

CITY OF ALBUQUERQUE

Planning Department

David Campbell, Director



Mayor Timothy M. Keller

May 9, 2018

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

RE: **Lot 18 Block 8 Unser Cliffs SAD 227**
6208 Casa Blanca NW
Grading and Drainage Plan
Engineers Stamp Date 4/13/18 (E10D045)
Pad Certification Date 5/8/18

Dear Mr. Soule,

Based upon the information provided in your submittal received 5/8/18, this plan is approved for Building Permit.

Please inform the builder/owner to attach a copy of this approved plan and this letter to the construction sets in the permitting process prior to sign-off by Hydrology.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan dated 4/13/18.

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/JDH
C: File E10D045



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: 6208 CASA BLANCA NW **Building Permit #:** _____ **City Drainage #:** E10D0045
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: Lot 18, Block 8 volcano cliffs unit 5
City Address: 6208 CASA BLANCA NW

Engineering Firm: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE
Address: PO BOX 93924, ALBUQUERQUE, NM 87199
Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** DAVID@RIOGRANDEENGINEERING.COM

Owner: PAUL SANCHEZ **Contact:** _____
Address: 9450 MODESTO AVE NE
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: none **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

☒ ENGINEER/ ARCHITECT CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

CHECK 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
☐ PRE-DESIGN MEETING
☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 5/8/18 **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

Weighted E Method

										100-Year, 6-hr.		24-hour
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	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
ALLOWED	12104.00	0.278	0%	0	20% 0.056	46% 0.1278	34% 0.094	1.259	0.029	0.89	0.035	
PROPOSED	12104.00	0.278	0%	0	24% 0.067	30% 0.0834	46% 0.128	1.364	0.032	0.93	0.040	

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

FIRST FLUSH WATER QUALITY VOLUME	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	158	923
Flood control	201	923

Narrative

This site is within the SAD 228 Master Drainage plan boundaries. The site is designed to drain the front portion to the street and there rear portion to the historical outfall. The site is not impacted by the any significant upland flows. A turned block is provided to allow upland water to pass. The site will pond in excess of the first flush volume required. 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 4/13/18



