CITY OF ALBUQUERQUE

*Planning Department*
Brennon Williams, Director

1706

*Mayor Timothy M. Keller*

December 19, 2019

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

**RE: 833 Dolores Dr. NW**
**Grading and Drainage Plan**
**Engineer's Stamp Date: 12/13/19**
**Hydrology File: J11D040**

Dear Mr. Soule:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 12/13/2019, the Grading and Drainage Plan **is not** approved for Building Permit. The following comments need to be addressed for approval of the above referenced project:

1. As stated on the plans, this site is located in a floodplain (AH – Elev 5907) and must have a floodplain development permit prior to issuing the Building Permit. The permit application must demonstrate zero rise to the base flood elevation, unless a Letter of Map Revision (LOMR) is being prepared. Please contact Rudy Rael, CFM for more information regarding floodplain development permits (rrael@cabq.gov or 924-3977).

2. Since this needs only needs a floodplain development permit, an administration fee of $40 will be required at the time of resubmittal.

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

Sincerely,

Renée C. Brissette

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

1706

# City of Albuquerque

Planning Department
Development & Building Services Division
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 833 DOLORES NW Building Permit #:________ Hydrology File #. ________
DRB#: ________ EPC#: ________ Work Order#: ________
Legal Description: LOT 51 HC GONZALES ADDITION
City Address: 833 DOLORES NW

**Applicant:** ROMAN CHACON 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 X RESIDENCE ___ DRB SITE ___ ADMIN SITE

Check all that Apply:

**DEPARTMENT:**
X HYDROLOGY/ DRAINAGE
___ TRAFFIC/ TRANSPORTATION

**TYPE OF SUBMITTAL:**
___ ENGINEER/ARCHITECT CERTIFICATION
___ PAD CERTIFICATION
___ CONCEPTUAL G & D PLAN
X 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 X No

**TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**
X 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 | Area | Treatment A | | Treatment B | | Treatment C | | Treatment D | | Weighted E | Volume | Flow |
| | (sf) | (acres) | % | (acres) | % | (acres) | % | (acres) | % | (acres) | (ac-ft) | (ac-ft) | cfs |
| ALLOWED | 8680.00 | 0.199 | 100% | 0.199 | 0% | 0.000 | 0% | 0 | 0% | 0.000 | 0.440 | 0.007 | 0.26 |
| PROPOSED | 8680.00 | 0.199 | 0% | 0 | 20% | 0.040 | 32% | 0.0638 | 48% | 0.096 | 1.396 | 0.023 | 0.68 |
| COMPARISON | | | | | | | | | | | | 0.016 | |

