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.

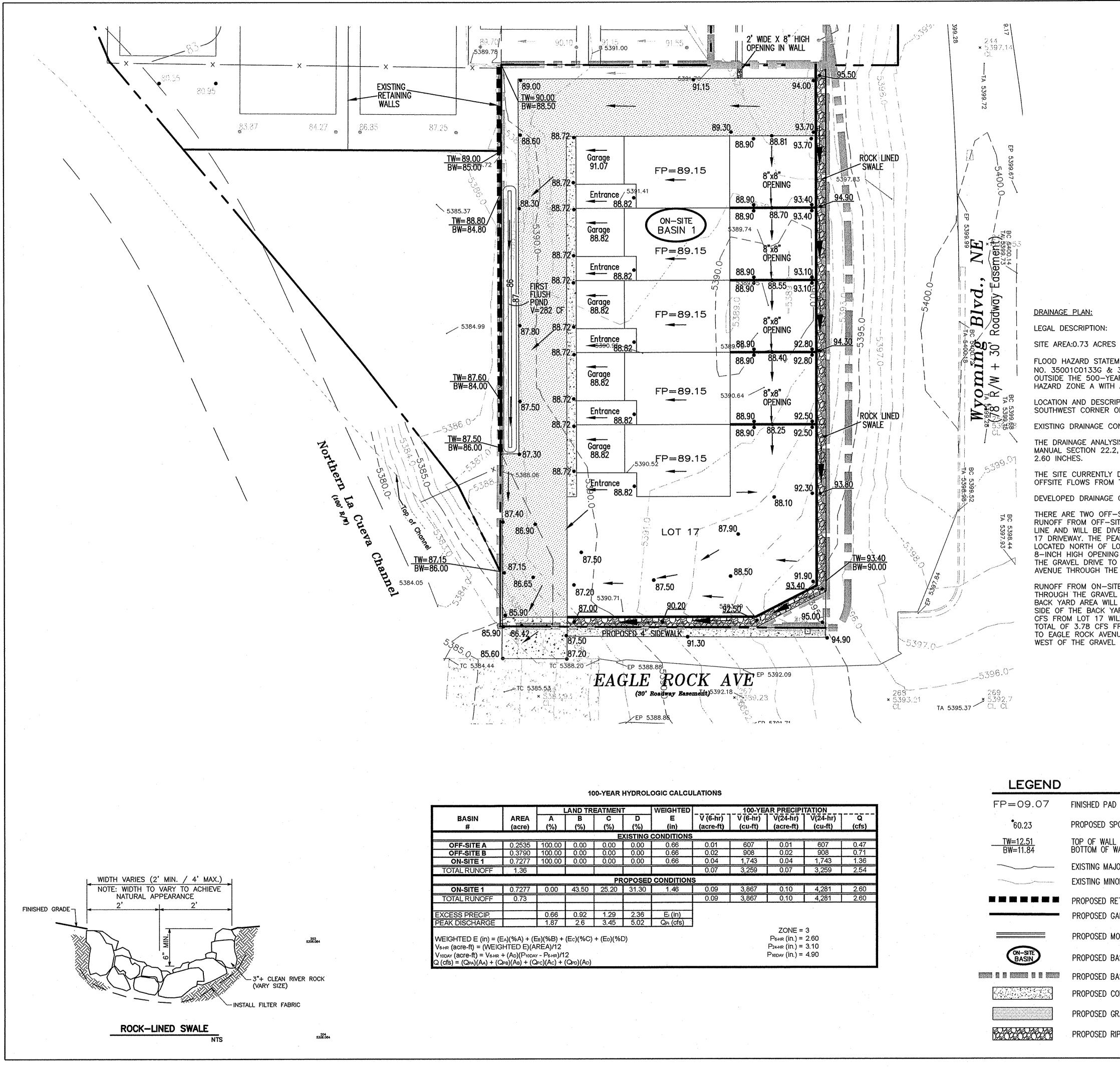
New Mexico 87103

Sincerely Amy L. D. Niese, P.E.

