

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

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

**RE: Lot 11 Block 6 Unit 17 Volcano Cliffs SAD 228
6532 Kimmick NW
Grading and Drainage Plan
Engineers Stamp Date 10/28/19 (D10D003M11)
Pad Certification Date 3/24/2021**

Mr. Soule,

Based upon the information provided in your submittal received 8/17/2021, this plan cannot be approved for Building Permit until the following comments are addressed.

PO Box 1293

- Provide erosion protection for the building pad. The building pad is too high and the slope is too steep.

Albuquerque

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

Sincerely,

NM 87103

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6532 KIMMICK NW **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 11 BLOCK 6 VOLCANO CLIFFS UNIT 17
City Address: 6532 KIMMICK

Applicant: DR HORTON **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: _____

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

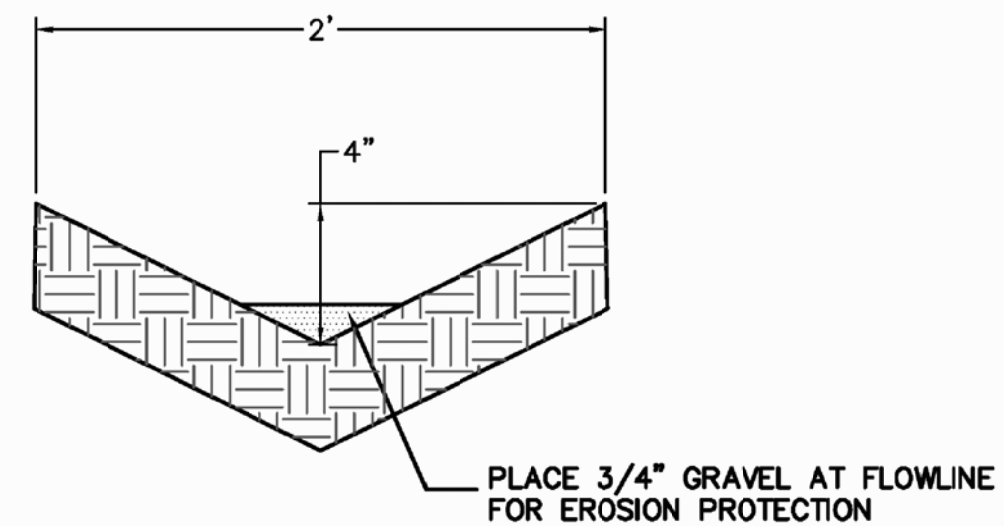
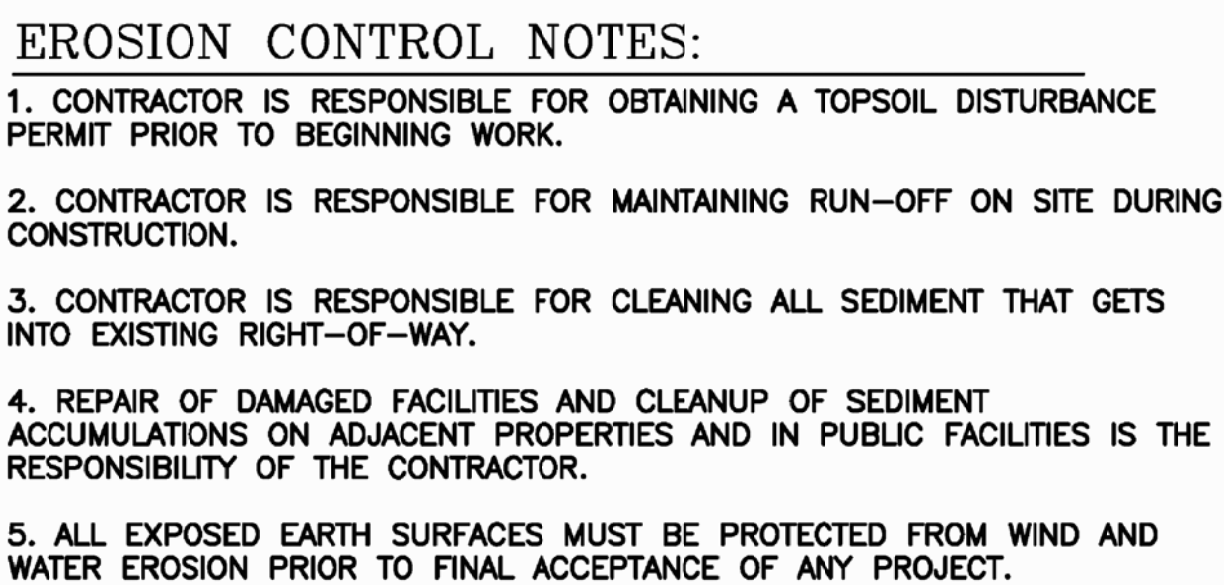
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

