CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

November 20, 2023

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

RE: 619 14th Street SW Permanent C.O. – Accepted Engineer's Certification Date: 11/15/23 Hydrology File: K13D084

Dear Mr. Thompson:

PO Box 1293 Based on the Certification received 11/16/2023 and site visit on 11/17/2023, this letter serves as a "green tag" from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque If you have any questions, please contact me at 924-3995 or <u>rbrissette@cabq.gov</u>.

Sincerely,

NM 87103

Renée C. Brissette

www.cabq.gov

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology Planning Department



City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title:	Hydrology File #
City Address, UPC, OR Parcel:	
Applicant/Agent:	Contact:
	Phone:
Email:	
Applicant/Owner:	Contact:
Address:	Phone:
Email:	
(Please note that a DFT SITE is one that need	ds Site Plan Approval & ADMIN SITE is one that does not need it.)
TYPE OF DEVELOPMENT: PLAT	(#of lots) RESIDENCE
DFT	SITE ADMIN SITE
RE-SUBMITTAL: YES NO	
DEPARTMENT: TRANSPORTA	TION HYDROLOGY/DRAINAGE
Check all that apply under Both the Type	of Submittal and the Type of Approval Sought:
TYPE OF SUBMITTAL:	TYPE OF APPROVAL SOUGHT:
ENGINEER/ARCHITECT CERTIFICA	TION BUILDING PERMIT APPROVAL
PAD CERTIFICATION	CERTIFICATE OF OCCUPANCY
CONCEPTUAL G&D PLAN	CONCEPTUAL TCL DFT APPROVAL
GRADING & DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
DRAINAGE REPORT	FINAL PLAT APPROVAL
DRAINAGE MASTER PLAN	SITE PLAN FOR BLDG PERMIT DFT
CLOMR/LOMR	APPROVAL
TRAFFIC CIRCULATION LAYOUT (7	SIA/RELEASE OF FINANCIAL GUARANTEE
ADMINISTRATIVE	FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT F APPROVAL	OR DFT GRADING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)	SO-19 APPROVAL
STREET LIGHT LAYOUT	PAVING PERMIT APPROVAL
OTHER (SPECIFY)	GRADING PAD CERTIFICATION
omer(billen i)	WORK ORDER APPROVAL
	CLOMR/LOMR
	OTHER (SPECIFY)

