

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

September 22, 2022

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

**RE: 1520 Spense Ave SW
Grading and Drainage Plan
Engineer's Stamp Date: 08/31/22
Hydrology File: M15D053**

Dear Mr. Soule:

Based upon the information provided in your submittal received 09/06/2022, the Grading and Drainage Plan is approved for Building Permit. Since this site's existing home was demolished, a Pad Certification is not required 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 (G): Engineer's Certification Checklist for Subdivision and Part 6-14 (H): Required Certification Language 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: 1520 SPENSE SE **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 19 Block 5 Kirtland Addition Unit2
City Address: 1520 SPENSE 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: _____

Weighted E Method

100-Year 6-hr											
Basin	Area (ac-ft)	Area (ac-ft)	Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted S (ac-ft)	Volume (cu-ft)	Flow CFS	10-day Volume (cu-ft)	10-day Volume (cu-ft)
EXISTING	0.008	0.008	0%	20%	0.002	88%	0.1418	1.140	0.020	0.04	0.023
PROPOSED	0.008	0.008	0%	20%	0.002	47%	0.0981	0.089	1.413	0.025	0.034
COMPARISON	0.00	0.00	0%	0.000	0%	0.000	-21%	-0.044	-21%	0.004	0.011

ALLOWED

Equations:
Weighted E = E_A*A_A + E_B*A_B + E_C*A_C + E_D*A_D / (Total Area)

Volume = Weighted D * Total Area

Flow = Q_A * A_A + Q_B * A_B + Q_C * A_C + Q_D * A_D

Where for 100-year, 6-hour storm:
E_A= 0.62
E_B= 0.8
E_C= 1.03
E_D= 2.33
Q_A= 1.71
Q_B= 2.36
Q_C= 3.05
Q_D= 4.34

Developed Conditions

FLOOD CONTROL INCREASE	10-DAY 481 CF	6-HOUR 207 CF	PROVIDED 286
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NARRATIVE

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW HOME ON A VACANT LOT. THE LOT APPEARS TO HAVE BEEN DEVELOPED IN THE DISTANT PAST. ALL LOTS IN THE SUBDIVISION FREE DISCHARGE. THE PLAN CALLS FOR RETAINING 286 CF IN A REAR YARD POND THAT SPILLS TO THE FRONT. THE SITE WILL FREE DISCHARGE TO SPENCE AVENUE ONCE THE PONDS FILL.

EROSION CONTROL NOTES:

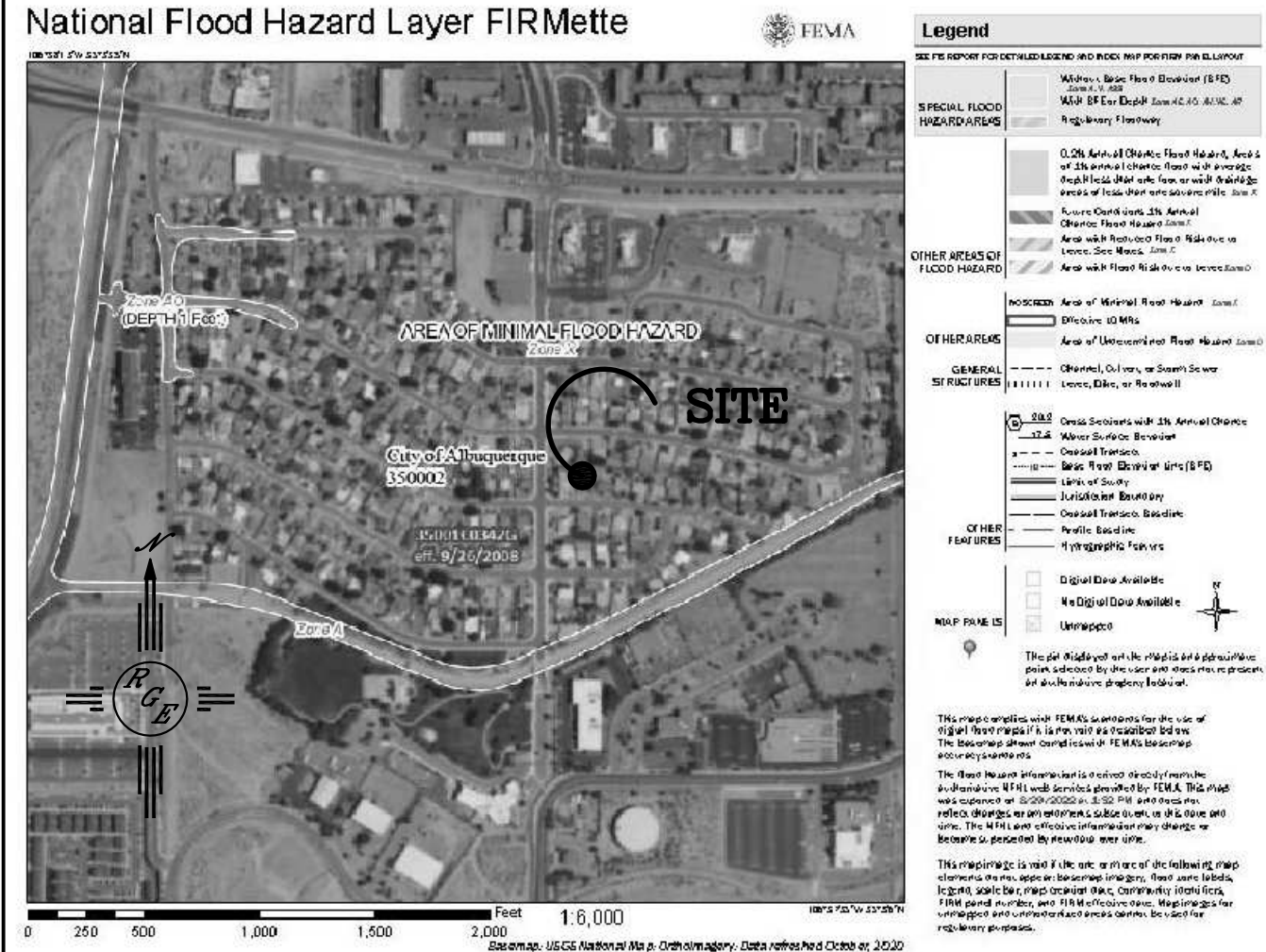
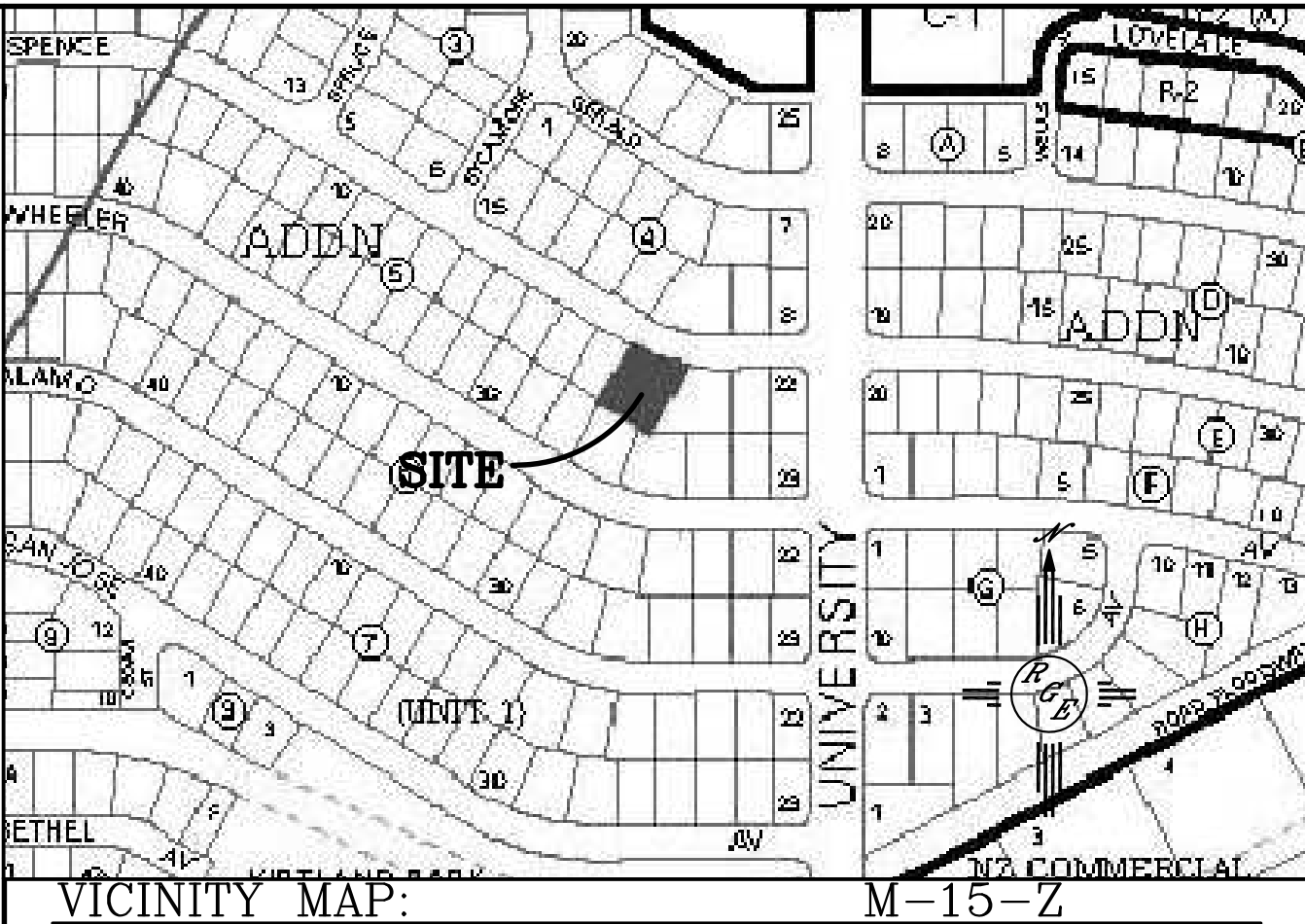
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

