

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

July 11, 2025

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

RE: 8609 Mesa Rain NW
Engineer's Certification Date: 7/7/25
Engineer's Stamp Date: 3/3/25
Hydrology File: H09D017A3
Case # HYDR-2025-00241

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 7/7/2025, and site visit on 7/10/2025, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 8609 Mesa Rain NW. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

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

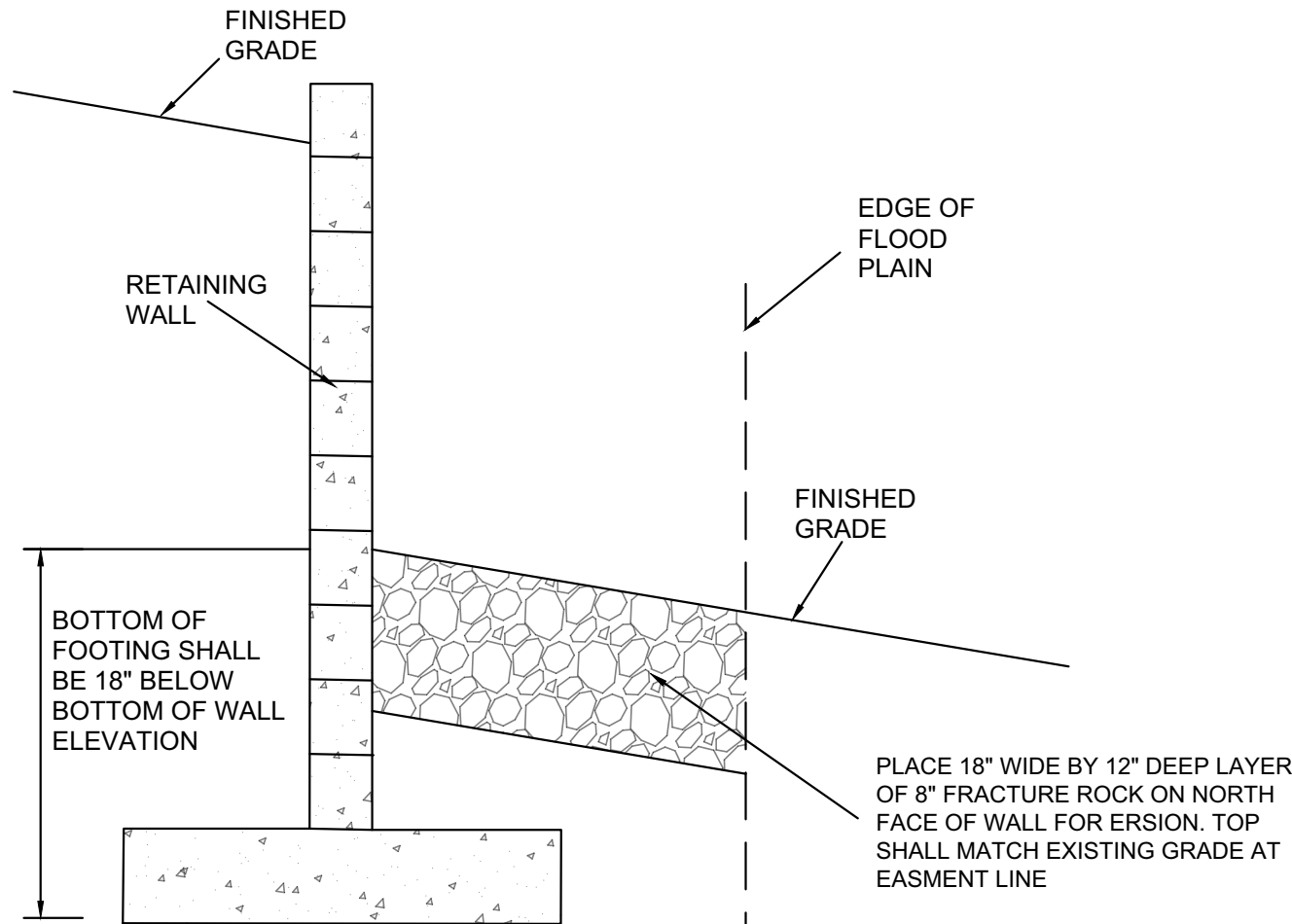
www.cabq.gov

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

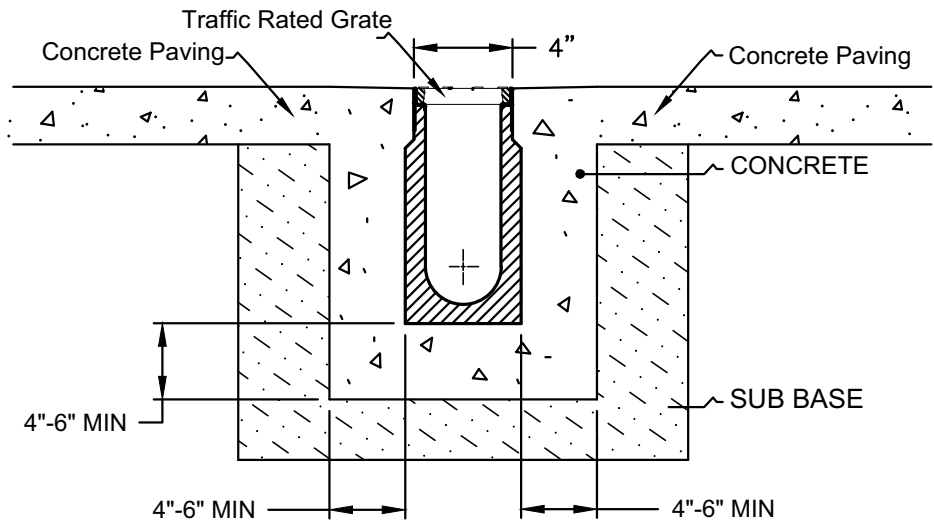
Sincerely,

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

Weighted E Method										
Basin	Area (sf)	Area (acres)	Treatment A % (sf/acre)	Treatment B % (sf/acre)	Treatment C % (sf/acre)	Treatment D % (sf/acre)	Weighted E (sf-ft)	Volume (sf-ft)	Flow (cfs)	
HISTORICAL	20254.00	0.465	85%	0.3952	15%	0.070	0%	0.000	0%	0.577
PROPOSED	20254.00	0.465	26%	0.1209	20%	0.093	24%	0.112	30%	0.139
ALLOWED										
Equations:										1.45 19.7 cfs / 6.31 acres
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										
