

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

October 29, 2025

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

**RE: 4916 Cresta Del Sur Ct NE  
Grading and Drainage Plan  
Engineer's Stamp Date: 10/26/25  
Hydrology File: F23D007A  
Case # HYDR-2025-00386**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 10/27/2025, 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

per city of Albuquerque Development Process Manual- chapter 2

Existing Developed Basins										100-Year, 6-hr		10-day	
Basin	Area (sq) (acres)	Area (sq) (acres)	Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted E (%)	Volume cfs	Flow cfs	Volume (ac-ft)			
EXISTING	12600.0	0.277	0%	0.1384	50%	0.138	0%	0.000	0.855	0.020	0.67	0.020	
PROPOSED	12600.0	0.277	0%	0.0000	26.0%	0.072	36.0%	0.07198	48%	1.133	2.162	1.050	1.08
ALLOWED	12600.0	0.277	0%	0.0000	24.0%	0.066	23.0%	(a/c)-36	43%	1.119	2.060	0.948	1.06

$$\text{Weighted E} = \frac{E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d}{\text{Total Area}}$$
$$\text{Volume} = \text{Weighted D} \cdot \text{Total Area}$$

$$\text{Flow} = Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$$

Where for 100-year, 6-hour storm (ZONE 4)

WATER QUALITY	181.503
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181.503

### ALLOWED DISCHARGE

## PROPOSED DISCHARGE

DRAINAGE NARRATIVE  
 THIS SITE IS GOVERNED BY THE TRAIL HEAD SUBDIVISION(F23-D7) THE DOWN STREAM IMPROVEMENTS ARE IN PLACE. THE PROPOSED PROJECT WILL BE A SINGLE FAMILY RESIDENTIAL HOME. PER THE APPROVED MASTER PLAN, THE SITE MUST MATCH THE PROPOSED 100-YEAR, 6-HOUR PEAK DISCHARGE RATE ASSIGNED IN THE MASTER PLAN. THE APPROVED BASIN MAP WAS NOT IN DRAINAGE FILE, THEREFORE WE TOOK THE AVERAGE OF BASIN 2.3.5 TO DETERMINE FLOW FOR LOTS THE WATER QUALITY VOLUME IS RETAINED ON SITE

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PERMIT PRIOR TO BEGINNING WORK.

2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

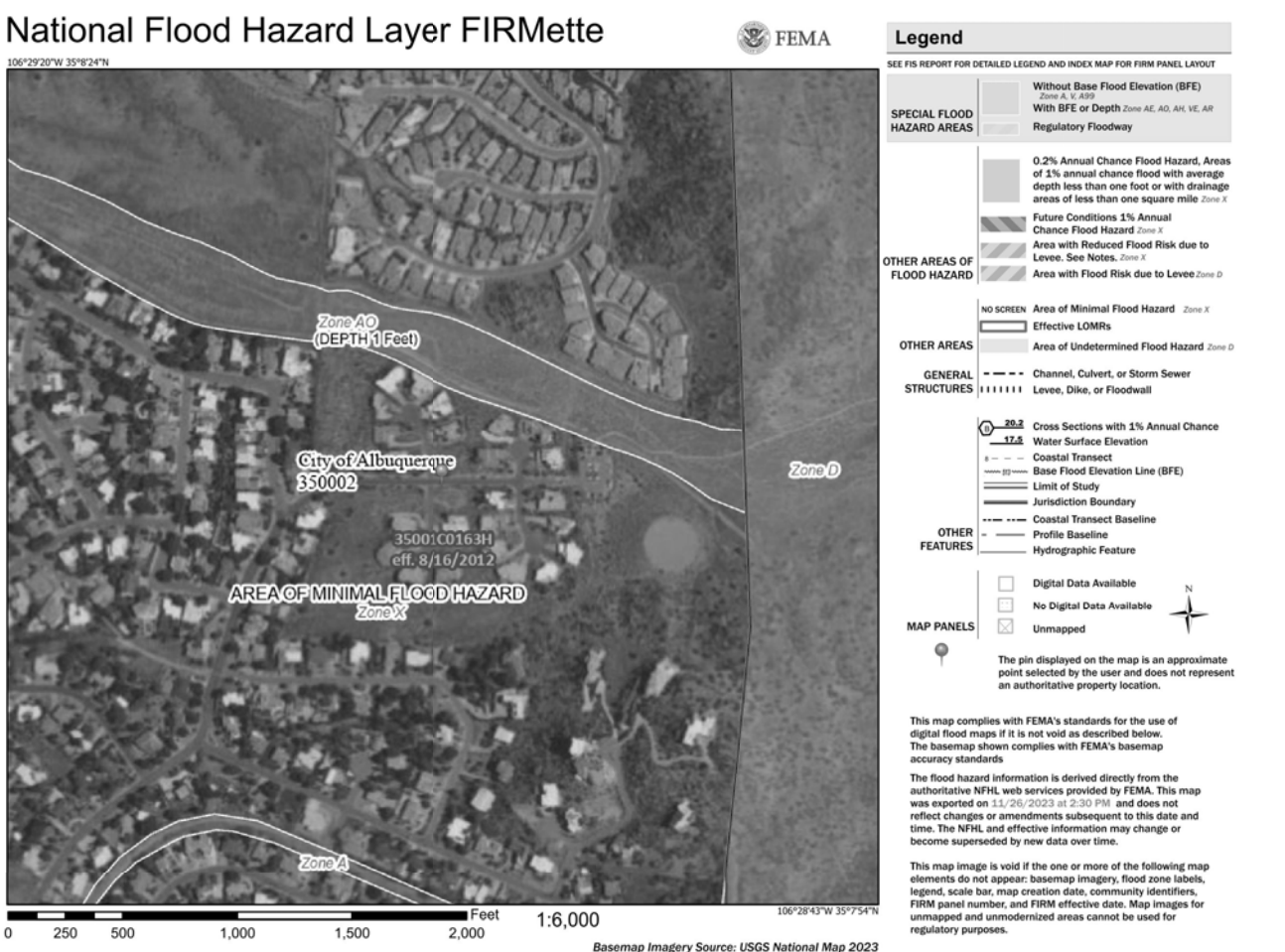
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



