

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

July 2, 2025

David Soule, P.E.  
Rio Grande Engineering  
PO BOX 93924  
Albuquerque, NM 87199

**RE: 3526 Girard Blvd. NE**  
**Grading & Drainage Plan**  
**Engineer's Stamp Date: 6/19/25**  
**Hydrology File: G16D160**  
**Case # HYDR-2025-00221**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 6/19/2025, the Grading plan is **approved** for Grading Permit and 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.

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.
2. Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for **\$25.00** made out to "**Bernalillo County**" for the detention ponds per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol.

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

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-ft)	Area (acres)	Treatment				100-Year, 6-hr		10-DAY	
			Treatment A %	Treatment B %	Treatment C %	Treatment D %	Weighted E (ac-ft)	Flow cfs	Volume (ac-ft)	Flow cfs
HISTORICAL	27241.00	0.625	100%	0.6254	0%	0.000	0%	0.000	0%	0.000
PROPOSED	27241.00	0.625	0%	0	5%	0.031	84%	0.525	11%	0.069
Equations:										

Weighted E = Ea\**A*a + Eb\**A*b + Ec\**A*c + Ed\**A*d / (Total Area)

Volume = Weighted D \* Total Area

Flow = Qa \* *A*a + Qb \* *A*b + Qc \* *A*c + Qd \* *A*d

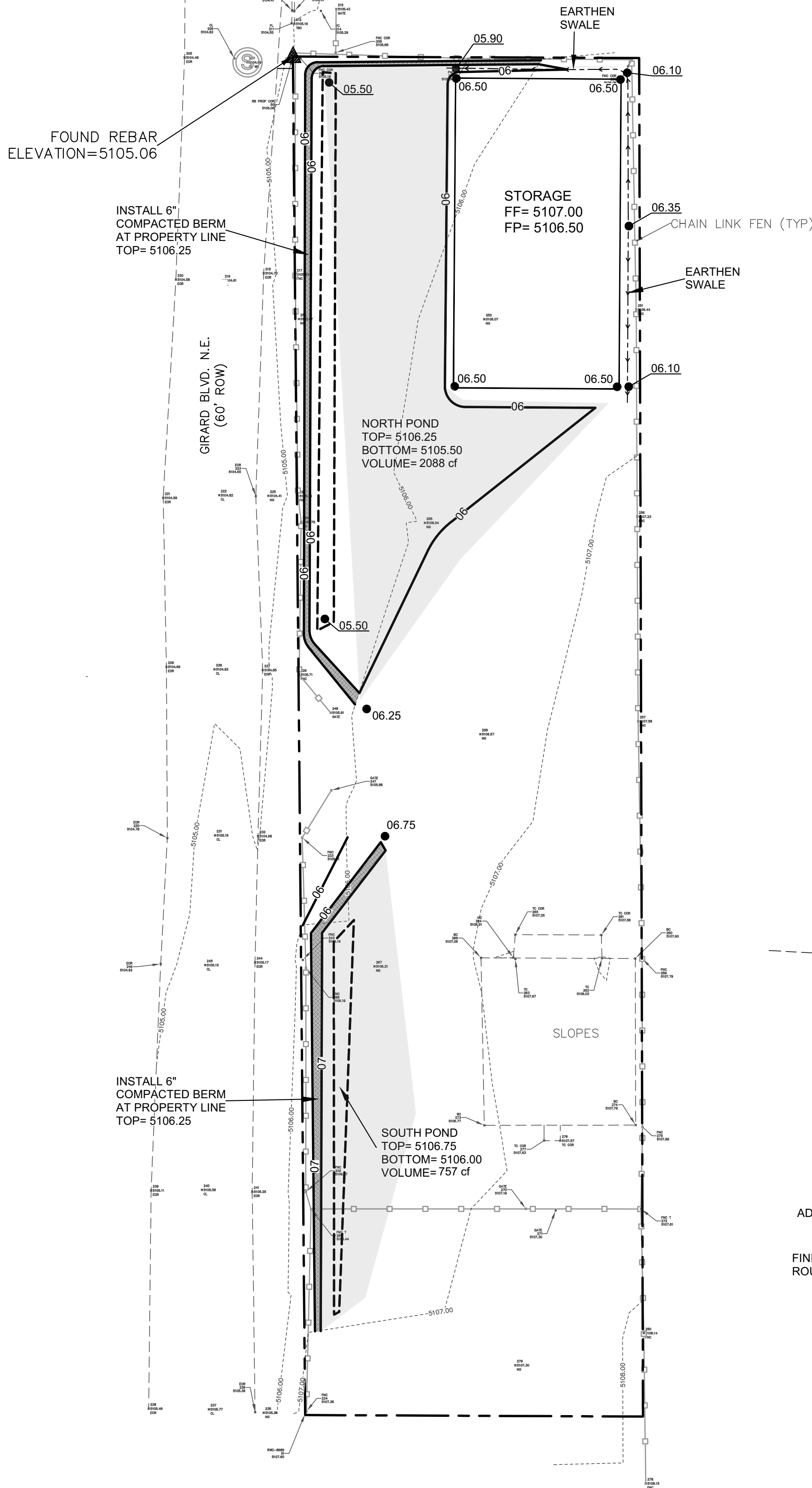
Where for 100-year, 6-hour storm(zone2)

