

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

May 29, 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 Stamp Date: 05/20/20**  
**Hydrology File: G13D038**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 05/27/20, the Grading and Drainage Plan is approved for Building Permit.

Albuquerque

Once the grading is complete, a pad certification will be required prior to release of Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter and the pad certification approval letter.

NM 87103

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

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

Basin	Area (sf)	Area (acres)	100-Year, 6-hr						10-day					
			Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
EXISTING	14628.00	0.336	100%	0.3358	%	0.000	0%	0	0.000	0.530	0.15	0.52	0.015	
PROPOSED	14628.00	0.336	0%	0	40%	0.134	38%	0.128	22%	0.074	1.208	0.034	1.05	0.049
COMPARISON	0.00	0.00	-100%	0.336	40%	0.134	38%	0.128	22%	0.074	0.019	0.034	1.05	0.022

First flush requirement (Redevelopment=impx.26/12-- New development=impx.34/12	
REQUIRED	PROVIDED
69.727	2084 cubic feet

$$\text{Flow} = Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$$

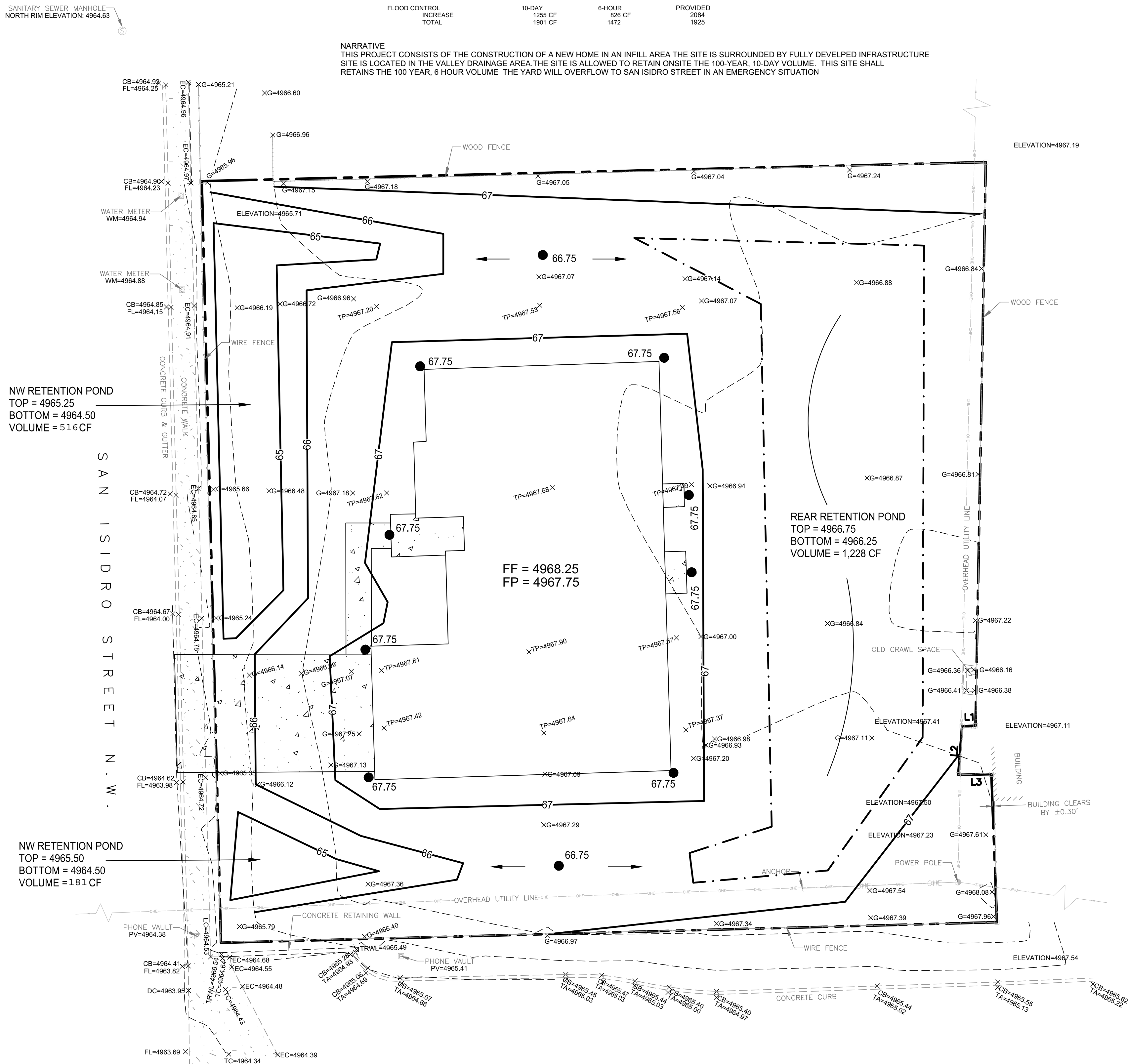
Where for 100-year, 6-hour storm

Ea = 0.53	Qa = 1.56
Eb = 0.78	Qb = 2.28
Ec = 1.13	Qc = 3.14
Ed = 2.12	Qd = 4.7

### Developed Conditions

FLOOD CONTROL	10-DAY	6-HOUR	PROVIDED
INCREASE	1255 CF	826 CF	2084
TOTAL	1901 CF	1472	1925

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



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.

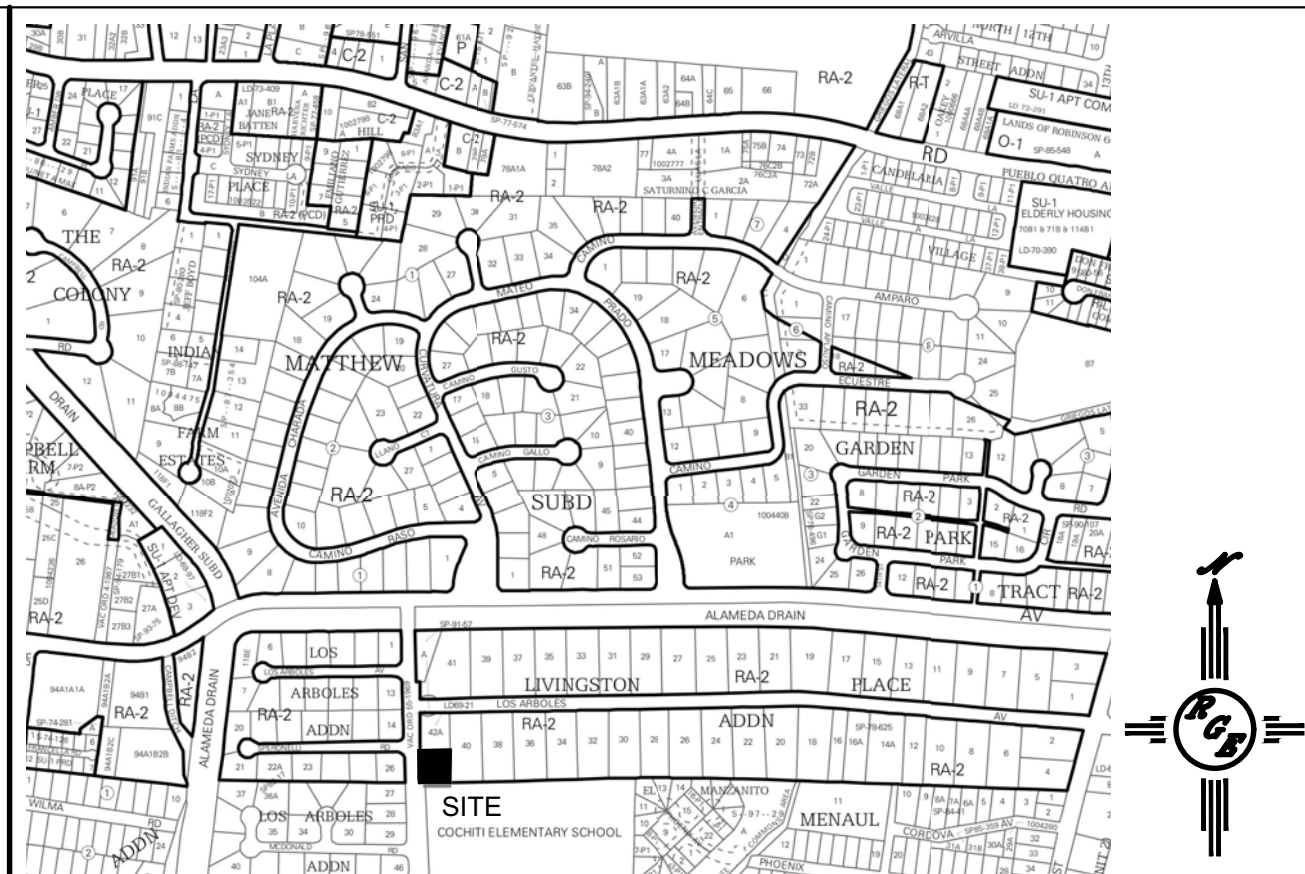
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

