

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

June 15, 2020

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

**RE: 3110 San Isidro St. NW**  
**Grading and Drainage Plan**  
**Engineer's Certification Date: 06/12/20**  
**Engineer's Stamp Date: 05/20/20**  
**Hydrology File: G13D038**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your Certification received on 06/12/20 and site photos sent on 06/15/20, the above referenced Certification is acceptable for Building Pad Certification for 3110 San Isidro St. NW.

Albuquerque

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required. Also a formal Elevation Certificate needs to be submitted to Hydrology.

NM 87103

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

[www.cabq.gov](http://www.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:** 3110 SAN ISIDRO **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** LOT 42B LIVINGSON PLACE SUBDIVISION

**City Address:** 3110 SAN ISIDRO street NW

**Applicant:** MIKE RENFRO

**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: \_\_\_\_\_

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED5/20/20



6/11/20

NORTH RIM ELEVATION: 4964.63

#### Weighted E Method

Basin	Area (sq ft)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	100-Year 5-Day Weighted Flow (cfs)	10-day Weighted Flow (cfs)
EXISTING	14628.00	0.336	100%	0.336	0%	0.000	0.530	0.015
PROPOSED	14628.00	0.336	0%	40%	0.134	38%	0.1276	22%
COMPARISON	0.00	0.00	-100%	0.336	40%	0.134	38%	0.128
ADDITIONAL							0.074	22%
Equations:							0.074	22%

Weighted E = Ea\**A*a + Eb\**A*b + Ec\**A*c + Ed\**A*d / (Total Area)  
First flush requirement (Redevelopment=imp.26/12 - New development=imp.34/12)  
Volume = Weighted D \* Total Area  
Flow = Qa \* *A*a + Qb \* *A*b + Qc \* *A*c + Qd \* *A*d

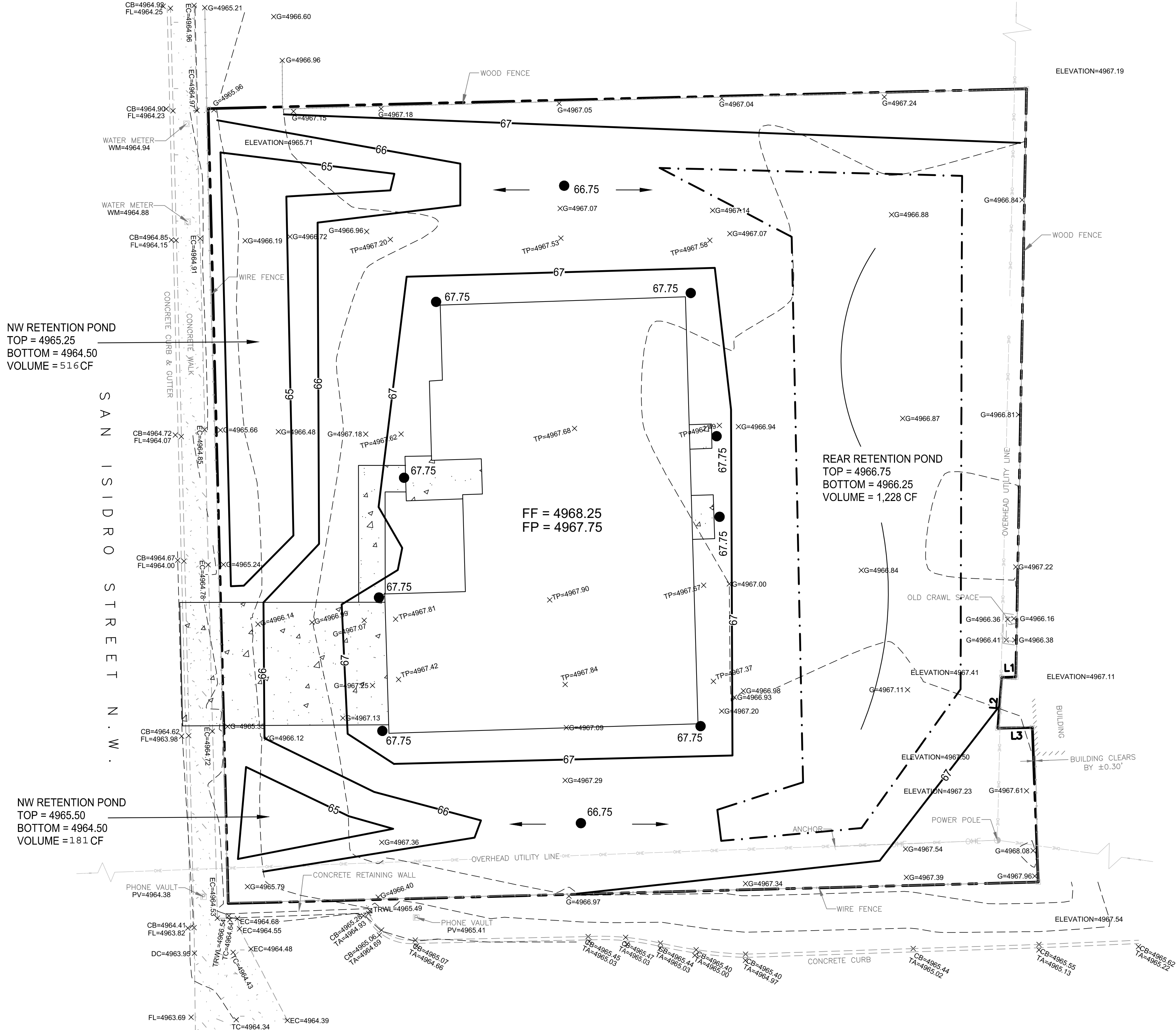
Where for 100-year, 6-hour storm  
Ea= 0.53  
Eb= 0.78  
Ec= 1.13  
Ed= 2.12

