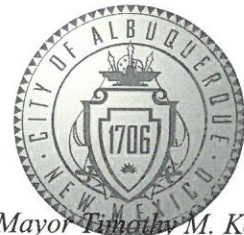


# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor ~~Timothy~~ M. Keller

February 3, 2020

David Soule, P.E.  
Rio Grande Engineering  
PO Box 93924  
Albuquerque, New Mexico 87199

RE: **Lot 5 Block 1 SAD 227**  
**6615 Rimrock Dr. NW**  
**Grading and Drainage Plan**  
**Engineers Stamp Date 1/30/20 (D10D017)**  
**Pad Certification Dated 1/30/20**

Dear Mr. Soule,

Based upon the information provided in your submittal received 1/30/20, this plan cannot be approved for Pad Certification until the following comments are addressed.

PO Box 1293

- Remove the dirt and debris from the street and sidewalk. Make sure that it is swept clean.

Albuquerque

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

NM 87103

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

www.cabq.gov

Ernest Armijo, P.E.  
Principal Engineer, Hydrology  
Planning Department

RR/EA  
C: File D10E074



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 6615 RIMROCK DR NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

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

**Legal Description:** LOT 5 , BLOCK 1 VOLCANO CLIFFS UNIT 28

**City Address:** 6615 RIMROCK DR NW

**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 |              |                 |             |         |             |         |             |         |             |         |                       |                                      |
|-------------------|--------------|-----------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-----------------------|--------------------------------------|
| Basin             | Area<br>(sf) | Area<br>(acres) | Treatment A |         | Treatment B |         | Treatment C |         | Treatment D |         | Weighted E<br>(ac-ft) | 100-Year, 6-hr.<br>Volume<br>(ac-ft) |
|                   |              |                 | %           | (acres) | %           | (acres) | %           | (acres) | %           | (acres) |                       |                                      |
| ALLOWED           | 13651.00     | 0.313           | 0%          | 0       | 24%         | 0.075   | 40%         | 0.1254  | 36%         | 0.113   | 1.266                 | 0.033                                |
| PROPOSED          | 13651.00     | 0.313           | 0%          | 0       | 28%         | 0.088   | 40%         | 0.1254  | 32%         | 0.100   | 1.214                 | 0.032                                |
| COMPARISON        |              |                 |             |         |             |         |             |         |             |         |                       |                                      |
|                   |              |                 |             |         |             |         |             |         |             |         |                       |                                      |
|                   |              |                 |             |         |             |         |             |         |             |         | -0.001                | -0.002                               |

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  
Eb= 0.67  
Ec= 0.99  
Ed= 1.97

Qa= 1.29  
Qb= 2.03  
Qc= 2.87  
Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME

REQUIRED (CF)

PROVIDED (CF)

0

584

WATER QUALITY FLOOD CONTROL

0

584

Narrative

This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway to the east per the master drainage plan. The site dose not exceed the SAD 227 developed conditions assumptions, therefore no ponding is required. Due to hight restrictions we have incorporated ponding to minimize the pad height as much as possible. We are ponding the water harvest volume generated by the site there is no measurable upland flow. This plan is in conformance to the master drainage plan