www.cabq.gov

Senior Engineer, Hydrology Planning Department

C: e-mail

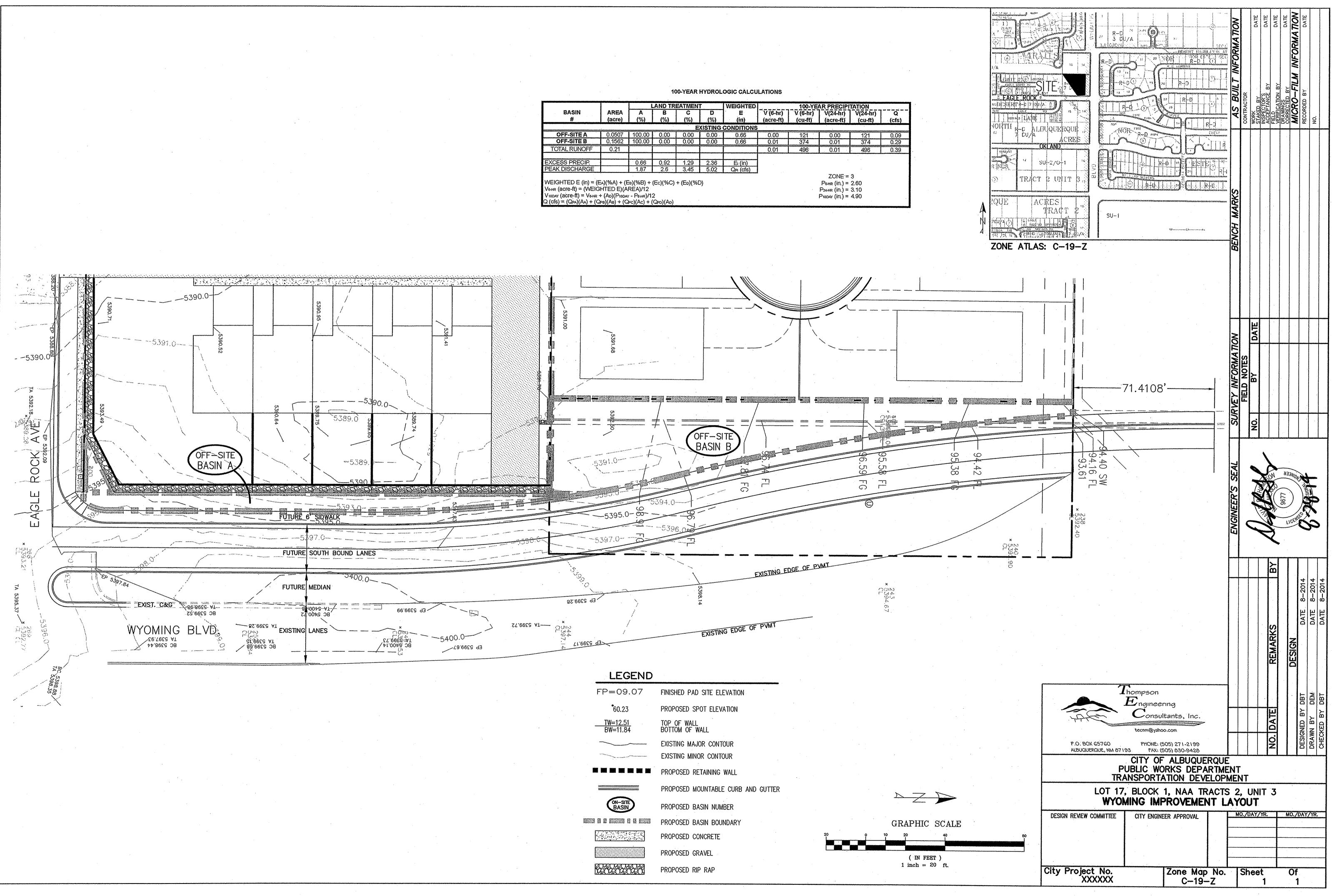


THE SITE CURRENTLY OFFSITE FLOWS FROM

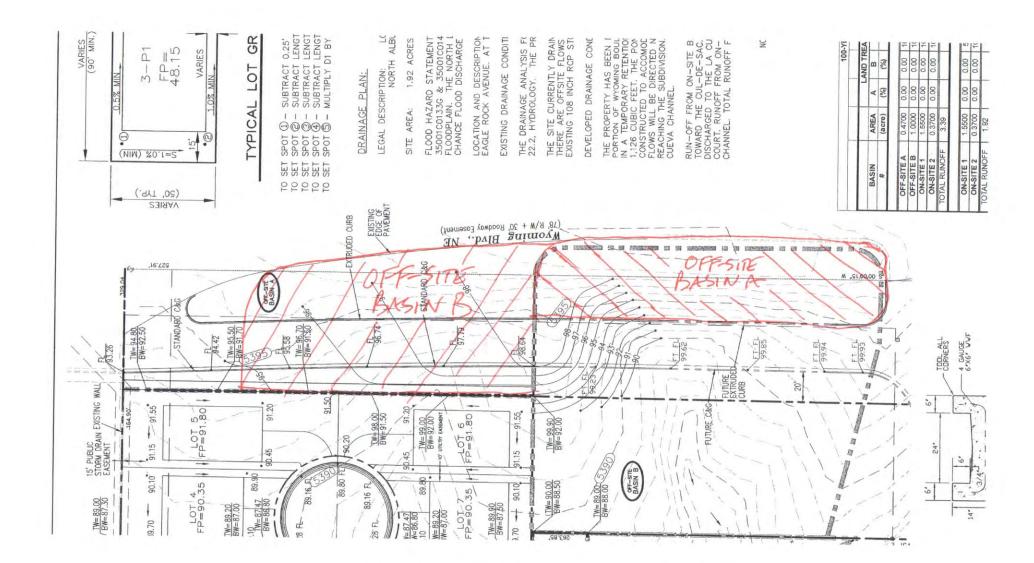
THROUGH THE GRAVEL BACK YARD AREA WILL SIDE OF THE BACK YA CFS FROM LOT 17 WII WEST OF THE GRAVEL

(acre) (%) (%) (%) (in) (acre-ft) (cu-ft) (acre-ft) (cu-ft) (acre-ft) (cu-ft) (cu-ft)<		Ĺ	AND TR	EATMEN	r	WEIGHTED			AR PRECIPI	and the set of the set of the set of		
EXISTING CONDITIONS 0.2535 100.00 0.00 0.00 0.66 0.01 607 0.01 607 0.3790 100.00 0.00 0.00 0.66 0.02 908 0.02 908 0.7277 100.00 0.00 0.00 0.66 0.04 1,743 0.04 1,74 1.36 0.07 3,259 0.07 3,25 PROPOSED CONDITIONS 0.7277 0.00 43.50 25.20 31.30 1.46 0.09 3,867 0.10 4,28 0.73 0.09 3,867 0.10 4,28 0.66 0.92 1.29 2.36 Ei (in) 4	AREA					ł .				V(24-hr)	Q	
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0.3790 100.00 0.00 0.00 0.06 0.02 908 0.02 908 0.7277 100.00 0.00 0.00 0.00 0.66 0.04 1,743 0.04 1,74 1.36 0.07 3,259 0.07 3,259 PROPOSED CONDITIONS 0.7277 0.00 43.50 25.20 31.30 1.46 0.09 3,867 0.10 4,28 0.73 0.09 3,867 0.10 4,28 0.73 4,28 0.66 0.92 1.29 2.36 Ei (in)				E	XISTING	CONDITIONS						
