

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 3, 2022

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

**RE: 1516 Gerald Ave. SE
Grading and Drainage Plan
Engineer's Stamp Date: 02/07/22
Hydrology File: M15D051**

Dear Mr. Soule:

Based upon the information provided in your submittal received 02/07/2022, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this site currently has an existing structure, 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:

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

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 1616 Gerald SE **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 4 Block 5 Kirtland Addition Unit1
City Address: 1616 Gerald se

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: _____

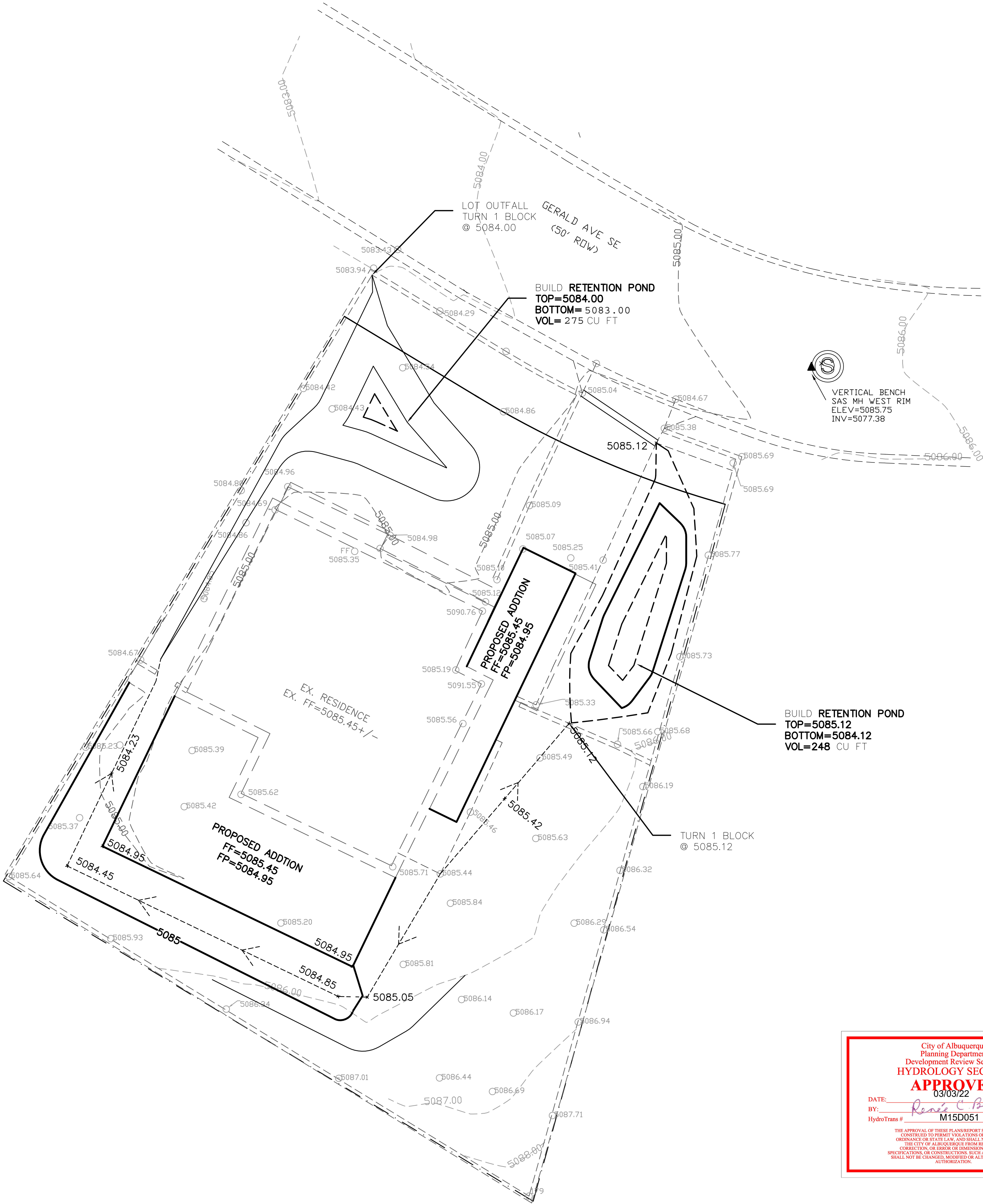
Basin	Area (sf)	Area (acres)	10-Year 6-hr						10-day					
			Treatment A (% acres)	Treatment B (% acres)	Treatment C (% acres)	Treatment D (% acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
EXISTING	8038.00	0.184	0%	0	38%	0.070	36%	0.0664	28%	0.062	1.327	0.020	0.59	0.027
PROPOSED	8038.00	0.184	0%	0	30%	0.055	29%	0.0535	41%	0.078	1.494	0.023	0.62	0.033
COMPARISON	0.00	0.00	0%	0.000	-3%	-0.015	7%	-0.013	13%	0.024		0.003	0.030	0.003