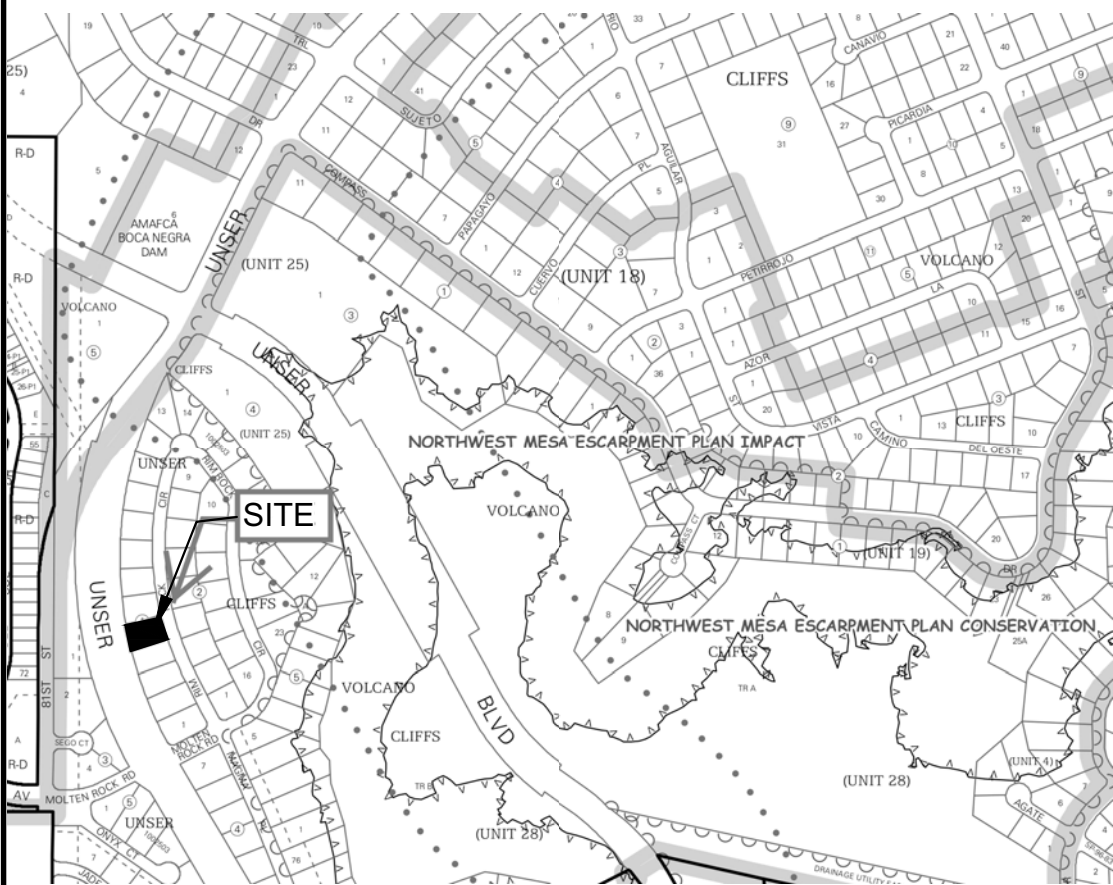
I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 1/30/20