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1.36 0.07 3,259 0.07 3,259 PROPOSED CONDITIONS 0.7277 0.00 43.50 25.20 31.30 1.46 0.09 3,867 0.10 4,28 0.73 0.66 0.92 1.29 2.36 Ei (in) 6.66 0.92 1.29 2.36 2.36 Ei (in) 6.66 0.92 1.29 2.36 0.10 4.28 0.10 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29	0.3790	100.00	0.00	0.00	0.00	0.66	0.02	908	0.02	908	0.71	
PROPOSED CONDITIONS 0.7277 0.00 43.50 25.20 31.30 1.46 0.09 3,867 0.10 4,28 0.73 0.09 3,867 0.10 4,28 0.73 0.09 3,867 0.10 4,28 0.66 0.92 1.29 2.36 Ei (in)).7277	100.00	0.00	0.00	0.00	0.66	0.04	1,743	0.04	1,743	1.36	
0.7277 0.00 43.50 25.20 31.30 1.46 0.09 3,867 0.10 4,28 0.73 0.09 3,867 0.10 4,28 0.73 0.09 3,867 0.10 4,28 0.66 0.92 1.29 2.36 Ei (in)	1.36			·	·		0.07	3,259	0.07	3,259	2.54	
0.73 0.09 3,867 0.10 4,28 0.66 0.92 1.29 2.36 E _i (in)				PR	OPOSED	CONDITION	5			•		
0.66 0.92 1.29 2.36 E _i (in)	0.7277	0.00	43.50	25.20	31.30	1.46	0.09	3,867	0.10	4,281	2.60	
	0.73						0.09	3,867	0.10	4,281	2.60	
1.87 2.6 3.45 5.02 Qn (cfs)												
		1.87	2.6	3.45	5.02	QPi (CfS)						
ZONE = 3												
(in.) = 2.60 PGHR (in.) = 2.60			(Ec)(%C)	+ (Eo)(%[D)							
ED E)(AREA)/12 P_{24+R} (in.) = 3.10 AD)(P10DAY - P6+R)/12 P_{10DAY} (in.) = 4.90							P_{24-HR} (in.) = 3.10					

