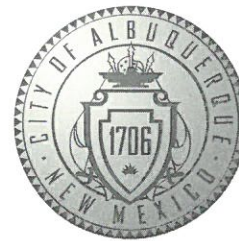


# CITY OF ALBUQUERQUE

Planning Department  
David Campbell, Director



Mayor Timothy M. Keller

September 18, 2018

David Soule, PE  
Rio Grande Engineering  
PO Box 93924  
Albuquerque, NM 87199

RE: **6212 Tesuque NW**  
**Pad Certification for lot 4 Block 8A**  
**Engineers Stamp Date 9/5/18 (E10D049)**  
**Certification Date 9/5/18**

Dear Mr. Soule,

Based upon the information provided in your submittal received 9/11/2018, the above referenced Pad Certification is acceptable for building permit.

Please inform the builder/owner to attach a copy of this approved plan and 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 and Pad Certification.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

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

Sincerely,

Dana Peterson, P.E.  
Senior Engineer, Hydrology  
Planning Department

RR/DP  
C: File E10D049



# City of Albuquerque

Planning Department  
Development & Building Services Division

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

**Project Title:** 6210 TESUQUE DR **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** E10D49  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** lot 4 block 8A volcano cliffs unit 3  
**City Address:** 6210 TESUQUE

**Applicant:** CHRIS AND NICOLE ROMERO **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											
										100-Year, 6-hr.	
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted % (acres)	Volume (ac-ft)	Volume (ac-ft)	Flow cfs	
UPLAND ALLOWED	8886.00	0.204	0%	0%	10%	0.020	40%	0.0816	50%	0.102	1.448
PROPOSED	7725.00	0.177	0%	0%	10%	0.018	40%	0.0709	50%	0.089	1.248
FRONT BASIN	7725.00	0.177	0%	0%	10%	0.018	27%	0.0479	63%	0.112	1.575
REAR BASIN	5944.00	0.136	0%	0%	10%	0.014	14%	0.0191	74%	0.101	1.663
total	1781.00	0.041	0%	0%	36%	0.015	46%	0.0188	24%	0.010	1.169
											0.004
											0.13

#### 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

Qa= 1.29  
Eb= 0.67  
Ec= 0.99  
Ed= 1.97

ONSITE Conditions	FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	138	210
FLOOD CONTROL(total)	82	210
REAR BASIN	174	198
FRONT BASIN	82	95

#### Narrative

This site is within the SAD 224 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the the adjacent roadway per the master drainage plan. We are ponding the water harvest volume generated by the site we are allowing the potential, upland flow to pass thru the site. This plan has a shallow water harvest pond in excess of the drainage regulations. Due to existing walls, the rear yard can't drain, therefore the roof will have gutter system to drain to front and the rear yard will retain 100-year volume

#### TURNED BLOCKS

##### Weir Equation:

$$Q = CLH^{3/2}$$

C = 2.95  
H = 0.5 ft  
L = Length of weir

$$Q = 2.95 * .5 * ((0.5)^{3/2})$$

Each opening is 6"x6"  
Each block has two openings  
Each opening has .52 cfs capacity