DATE SUBMITTED: ____

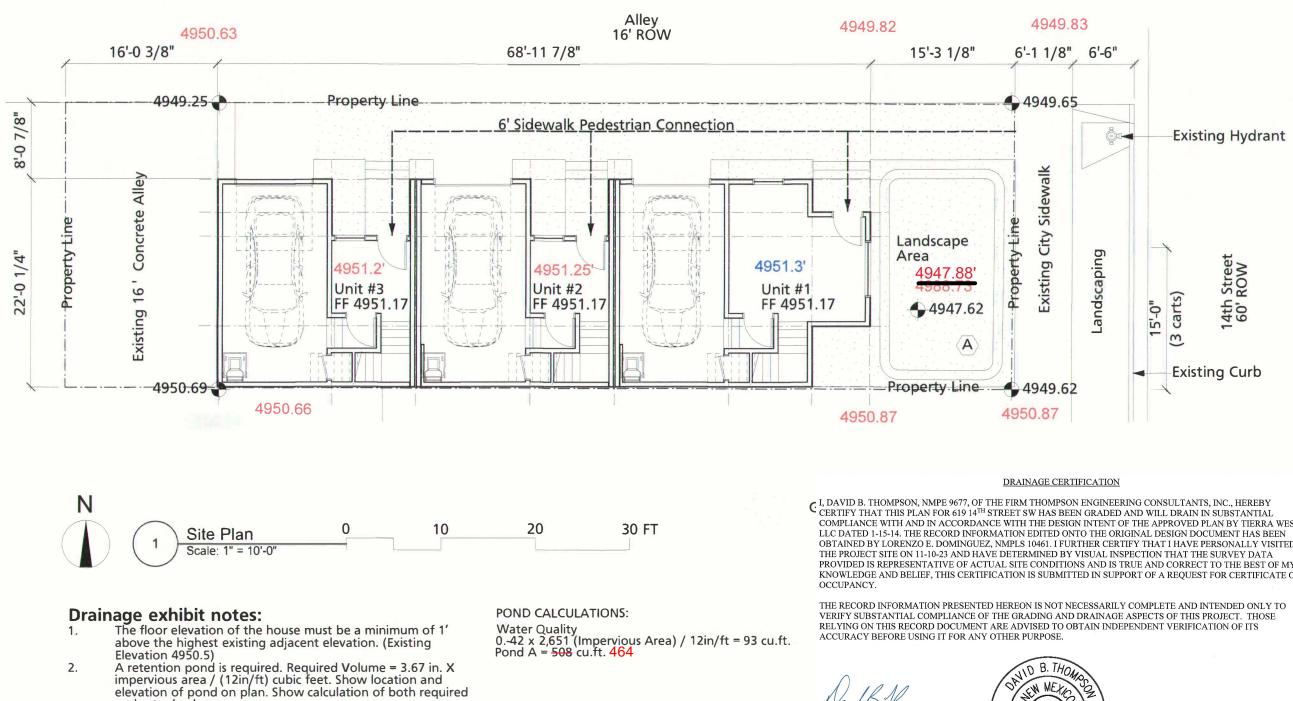
VICINITY MAP

are established by the

Integrated Development Ordinance (IDO).

Project Site: 623 14th Street LPO. NR-PO-C NR-PO-D Barelas -CPO-1 NR-PO-A RIO GRANDE 200 VSELA ADDN 1 P10 18/8/ States def Bostove (Date: Space NR-PO-C AUTOLO AUTON REPLAT HAWKINS NR-PO-C For more details about the Integrated Development Ordinance visit: http://www.cabq.gov/planning/codes-policies-regulations/integrated-develo Zone Atlas Page: **IDO Zone Atlas** K-13-Z **May 2018** Easement Escarpment Petroglyph National Monument Areas Outside of City Limits Airport Protection Overlay (APO) Zone Character Protection Overlay (CPO) Zone Historic Protection Overlay (HPO) Zone IDO Zoning information as of May 17, 2018 The Zone Districts and Overlay Zones Gray Shading Represents Area Outsid View Protection Overlay (VPO) Zone

Fee 0 250 500 1,000



- and actual volume. Provide property corner elevations and a finished floor 3
- elevation. The street must be allowed to drain into the lot.

100-YEAR HYDROLOGIC CALCULATIONS

~		LAND TREATMENT				WEIGHTED			
BASIN	AREA	Α	В	C	D	E	V (6-ł		
#	(acre)	(%)	(%)	(%)	(%)	(in)	(acre-		
EXISTING CONDITIONS							S		
SITE	0.0689	100.00	0.00	0.00	0.00	0.62	0.00		
TOTAL RUNOFF	0.0689						0.00		
FULL DEVELOPMENT CONDITION									
SITE	0.0689	0.00	6.00	6.00	88.00	2.16	0.01		
TOTAL RUNOFF	0.0689						0.01		
EXCESS PRECIP.		0.62	0.8	1.03	2.33	Ei (in)			
PEAK DISCHARGE		1.71	2.36	3.05	4.34	QPi (Cfs)			
	MERCUTED E (:-> - (E-)(0/ A) + (E-)(0/ D) + (E-)(0/ C) + (E-)(0/ D)								

WEIGHTED E (in) = $(E_A)(\%A) + (E_B)(\%B) + (E_C)(\%C) + (E_D)(\%D)$ V6-HR (acre-ft) = (WEIGHTED E)(AREA)/12 V_{10DAY} (acre-ft) = V_{6-HR} + (AD)(P_{10DAY} - P_{6-HR})/12 $Q (cfs) = (Q_{PA})(A_A) + (Q_{PB})(A_B) + (Q_{PC})(A_C) + (Q_{PD})(A_D)$

COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN BY TIERRA WEST, LLC DATED 1-15-14. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY LORENZO E. DOMINGUEZ, NMPLS 10461. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11-10-23 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

