

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 5, 2022

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

**RE: 3409 Herrera Rd. NW
3409 Herrera Rd. NW
Grading and Drainage Plan
Engineer's Stamp Date: 4/26/22
Hydrology File: J12D034**

Dear Mr. Soule:

Based upon the information provided in your submittal received 4/26/22, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since the site has been rough graded 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.

PO Box 1293

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

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

NM 87103

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, 924-3420) 14 days prior to any earth disturbance.

www.cabq.gov

If you have any questions, please contact me at 924-3695 or dggutierrez@cabq.gov

Sincerely,

David G. Gutierrez, P.E.
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 3409 HERRERA RD NW **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 4 REGINA ADDITION
City Address: 3409 HERRERA RD NW

Applicant: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE
Address: PO BOX 93924 ALB NM 87199
Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: _____ PLAT ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

☐ ENGINEER/ARCHITECT CERTIFICATION
☐ PAD CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ DRAINAGE REPORT
☐ DRAINAGE MASTER PLAN
☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
☐ ELEVATION CERTIFICATE
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ STREET LIGHT LAYOUT
☐ OTHER (SPECIFY) _____
☐ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY

☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL

☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ FLOODPLAIN DEVELOPMENT PERMIT
☐ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr		100 yr 10-DAY	
			% (acres)	%	% (acres)	%	% (acres)	%	% (acres)	%	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
EXISTING	21730.00	0.499	0%	70%	0.349	22%	0.110	8%	0.040		0.899	0.037	1.23	0.045
PROPOSED	21730.00	0.499	0%	0	54%	0.269	22%	0.110	24%	0.120	1.141	0.047	1.39	0.069

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

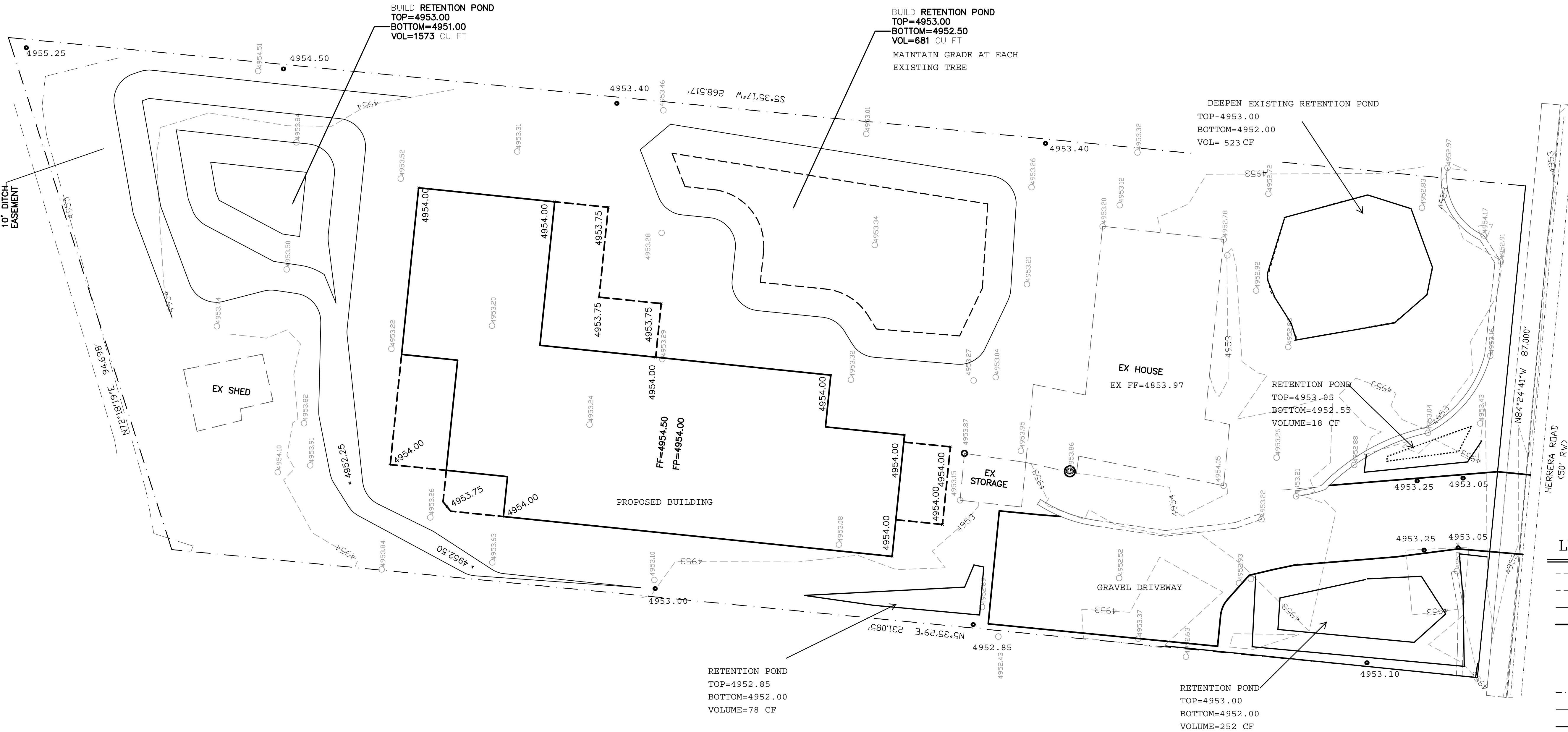
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