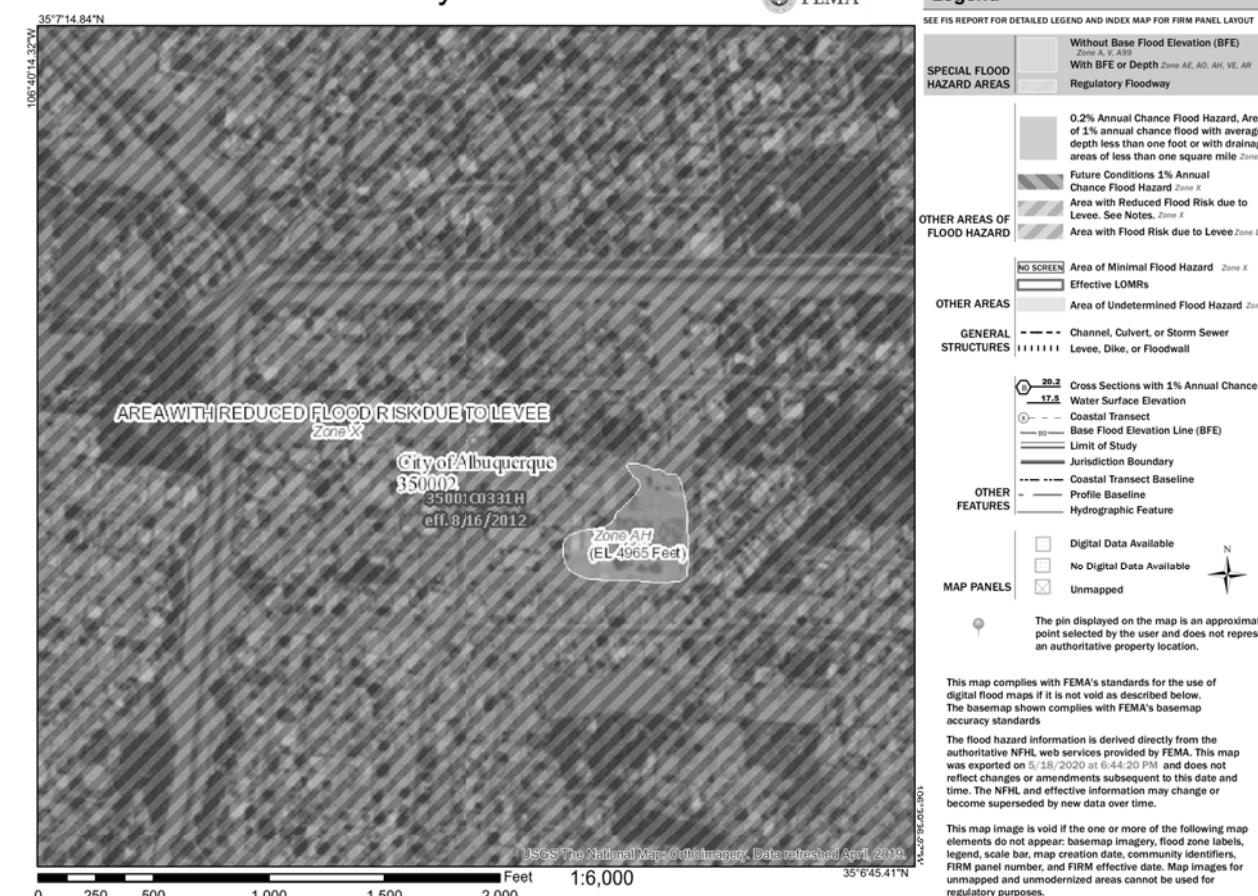
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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.



