

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

December 11, 2025

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

**RE: 12724 San Jacinto NE  
PERMANENT C.O. – Accepted  
Engineer's Certification Date: 12/1/25  
Engineer's Stamp Date: 4/24/24  
Hydrology File: K22D066  
Case # HYDR-2025-00429**

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 12/3/2025 and the site visit on 12/11/2025, this letter serves as an approval 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 505-924-3314 or [amontoya@cabq.gov](mailto:amontoya@cabq.gov).

NM 87103

Sincerely,

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

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

**Weighted E Method**

Basin	Area (sf)	Area (acres)	100-Year, 6-hr.				100 yr 10-day				
			Treatment A	Treatment B	Treatment C	Treatment D	Weighted E	Volume	Flow	Volume	
EXISTING	20966.00	0.481	0%	0%	0%	0%	0.860	0.034	1.20	0.034	
PROPOSED	20966.00	0.481	0%	0%	0.000	19%	0.091	81%	0.390	2.297	0.092

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 (zone3)  
 Ea = 0.67 Qa = 1.84  
 Eb = 0.86 Qb = 2.49  
 Ec = 1.09 Qc = 3.17  
 Ed = 2.58 Qd = 4.49

Developed Conditions	TOTAL VOLUME	PEAK
HISTORICAL DISCHARGE	1502.56 CF	1.20 CFS
DEVELOPED DISCHARGE	7140.67 CF	2.040 CFS
FIRST FLUSH REQUIREMENT	594 CF	
FIRST FLUSH RETAINED	0 CF	

This site is a development of an undeveloped site. The surrounding sites and city grid identify this area as free discharge. The site will discharge to an existing alley in accordance with historical patterns. The site is not impacted by upland flows. The owner wishes to pay a fee in lieu for the first flus requirement.

**CULVERT**

**Weir Equation:**

$$Q = CLH^{3/2}$$

Q = 2.00  
 C = 2.95  
 H = 0.67 ft  
 L = Length of weir

**SIDEWALK CULVERT**

$Q = 2.95 * 2 * ((0.67)^{3/2}) = 3.23$  CFS,  
 THEREFORE 1 CULVERT HAS THE CAPACITY FOR MORE THAN 2 CFS

**Private Drainage Facilities within City Right-of-Way  
 Notice to Contractor  
 (Special Order 19 ~ "SO-19")**

- Build sidewalk culvert per COA STD DWG 2236. Work is permitted and inspected by DMD Construction Services Division.
- An excavation permit will be required before beginning any work within City Right-Of-Way.
- All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- Prior to any excavation, the contractor must contact **New Mexico One Call, dial "811"** (or (505) 260-1990) for the location of existing utilities.
- Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- Backfill compaction shall be 95%.
- Maintenance of the facility shall be the responsibility of the owner of the property being served.
- Work on arterial streets may be required on a 24-hour basis.
- For excavation and barricading inspections, contact DMD Construction Services Division.

