

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

September 4, 2018

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

RE: **Lot 2B Block 6 Unit 18 Volcano Cliffs SAD 228**
6624 Kimmick Rd NW
Grading and Drainage Plan
Engineers Stamp Date 8/5/18 (D10D003M2A)
Pad Certification Dated 8/30/18

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/30/18, this plan is approved for Building Permit.

Please inform the builder to attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology. Also, notify the owner/contractor that a separate permit for any garden wall or fencing is required, and this is the plan to be used for the placement of said fence.

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

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

Sincerely,

James D. Hughes, P.E.
Principal Engineer, Hydrology
Planning Department

RR/JH
C: E-File D10D003M2A



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6624 KIMMICK **Building Permit #:** _____ **Hydrology File #:** D10D003M8
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 2A, BLOCK 6 VOLCANO CLIFFS UNIT 18
City Address: 6624 KIMMICK

Applicant: TWILIGHT HOMES **Contact:** _____
Address: 6624 KIMMICK
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 (sf)	Area (acres)	Treatment A (% (acres))	Treatment B (% (acres))	Treatment C (% (acres))	Treatment D (% (acres))	Weighted (ac-ft)	Volume (ac-ft)	Flow cfs
ALLOWED	16607.00	0.350	0%	0 (0.00)	0.06	0.1433	50%	0.179	1.448
PROPOSED	16607.00	0.350	0%	0 (0.00)	0.06	0.1433	50%	0.179	1.448
total									

Equations:

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

Volume = Weighted D * Total Area

Flow = Qa * As + 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

ONSITE Conditions	FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY FLOOD CONTROL	146 0	456 456

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent property to the south per the master drainage plan. We are ponding more than the required water quality volume generated by the site. There is not significant upland flow. This plan has a shallow water harvested pond in excess of the drainage regulations. This plan is in conformance to the master drainage plan

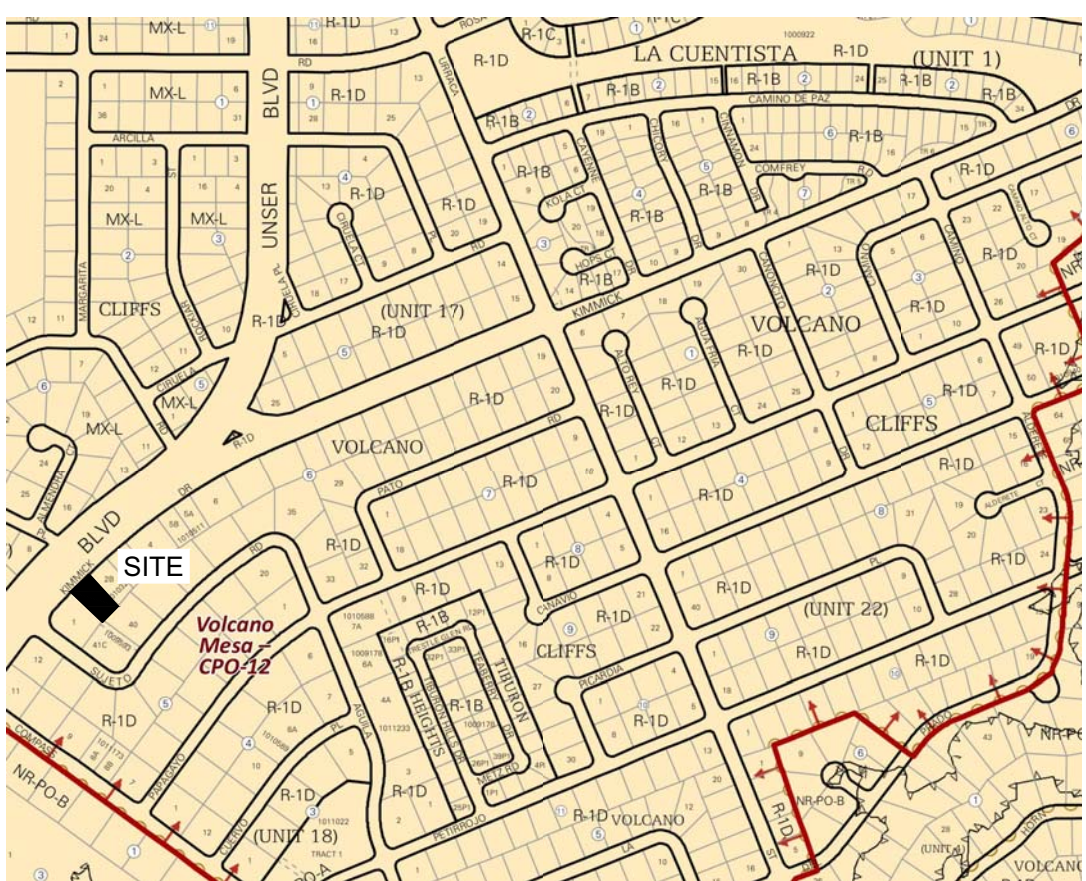
I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 8/15/19