5/8/18

6208 Casa Blanca Drive, N.W.
(50' RW - Asphalt)

Back of Curb

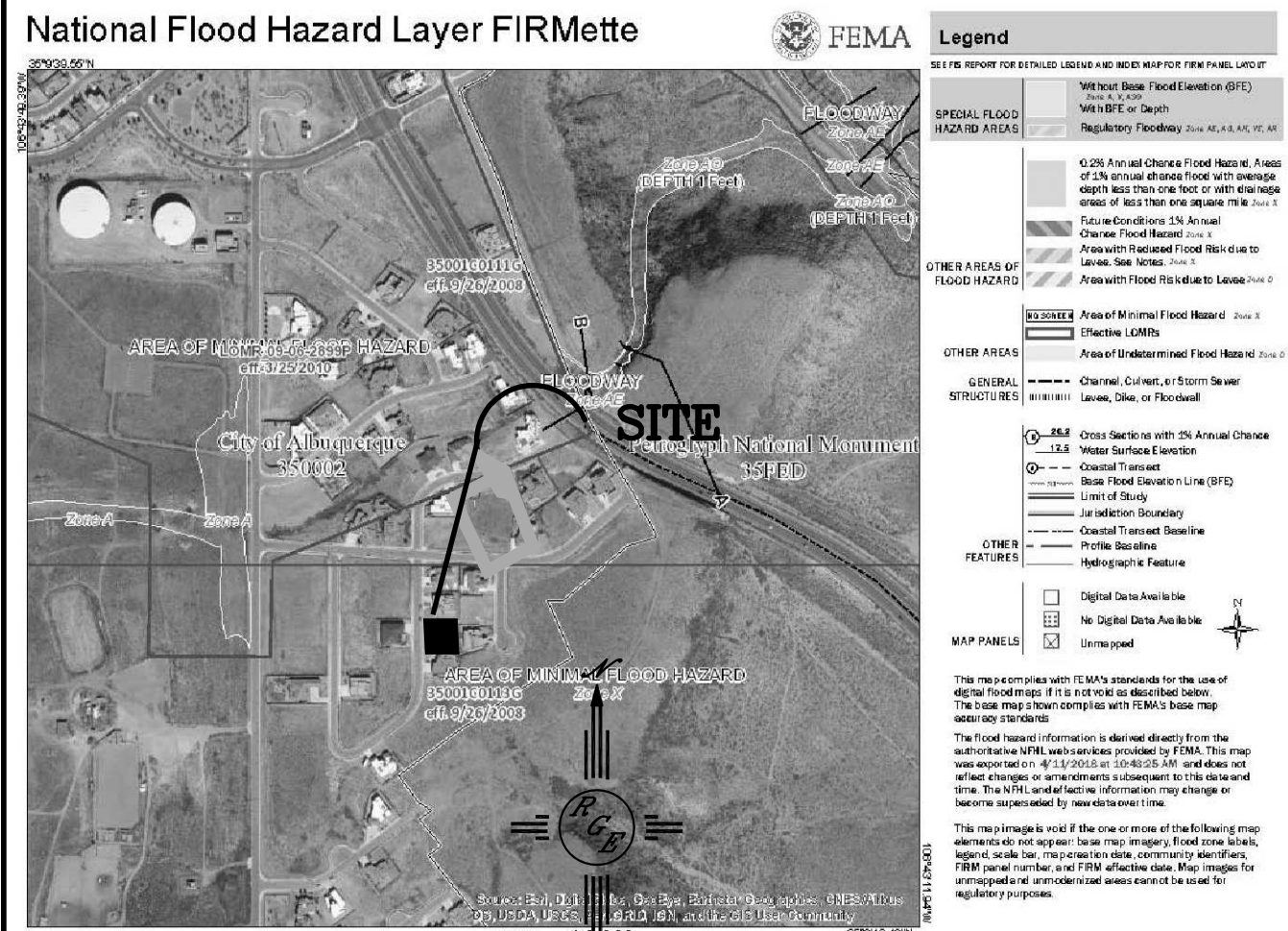
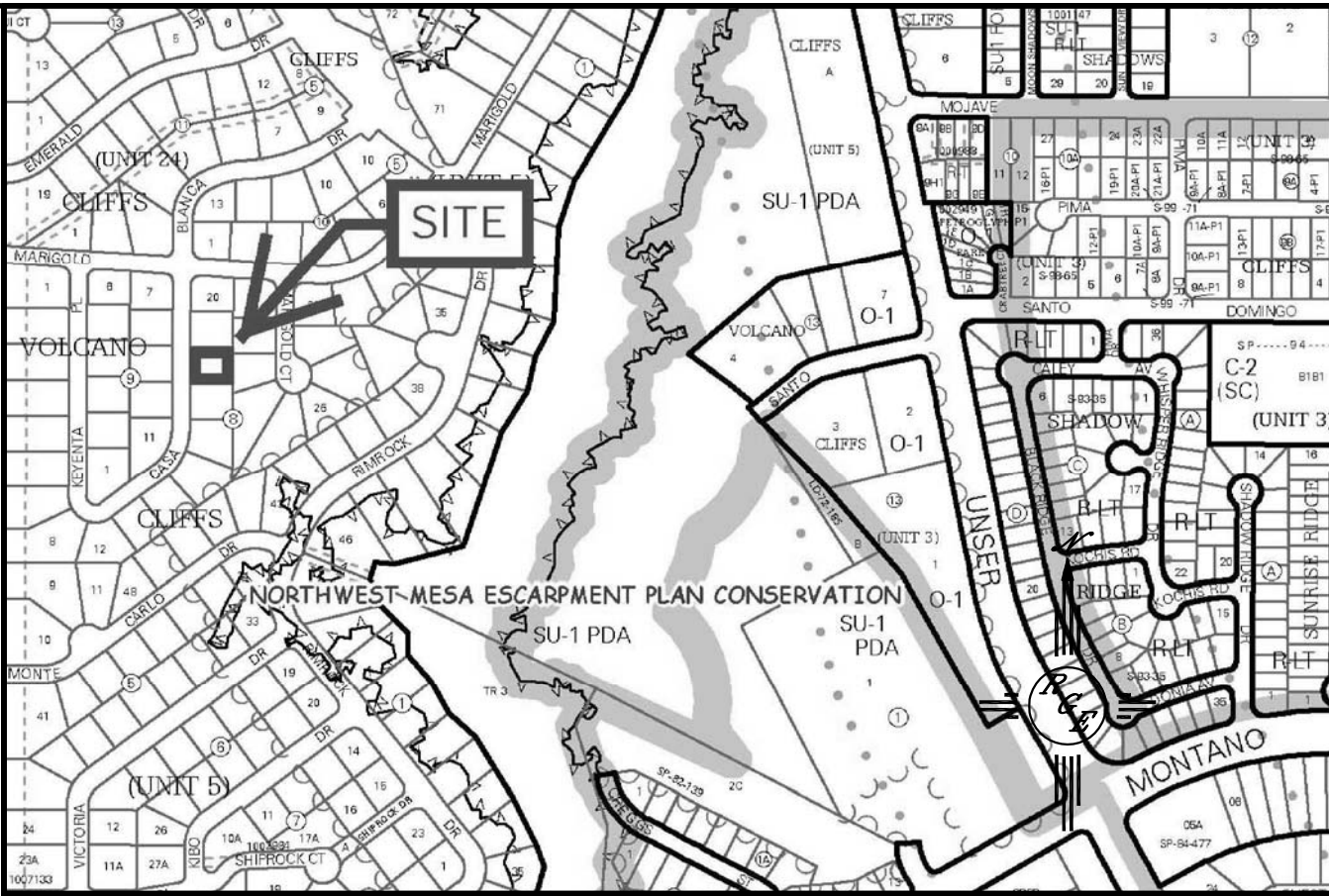
Back of Curb