DAVID B. THOMPSON, NMPE 9677 NOVEMBER 15, 2023 DATE



SURVEYOR'S CERTIFICATE

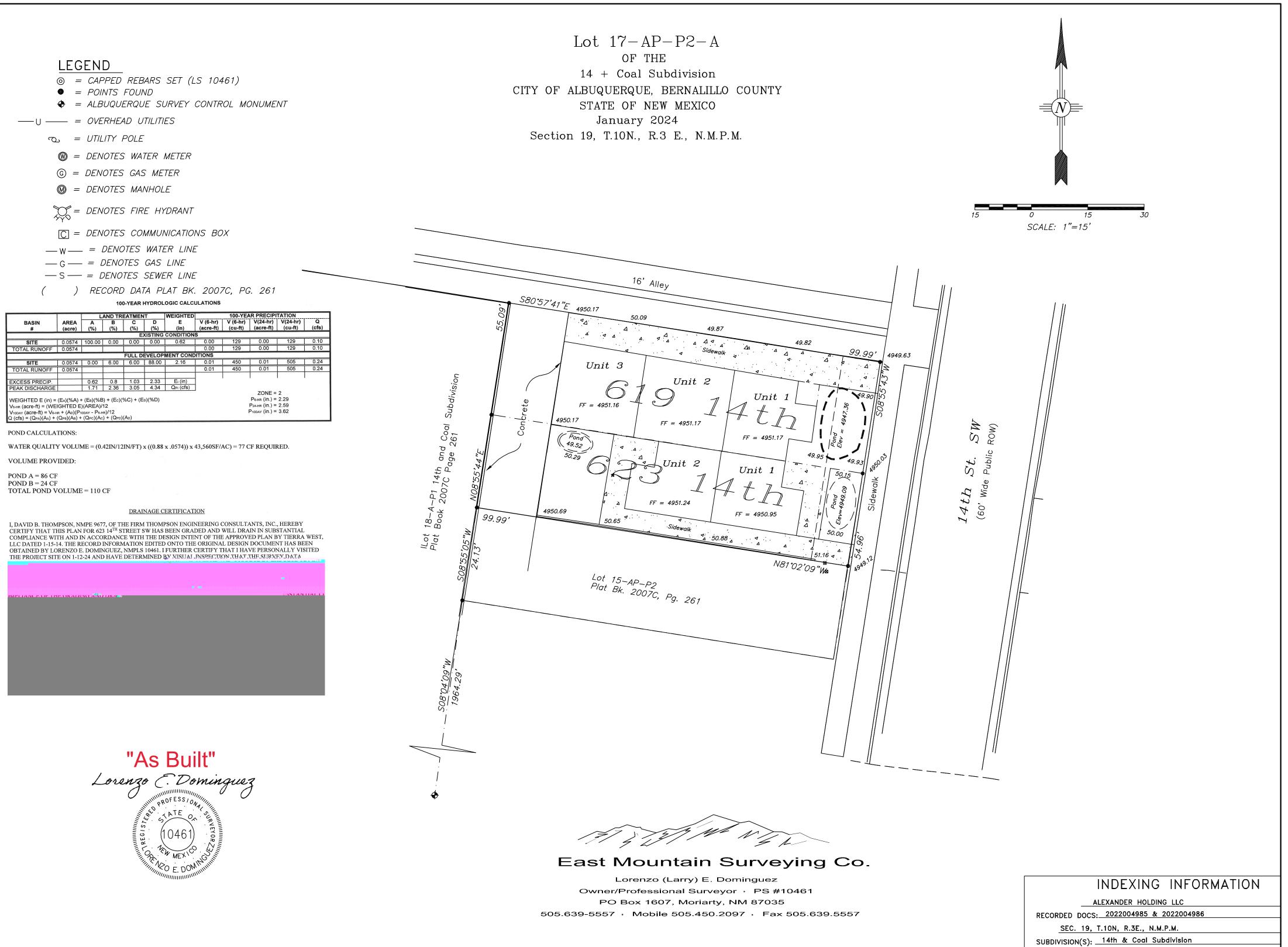
I, Lorenzo E. Dominguez, Professional Land Surveyor No. 10461 Do hereby certify that this "As Built" Survey was prepared by me or under my direction and that it is true and correct to the best of my knowledge and belief.