**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- zone 1

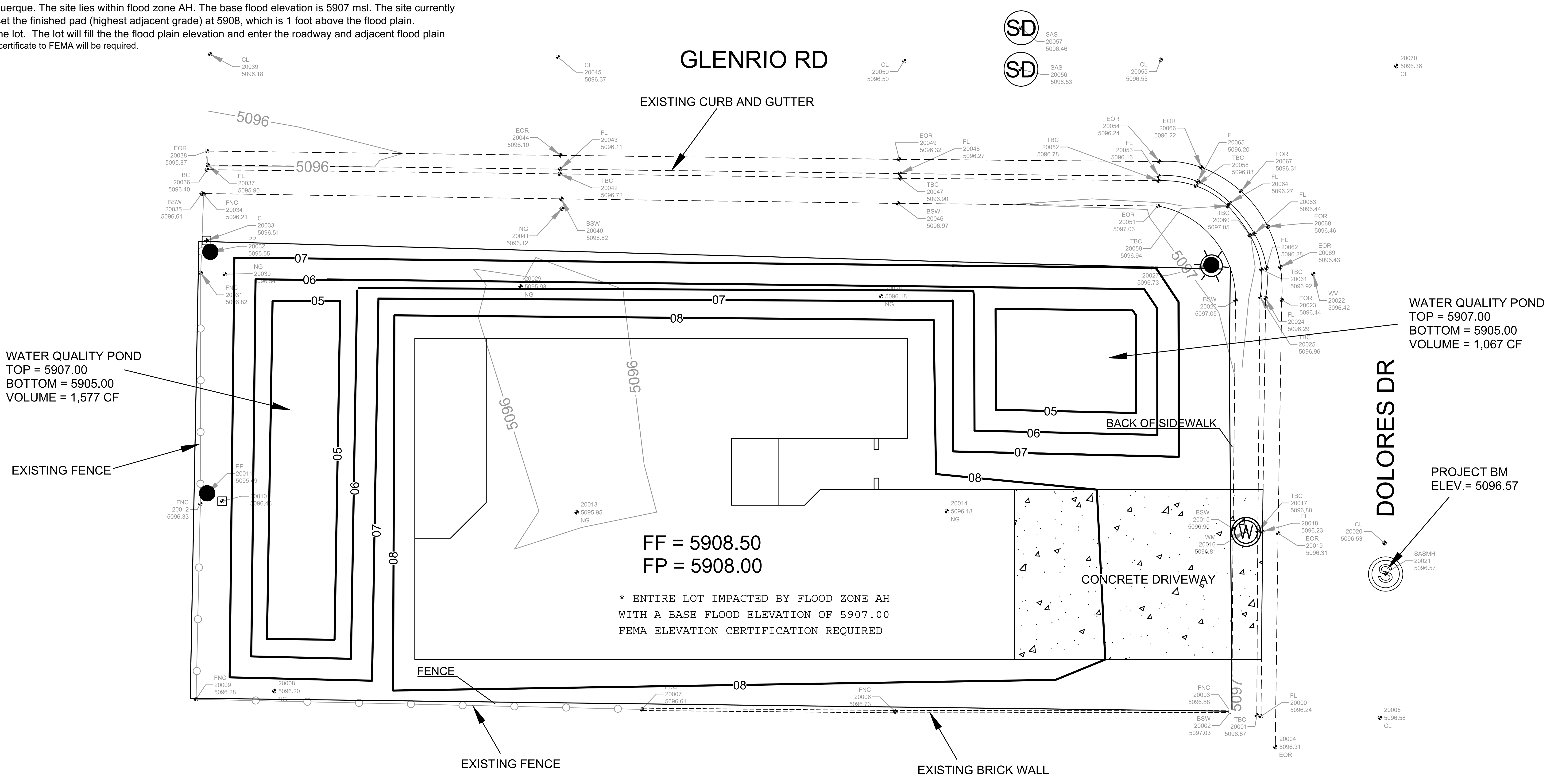
| | |
|---|---|
| Ea= 0.44 | Qa= 1.29 |
| Eb= 0.67 | Qb= 2.03 |
| Ec= 0.99 | Qc= 2.87 |
| Ed= 1.97 | Qd= 4.37 |

ONSITE Conditons
FIRST FLUSH WATER QUALITY VOLUME

| | REQUIRED (CF) | PROVIDED (CF) |
|---|---|---|
| WATER QUALITY | 0 | 2644 |
| FLOOD CONTROL | 1010 | 2644 |

Narrative

This site is within a fully developed area of albuquerque. The site lies within flood zone AH. The base flood elevation is 5907 msl. The site currently does not drain. The proposed development will set the finished pad (highest adjacent grade) at 5908, which is 1 foot above the flood plain.
The site will retain the entire flow generated by the lot. The lot will fill the the flood plain elevation and enter the roadway and adjacent flood plain in the 100 year event. A flood plain permit and elevation certificate to FEMA will be required.