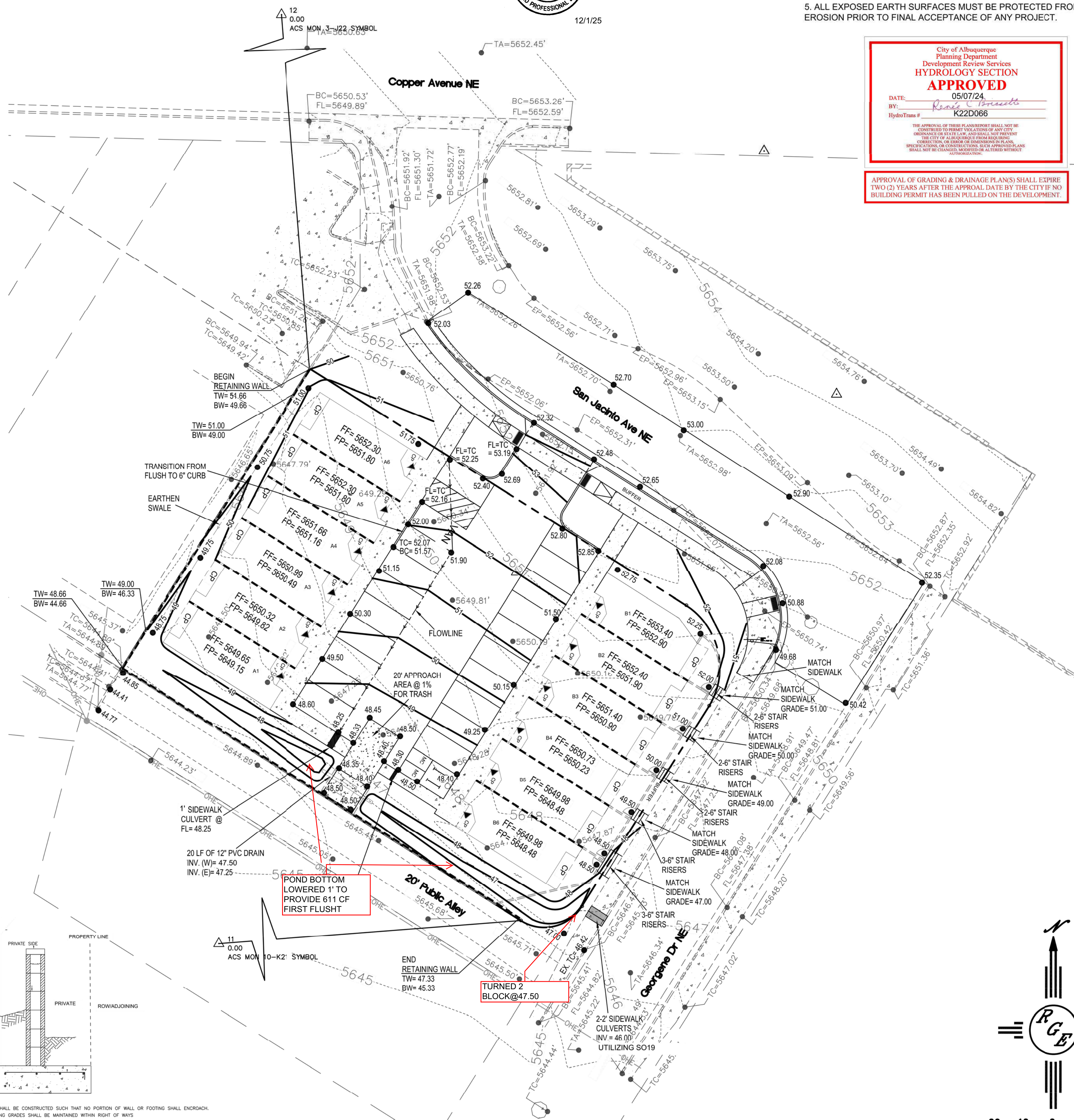
**CAUTION:**  
 EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

WALL SHALL BE CONSTRUCTED SUCH THAT NO PORTION OF WALL OR FOOTING SHALL ENCRUSH. EXISTING GRADES SHALL BE MAINTAINED WITHIN RIGHT OF WAYS

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 intent of the approved plan dated 4/24/24. The certification is submitted in support of a request for **CERTIFICATE OR 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.