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	TE B B C C C C C C C C C C C C C		MARKS AS BUILT INFO	CONTRACTOR WORK STAKED BY DATE	INSPECTOR'S ACCEPTANCE BY FIELD VERIFICATION BY DATE	DRAWINGS CORRECTED BY MICRO-FILM INFORMATION	RECORDED BY DATE NO.
4 ZONE ATLAS			BENCH				
MENT: F.E.M.A. FLOODWAY BOUNDARY A 35001C0141G) INDICATES A FLOOD HAZ AR FLOODPLAIN. THE NORTH LA CUEVA A 1% ANNUAL CHANCE FLOOD DISCHAR PTION: THE LOT IS LOCATED ON EAGLE OF THE PROPERTY IS THE NORTH LA CU ONDITIONS: SIS FOR THIS SITE IS IN ACCORDANCE W 2, HYDROLOGY. THE PROPERTY IS LOCA DRAINS FROM EAST TO WEST TO THE N THE EAST AND NORTH. CONDITIONS: -SITE BASINS DRAINING ONTO LOT 17. O ITE BASIN A WILL BE COLLECTED IN A R /ERTED TO A ROCK-LINED SWALE ALONG AK FLOW OF 0.47 CFS WILL DISCHARGE OT 17. RUNOFF FROM OFF-SITE BASIN G IN THE WALL. THE PEAK FLOW OF 0.7 O THE WEST AND SOUTH OF THE RESIDE E DRIVEWAY AND WILL EVENTUALLY DRAIN	ARD ZONE X WHICH IS AN A CHANNEL AT THE SOUTHWES GE CONTAINED IN CHANNEL. ROCK AVENUE WEST OF WYO VEVA CHANNEL. ITH THE CITY OF ALBUQUERO TED IN ZONE 3. THE 100- ORTH LA CUEVA CHANNEL. O ORTH LA CUEVA CHANNEL. O ORTH LA CUEVA CHANNEL. O FF-SITE BASIN A IS DIRECTLE ROCK-LINED SWALE ALONG T THE SOUTH PROPERTY LINE TO EAGLE ROCK AVENUE. O B WILL DRAIN TO LOT 17 VI 1 CFS WILL BE CONVEYED A NTIAL BUILDING TO BE DISCH I TO THE NORTH LA CUEVA DT 17, WILL BE DIRECTED TO	AREA DETERMINED TO BE ST CORNER HAS A FLOOD OMING BOULEVARD. AT THE QUE DEVELOPMENT PROCES YEAR, 6-HOUR STORM IS CURRENTLY THERE ARE CURRENTLY THERE ARE URRENTLY THERE ARE LY EAST OF LOT 17. HE LOT 17 EAST PROPERT E OF LOT 17 TO THE LOT OFF-SITE BASIN B IS IA A 2-FOOT WIDE BY WITH THE ON-SITE FLOWS HARGED TO EAGLE ROCK CHANNEL. D EAGLE ROCK AVENUE	R'S SEAL SURVEY IN	FIELD NOTES		9677)	
	SOUTH TO THE GRAVEL DRIV OPENING AT THE SWALE LO WILL DRAIN TO THE NORTH N—SITE BASIN 1 WILL DRAIN ASIN 1 WILL BE RETAINED IN	E. THE WALLS ALONG THE DCATION. A TOTAL OF 2.60 LA CUEVA CHANNEL. A I THROUGH THE DRIVEWAY N THE LANDSCAPED AREA 82 CUBIC—FEET.	ENGINEE		REMARKS BY	DESIGN	DATE 8-2014 DATE 8-2014 DATE 8-2014
O SITE ELEVATION POT ELEVATION VALL IOR CONTOUR OR CONTOUR ETAINING WALL ARDEN WALL	P.O. BOX 65760 ALBUQUERQUE, NM 8719	hompson Engineering Consultants, Inc. tecnm@yahoo.com PHONE: (505) 271-2199 FAX: (505) 830-9428 CITY OF ALBUQUEF JBLIC WORKS DEPAN		T	NO. DATE		DESIGNED BY DBT DRAWN BY DEM CHECKED BY DBT
ARDEN WALL OUNTABLE CURB AND GUTTER ASIN NUMBER ASIN BOUNDARY ONCRETE	LOT 17,	BLOCK 1, NAA TRA BLOCK 1, NAA TRA ND DRAINAGE PL CITY ENGINEER APPROVAL	ACTS 2 AN FO	<u>NT</u> 2, UN	.OT	17	⁄DAY/YR.
RAVEL IP RAP	City Project No. XXXXXX	Zone Map C—19—		She	et 1	01	F 1



