

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

October 9, 2025

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

**RE: 325 Alcazar St NE**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 10/6/25**  
**Hydrology File: K19D159**  
**Case # HYDR-2025-00359**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 10/06/2025, the Grading and Drainage Plans are approved for Building Permit. **Since this site has retaining walls, a pad certification is not needed for this project.** Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

NM 87103

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](mailto:jhughes@cabq.gov), 505-924-3420) 14 days prior to any earth disturbance.

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

**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.

If you have any questions, please contact me at 505-924-3314 or [amontoya@cabq.gov](mailto:amontoya@cabq.gov).

Sincerely,

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



Weighted E Method  
alcazar

Existing Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr				10-day	
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)		
HISTORIC	7122	0.163	0%	0	20.0%	0.033	51.0%	0.08336	29%	0.047	1.476	0.020	0.56	0.025		
PROPOSED FRONT	6590	0.151	0%	0	16.0%	0.024	44.0%	0.06657	40%	0.061	1.649	0.021	0.54	0.027		
PROPOSED REAR	532	0.012	0%	0	20.0%	0.002	46.0%	0.00562	34%	0.004	1.551	0.002	0.04	0.002		

Equations: 1662

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 3)

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

DISCHARGE PROPOSED 0.54 CFS 1198 CF  
EXISTING DISCHARGE 0.56 CFS 1105 CF  
REAR BASIN NOT TO STREET 0.04 CFS 89 CF  
RETAINED REAR 0.00 CFS 92 CF  
WATER QUALITY (0.26%/D12) 61.03 CFS 393 CF  
INCREASE IN FLOW RETAINED

Narrative

This project is a redevelopment of an existing residential lot. The building shown on recent aerials has been recently demolished. The proposed development is a singelfamily residential project. The existing site discharges 0.56 cfs to the adjacent properties. The proposed development will discharge the main flow to the front and retain a portion of the rear flow while maintaining existing discharge points. The existing neighborhood is allowed to free discharge. The site is not impacted by upland flows due to solid walls, minor cross lot flow if passing through weep holes to pass through the site to the roadway.

City of Albuquerque  
Planning Department  
Development Review Services  
HYDROLOGY SECTION  
APPROVED