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

Ea= 0.55	Qa= 1.54
Eb= 0.73	Qb= 2.16
Ec= 0.95	Qc= 2.87
Ed= 2.24	Qd= 4.12

Developed Conditions	TOTAL VOLUME
EXISTING STORMWATER GENERATION	1948.46
PROPOSED STORMWATER GENERATION	3026.26
REQUIRED STORMWATER STORAGE	3027
PROVIDED STORMWATER STORAGE	3107

This site is an lot in an existing subdivision. The site is required to retain the 100-year 10 day volume.



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.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 5.5.22

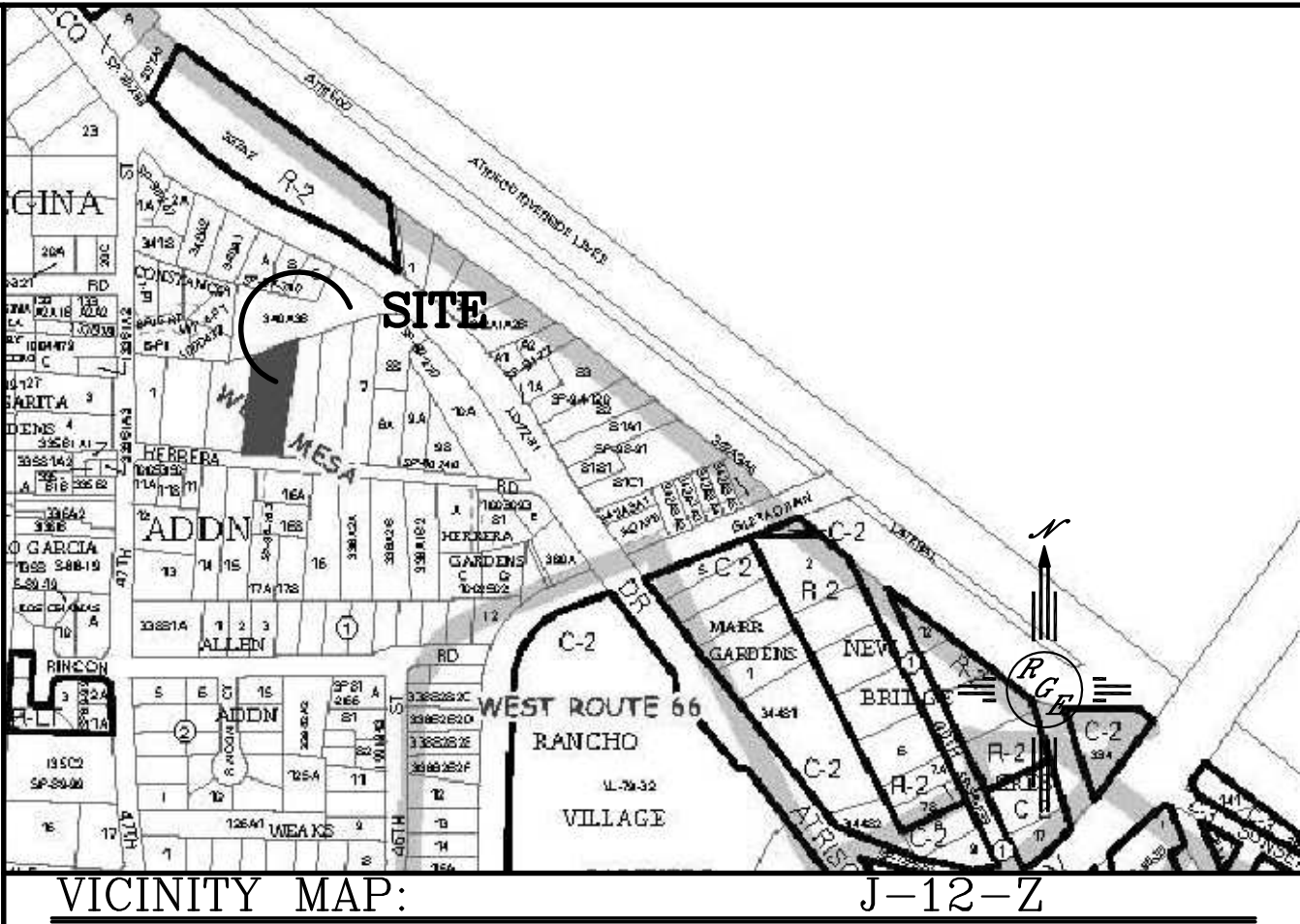
BY: [Signature]

