

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Interim Director



Mayor Timothy M. Keller

June 3, 2024

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

**RE: 506 Camino Espanol NW
Grading and Drainage Plan
Engineer's Stamp Date: 05/16/24
Hydrology File: E14D002B**

Dear Mr. Soule:

PO Box 1293 Based upon the information provided in your submittal received 05/3/24, the Grading and Drainage Plan is approved for Building Permit.

Albuquerque Once the grading is complete, a pad certification will be required prior to release of 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 and the pad certification approval letter.

NM 87103 Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

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

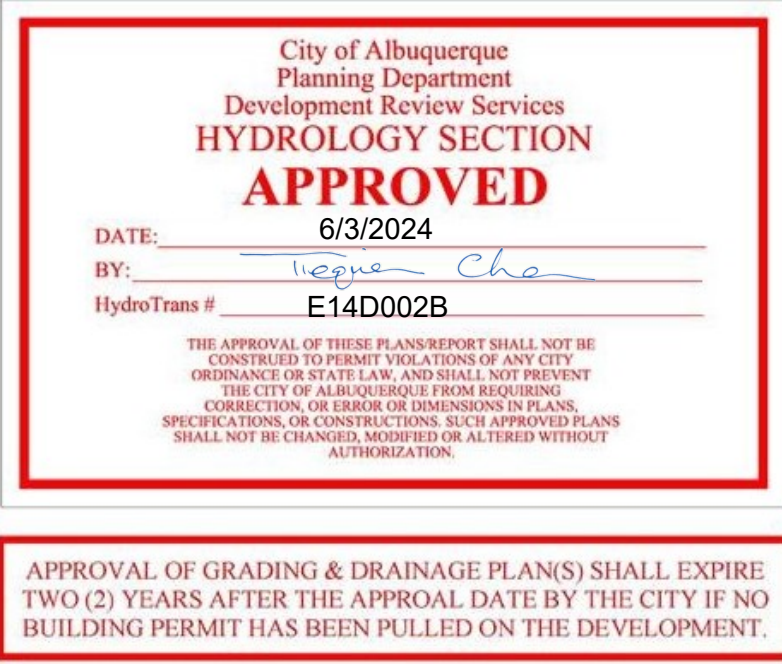
Sincerely,

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

Weighted E Method												
Basin	Area (sf)	Area (acres)	100-Year, 6-hr.				100 yr 24-HOUR		100 yr 10-DAY		Flow cfs	Volume (ac-ft)
			Treatment A (acres)	Treatment B (acres)	Treatment C (acres)	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Weighted E (ac-ft)	Volume (ac-ft)		
Historical	10442.00	0.240	100%	0.2397	0%	0.000	0%	0.000	0%	0.000	0.620	0.012
PROPOSED	10442.00	0.240	0%	0	48%	0.115	24%	0.058	28%	0.067	1.291	0.026

Equations:			
Weighted E = Ea* <i>A</i> a + Eb* <i>A</i> b + Ec* <i>A</i> c + Ed* <i>A</i> d / (Total Area)			
Volume = Weighted D * Total Area		First flush requirement	83 cubic feet
Flow = Qa * <i>A</i> a + Qb * <i>A</i> b + Qc * <i>A</i> c + Qd * <i>A</i> d			
Where for 100-year, 6-hour storm(zone2)			
Ea= 0.62	Qa= 1.71		
Eb= 0.8	Qb= 2.36		
Ec= 1.06	Qc= 3.05		
Ed= 2.33	Qd= 4.34		
Developed Conditions		TOTAL VOLUME	
HISTORICAL DISCHARGE		540 CF	
		24 HOUR	10 DAY
PROPOSED GENERATION	1223 CF	1530 CF	
PROPOSED PONDING	3214 CF	3214 CF	

This site is within a development subdivision. The site is governed by drainage file E14-D002. The plans show the sites are to have rear yard ponds and the fronts drain to the street. We shall conform to the valley flat area drainage scheme. The site will retain the 100-year 10-day volume. The ponds will overflow to the street in the event. The surrounding are is flat, existing walls and proposed berms do on t allow offsite flows enter the site. The pad is proposed to be 1' higher than the maximum water surface elevation.