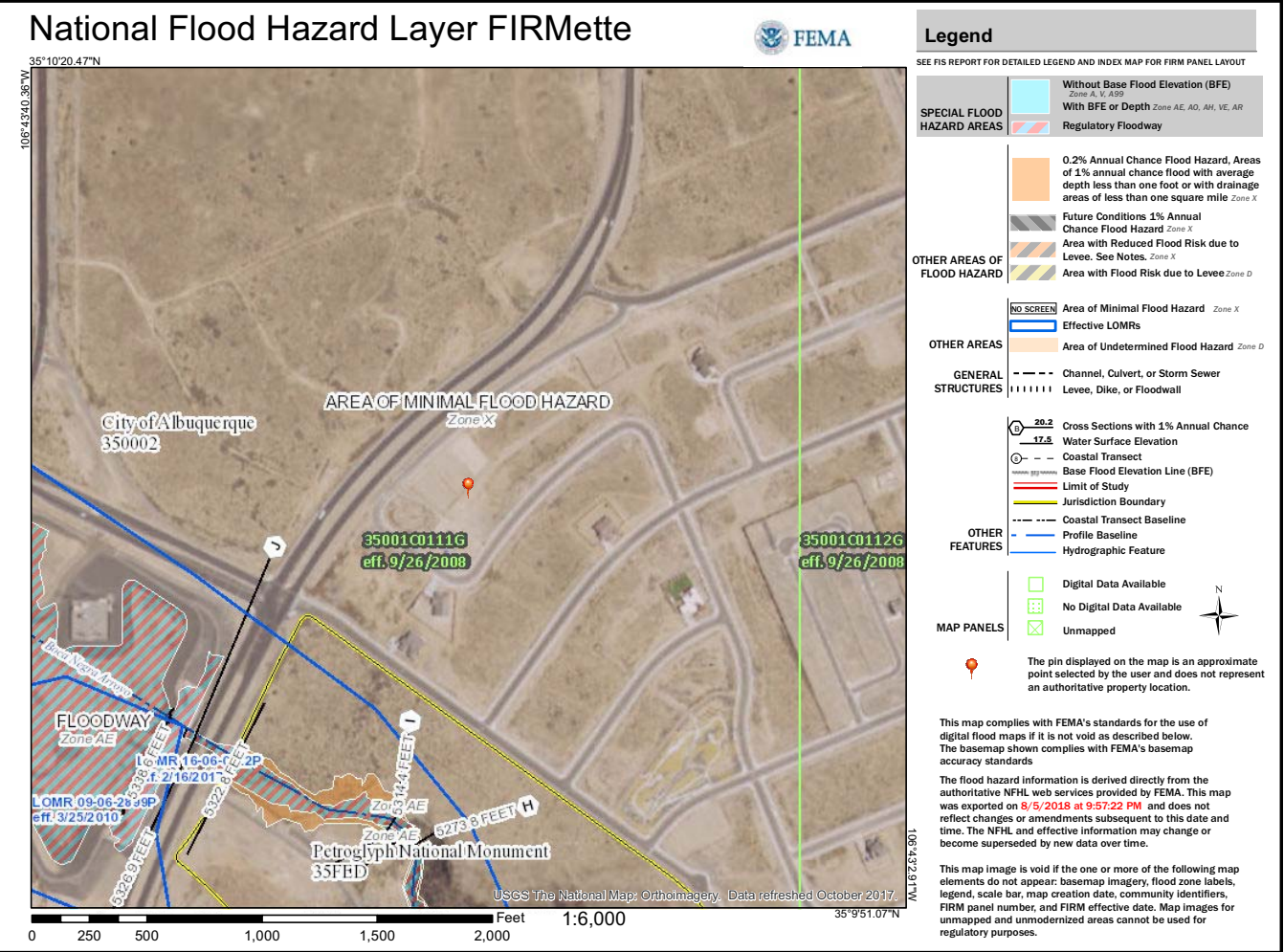
8/30/18

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: D-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 2A, BLOCK 6, UNIT 18, Volcano Cliffs Subdivision

NOTES:

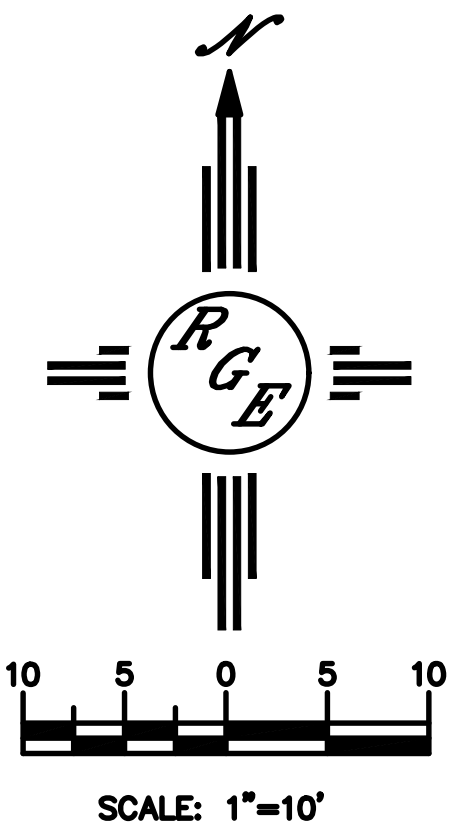
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.


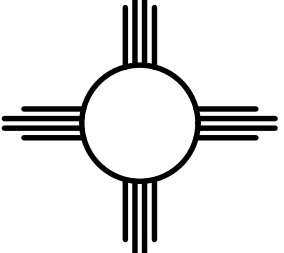
LEGEND

- 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
- [Pattern] PROPOSED CONCRETE DRIVEWAY
- [Pattern] 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	LOT 2A BK 06 UNIT 18 VOLCANO CLIFFS	DRAWN BY DEM
 8/5/18		DATE 8-3-18
		LOT 2A BK 6 UN 18 VOLCANO CLIFFS
		SHEET # C1
		JOB # _____
DAVID SOULE P.E. #14522	 <i>Rio Grande Engineering</i> 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0899	