114123

Lorenzo E. Dominguez PS 1046

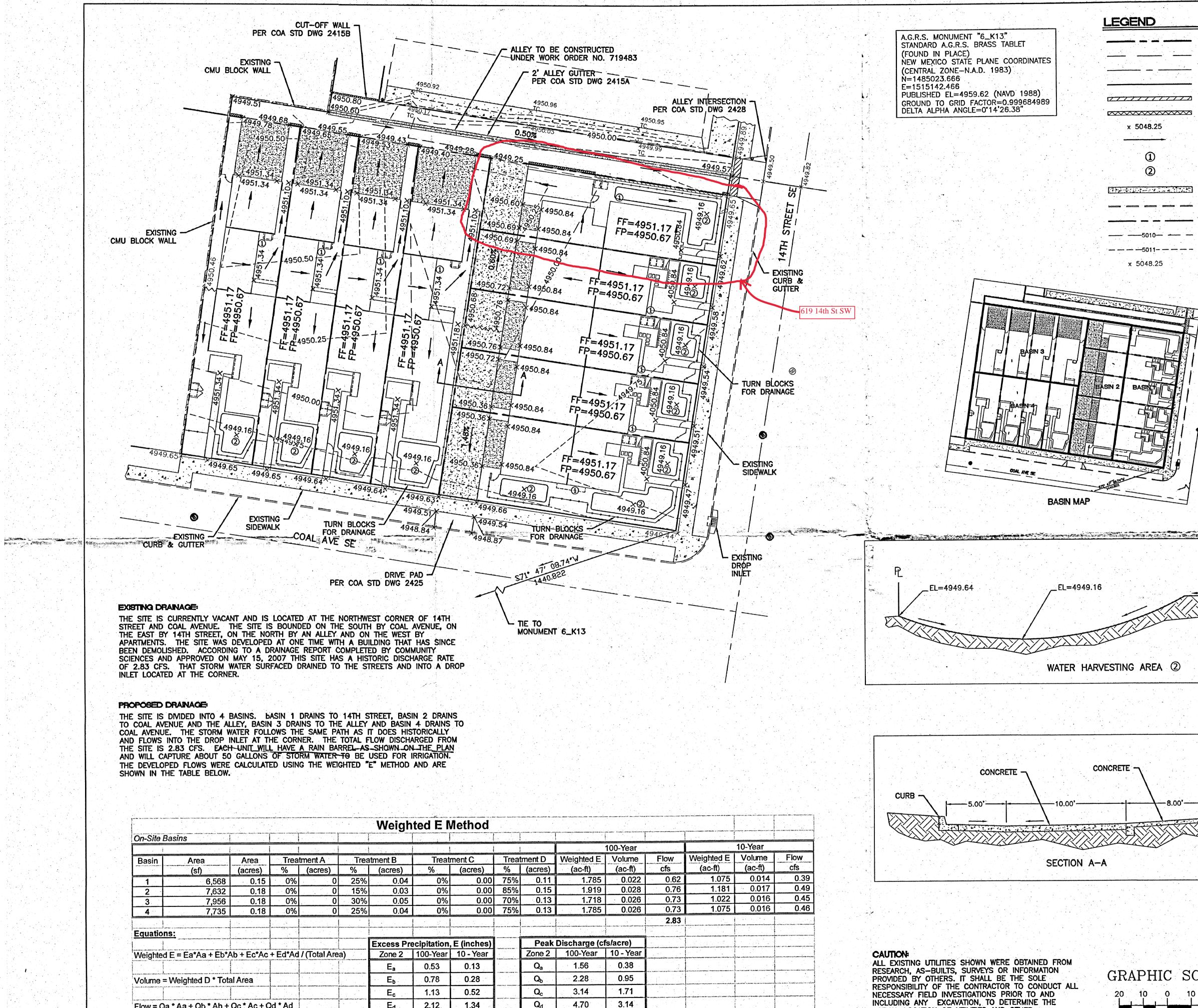
NEW MEXIC O 10461 SIONAL

_						
	100-YEA	R PRECIPI	TATION			
1)	V (6-hr)	V(24-hr)	V(24-hr)	Q		
t)	(cu-ft)	(acre-ft)	(cu-ft)	(cfs)		
	155	0.00	155	0.12		
	155	0.00	155	0.12		
	540	0.01	606	0.29		
	540	0.01	606	0.29		
		ZONE =	-			
		P6-HR (in.) =				
Р _{24-нк} (in.) = 2.59						
P10DAY (in.) = 3.62						



