

CITY OF ALBUQUERQUE



Planning Department
Brennon Williams, Interim Director

Mayor Timothy M. Keller

September 22, 2025

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

**RE: 5720 La Anita Ave NW
Grading and Drainage Plan
Engineer's Stamp Date: 9/12/25
Hydrology File: J11D049
Case # HYDR-2025-00326**

Dear Mr. Soule:

Based upon the information provided in your submittal received 9/12/2025, the Grading & Drainage Plans are approved for Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PRIOR TO CERTIFICATE OF OCCUPANCY:

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 505-924-3420) 14 days prior to any earth disturbance.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Anthony Montoya, Jr.".

Anthony Montoya, Jr., P.E., C.F.M.
Senior Engineer, Hydrology
Planning Department, Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year, 6-hr.			24-hour			
			Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)			
NATIVE	6536.00	0.150	0%	20%	0.030	44%	0.06602	36%	0.054	1.370	0.017	0.48	0.021
PROPOSED	6536.00	0.150	0%	22%	0.033	36%	0.054017	42%	0.063	1.443	0.018	0.49	0.022
REAR BASIN	2396.00	0.055	0%	34%	0.019	51%	0.028052	15%	0.008	1.069	0.005	0.15	0.005

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

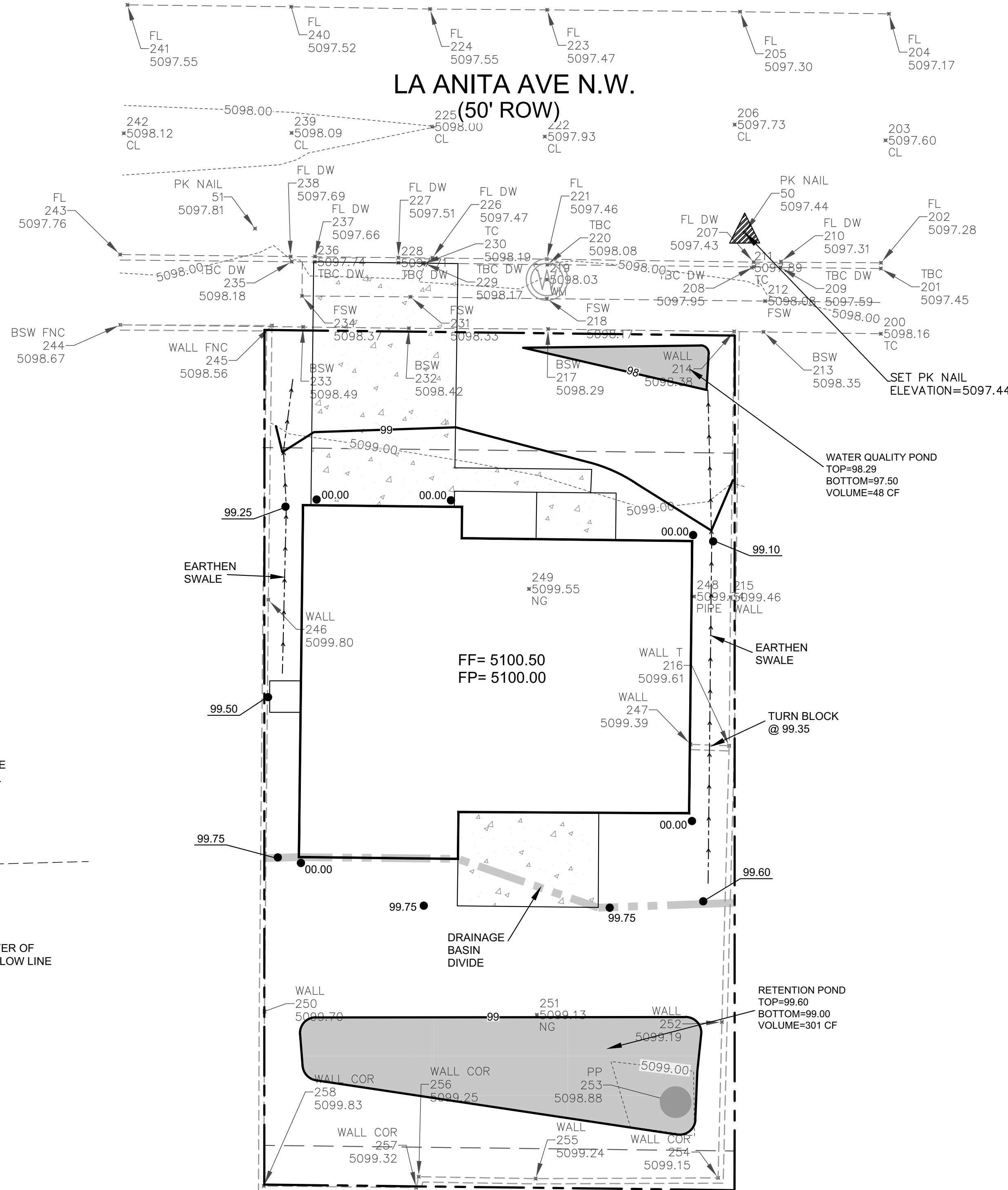
Where for 100-year, 6-hour storm- zone 1