## 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:

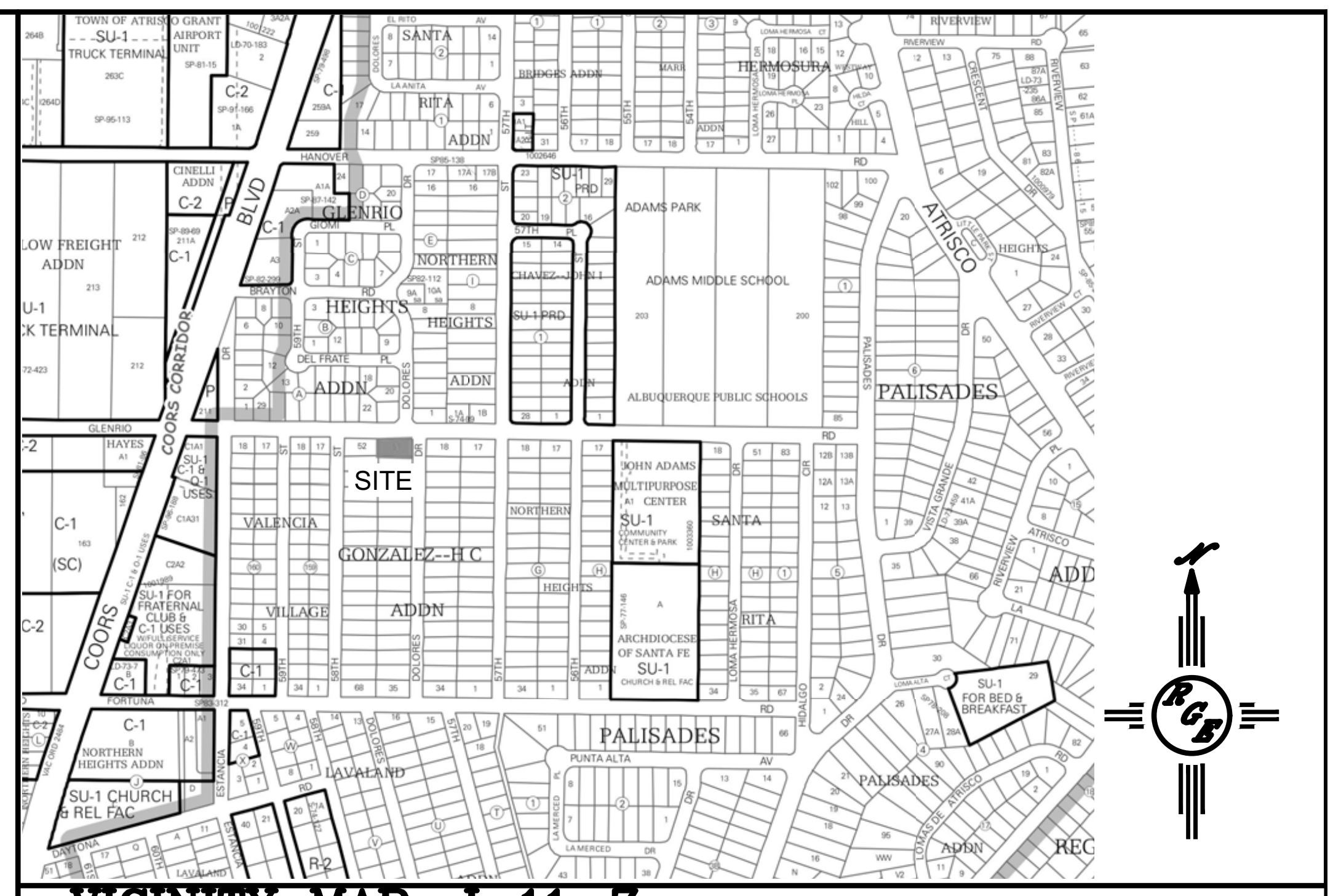
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