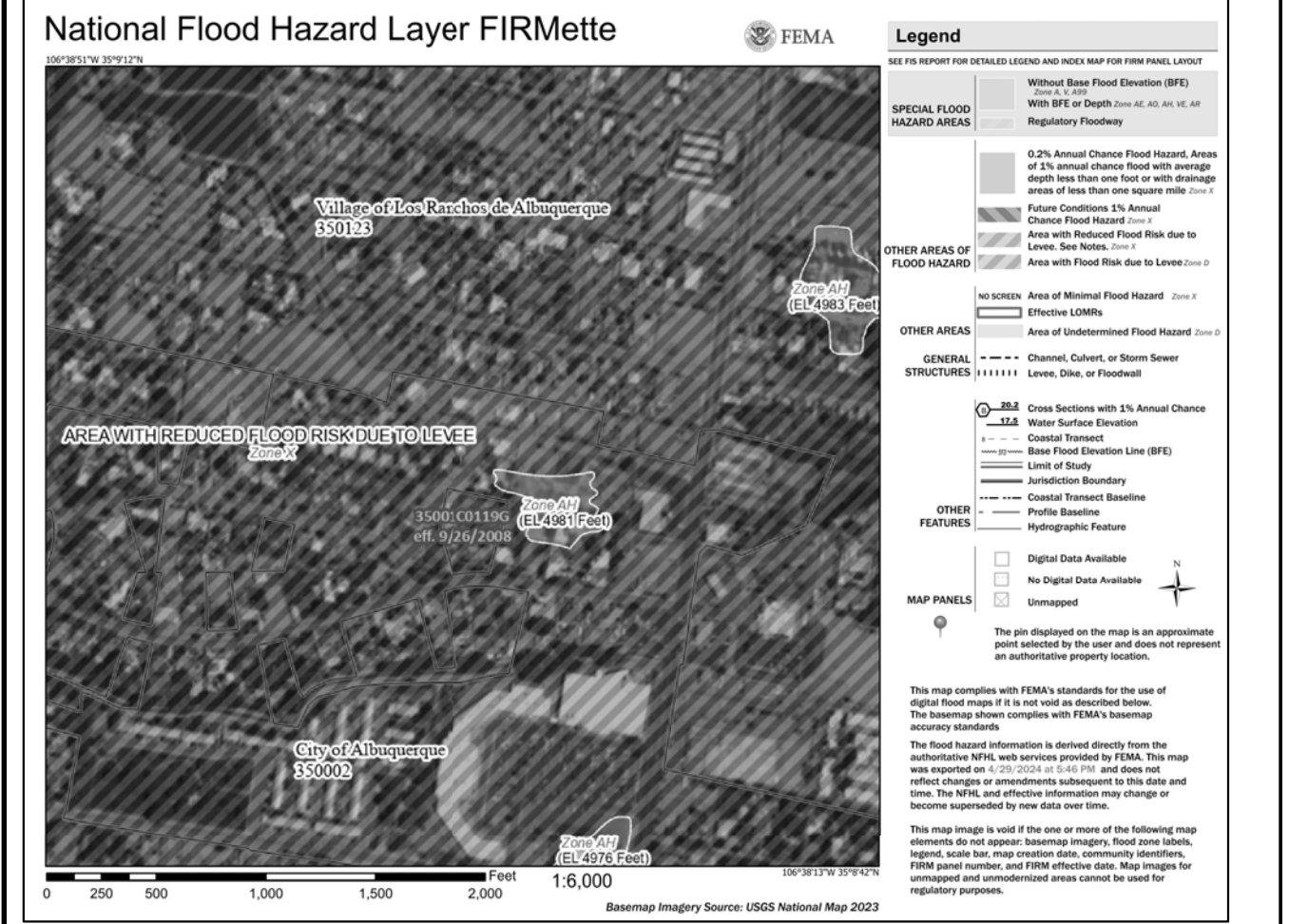


EROSION CONTROL NOTES:

- 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:



FIRM MAP:

LEGAL DESCRIPTION:

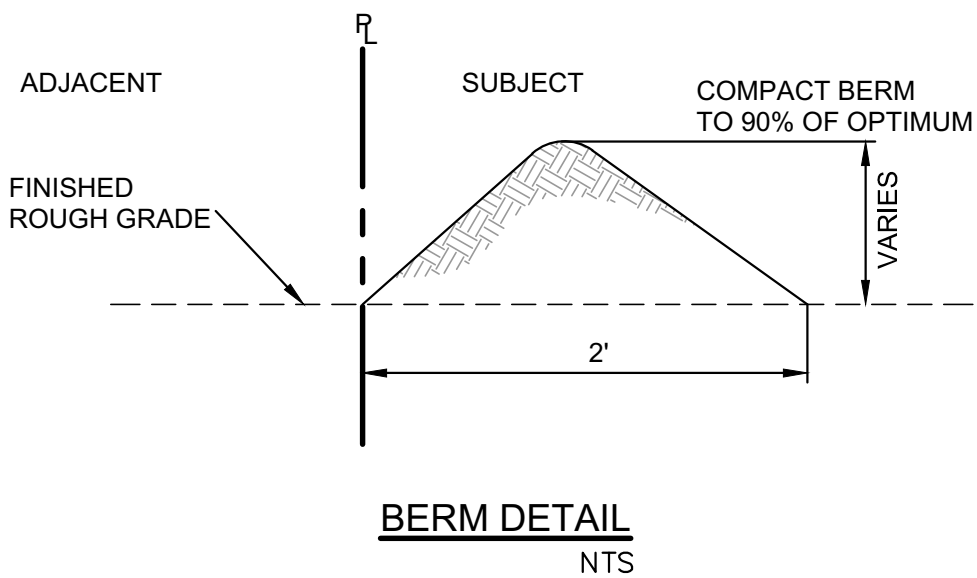
LOT 4, BLOCK B SPANISH WALK
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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.

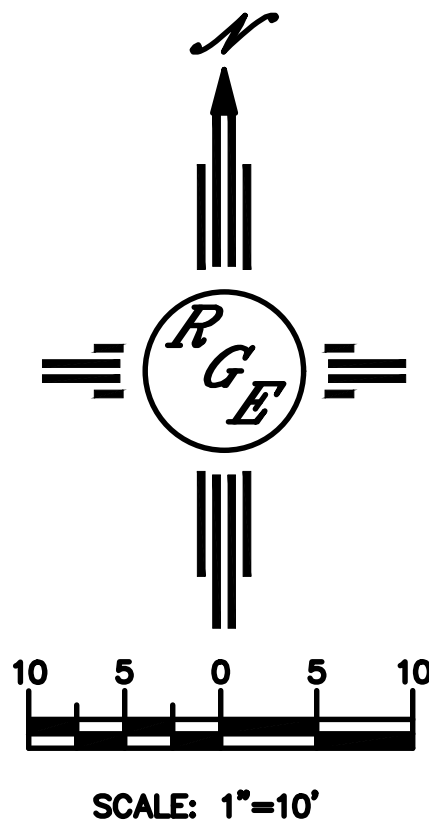
LEGEND

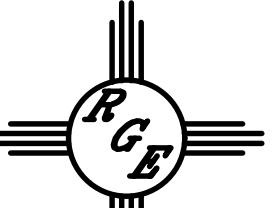
-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
+ XXXX	EXISTING SPOT ELEVATION
● XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
-----	PROPOSED EARTHEN SWALE
-----	PROPOSED EARTHEN BERM
-----	PROPOSED CONCRETE



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.



ENGINEER'S SEAL  5/16/24 DAVID SOULE P.E. #14522	LOT 4, BLK B SPANISH WALK 506 CAMINO ESPANOL NW GRADING AND DRAINAGE PLAN  P.O. BOX 33924 ALBUQUERQUE, NM 87199 (505) 321-9099	DRAWN BY DEM DATE 5-1-24 506 Camino Espanol NW.DWG SHEET # C1 JOB #
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