- Ea= 0.55
- Eb= 0.73
- Ec= 0.95
- Ed= 2.24
- Qa= 1.54
- Qb= 2.16
- Qc= 2.87
- Qd= 4.12

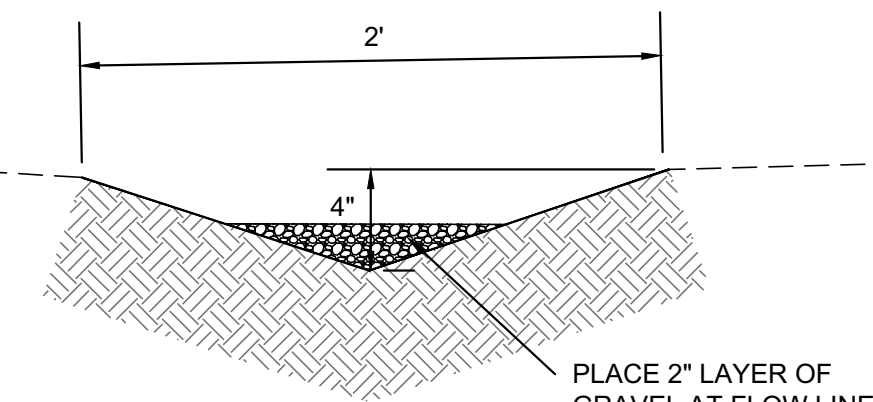
PONDING REQUIRED (FLOOD CONTROL)	65.6 CF
PONDING REQUIRED (WATER QUALITY)	96.1 CF
PONDING PROVIDED TOTAL	349.0 CF
PONDING REQUIRED FOR REAR	237.0 CF
PONDING PROVIDED FOR REAR YARD	301.0 CF

This site is within a redevelopment of a burned building. Per the city standard, we will match existing by ponding the increase. The discharge is captured by a city maintained storm drain. The site will be required to retain the water quality volume and discharge to roadway.