	LAND TREATMENT WEIGHTED						100-YEAR PRECIPITATION						
BASIN #	AREA (acre)	A (%)	B (%)	С (%)	D (%)	E (in)	V (6-hr) (acre-ft)	7 (6-hr)	V(24-hr)	V(24-hr)	Q		
	(aure)	(/0)	(70)	تبعدها وتفاعد المتعاد			أرهبه أرجبته والمحادث	(cu-ft)	(acre-ft)	(cu-ft)	(cfs)		
EXISTING CONDITIONS													
OFF-SITE A	0.0507	100.00	0.00	0.00	0.00	0.66	0.00	121	0.00	121	0.09		
OFF-SITE B	0.1562	100.00	0.00	0.00	0.00	0.66	0.01	374	0.01	374	0.29		
TOTAL RUNOFF	0.21).	0.01	496	0.01	496	0.39		
EXCESS PRECIP		0.66	0.92	1.29	2.36	Ei (in)				•			
PEAK DISCHARGE		1.87	2.6	3.45	5.02	QPi (Cfs)							
								ZONE = 3					
WEIGHTED E (in) = (EA)(%A) + (EB)(%B) + (EC)(%C) + (ED)(%D)								Реня (in.) = 2.60					
Verr (acre-ft) = (WEIGHTED E)(AREA)/12								P_{24+R} (in.) = 3.10					
V_{10DAY} (acre-ft) = V_{6+R} + (AD)(P_{10DAY} - P_{6+R})/12								P_{10DAY} (in,) = 4.90					



LOT 17 BASIN EXHIBIT