HydroTeam # J120034

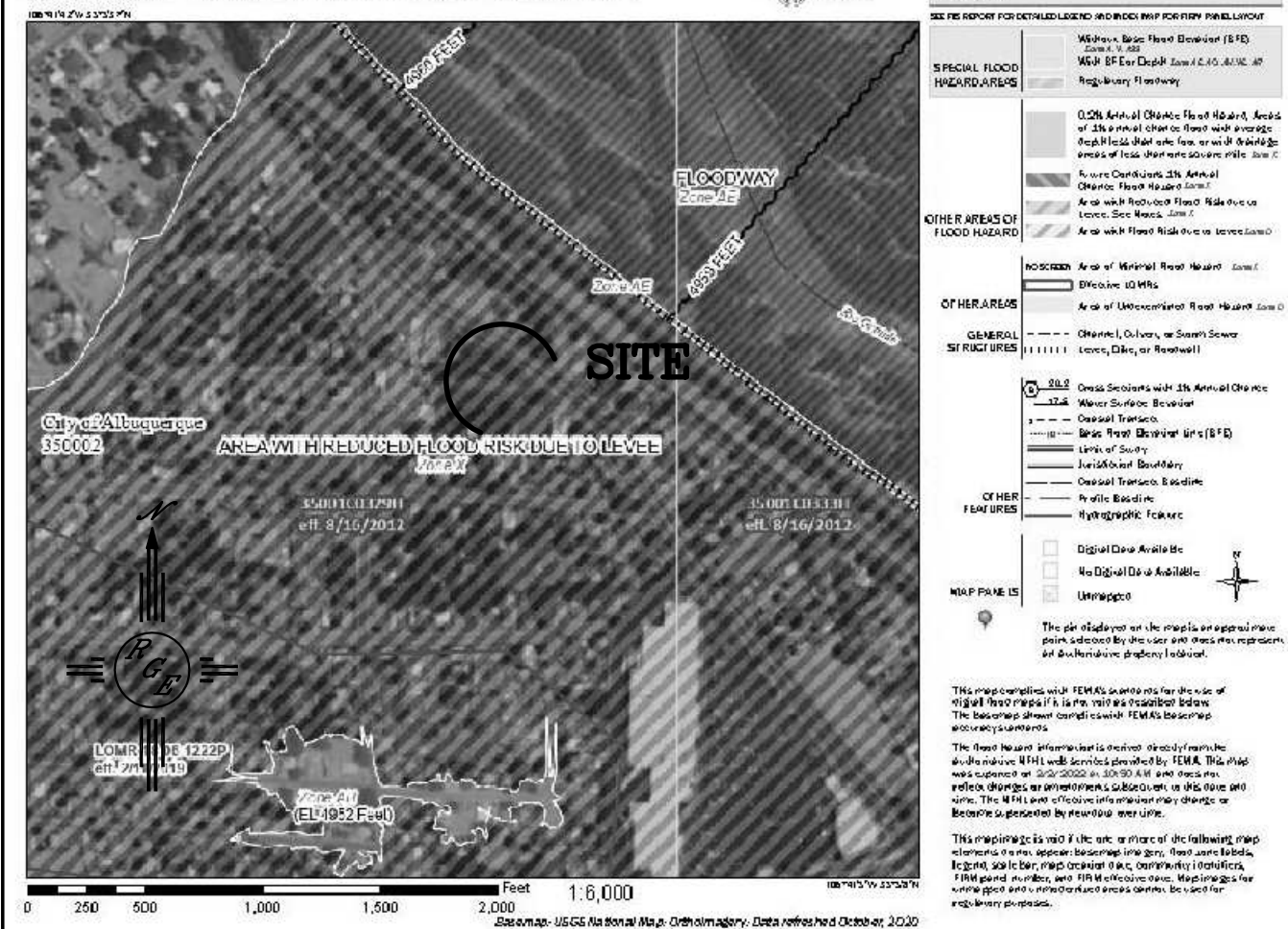
THE APPROVAL OF THESE PLANS DOES NOT BE
CONSIDERED AS A GUARANTEE OF THE
ACCURACY OR COMPLETENESS OF THE
INFORMATION PROVIDED HEREON. THE
ENGINEER ASSUMES NO LIABILITY FOR
ANY ERRORS OR OMISSIONS IN THE
PLANS, AND THE USER ASSUMES ALL
RISK OF INJURY OR DAMAGE TO PERSONS OR
PROPERTY.