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

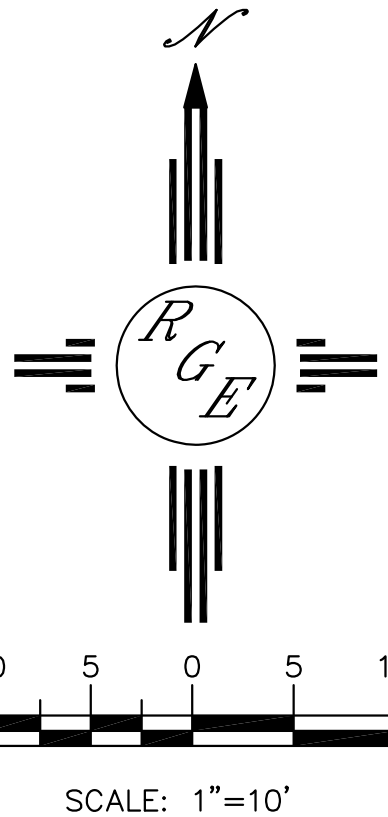
Developed Conditions
FLOOD CONTROL INCREASE 10-DAY 251 CF 6-HOUR 112 CF PROVIDED 523

NARRATIVE
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A +/-1050 SQUARE FOOT ADDITION TO AND EXISTING HOUSE. THE DRIVEWAY AND FLATWORK SHALL BE MODIFIED. THE REAR YARD AND SIDE YARD WILL BE MODIFIED TO CAPTURE STORM WATER. THE PONDS DRAIN TO STREET IN EMERGENCY CONDITION. SITE IS LOCATED IN A FULLY DEVELOPED NEIGHBORHOOD. THE INCREASE IN FLOW IS BEING RETAINED AND DRAINAGE PATTERN TO THE STREET REMAINS



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: 03/03/22
BY: [Signature]
HydroTeam # M15D051
THE APPROVAL OF THESE PLANS BY THE CITY OF ALBUQUERQUE DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY DAMAGE, LOSS, OR INJURY TO PERSONS OR PROPERTY, OR FOR ANY OTHER LOSS, ARISING OUT OF THE USE OF THESE PLANS. THE USER OF THESE PLANS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND AUTHORIZATIONS FROM THE APPROPRIATE AGENCIES.