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

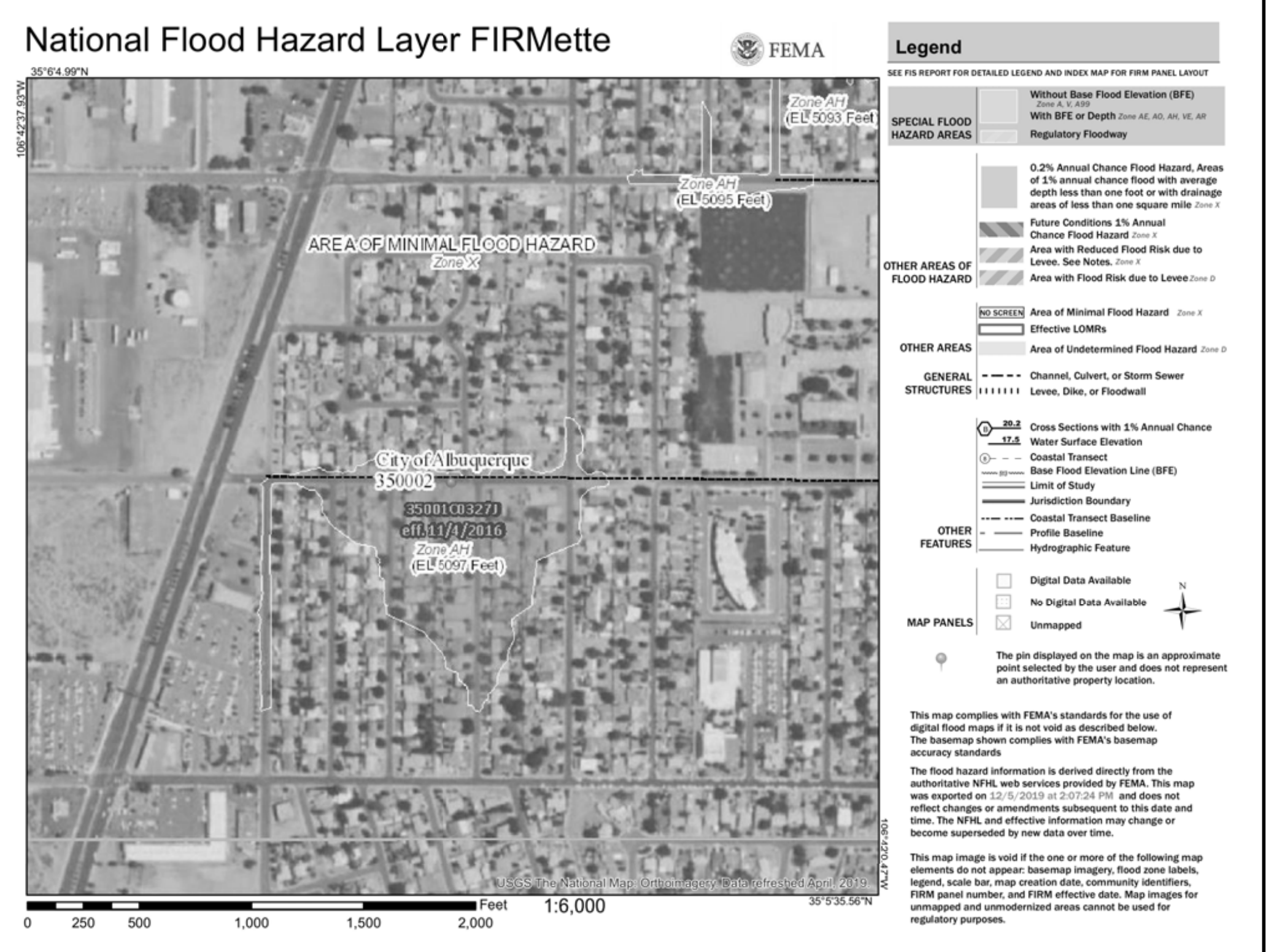
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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: J-11-Z



## FIRM MAP:

## LEGAL DESCRIPTION:

833 DOLORES DR.
CITY OF ALBUQUERQUE COUNTY OF BERNALILLO, NEW MEXICO

## 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.

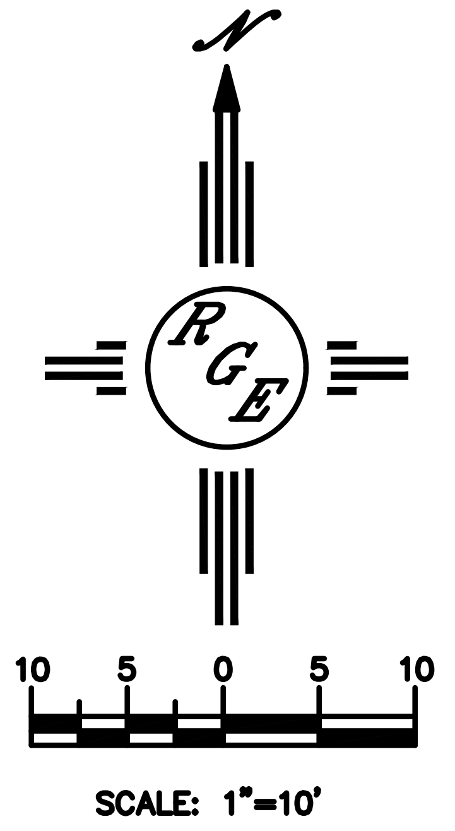
3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

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.

## 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 EARTHEN SWALE |
| — — — — | ADJACENT BOUNDARY |
| ═════ | EXISTING CURB AND GUTTER |
| ▨ | PROPOSED GRAVEL DRIVEWAY |
| ▨ | PROPOSED CONCRETE DRIVEWAY |



SCALE: 1"=10'

| | | |
|---|---|---|
| ENGINEER'S SEAL | 833 DOLORES DR. | DRAWN BY DEM |
| DAVID SOULE<br>14522<br>12/13/19 | GRADING AND DRAINAGE PLAN | DATE 12-12-19 |
| | | 833 DOLORES.DWG |
| | Rio Grande Engineering<br>1606 CENTRAL AVENUE SE<br>SUITE 201<br>ALBUQUERQUE, NM 87106<br>(505) 872-0999 | SHEET # C1 |
| DAVID SOULE<br>P.E. #14522 | | JOB # |