

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

June 13, 2025

David Soule, P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

RE: 9201 La Tierra Ct. NE
Permanent C.O. – Accepted
Engineer's Certification Date: 6/10/25
Engineer's Stamp Date: 9/26/24
Hydrology File: B19D025A
Case # HYDR-2025-00206

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 06/10/2025 and the site visit on 6/13/2025, this letter serves an approval of the certification in support of a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

NM 87103

Sincerely,

www.cabq.gov

Anthony Montoya, Jr., P.E., CFM
Senior Engineer, Hydrology
Planning Department, Development Review Services

Weighted E Method

							100-Year, 6-hr.				100 yr 24-hr.			
Basin	Area (sf)	Area (acres)	Treatment A (acres)		Treatment B (acres)		Treatment C (acres)		Treatment D (acres)		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
EXISTING	10881.00	0.250	20%	0.05	20%	0.050	34%	0.085	26%	0.065	1.347	0.028	0.78	0.030
PROPOSED	10881.00	0.250	0%	0	25%	0.062	35%	0.087	40%	0.100	1.629	0.034	0.88	0.037

Equations:

Weighted E = Ea**Aa* + Eb**Ab* + Ec**Ac* + Ed**Ad* / (Total Area)

Volume = Weighted D * Total Area

Flow = *Qa* * *Aa* + *Qb* * *Ab* + *Qc* * *Ac* + *Qd* * *Ad*

Where for 100-year, 6-hour storm(zone2)

Ea= 0.67
Eb= 0.86
Ec= 1.09
Ed= 2.58

Qa= 1.84
Qb= 2.49
Qc= 3.17
Qd= 4.49

Developed Conditions 100-YEAR, 24-HR

EXISTING DISCHARGE 1318.41 CF




PROPOSED DISCHARGE 1625.35 CF

INCREASE 306.93 CF

PROVIDED 327.00 CF

This site is the last vacant lot in an existing subdivision. The subdivision was analyzed and approved with drainage file B19-D25. The drainage file assigned allowed developed conditions land treatments. We exceed the proposed condition intensity, therefore we will pond the excess volume based upon the 24-hour event. Drainage patterns will remain as historical and drain to the surrounding roadways. No upland flows impact this site

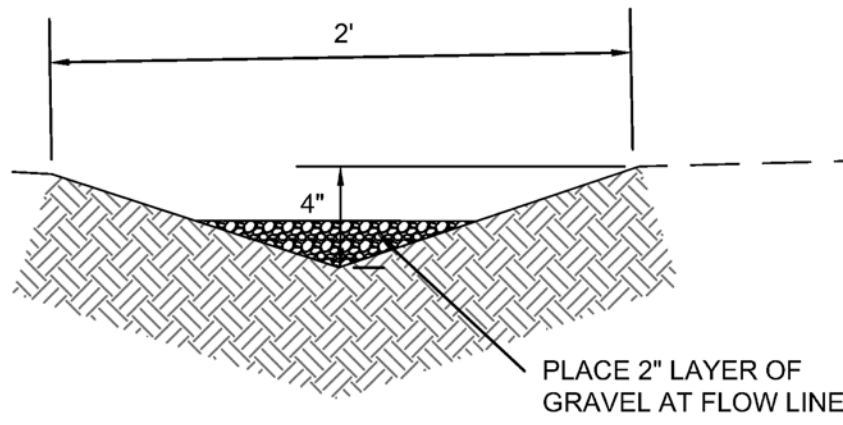
Asbuilt
Lot 1-P1
La Cueva Estates
9201 La Tierra Court

Date	June 9, 2025		Community Sciences Corporation	Land Surveying (505) 897.0000
Crew	JAK, NSV			
Drafter	DKS			
GPS	Nino 6/2025			
JN	N0942--			
Asbuilt Legend				
	elev	Asbuilt Elevation	T	Top of Pond
		Data strikeout	B	Bottom of Pond

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 9/26/24. The certification is submitted in support of a request for CERTIFICATE OF OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project.



CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



EARTHEN SWALE
NTS

MAINTAIN EXISTING
2-TURN-BLOCK PLACE
6" COBBLE AT INVERT
2-4" cores through wall

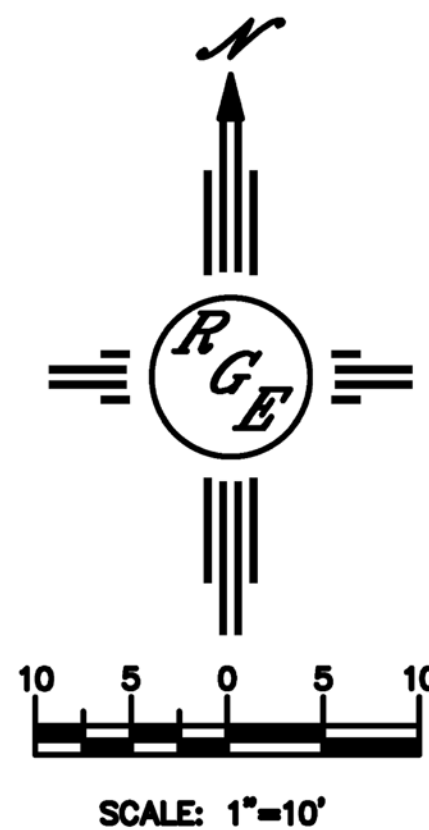
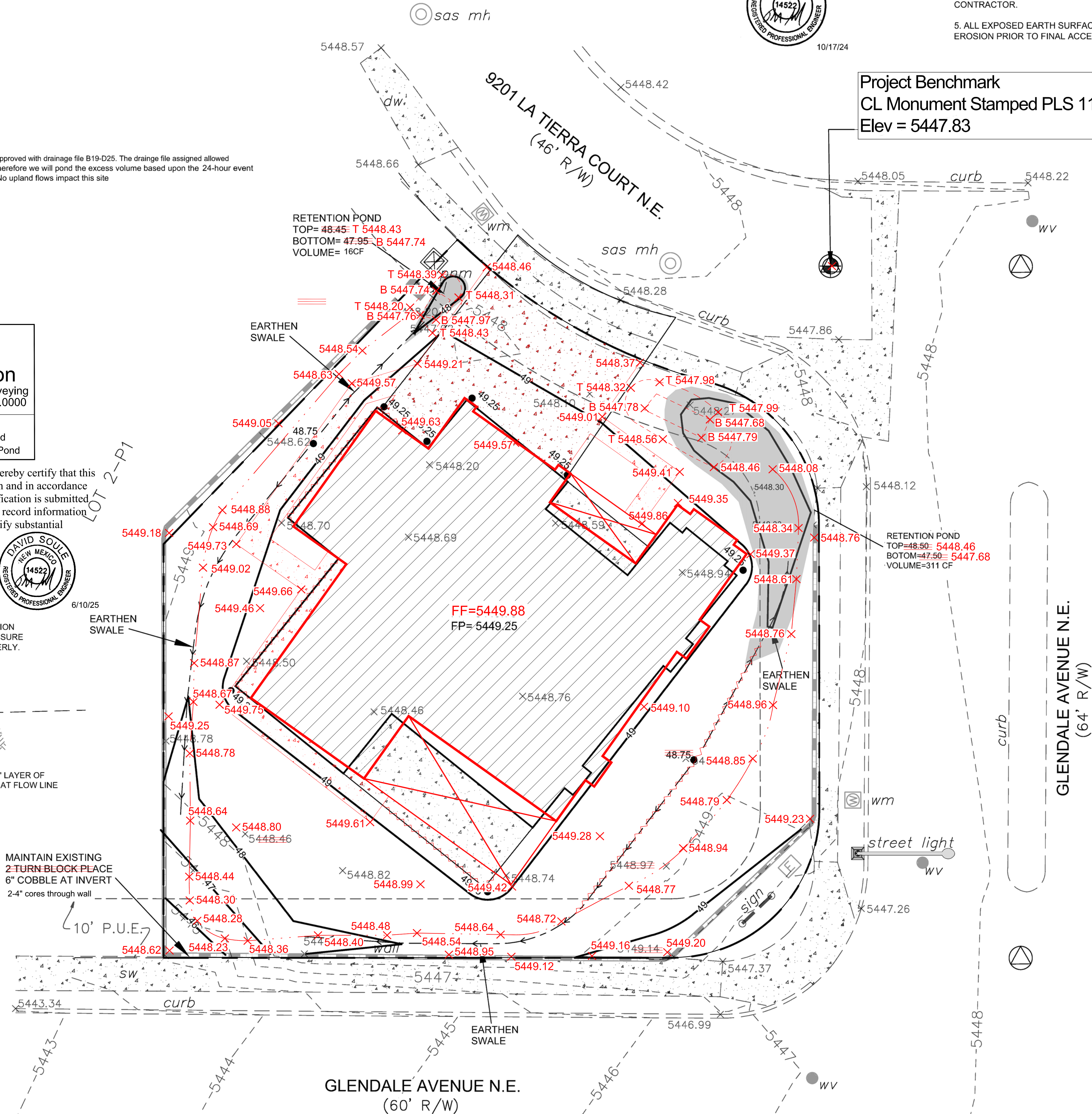
CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 9/26/24