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.



FIRM MAP:

LEGAL DESCRIPTION:

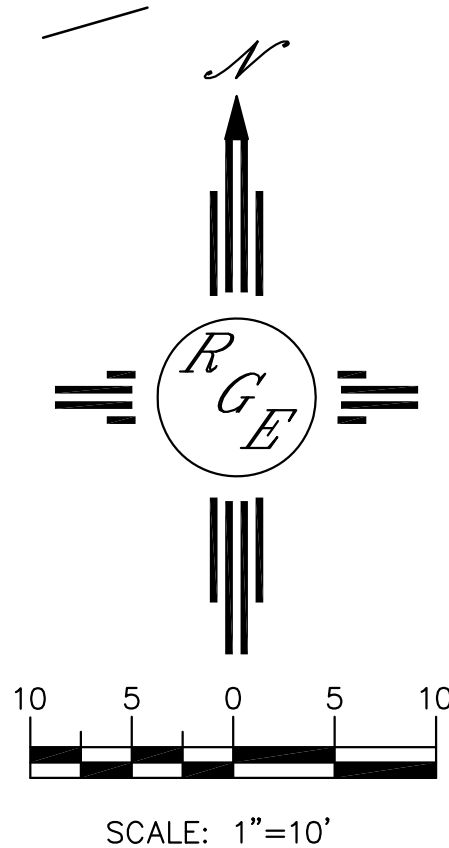
Lot 18, Block 8, Volcano Cliffs Unit 5

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. A PAD CERTIFICATION IS REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT
4. ANY PERIMETER WALLS SHALL BE CONSTRUCTED UNDER A SEPARATE BUILDING PERMIT AND MUST CONFORM TO THE APPROVED GRADING PLAN ALLOWING CROSS LOT DRAINAGE

LEGEND

- XXXX --- EXISTING CONTOUR
- XXXX --- EXISTING INDEX CONTOUR
- XXXX --- PROPOSED CONTOUR
- XXXX --- PROPOSED INDEX CONTOUR
- XXXX --- SLOPE TIE
- + XXXX EXISTING SPOT ELEVATION
- + XXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- === EXISTING CURB AND GUTTER
- PROPOSED CMU SCREEN WALL



ENGINEER'S SEAL 4/13/18 DAVID SOULE P.E. #14522	6208 CASA BLANCA DRIVE	DRAWN BY: WCVJ
	GRADING AND DRAINAGE PLAN	DATE: 4-12-18
 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0989		21888-LAYOUT-4-12-18
		SHEET #
		JOB # 21888