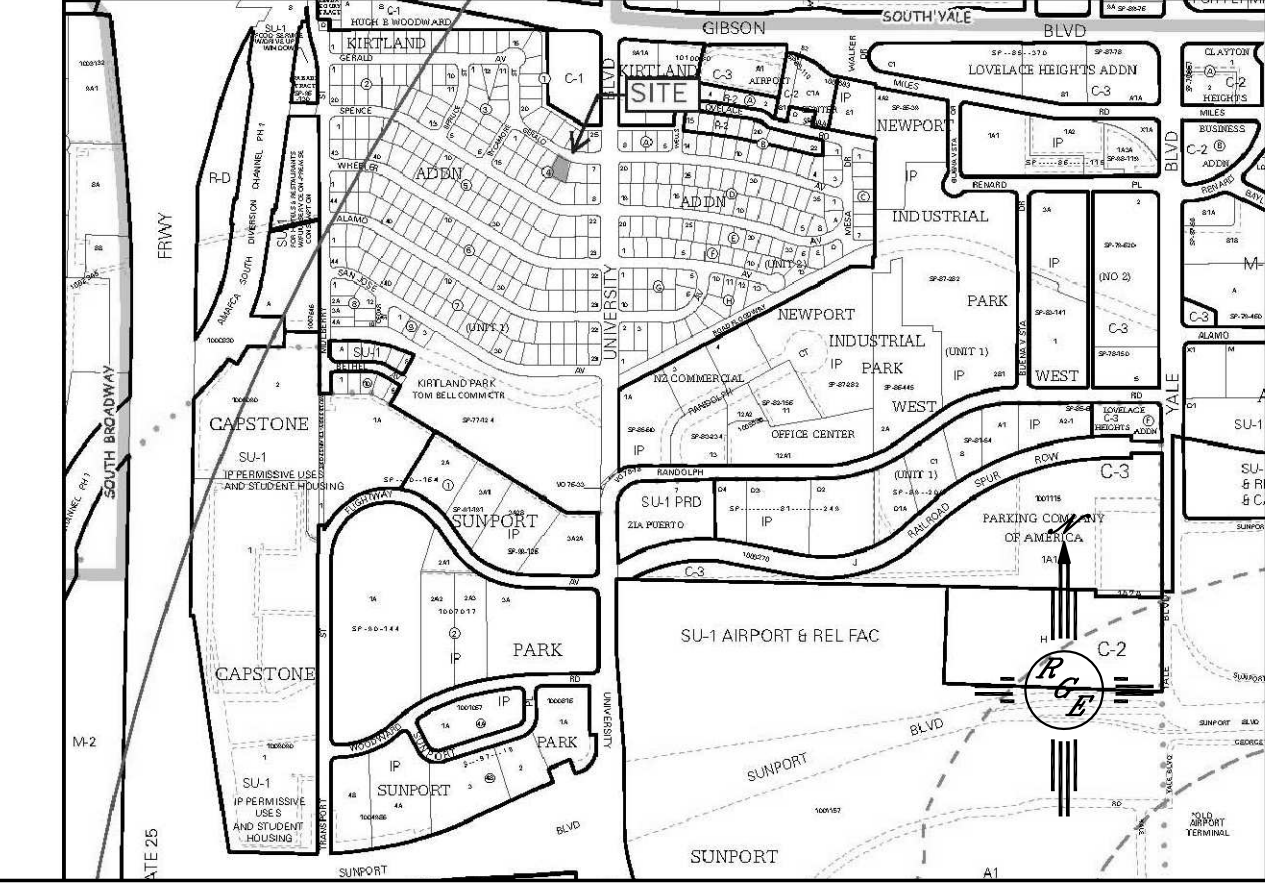


LEGEND	
---XXXX---	EXISTING CONTOUR
---XXXX---	EXISTING INDEX CONTOUR
---XXXX---	PROPOSED CONTOUR
---XXXX---	PROPOSED INDEX CONTOUR
---XXXX---	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
----	LOT LINE
----	CENTERLINE
----	RIGHT-OF-WAY
----	PROPOSED PVC SD (SEE PLAN FOR SIZE)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