WATER QUALITY 212.667 CF										
Where for 100-year, 6-hour storm(zone1)										
Ea= 0.55 Qa= 1.54										
Eb= 0.73 Qb= 2.16										
Ec= 0.95 Qc= 2.87										
Ed= 2.24 Qd= 4.12										
Developed Conditions										
Peak rate VOLUME										
HISTORICAL DISCHARGE 0.76 cfs 973.88 cf										
DEVELOPED DISCHARGE 1.28 cfs 2006.8 cf										
ALLOWED DISCHARGE 1.45 cfs										
PROVIDED										
This site is an development of an existing lot. The lot is located within the Watershed development. The master drainage plan (H9-D017A) is contradictory. I calls for this site to retain the increased flow based upon the development utilizing the 100-year, 6-hour event on the grading plan. The site is also identified as being a portion of basin H-1. This basin is allowed 3.12 cfs per acre. The site is impacted by flood zone AO-1. The site is also impacted by a flood plain easement that was dedicated with the master subdivision, based upon the EGL. This site will generate less than allowed in the master drainage plan proposed basin map. to the historical outfall.										

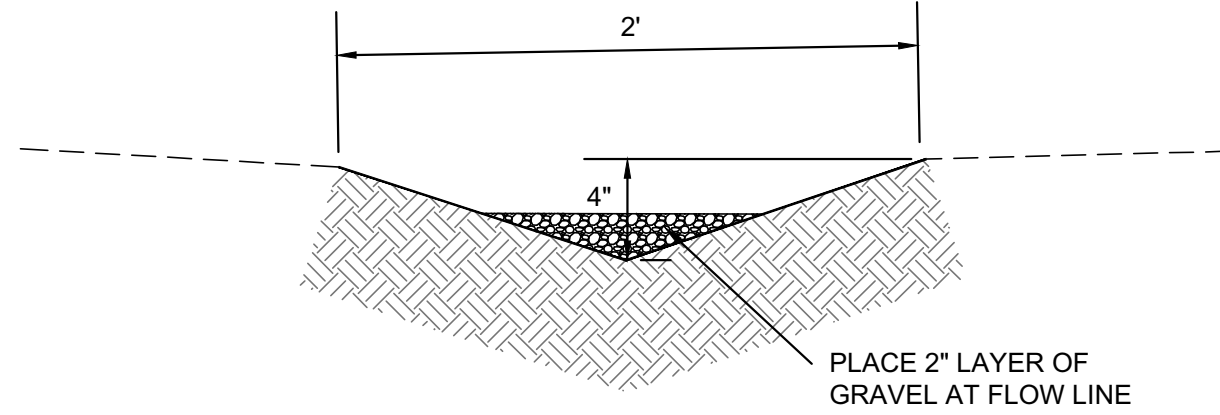


SECTION A-A
NTS



TRENCH DRAIN DETAIL
NTS

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.