Qa= 1.56  
Qb= 2.28  
Qc= 3.14  
Qd= 4.7

Developed Conditions

FLOOD CONTROL INCREASE TOTAL	10-DAY 1255 CF 1801 CF	6-HOUR 826 CF 1472	PROVIDED 2084 1925
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NARRATIVE  
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW HOME IN AN INFILL AREA THE SITE IS SURROUNDED BY FULLY DEVELOPED INFRASTRUCTURE SITE IS LOCATED IN THE VALLEY DRAINAGE AREA THE SITE IS ALLOWED TO RETAIN ONSITE THE 100-YEAR, 10-DAY VOLUME. THIS SITE SHALL RETAINS THE 100 YEAR, 6 HOUR VOLUME. THE YARD WILL OVERFLOW TO SAN ISIDRO STREET IN AN EMERGENCY SITUATION

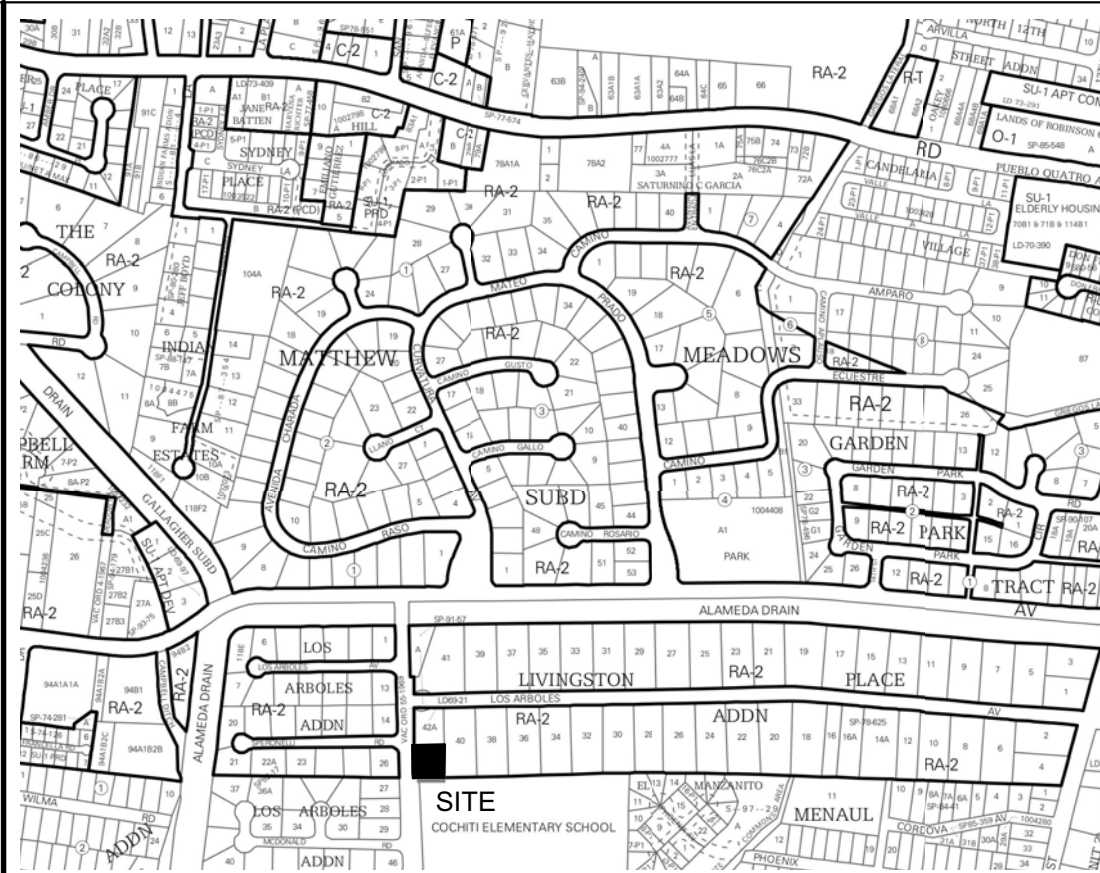


#### CAUTION:

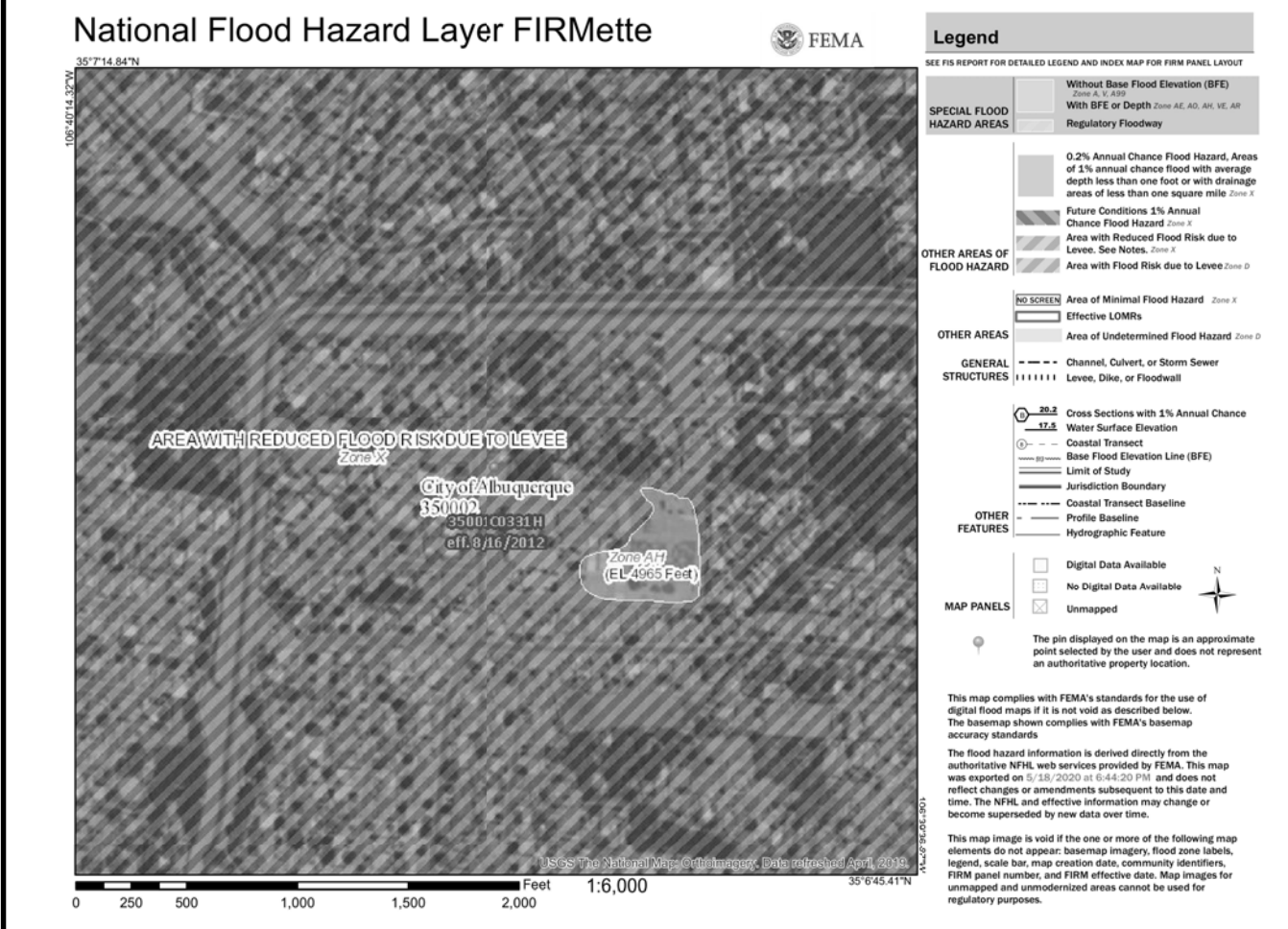
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

#### 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: G-13-Z



#### FIRM MAP:

#### LEGAL DESCRIPTION:

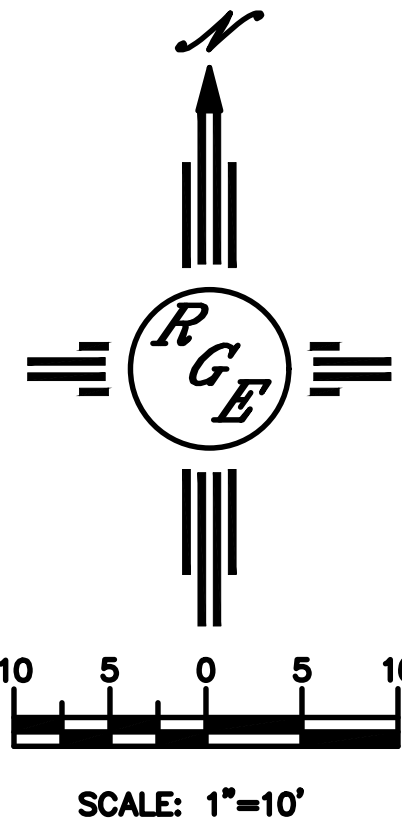
LOT 42-B LIVINGSTON PLACE  
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

#### 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.
- 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
----->-----	PROPOSED FLOW
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
=====	PROPOSED CONCRETE DRIVEWAY



ENGINEER'S SEAL	LOT 42-B LIVINGSTON PLACE SAN ISIDRO ST N.W.	DRAWN BY DEM
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	DATE 5-20-20
5/20/20	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0899	LOT 42B LIVINGSTON PLACEDWG
DAVID SOULE P.E. #14522		SHEET # C1
		JOB #