

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

August 13, 2025

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

**RE: 3401 Herrera Rd NW  
Grading & Drainage Plan  
Engineer's Stamp Date: 8/11/25  
Hydrology File: J12D036  
Case # HYDR-2025-00289**

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/11/2025, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. Please note that a Pad Certification is not required for this site.

PO Box 1293

Albuquerque

NM 87103

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.

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.

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., CFM  
Senior Engineer, Hydrology  
Planning Department, Development Review Services

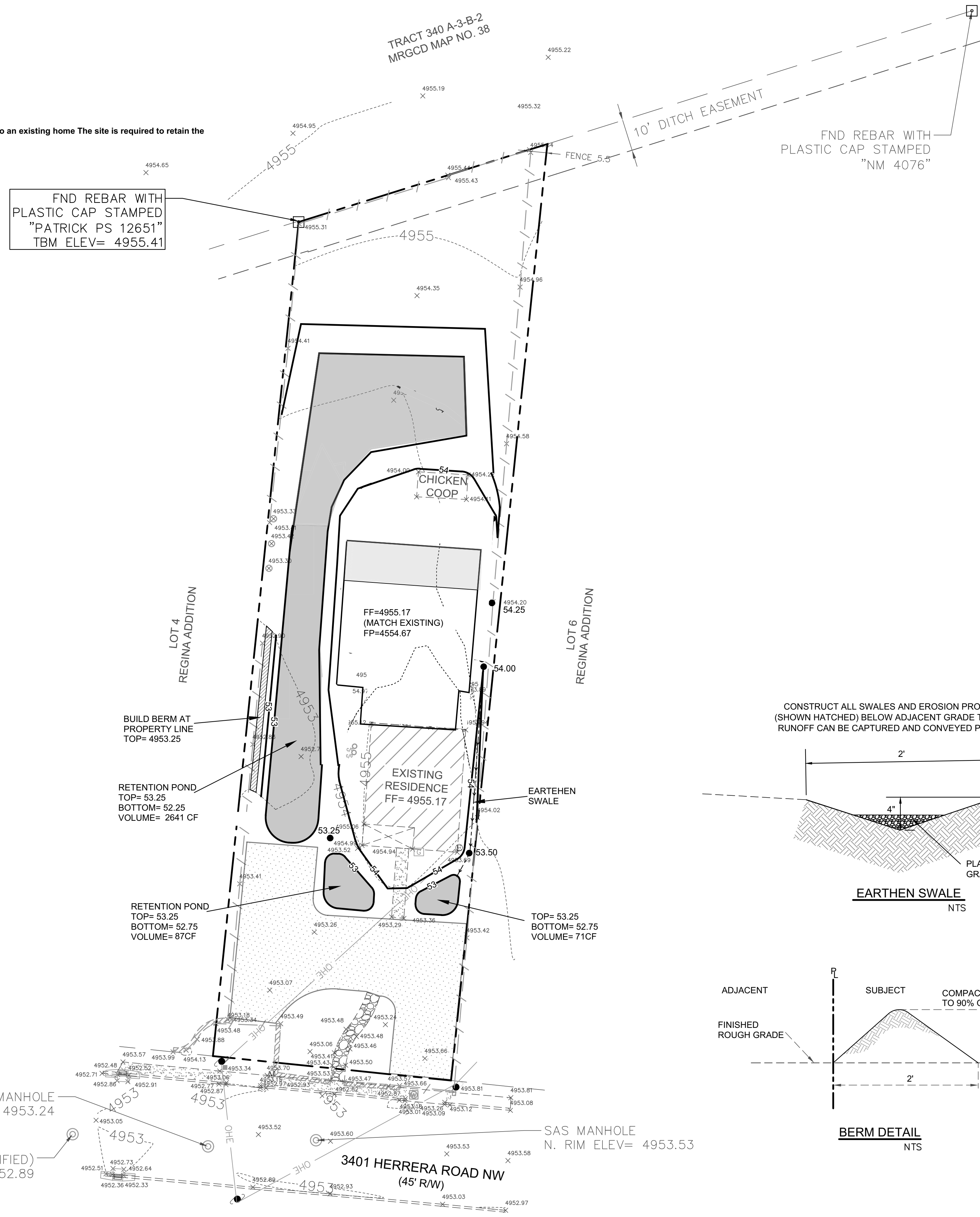