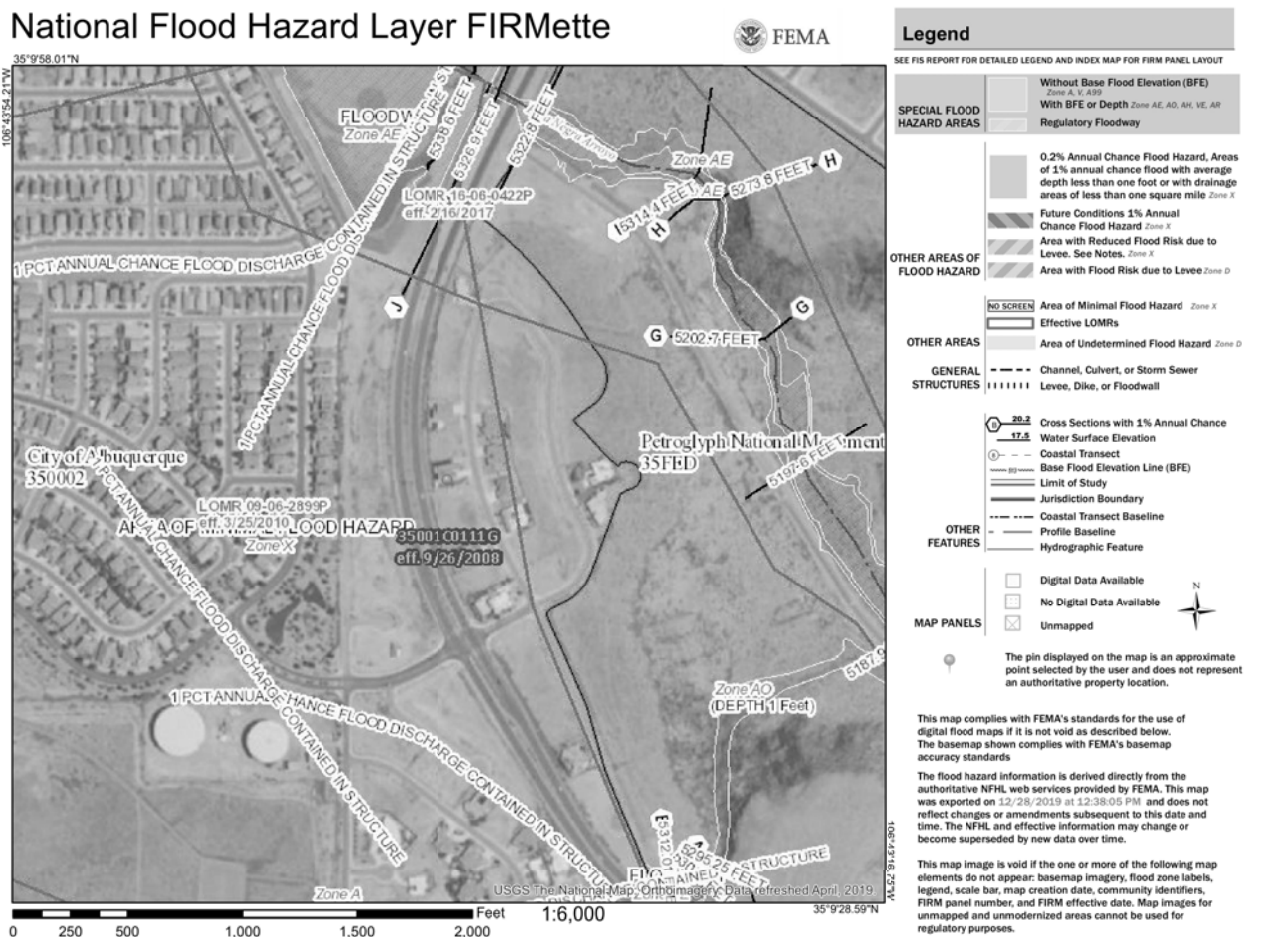
1/30/20

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: D-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

NOTES:

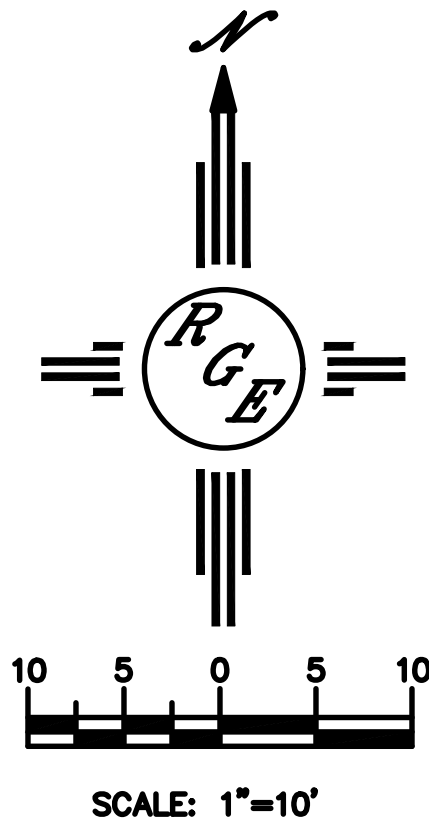
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION 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 EARTHEN SWALE     |
| -----          | ADJACENT BOUNDARY          |
| =====          | EXISTING CURB AND GUTTER   |
| =====          | PROPOSED CONCRETE DRIVEWAY |

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.



|  |                           |                              |
|--|---------------------------|------------------------------|
| ENGINEER'S SEAL  | 6615 RIM ROCK ROAD        | DRAWN BY DEM                 |
| DAVID SOULE<br>NEW MEXICO<br>REGISTERED PROFESSIONAL ENGINEER<br>1/30/20 |                           | DATE 1-30-20                 |
| DAVID SOULE<br>P.E. #14522   | GRADING AND DRAINAGE PLAN | 6615 RIM ROCK RD REVISED.DWG |
|  |                           | SHEET # C1                   |
|  |                           | JOB #                        |