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:

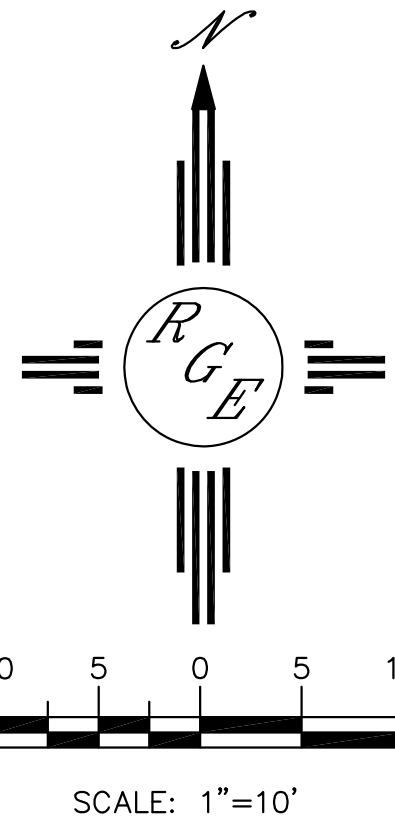
LOT 19, BLK 5, KIRTLAND ADDITION

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 CSI UTILIZING NAVD 1988 DATUM
- A PAD ELEVATION CERTIFICATION IS REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT

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 6" PVC SD
----		GRAVEL LINED SWALE
=====		EXISTING CURB AND GUTTER
=====		PROPOSED CMU RETAINING WALL-DESIGN BY OTHERS 2.67' MAX RETAINAGE



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.