Weighted E Method

Basin	Area (sq)	Area (acres)	100-Year, 6-hr.				100-yr 10-Day						
			Treatment A %	Treatment B %	Treatment C %	Treatment D %	Weighted E (cfs-ft)	Flow cfs	Volume (ac-ft)	Volume (ac-ft)			
EXISTING	22087.00	0.507	0%	70%	0.355	22%	0.112	8%	0.041	0.980	0.041	1.35	0.048
PROPOSED	22087.00	0.507	0%	54%	0.274	27%	0.137	19%	0.096	1.161	0.049	1.48	0.064

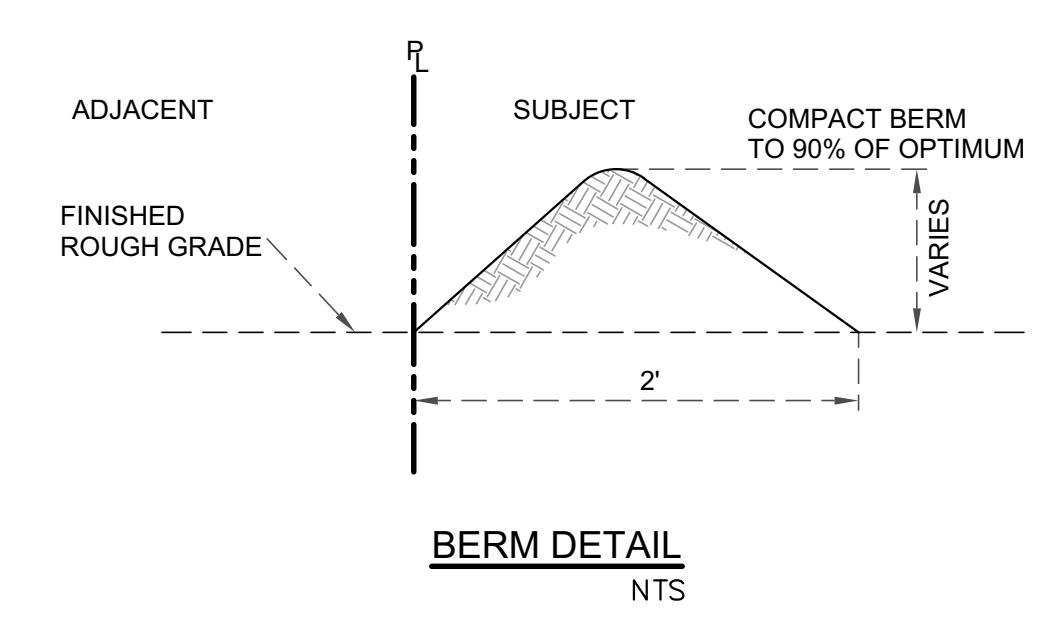
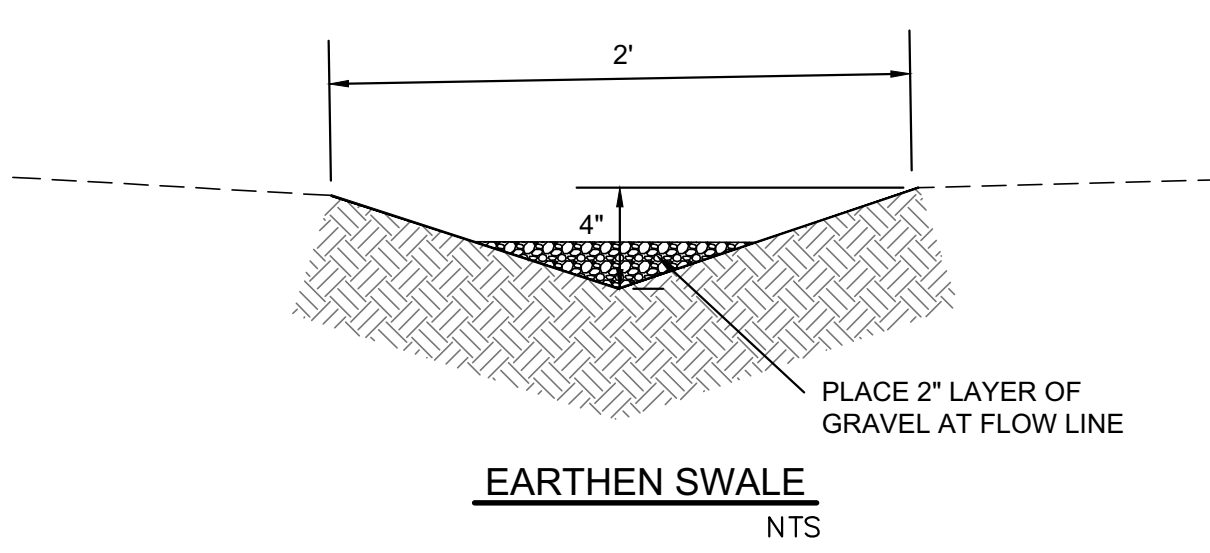
Equations:  
 Weighted E = Ea\*As + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area)  
 Volume = Weighted D \* Total Area  
 Flow = Qa \* Aa + Qb \* Ab + Qc \* Ac + Qd \* Ad  
 Where for 100-year, 6-hour storm(zone2)  
 Ea= 0.62      Qa= 1.71  
 Eb= 0.8        Qb= 2.36  
 Ec= 1.06      Qc= 3.05  
 Ed= 2.33      Qd= 4.34