water quality
=area (%) x .42/12



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



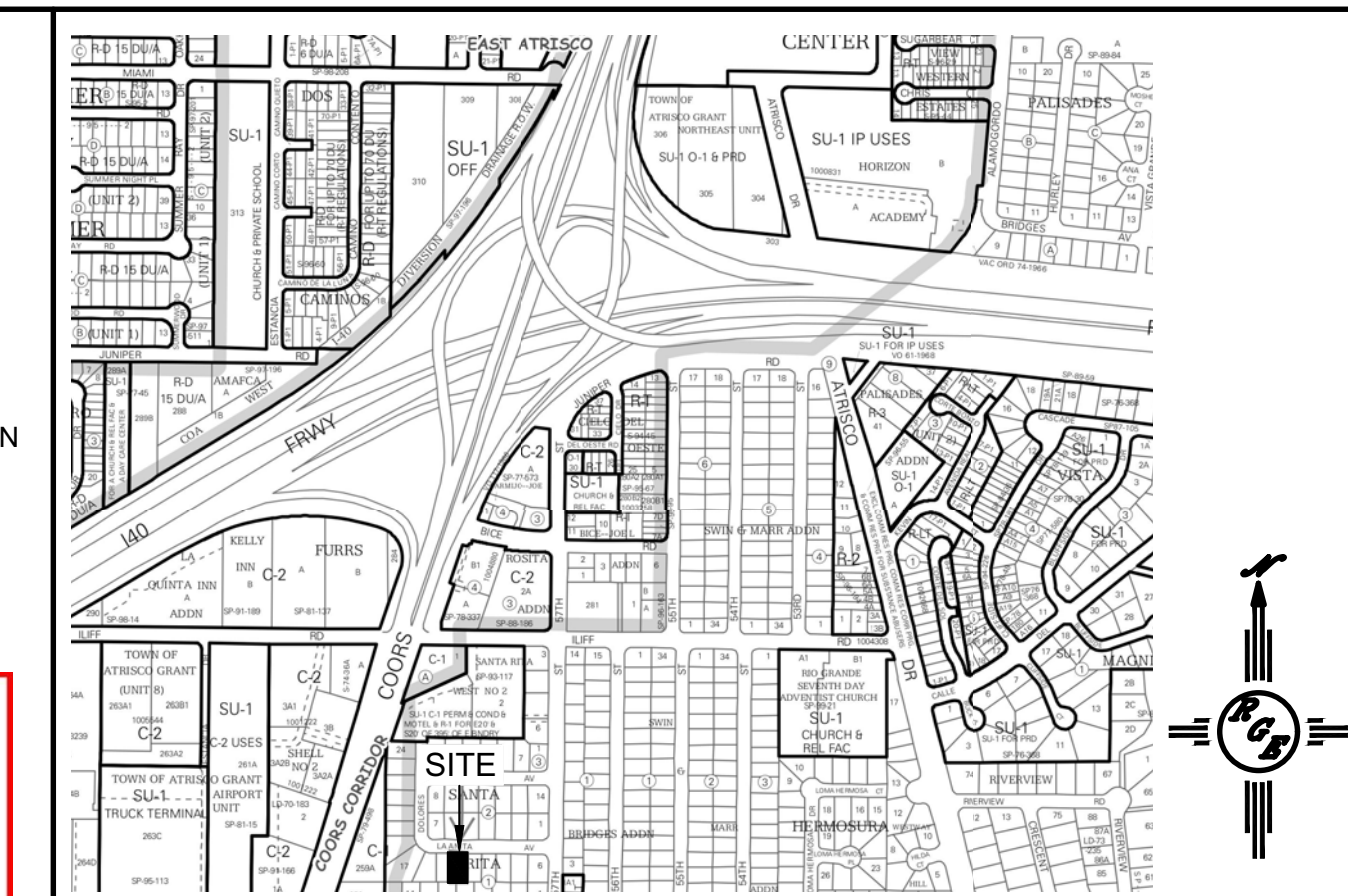
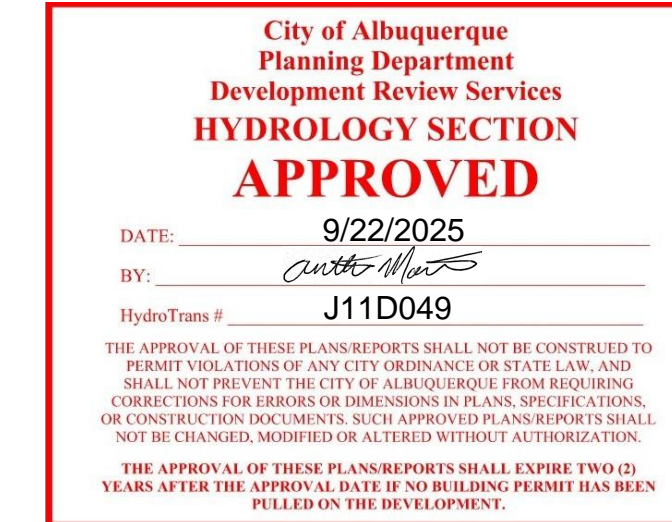
EARTHEN SWALE
NTS

CAUTION:

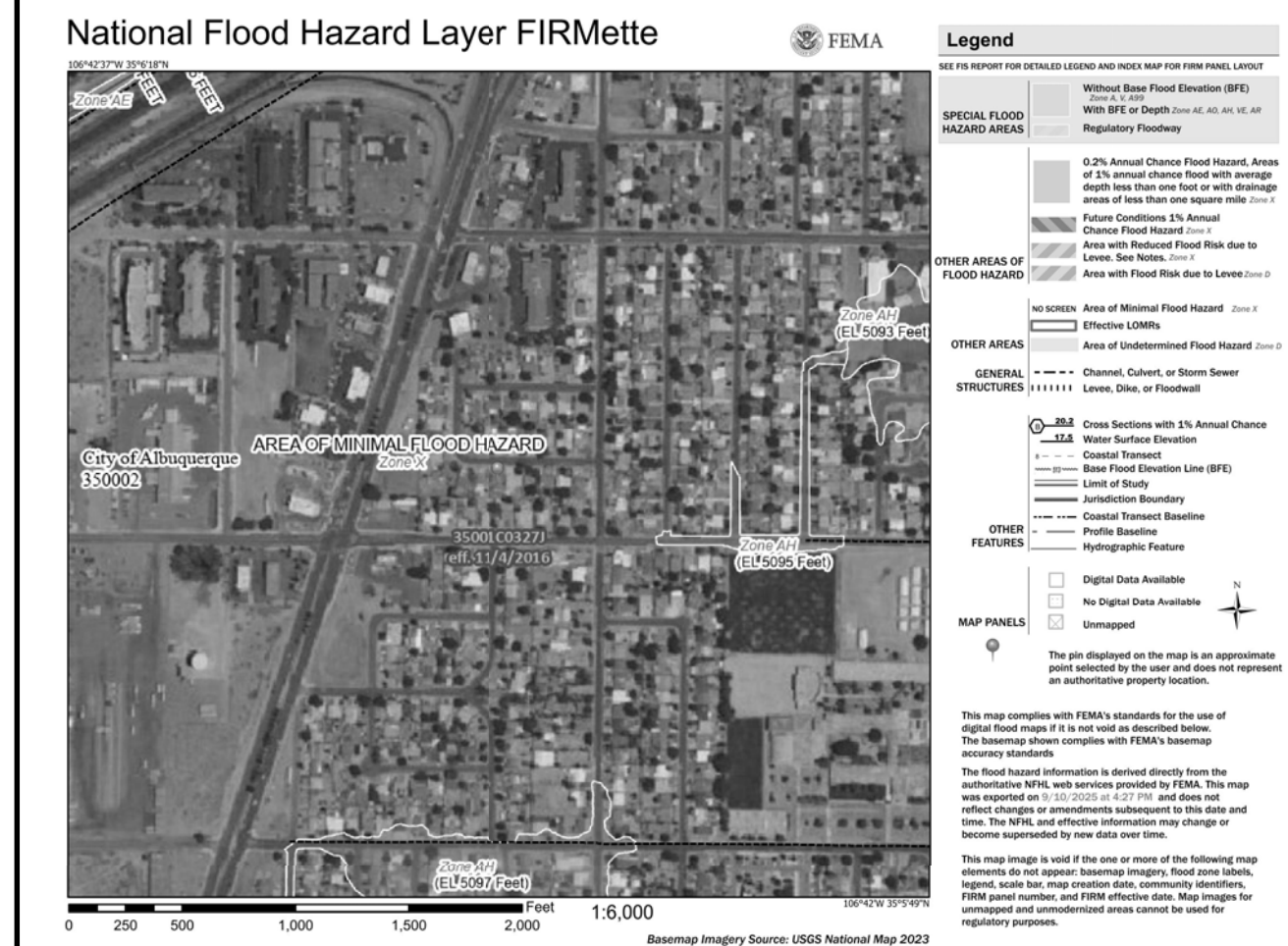
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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: H-11-Z



FIRM MAP:

LEGAL DESCRIPTION:

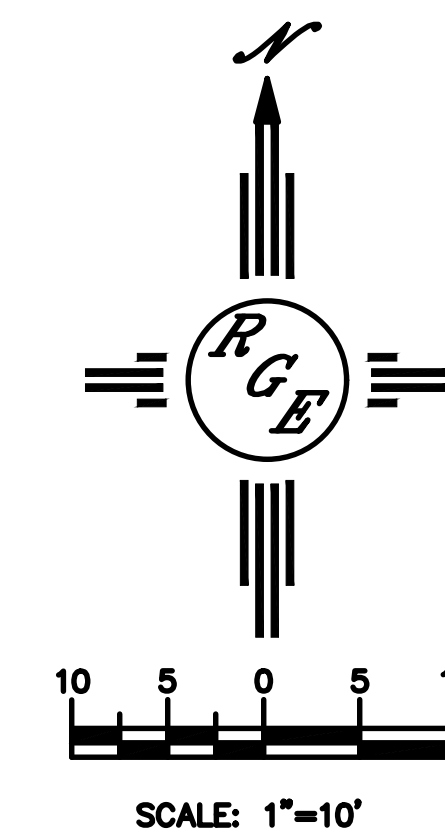
LOT 11, BLOCK 1 SANTA RITA ADDITION NO. 2
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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 DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1988.
- LONG TERM MAINTENANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED

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 RETAINING WALL
[Hatched Pattern]	PROPOSED GRAVEL
[Stippled Pattern]	PROPOSED CONCRETE
[Cobble Pattern]	PROPOSED 2' WIDE COBBLE SWALE



ENGINEER'S SEAL	LOT 11 BLK 1 SANTA RITA ADDITION 2 5720 LA ANITA AVE.NW	DRAWN BY DEM
		DATE 9-11-25
	DAVID SOULE P.E. #14522	GRADING AND DRAINAGE PLAN
		SHEET # C1
	P.O. BOX 83924 ALBUQUERQUE, NM 87199 (505) 321-8099	JOB #