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED



7/7/25

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.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

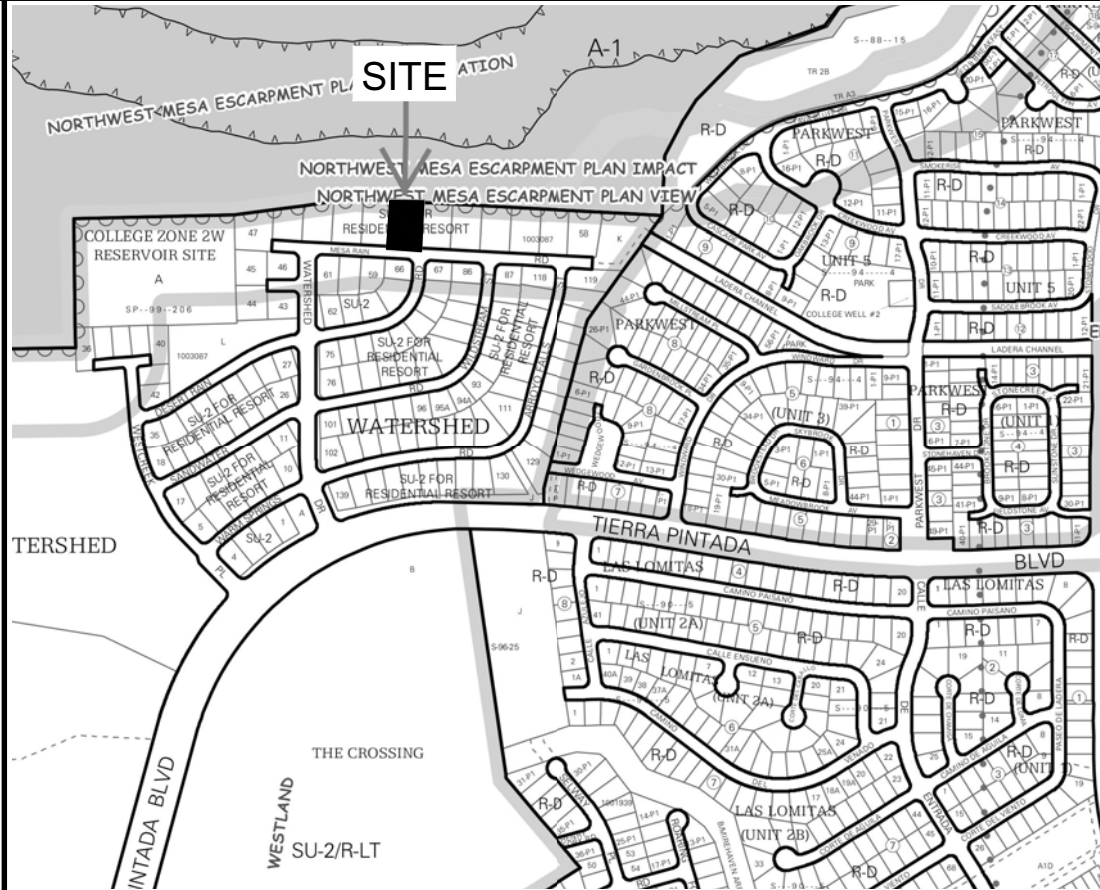
DATE: 7/11/2025

BY: *David Soule*

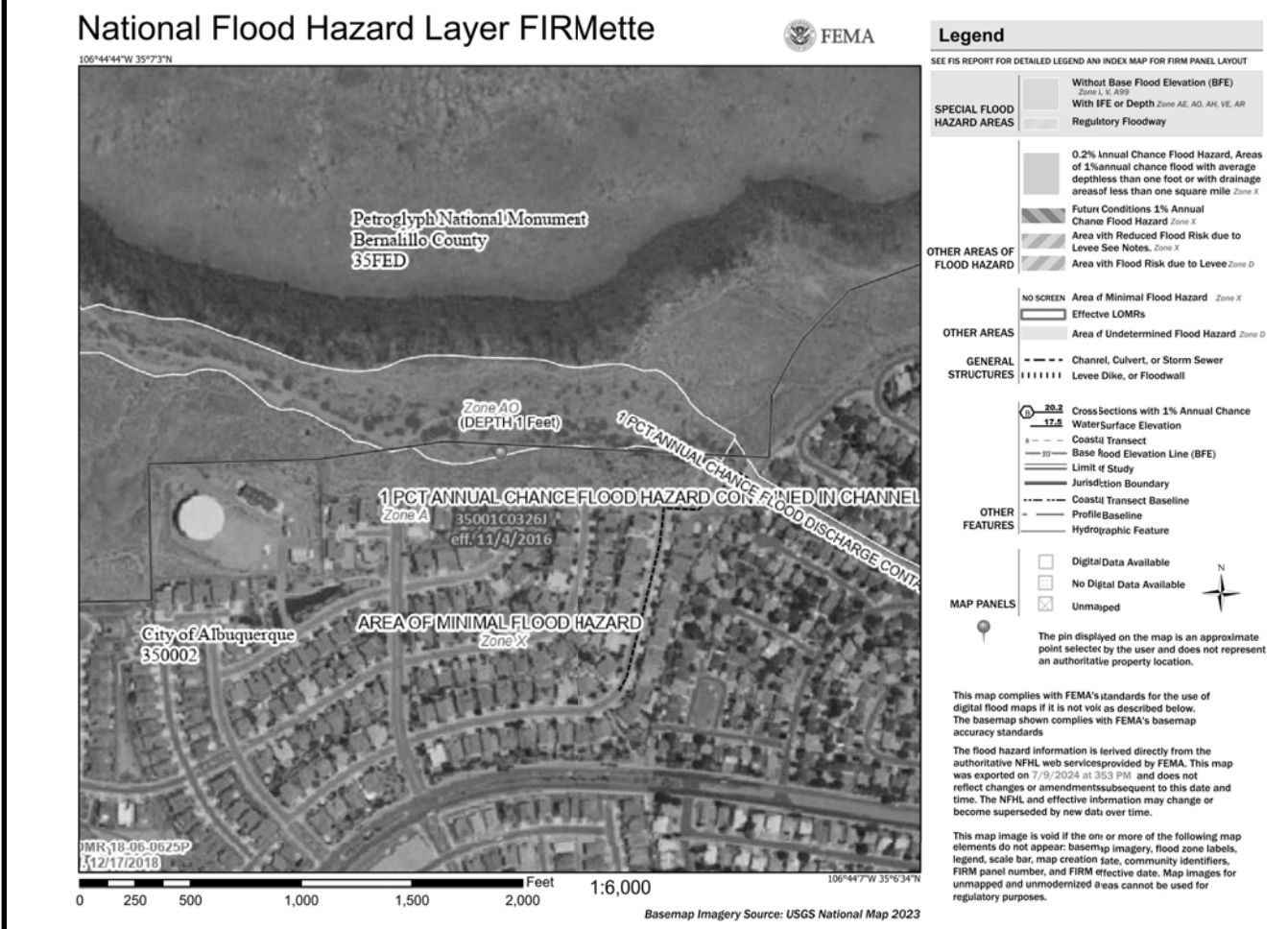
HydroTrans # H09D017A3

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 DIMENSIONS 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.



VICINITY MAP:



FIRM MAP:

LEGAL DESCRIPTION:

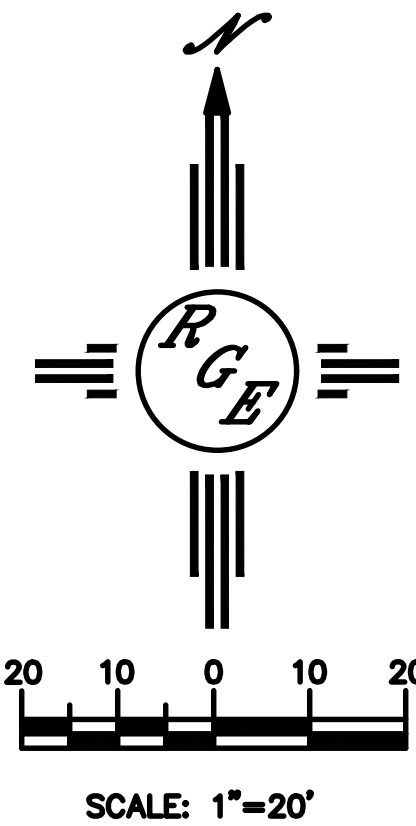
LOT 52 WATERSHED SUBDIVISION
BERNALILLO COUNTY, NEW MEXICO


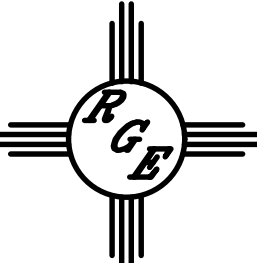
NOTES:

- 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 MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.
- MAIN HOUSE LOWERED AT REQUEST OF OWNER TO COMPLY WITH BUILDING HEIGHT RESTRICTION

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 RETAINING WALL
-----	PROPOSED CONCRETE
-----	PROPOSED ROCK PLATING



ENGINEER'S SEAL  3/3/25 1/29/25 DAVID SOULE P.E. #14522	LOT 52 WATERSHED SUB. 8609 MESA RAIN ROAD GRADING AND DRAINAGE PLAN  P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	DRAWN BY DEM DATE 1-29-25 8609 Mesa Rain Lowered .dwg SHEET # C1 JOB #