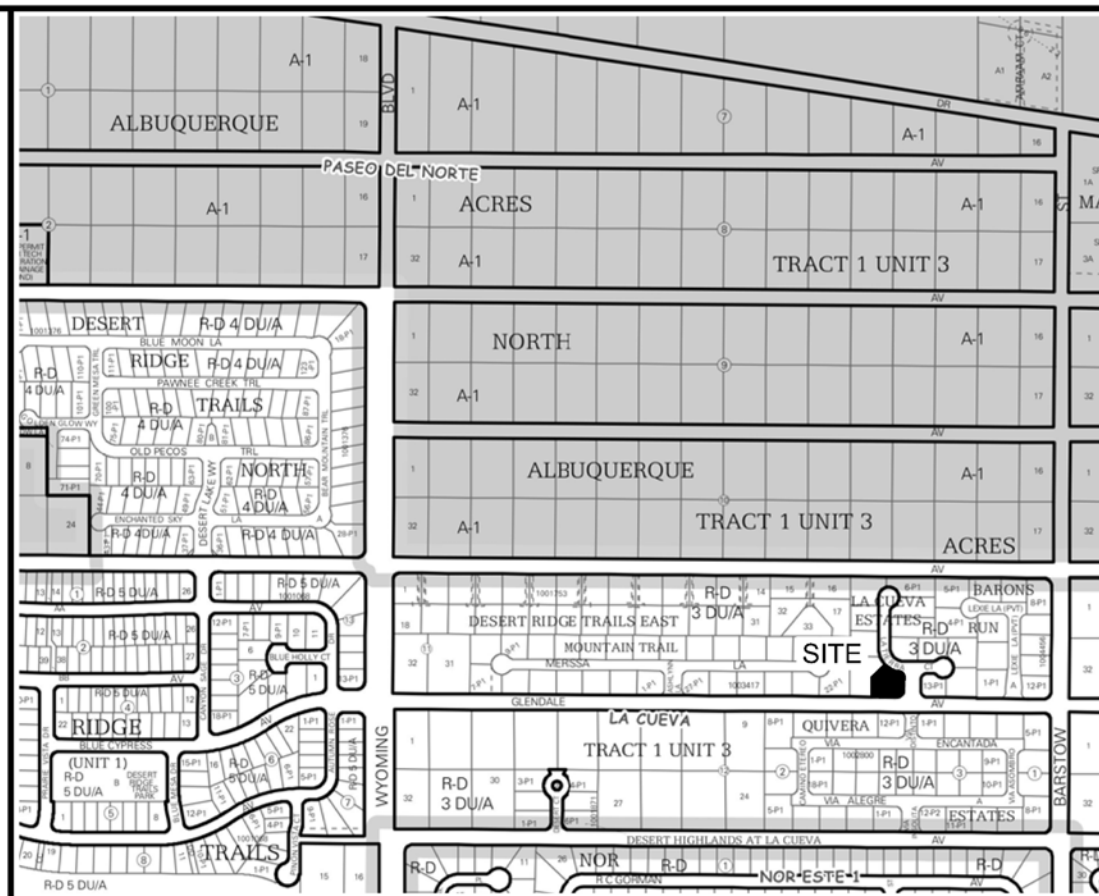


Project Benchmark
CL Monument Stamped PLS 11463
Elev = 5447.83



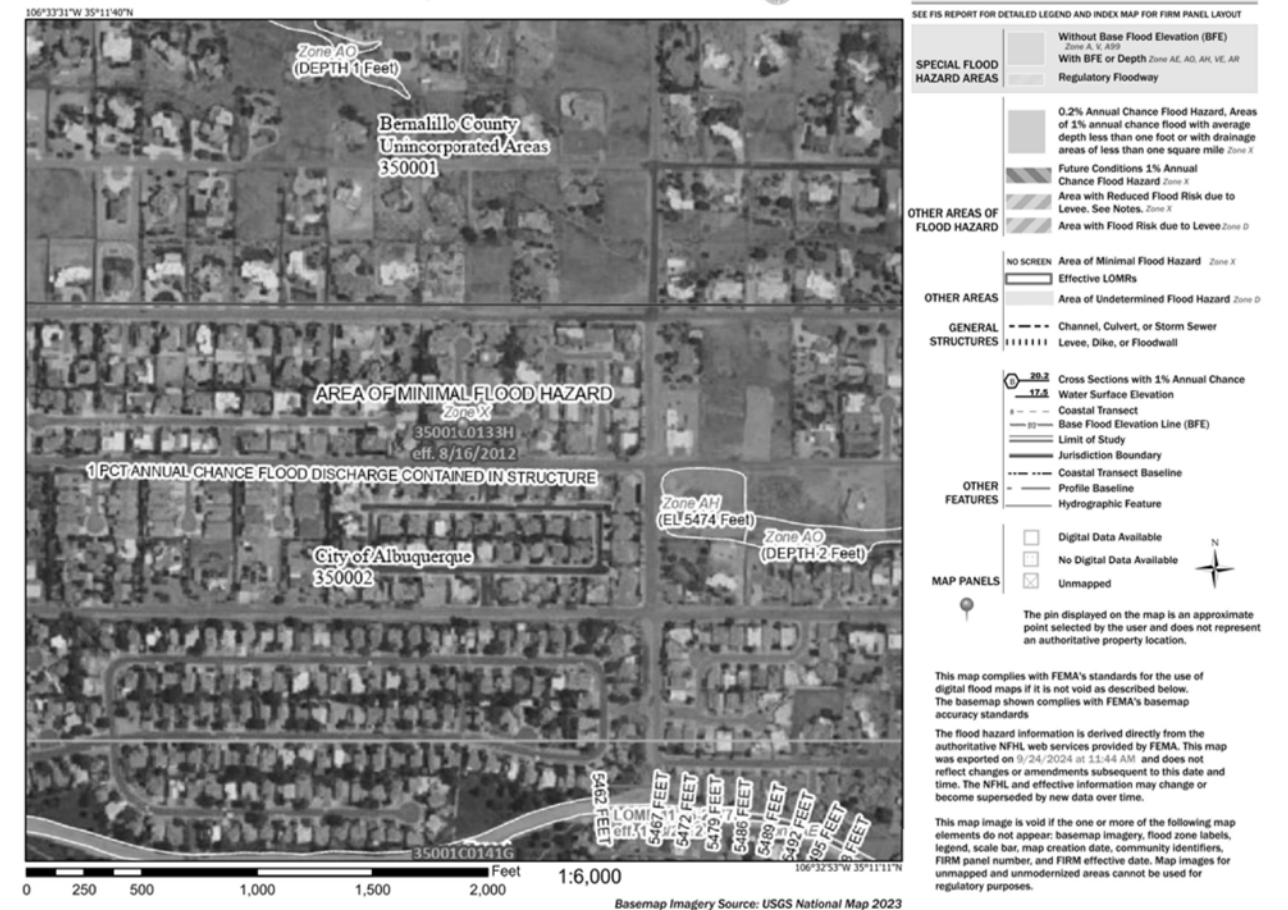
EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: B-19-Z

National Flood Hazard Layer FIRMette



FIRM MAP:

LEGAL DESCRIPTION:



LOT 1-P1 LA CUEVA ESTATES
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
• XXXX	EXISTING SPOT ELEVATION
• XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
-----<-----	PROPOSED EARTHEN SWALE
-----<-----	PROPOSED CONCRETE

ENGINEER'S SEAL  DAVID SOULE P.E. #14522	LOT 1-P1 LA CUEVA ESTATES 9201 LA TIERRA COURT		DRAWN BY DEM
	GRADING AND DRAINAGE PLAN		DATE 9-25-24
 Rio Grande Engineering PO BOX 89924 ALBUQUERQUE, NM 87199 (505) 321-9099	SHEET # C1		JOB #