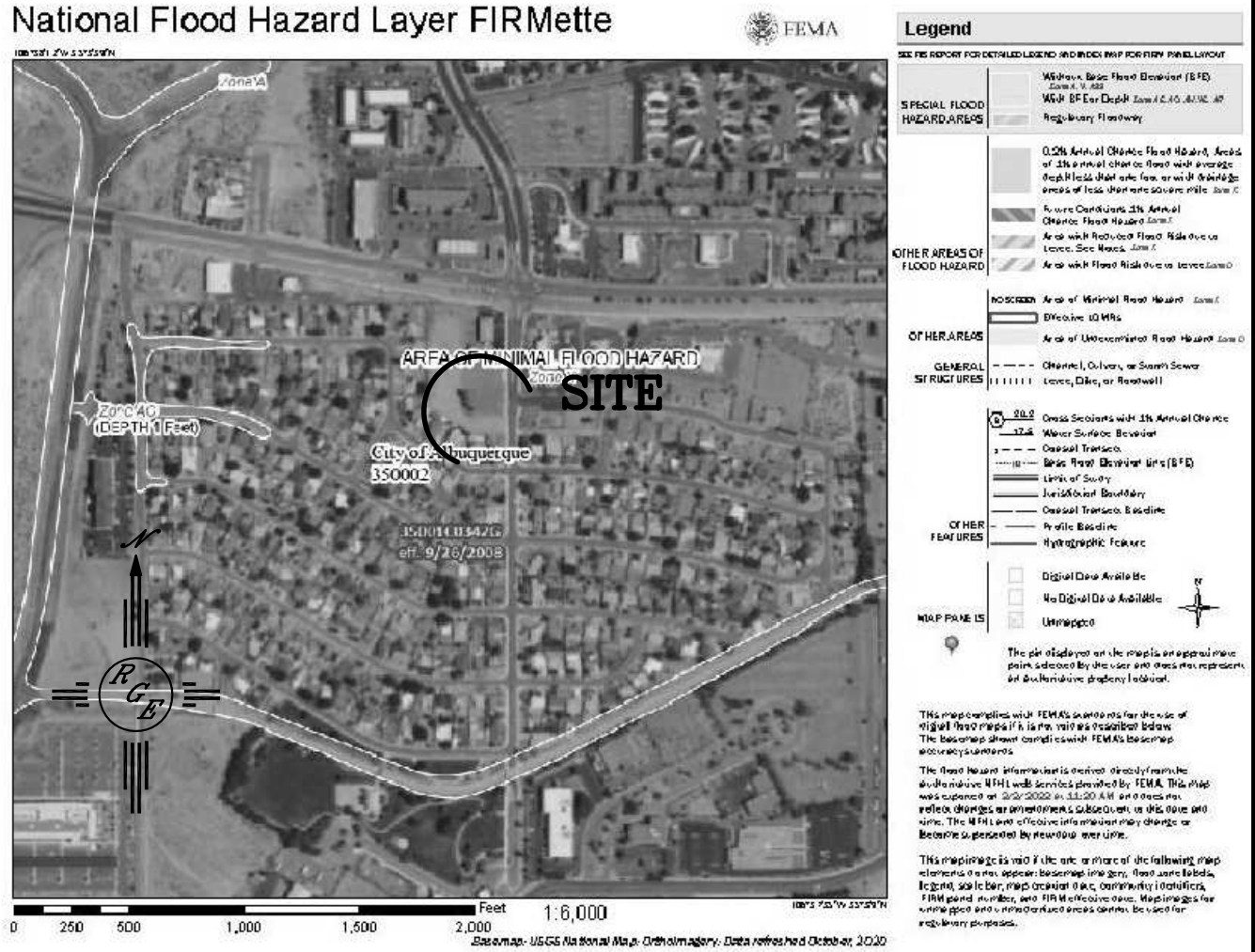
<div>ENGINEER'S SEAL</div> <div>DAVID SOULE 14522 PROFESSIONAL ENGINEER</div> <div>2/7/22</div> <div>DAVID SOULE P.E. #14522</div>	1516 GERALD	DRAWN BY: WCUJ
	GRADING AND DRAINAGE PLAN	DATE: 2-03-22
	<div></div> <div>Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-5999</div>	20220010-LAYOUT-2-03-22
		SHEET # JOB # 20220010

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.



VICINITY MAP: M-15-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 4, BLOCK 5, UNIT 1, KIRTLAND ADDITION

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