITE FLOWS EXISTING 108 INCH RCP STI

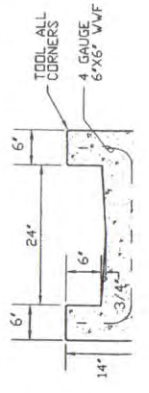
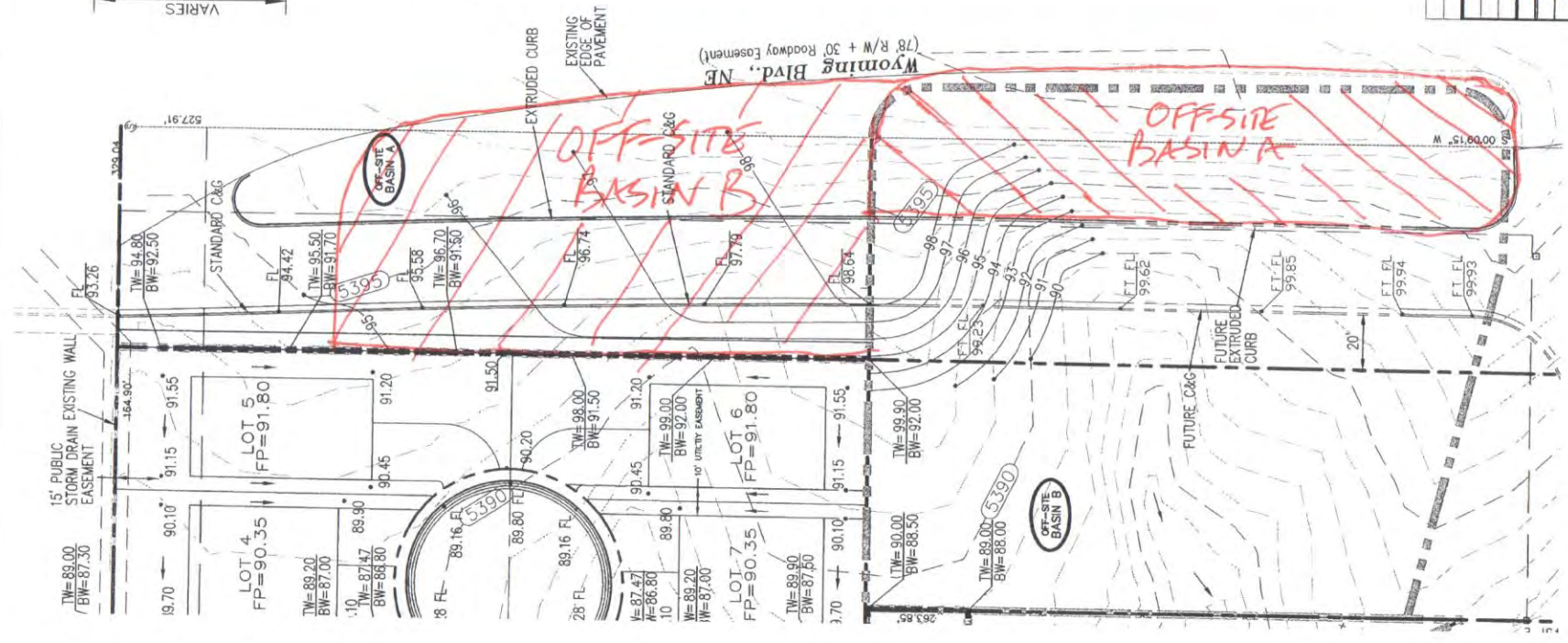
DEVELOPED DRAINAGE CONC

THE PROPERTY HAS BEEN I PORTION OF WYOMING BOUL IN A TEMPORARY RETENTIO 1,126 CUBIC FEET. THE PON CONSTRUCTED TO ACCOMOC FLOWS WILL BE DIRECTED N REACHING THE SUBDIVISION. CUEVA CHANNEL.

RUN-OFF FROM ON-SITE B TOWARD THE CUL-DE-SAC. DISCHARGED TO THE LA CU COURT. RUNOFF FROM ON- CHANNEL. TOTAL RUNOFF F

NC

100-YI		LAND TREA	
BASIN #	AREA (acre)	A	B
		(%)	(%)
OFF-SITE A	0.4700	0.00	0.00
OFF-SITE B	1.0000	0.00	0.00
ON-SITE 1	1.5500	0.00	0.00
ON-SITE 2	0.3700	0.00	0.00
TOTAL RUNOFF	3.39		
ON-SITE 1	1.5500	0.00	0.00
ON-SITE 2	0.3700	0.00	0.00
TOTAL RUNOFF	1.92		



LOT 17 BASIN EXHIBIT