SUBDIVISION(S): <u>14th & Coal Subdivision</u> PROJECT No. <u>EM.21-232-C</u>

Sheet 2 of 2



an an ing an ing an i			Weighted E Method								
On-Site I	Basins										
i i i i i		talitati in anti-					Ĵens a da la la l				
Basin	Area	Area	Trea	tment A	Trea	atment B	Treat	ment C	Treat	ment D	Weighted
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%_	(acres)	(ac-ft)
1	6,568	0.15	0%	0	25%	0.04	0%	0.00	75%	0.11	1.7
2 -	7,632	0.18	0%	0	15%	0.03	0%	0.00	85%	0.15	1.9
3	7,956	0.18	0%	0	30%	0.05	0%	0.00	70%	0.13	1.7
4	7,735	0.18	0%	0	25%	0.04	0%	0.00	75%	0.13	1.7
Equation	ns:										
					ng an ng _a grapa pikingan dalaman kan dalaman n	Excess Precipitation, E (inches)			Peak	Discharg	
Weighted	d E = Ea*Aa + Eb*A	Ab + Ec*Ac	+ Ed*Ad	/ (Total Area	a)	Zone 2	100-Year	10 - Year		Zone 2	100-Yea
						Ea	0.53	0.13		Qa	1.56
Volume = Weighted D * Total Area			Eb	0.78	0.28		Qb	2.28			
					<u></u>	Ec	1.13	0.52		Q _c	3.14
Flow = Q	a * Aa + Qb * Ab +	Qc*Ac+C	d * Ad		anti-rumation and the same the	Ed	2.12	1.34		Qd	4.70

SCALE: 1"=20'

ACTUAL LOCATION OF UTILITIES AND OTHER

IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY * CHANGES FROM THIS PLAN SHALL BE COORDINATED

WITH AND APPROVED BY THE ENGINEER.

		Attention						
BOUNDARY LINE								
EASEMENT								
CENTERLINE								
RIGHT-OF-WAY CMU BLOCK WALL	A 10 16 CONTRACT CONT							
ALLEY CUT-OFF WALL	5 TZ SP P COAL TO FE MARKEN SU-P MFR							
SPOT ELEVATION								
FLOW ARROW		SU SU						
RAIN BARREL (50 GALLON MI	IN.) $\frac{1}{16} = \frac{1}{16} = \frac{1}$							
WATER HARVESTING AREA	N.) SU-2 PK SU	A A A A A A A A A A A A A A A A A A A						
EXISTING SIDEWALK	RIO GRANDE PARK							
EXISTING CURB & GUTTER								
EXISTING BOUNDARY LINE	STOVER &							
EXISTING CONTOUR MAJOR	VCINITY MAP:	K-13-Z						
EXISTING CONTOUR MINOR EXISTING ELEVATION								
		D						
	NORTHEADAVE							
\mathbf{t}	ZONE AO (DEPTH 1)							
		ONEX						
	SITE	ZONE						
	CP TIRONIAVE O							
	ZON	EX						
	STOVERAVE	ZO III.						
	3	5001C0333H						
에 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있다. 같은 것이 있는 것이 있다. 같은 것이 같은 것이 있는 것이 같은 것이 있는 것이 있는 것이 있는 것이 같은 것이 있는 것이 같은 것이 있는 것이 같은 것이 없다.								
	NOTICE TO CONTRACTORS							
	1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEF BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.	ORE						
	2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EX OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCT	CEPT AS						
μ. 	ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.							
BUILDING FF=4951.17	3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST							
	CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION (EXISTING UTILITIES.)F						
	4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE	AND						
	VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR S	HALL						
	NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLUTION MINIMUM AMOUNT OF DELAY.	VED WITH A						
	5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STRE	ET USE.						
	6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBIL THE OWNER OF THE PROPERTY SERVED.	LITY OF						
	7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-	HOUR BASIS.						
BUILDING								
		FA						
	MEGEIV							
	IAN 1 5 2012	TION						
	LAND DEVELOPMENT	SECTION						
		DRAWN BY						
\mathcal{N}	ENGINEER'S THE 14TH WEST	DRAWN BY BJF						
	14TH AND COAL	<i>DATE</i> 01/15/14						
	GRADING AND GRAINAGE PLAN							
CALE		2013044_GRE						
20	Solf 1/5/ 1	SHEET #						
	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE AL BUQUERQUE, NM 87109	C1						
	(505) 858-3100	JOB #						
	RONALD R. BOHANNAN P.E. #7868	2013044						