DATE: 10/09/2025

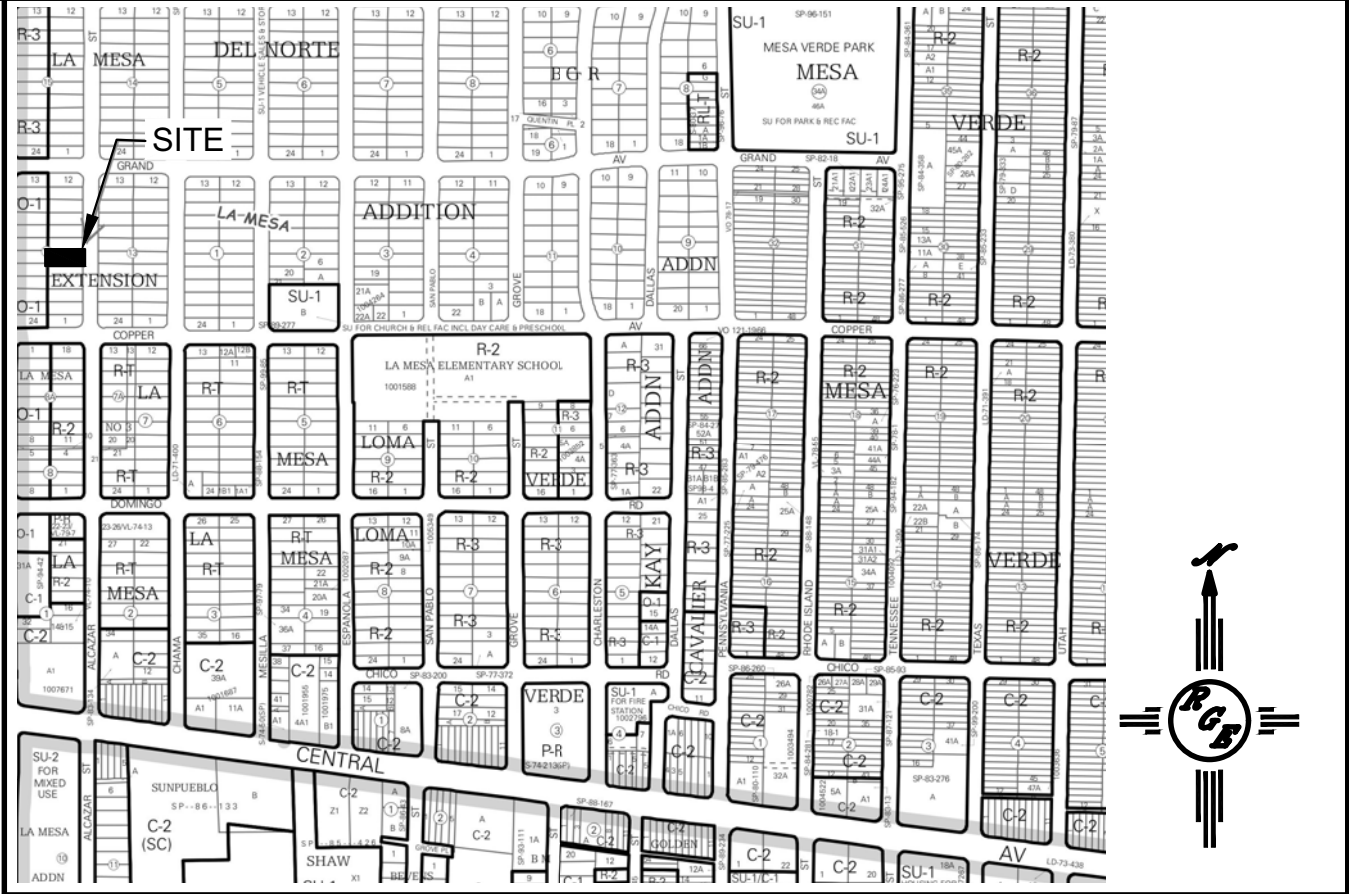
BY: [Signature]