Ea= 0.62	Qa= 1.71
Eb= 0.8	Qb= 2.36
Ec= 1.03	Qc= 3.05
Ed= 2.33	Qd= 4.34

Developed Conditions		
FLAT GRADING SCHEME	PEAK FLOW	TOTAL FLOW
EXISTING	1.07 CFS	1407 CF
PROPOSED	1.97 CFS	2969 CF
PROVIDED	0.00 CFS	2745 CF

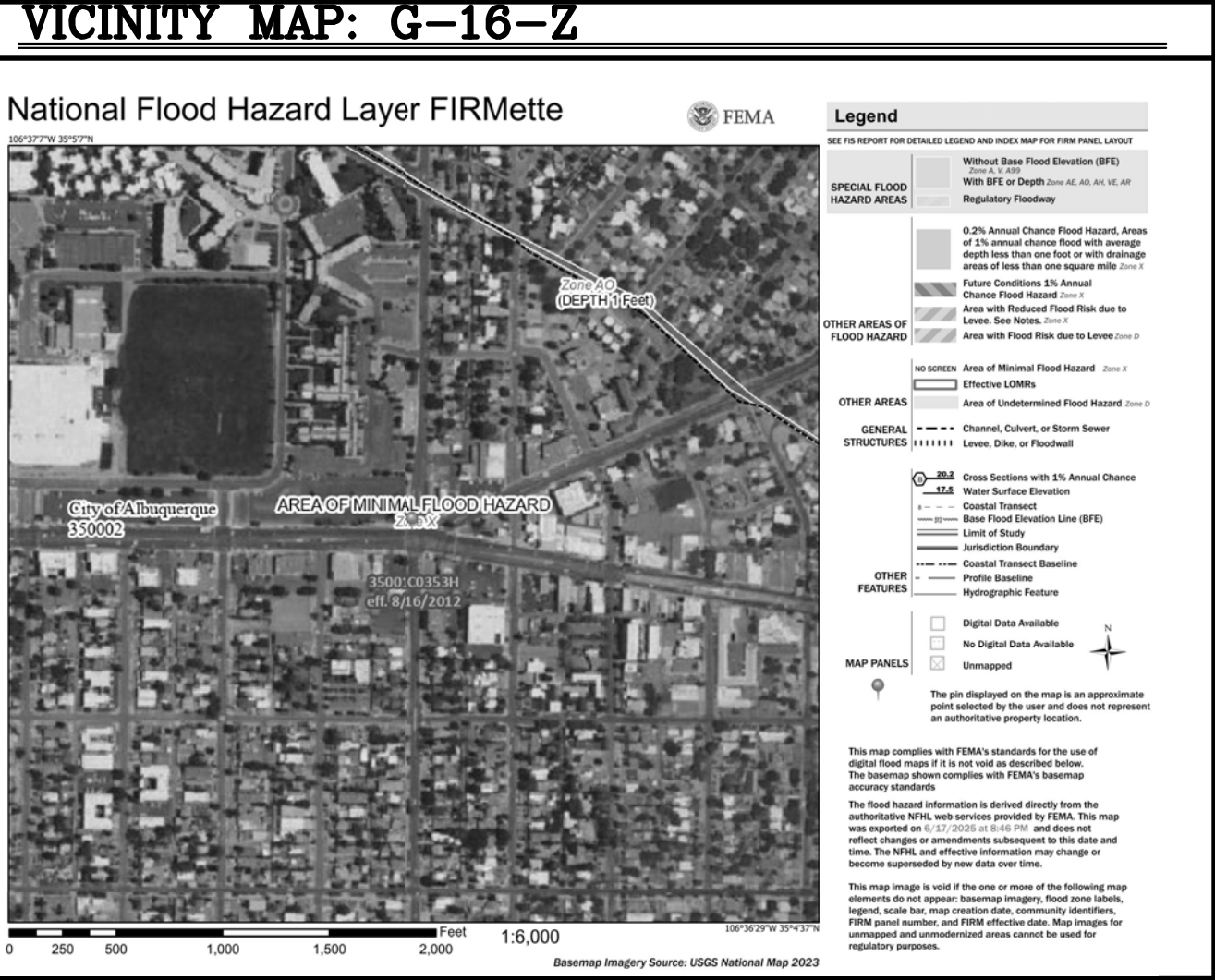
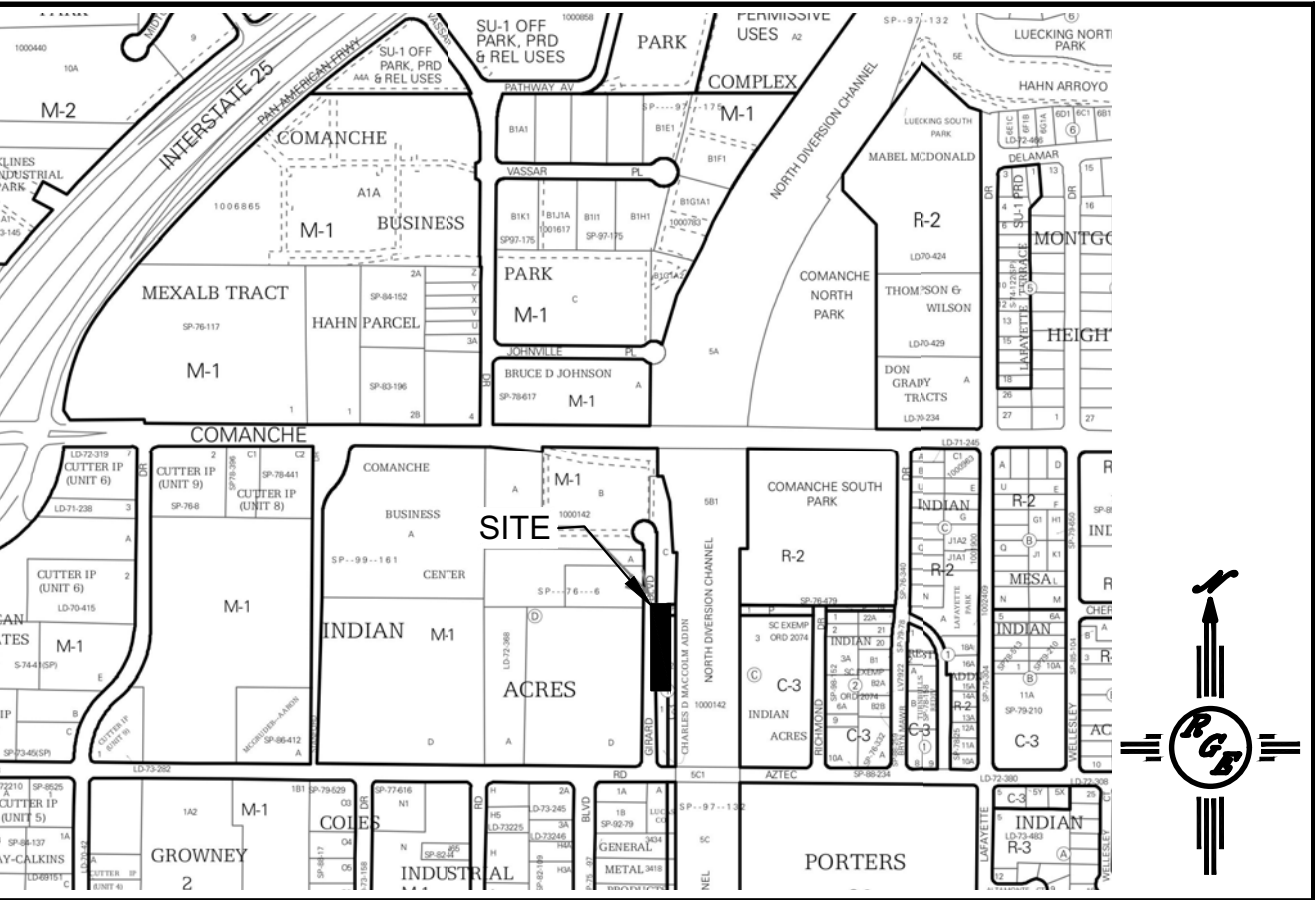
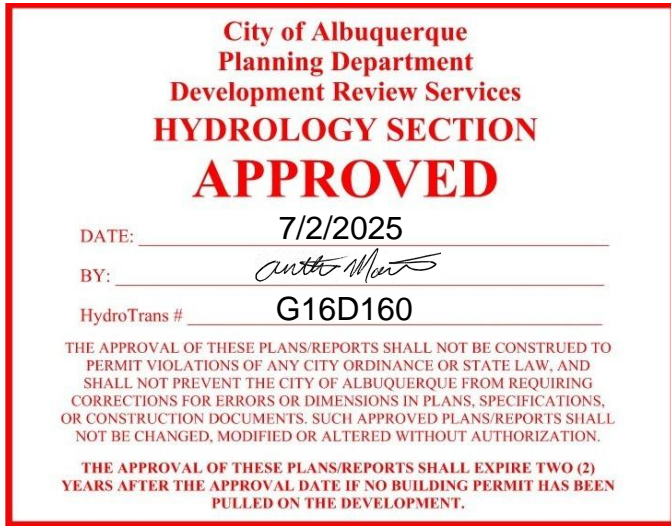
#### DRAINAGE NARRATIVE