Developed Conditions	TOTAL VOLUME
EXISTING STORMWATER GENERATION	2073.97
PROPOSED STORMWATER GENERATION	2780.20
REQUIRED WATER QUALITY STORAGE	147
PROVIDED STORMWATER STORAGE	2799

This site is an lot in an existing subdivision. The site is an addition to an existing home The site is required to retain the 100-year 10 day volume. The finished floor must match existing

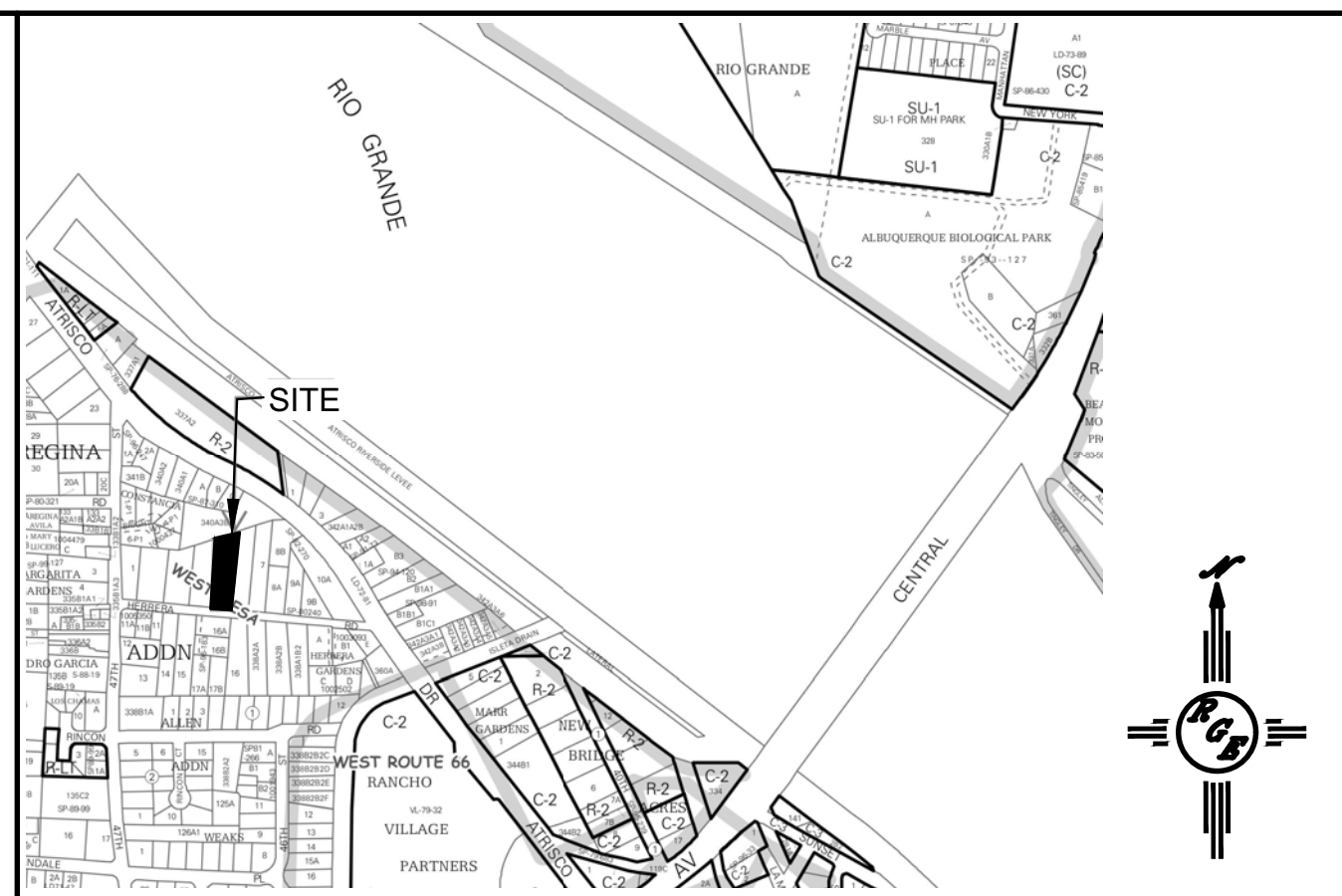


CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



**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:**

National Flood Hazard Layer FIRMette

APPROVED

DATE: 8-13-2025  
 BY: [Signature]  
 HydroTrans # J12D036

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSIDERED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUESTING 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.

