

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Interim Director



Mayor Timothy M. Keller

August 27, 2024

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

RE: 1619 Griegos NW
Grading and Drainage Plan
Engineer's Stamp Date: 8/14/24
Hydrology File: F13D035

Dear Mr. Soule:

PO Box 1293

Albuquerque

Based upon the information provided in your submittal received 08/14/2024, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. **Since this site currently has an existing house that is going to be demolished, 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.

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

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 (Dough Hughes, PE, jhughes@cabq.gov, 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.

Sincerely,

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

Weighted E Method														
Basin	Area (sq)	Area (acres)	Treatment				100-Year, 6-hr		100 Yr 24-Hour					
			Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
HISTORICAL	10690.00	0.245	0%	0	46%	0.113	30%	0.074	24%	0.069	1.320	0.027	0.78	0.029
PROPOSED	10690.00	0.245	0%	0	32%	0.079	40%	0.098	28%	0.069	1.320	0.027	0.78	0.032
Equations:														
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(zone2)														
Ea= 0.82 Qa= 1.71														
Eb= 0.8 Qb= 2.36														
Ec= 1.03 Qc= 3.05														
Ed= 2.33 Qd= 4.34														
Developed Conditions														
TOTAL VOLUME														
GENERATED														
RETAINED														
DISCHARGE PROPOSED 0.78 CFS 1376 CF 0														
EXISTING DISCHARGE 0.75 CFS 1272 CF														
DIFFERENCE 0.04 CFS 103.51 CF 904 CF														
This site is a redevelopment of a previously developed lot. The existing house is currently being demolished. There is no master drainage plan for this area														
All lots currently free discharge and pond partial flows. The drainage solution is to retain the increase in flow generated by the redevelopment based upon the 24-hour volumes (104 cf increase- 904 cf retained). The ponds will overflow to the street														

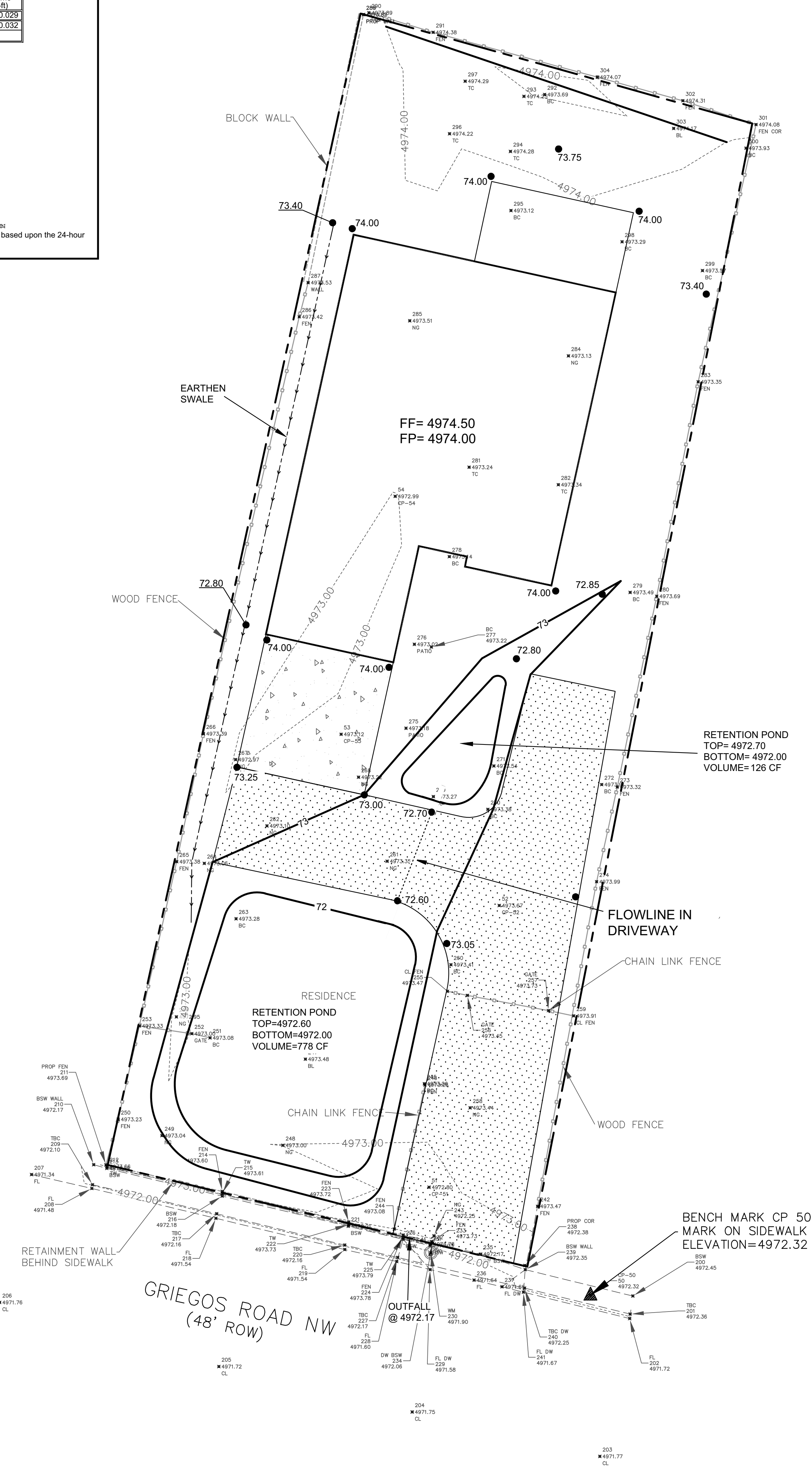
City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION