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 Conditions		
DRAINAGE SUMMARY		
	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	0	1615
FLOOD CONTROL	31	1615
100-YEAR, 6 HOUR	1578	1615
Narrative		

This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent property to the south to the east per the master drainage plan. The site does exceed the SAD 228 developed conditions assumptions, therefore ponding is required. Due to the site not being able to drain to the street, the rear yard retention pond holds the 6-hour volume. No upland flow enters the site. This plan is in conformance to the master drainage plan

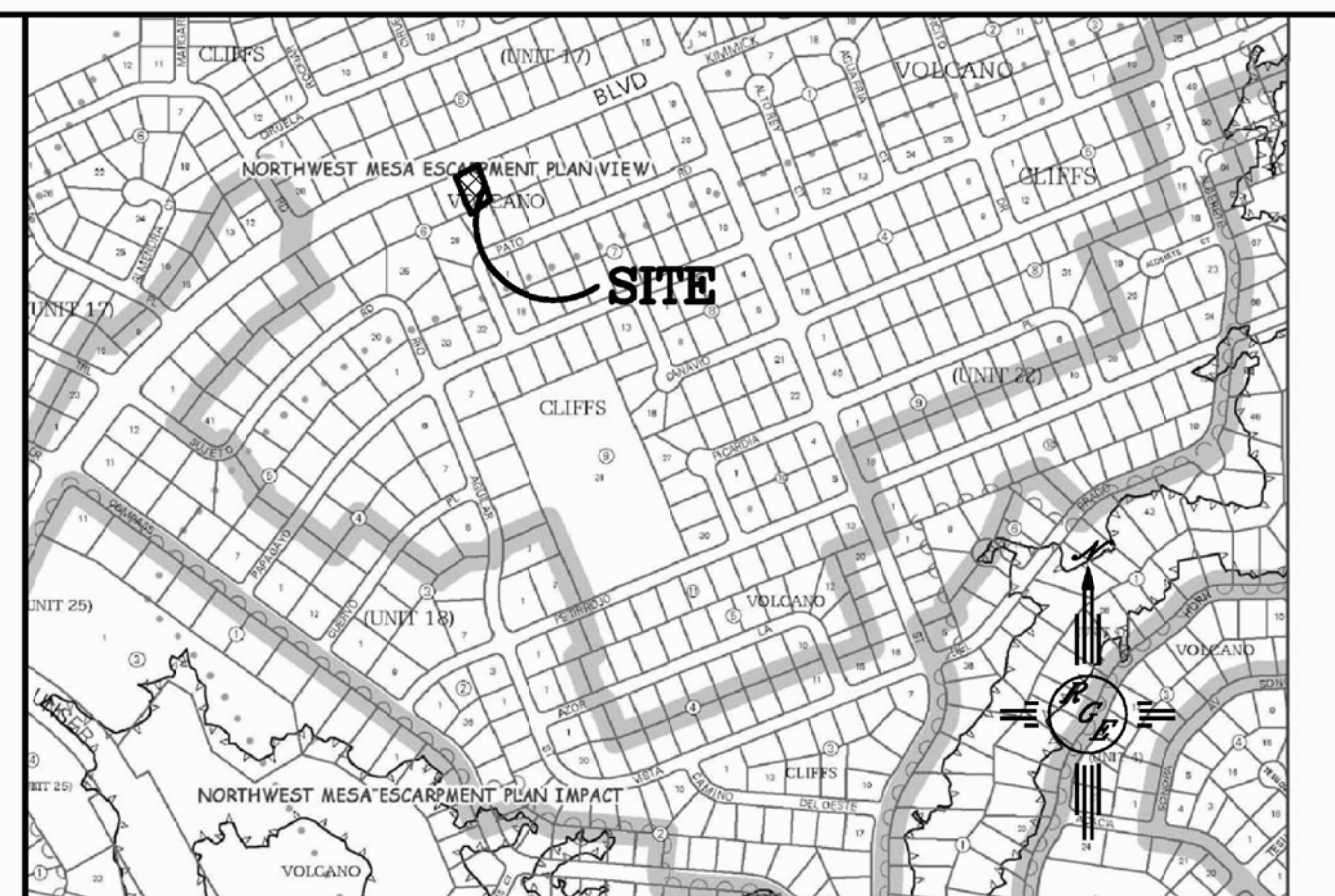


EARTHEN SWALE DETAIL
NTS

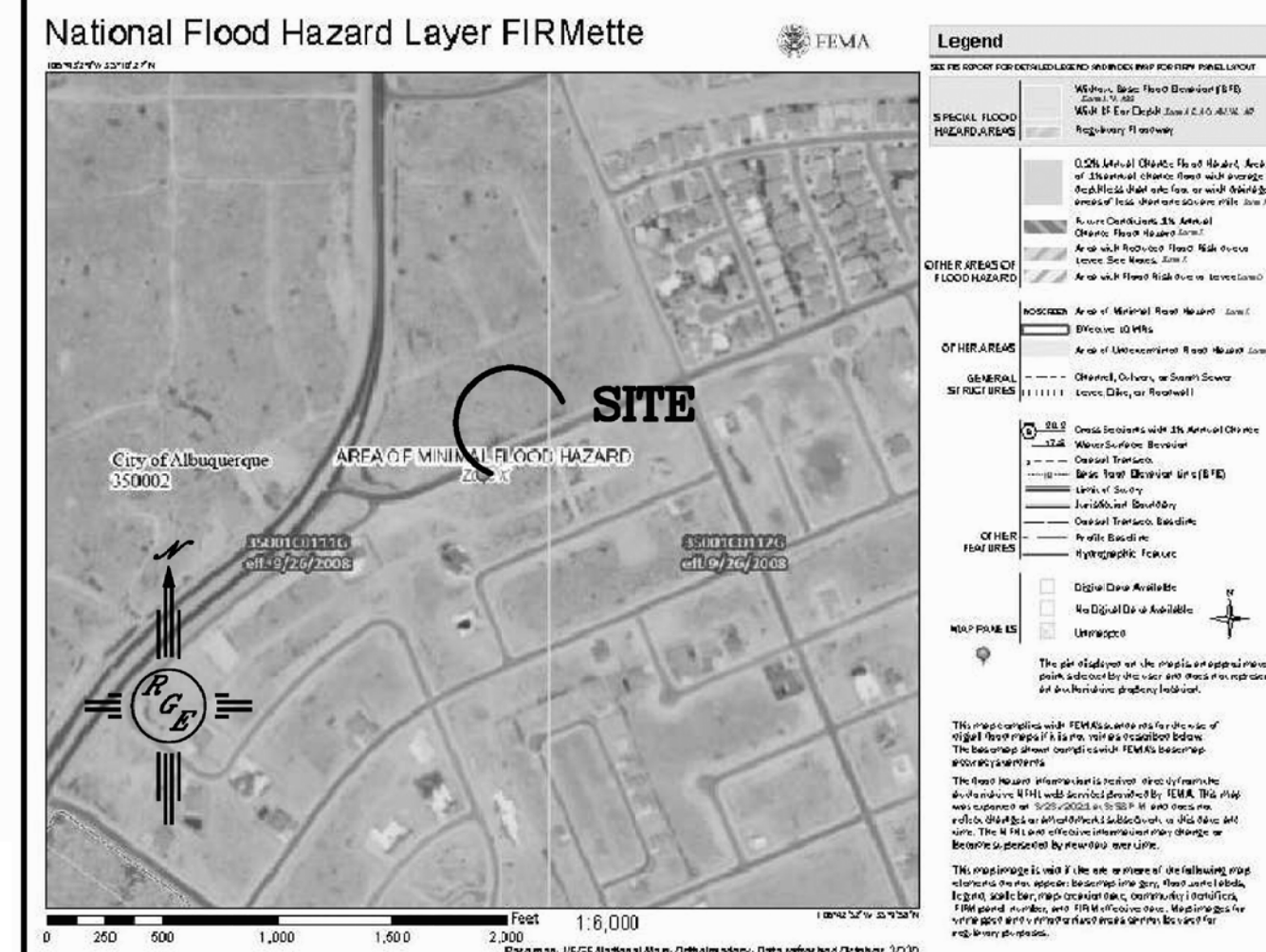
I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 3/24/21



8/14/21



VICINITY MAP: D-10-Z





FIRM MAP:

LEGAL DESCRIPTION:
LOT 11, BLOCK 6, VOLCANO CLIFFS UNIT 22

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.

LEGEND	
-----X-----	EXISTING CONTOUR
-----X-----	EXISTING INDEX CONTOUR
-----X-----	PROPOSED CONTOUR
=====X=====	PROPOSED INDEX CONTOUR
▶	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
.....	LOT LINE
-----	CENTERLINE
-----	RIGHT-OF-WAY
=====	PROPOSED 4" PVC SD
-----	GRAVEL LINED SWALE
=====	EXISTING CURB AND GUTTER
=====	PROPOSED CMU SCREEN WALL-DESIGN BY OTHERS

ENGINEER'S SEAL 	6532 KIMMICK	DRAWN BY WCMJ
	GRADING AND DRAINAGE PLAN	DATE 3-22-21
 <i>Rio Grande</i> <i>Engineering</i> 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0889		210210029-LAYOUT-3-22-21 SHEET # —
DAVID SOULE P.E. #14522	3/24/21	JOB # 21021029

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.