12/1/25

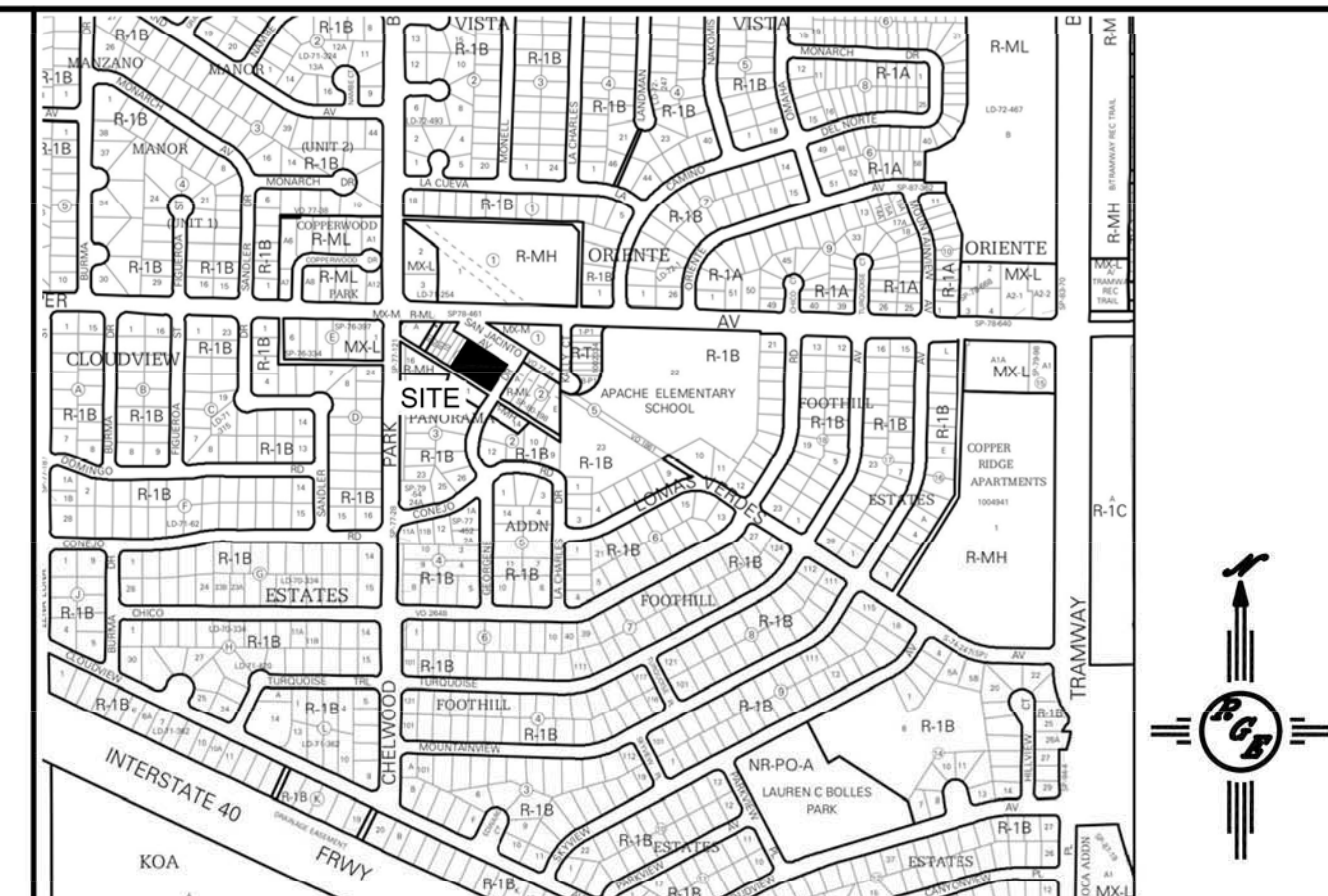


**EROSION CONTROL NOTES:**

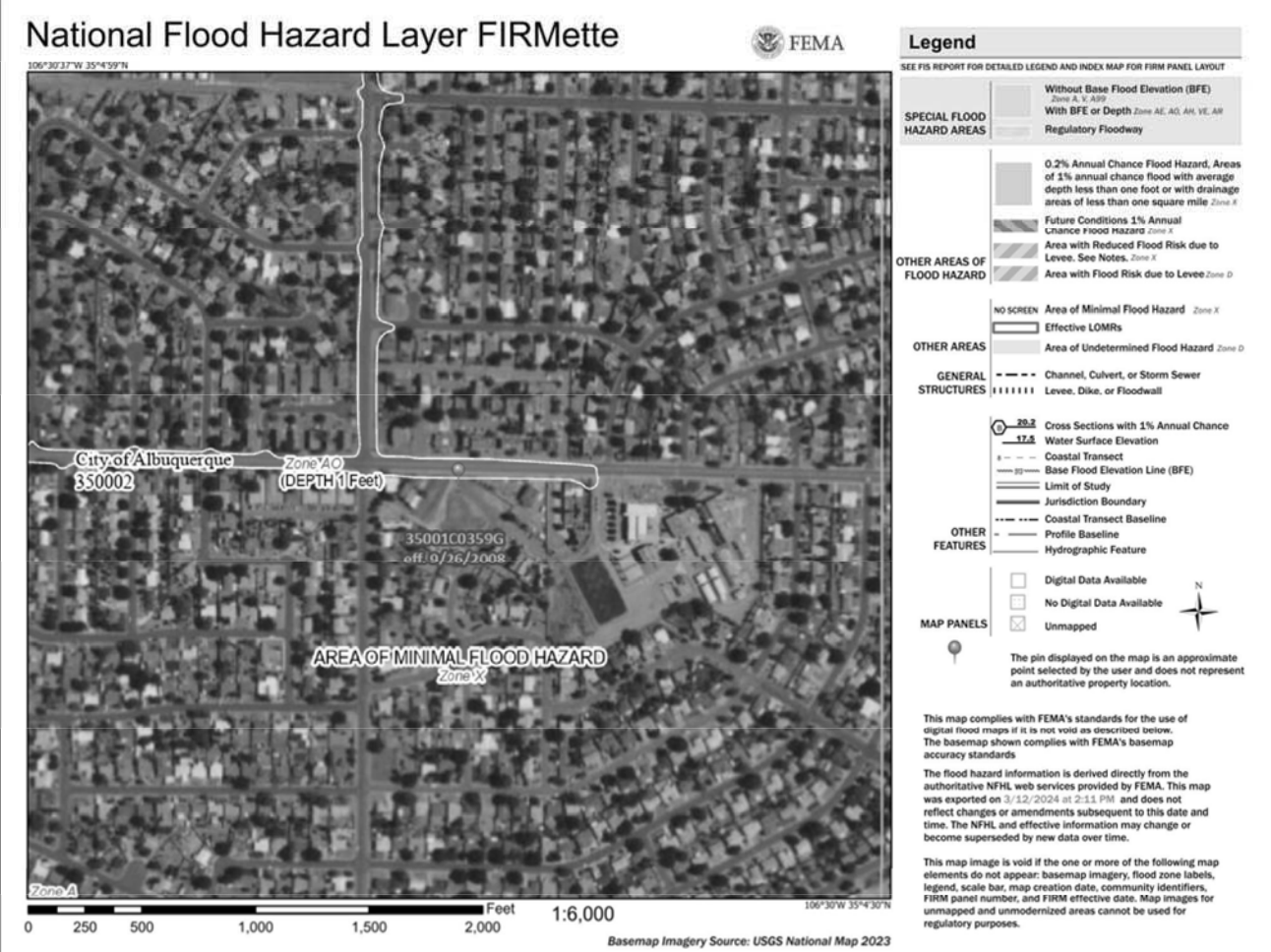
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND 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.



APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.



**VICINITY MAP: K-22-Z**



**FIRM MAP:**

**LEGAL DESCRIPTION:**

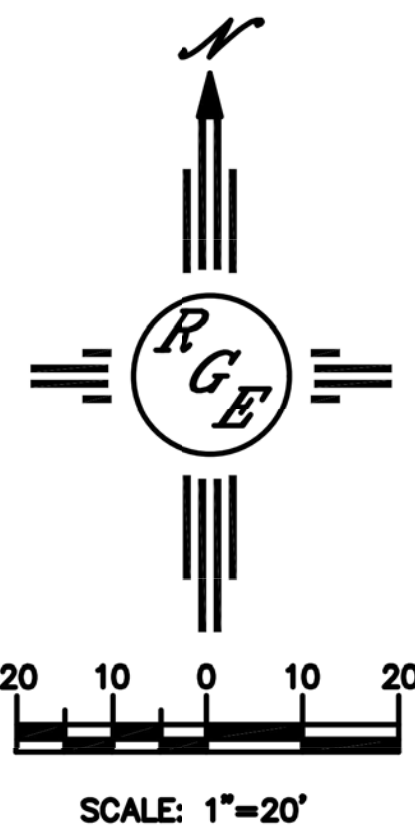
LOTS 1-7, BLOCK 3 PANORAMA ADDITION CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

**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.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

**LEGEND**

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER
- PROPOSED EARTHEN SWALE
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE



ENGINEER'S SEAL 	<b>LOTS 1-7, BLK 3 PANORAMA ADD. 12728 SAN JACINTO AVE. NE</b>	DRAWN BY DEM
DATE 4/24/24	<b>GRADING AND DRAINAGE PLAN</b>	DATE 3-14-24
DAVID SOULE P.E. #14522	 RIO GRANDE ENGINEERING P.O. BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099	12728 San Jacinto Ave NE.dwg
	SHEET # <b>5 of 7</b>	JOB #