APPROVED

DATE: 8/27/2024
BY:
HydroTrans #: F13D035

THE APPROVAL OF THESE PLANS AND SPECIFICATIONS SHALL NOT BE CONSIDERED TO BE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE CITY OF ALBUQUERQUE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE, LOSS, OR INJURY TO PERSONS OR PROPERTY, OR FOR ANY OTHER CONSEQUENCES OF ANY KIND, ARISING OUT OF OR FROM THE USE OF THESE PLANS AND SPECIFICATIONS, OR FROM ANY OTHER INFORMATION PROVIDED HEREON, OR FROM ANY OTHER INFORMATION PROVIDED BY ANY OTHER PARTY.

APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN FILED ON THE DEVELOPMENT.

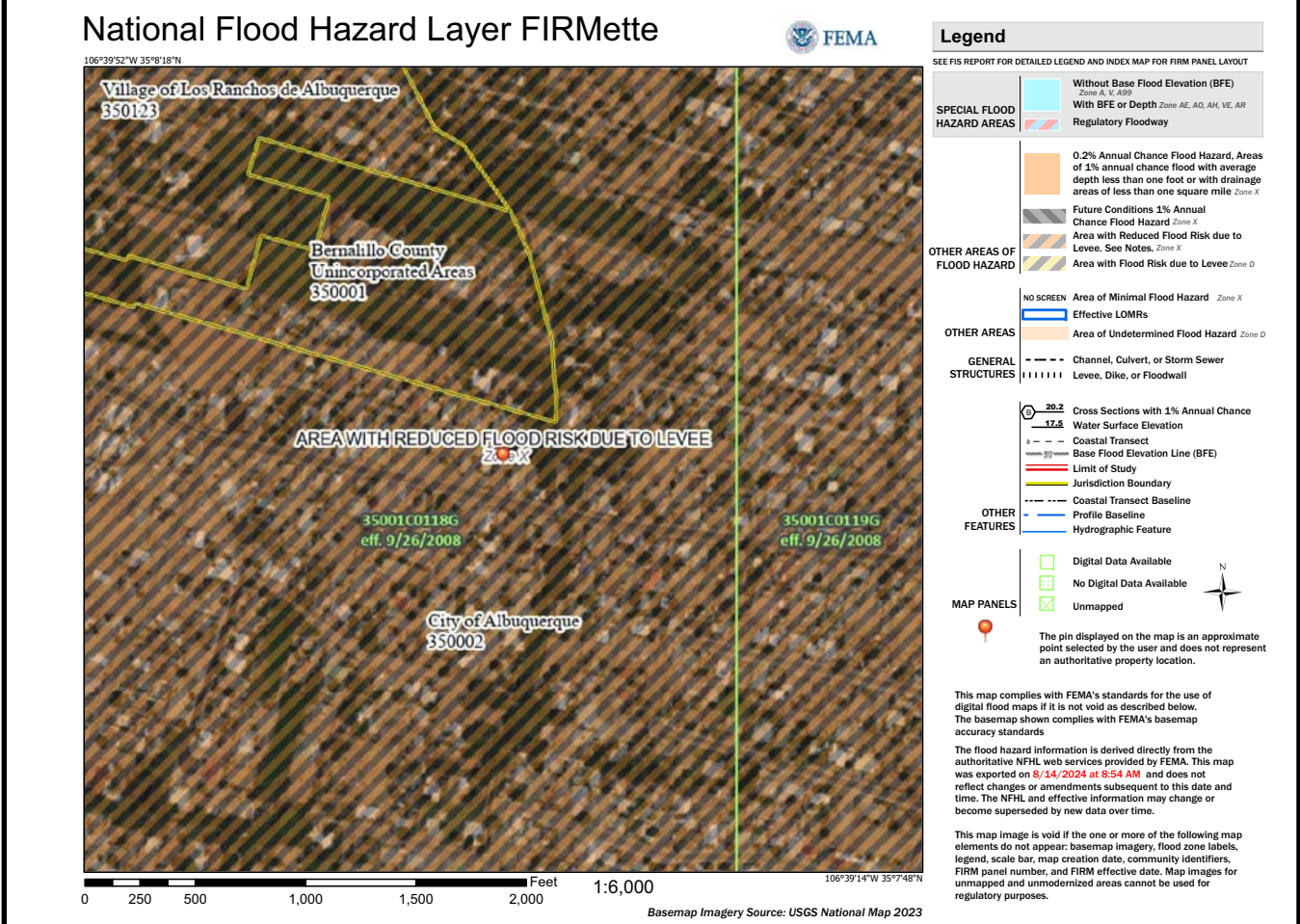


EROSION CONTROL NOTES:

- 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:



FIRM MAP:

LEGAL DESCRIPTION:

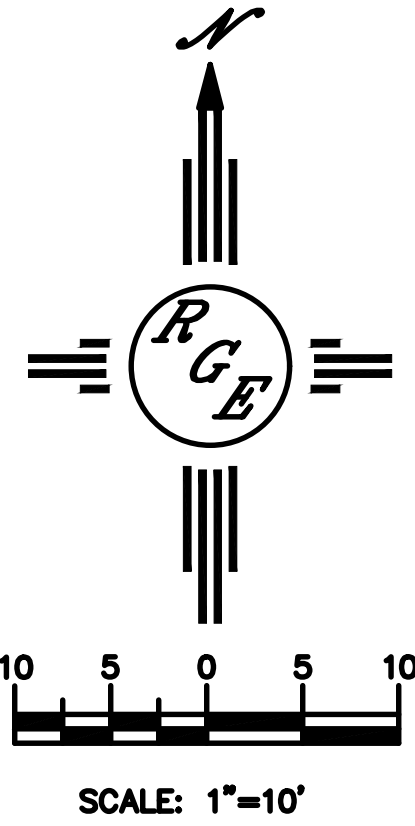
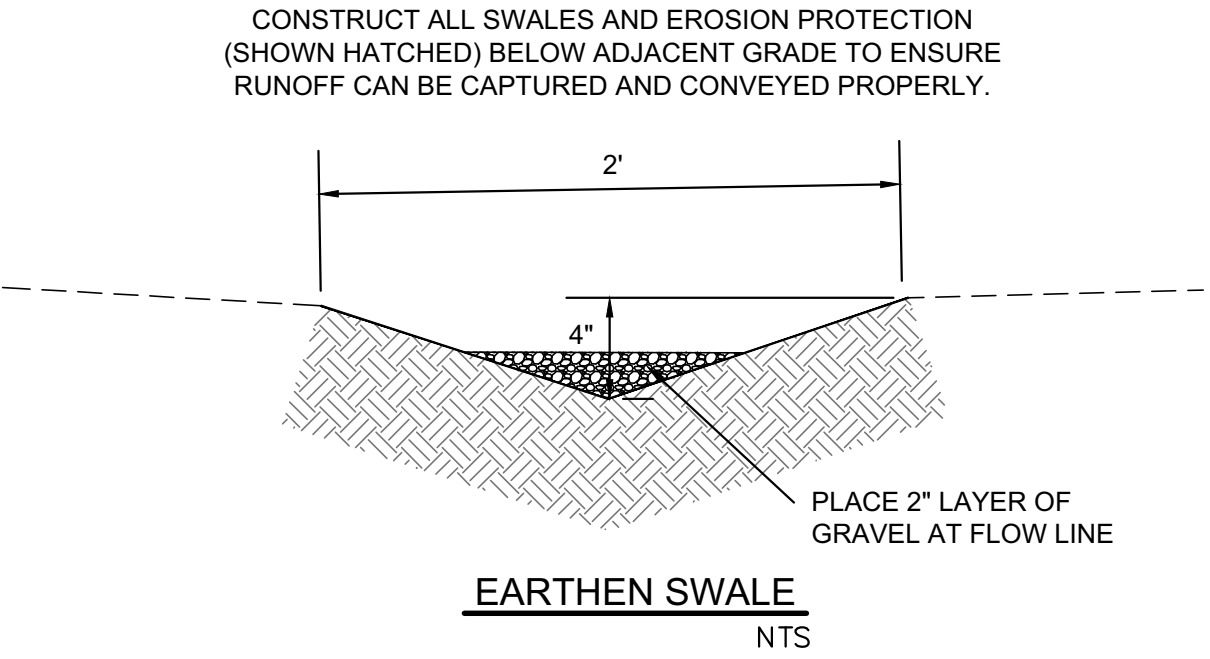
TRACT 58 MRGCD MAP 31
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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 COMMUNITY SCIENCES CORPORATION 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.

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



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.

<div>ENGINEER'S SEAL</div> <div></div> <div>8/14/24</div> <div>DAVID SOULE P.E. #14522</div>	TRACT 58 MRGCD MAP 31 1619 GRIEGOS RD NW	<div>DRAWN BY DEM</div> <div>DATE XXXXXX</div> <div>C:\Derry\RG3-DAVID SOULE\EST-040.dwg</div>
	GRADING AND DRAINAGE PLAN	<div>SHEET #</div> <div>C1</div>
	 Rio Grande Engineering P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-8099	<div>JOB #</div>