THIS SITE IS AN IN FILL DEVELOPMENT. THE SITE IN AREA RETAIN ALL THEIR FLOW THEREFORE WE PROPOSE TO RETAIN THE 100-YEAR 10-DAY VOLUME ONSITE. THE SITE IS NOT IMPACTED BY UPLAND FLOW DUE TO THE SSCAFCA MAIN DIVERSION CHANNEL.



#### EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE 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.



#### FIRM MAP:

#### LEGAL DESCRIPTION:

LOT 2 CHARLES D. MALCOLM ADDITION  
CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

#### NOTES:

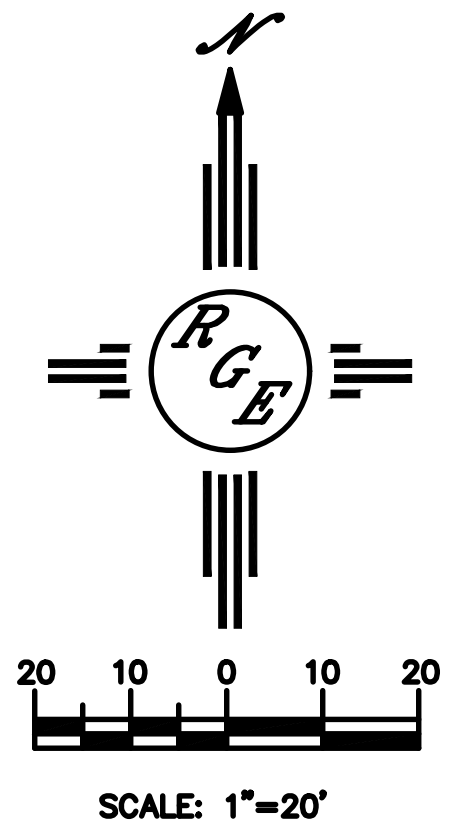
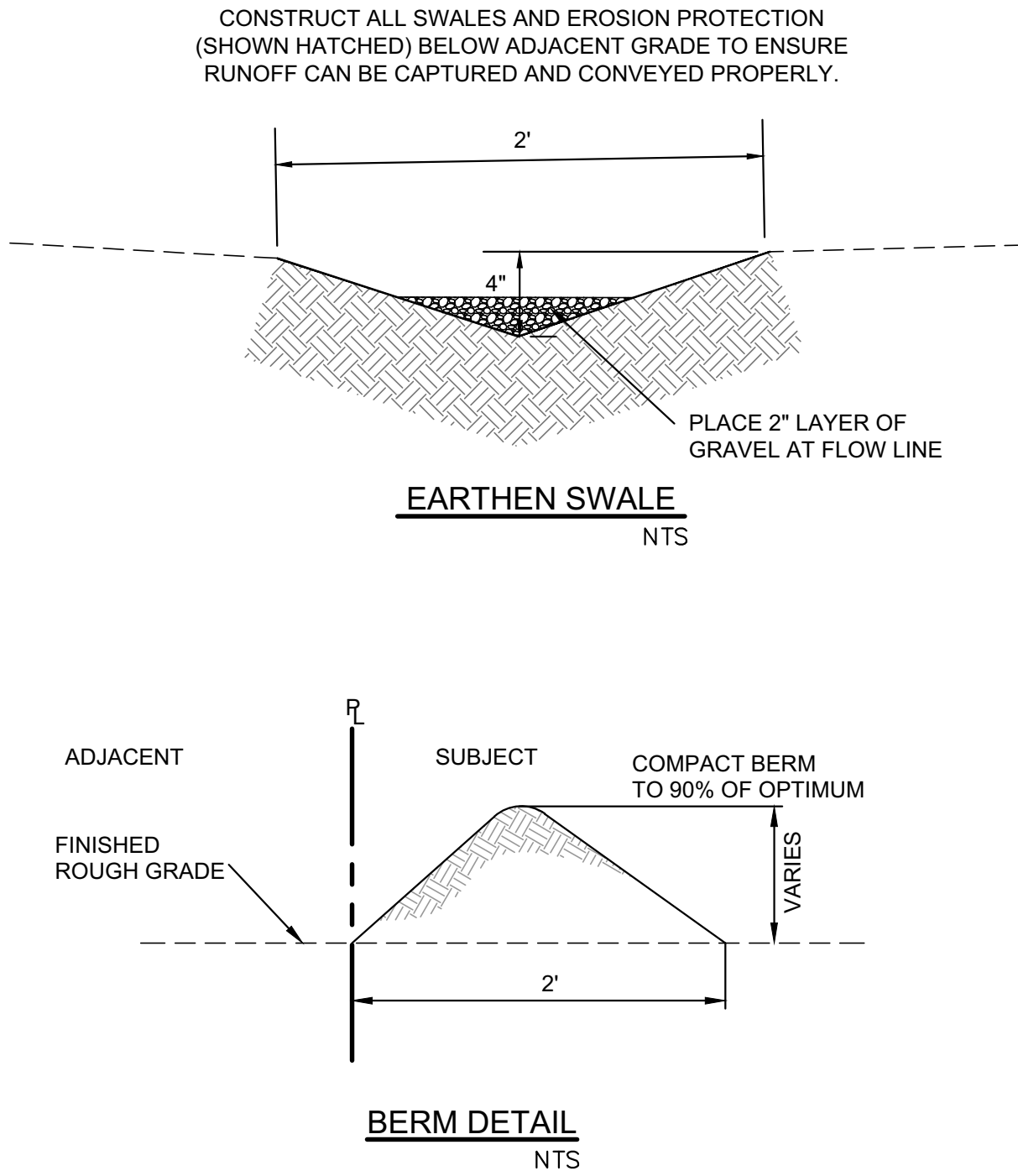
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1988.
5. LONG TERM MAINTENANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
6. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.


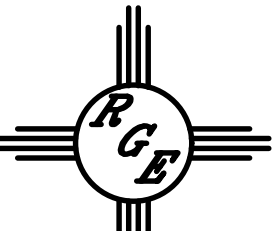
#### LEGEND

-----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

#### 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  6/19/25 DAVID SOULE P.E. #14522	LOT 2 CHARLES D. MALCOLM ADDITION 3526 GIRARD BLVD NE  GRADING AND DRAINAGE PLAN   Rio Grande Engineering P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	DRAWN BY DEM DATE 6-18-25 C:\SSS\Girard Blvd NE - 3526.dwg
		SHEET # C1 JOB #