## National Flood Hazard Layer FIRMette



**LEGAL DESCRIPTION:**

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

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.

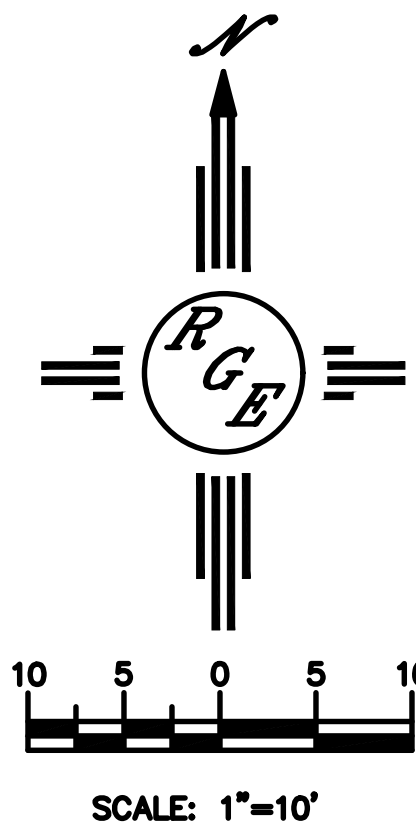
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY  
ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.



4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD  
DATUM 1988.

5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

The diagram illustrates the components of a proposed concrete driveway layout. It includes the following elements:

- EXISTING CONTOUR**: Represented by a dashed line with 'x' marks.
- EXISTING INDEX CONTOUR**: Represented by a solid line with 'x' marks.
- PROPOSED CONTOUR**: Represented by a solid line.
- PROPOSED INDEX CONTOUR**: Represented by a solid line with 'x' marks.
- EXISTING SPOT ELEVATION**: Represented by a small circle with 'xxxx' next to it.
- PROPOSED SPOT ELEVATION**: Represented by a solid black circle with 'xxxx' next to it.
- BOUNDARY**: Represented by a thick solid line.
- PROPOSED FLOW**: Represented by a horizontal arrow pointing right.
- ADJACENT BOUNDARY**: Represented by a dashed line.
- EXISTING CURB AND GUTTER**: Represented by a series of vertical lines.
- PROPOSED CONCRETE DRIVEWAY**: Represented by a rectangular area with a grid pattern and small circles.



ENGINEER'S SEAL	<b>LOT 42-B LIVINGTON PLACE</b> <b>SAN ISIDRO ST N.W.</b>	DRAWN BY DEM
		DATE 5-20-20
5/20/20	<b>GRADING AND DRAINAGE PLAN</b>	LOT 42B LIVINGTON PLACE.DWG
DAVID SOULE P.E. #14522	 <i>Rio Grande</i> <i>Engineering</i> 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0899	SHEET #  <b>C1</b>
		JOB #  _____