## VICINITY MAP: F-23-Z



**FIRM MAP:**

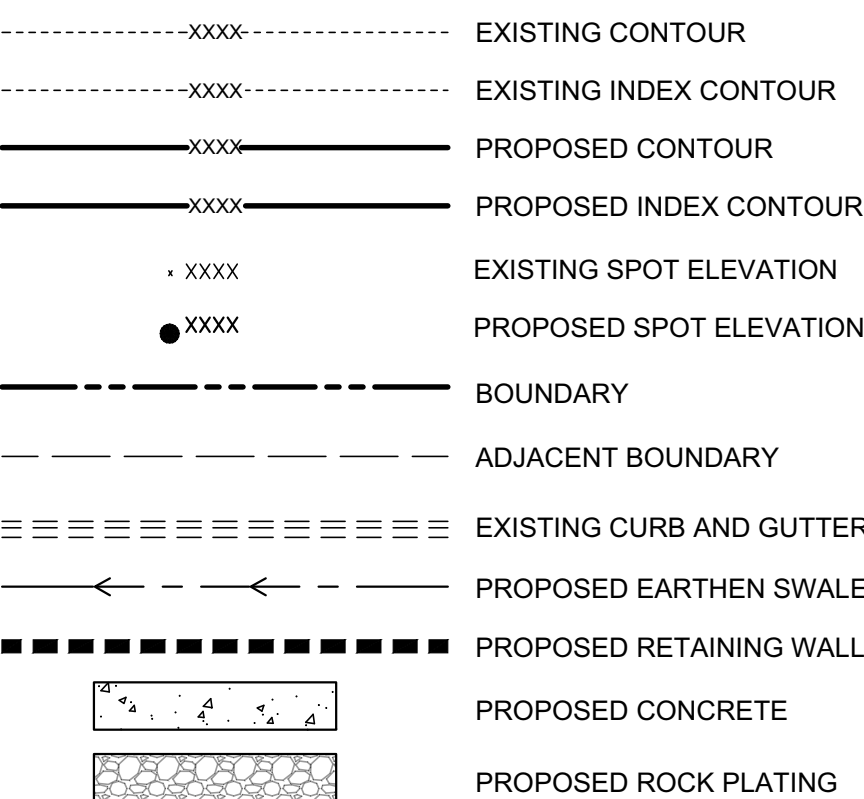
**LEGAL DESCRIPTION:**

LOT 8 TRAILHEAD SUBDIVISION  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

**NOTES:**

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAV DATUM 1988.
5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

## LEGEND



**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.