HydroTrans # K19D159

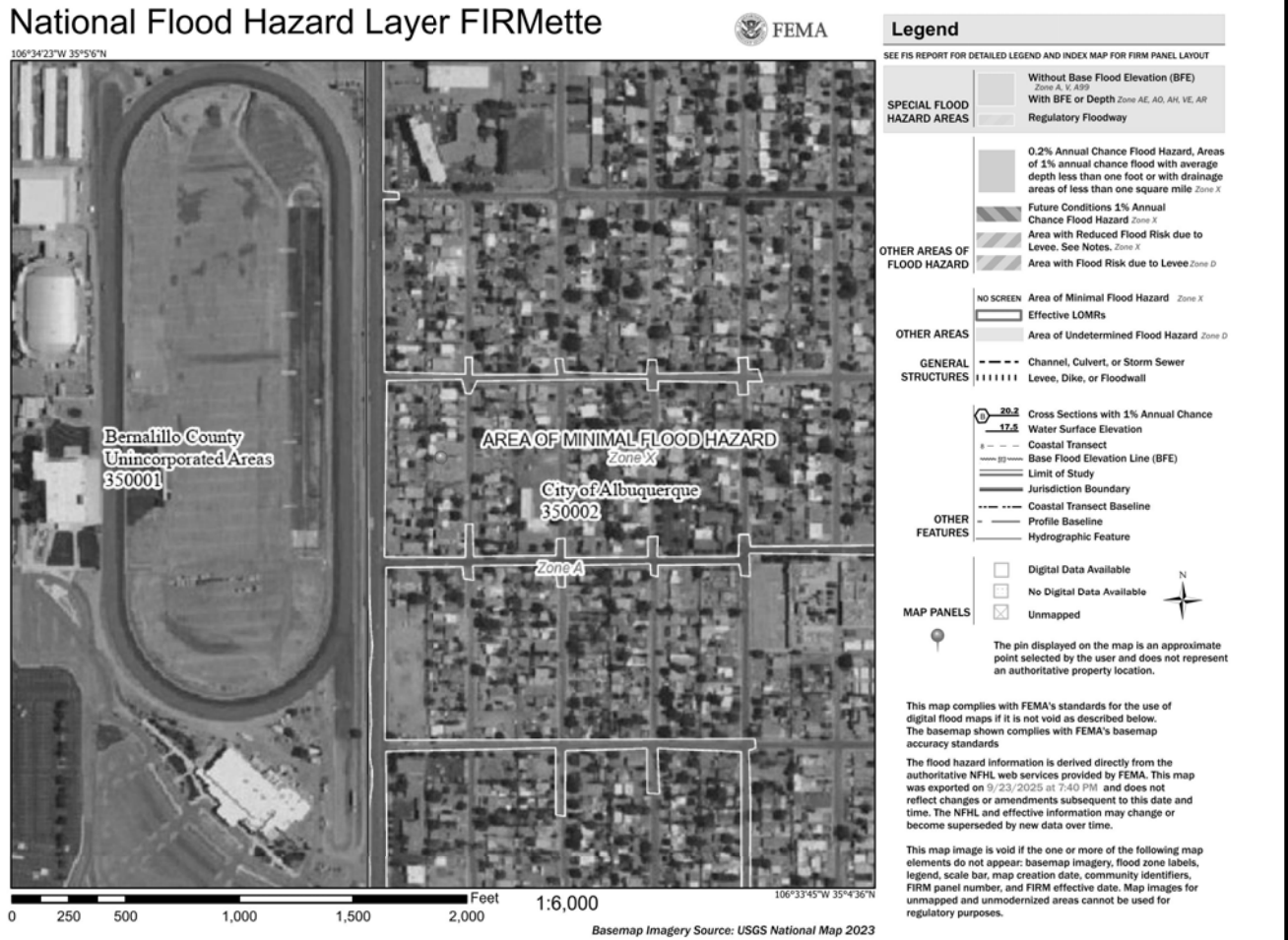
THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTIONS FOR ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS, SUCH APPROVED PLANS/REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION. THE APPROVAL OF THESE PLANS/REPORTS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE IF NO BUILDING PERMIT HAS BEEN FILED ON THE DEVELOPMENT.

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A 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: K-19-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 7 BLOCK 12 LA MESA EXTENSION  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

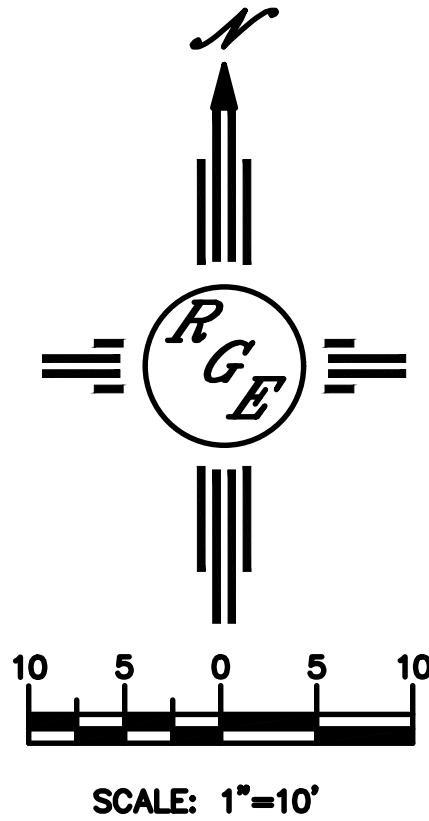
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1988.
- LONG TERM MAINTENANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
- 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 RETAINING WALL
[Pattern]	PROPOSED GRAVEL
[Pattern]	PROPOSED CONCRETE
[Pattern]	PROPOSED PONDING

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  10/6/25 DAVID SOULE P.E. #14522	LOT 7 BLOCK 12 LA MESA EXTENSION 325 ALCAZAR ST NE  GRADING AND DRAINAGE PLAN   P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	DRAWN BY DEM
		DATE 10-5-25
		325 Alcazar St NE.dwg
		SHEET # C1
		JOB #