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.



National Flood Hazard Layer FIRMette



FIRM MAP:

LEGAL DESCRIPTION:

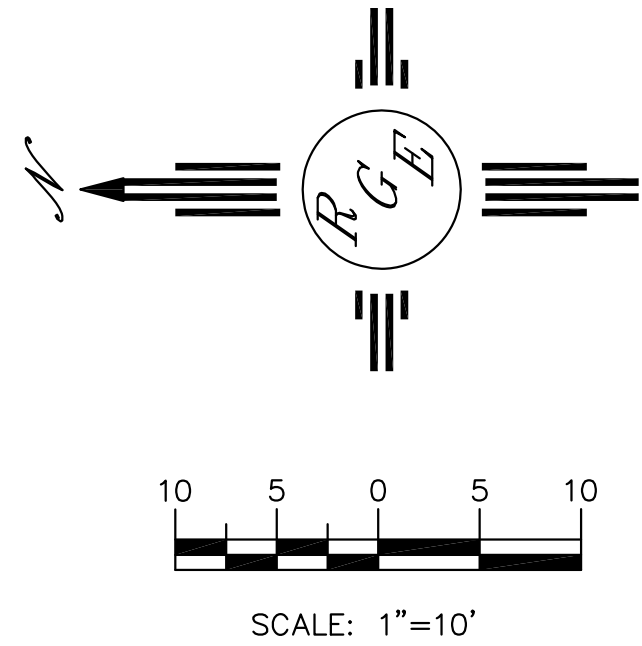
LOT 4 REGINA ADDITION

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.
- NO PONDING WITHIN 10' OF STRUCTURE.
- SURVEY INFORMATION PROVIDED BY CONSTRUCTION SURVEY TECHNOLOGY UTILIZING NAVD 1988 DATUM

LEGEND

---	EXISTING CONTOUR
- - - -	EXISTING INDEX CONTOUR
----	PROPOSED CONTOUR
-----	PROPOSED INDEX CONTOUR
---	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
---	LOT LINE
---	CENTERLINE
---	RIGHT-OF-WAY
---	PROPOSED PVC SD (SEE PLAN FOR SIZE)
---	GRAVEL LINED SWALE
---	EXISTING CURB AND GUTTER
---	PROPOSED CMU SCREEN WALL-DESIGN BY OTHERS 18" MAX RETAINGE @ PERIMETER WALL



ENGINEER'S SEAL DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	3409 HERRERA	DRAWN BY: WCVJ
		DATE 2-03-22
4/26/22 2/4/22 DAVID SOULE P.E. #14522	GRADING AND DRAINAGE PLAN Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-5999	2022009-LAYOUT-2-03-22
		SHEET # —
		JOB # 2022009