**FIRM MAP:**

**LEGAL DESCRIPTION:**

LOT 5 REGINA ADDITION  
 BERNALILLO COUNTY, NM

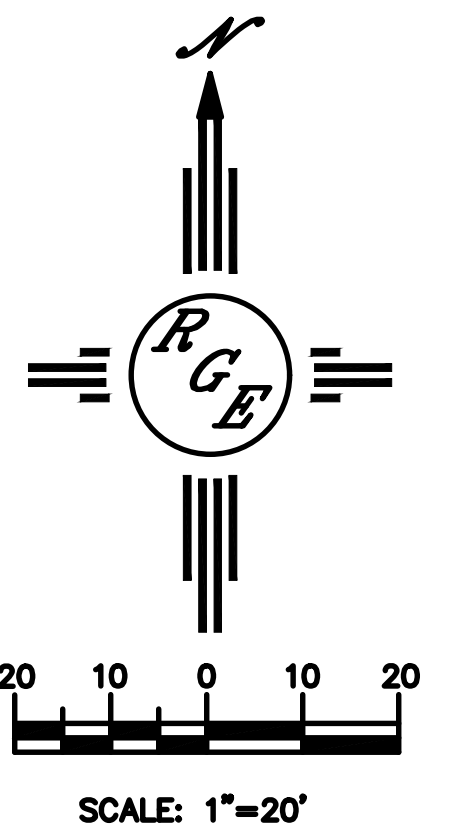
**NOTES:**

- 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.
- LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED

**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 GRAVEL
-----	PROPOSED CONCRETE
-----	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	<b>LOT 5 REGINA ADDITION</b> <b>3401 HERRERA RD NW</b> <b>GRADING AND DRAINAGE PLAN</b>	DRAWN BY DEM
		DATE 8-9-25
8/11/25	 RIO GRANDE ENGINEERING P.O. BOX 53304 ALBUQUERQUE, NM 87199 (505) 321-8099	SHEET # C1
DAVID SOULE P.E. #14522		JOB #