Therefore .72 cfs requires 2 openings and 1 turned blocks

6210 TESUQUE DRIVE, N.W.  
(70' R/W)

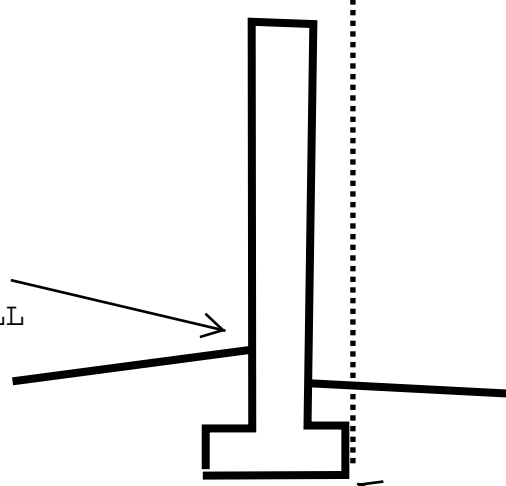
CURB

SUBJECT PROPERTY

#### CAUTION:

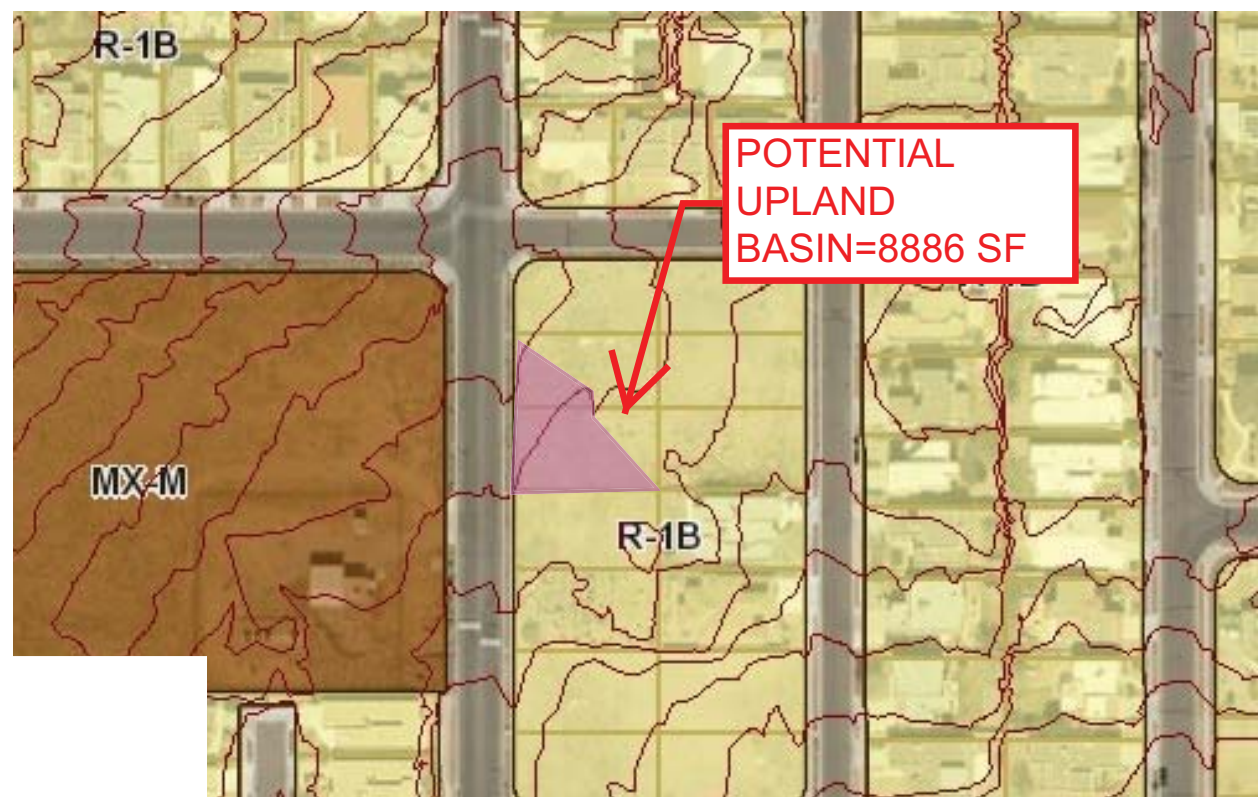
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

MAXIMUM RETAINAGE AGAINST SCREEN WALL SHALL BE 9"



SCREEN WALL DETAIL

WALL AND FOOTING SHALL NOT ENCR OACH ONTO ADJACENT PROPERTY WITHOUT WRITTEN PERMISSION FROM ADJACENT LOT OWNER



POTENTIAL UPLAND BASIN=8886 SF

LOT 5

PROPOSED RESIDENCE

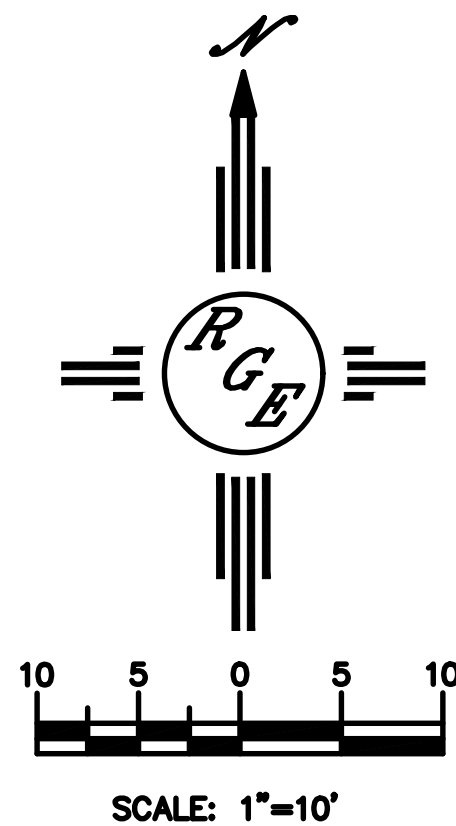
FF=5170.85

FP=5170.35

(ROOF DRAINAGE MUST BE DIRECTED TO THE STREET)

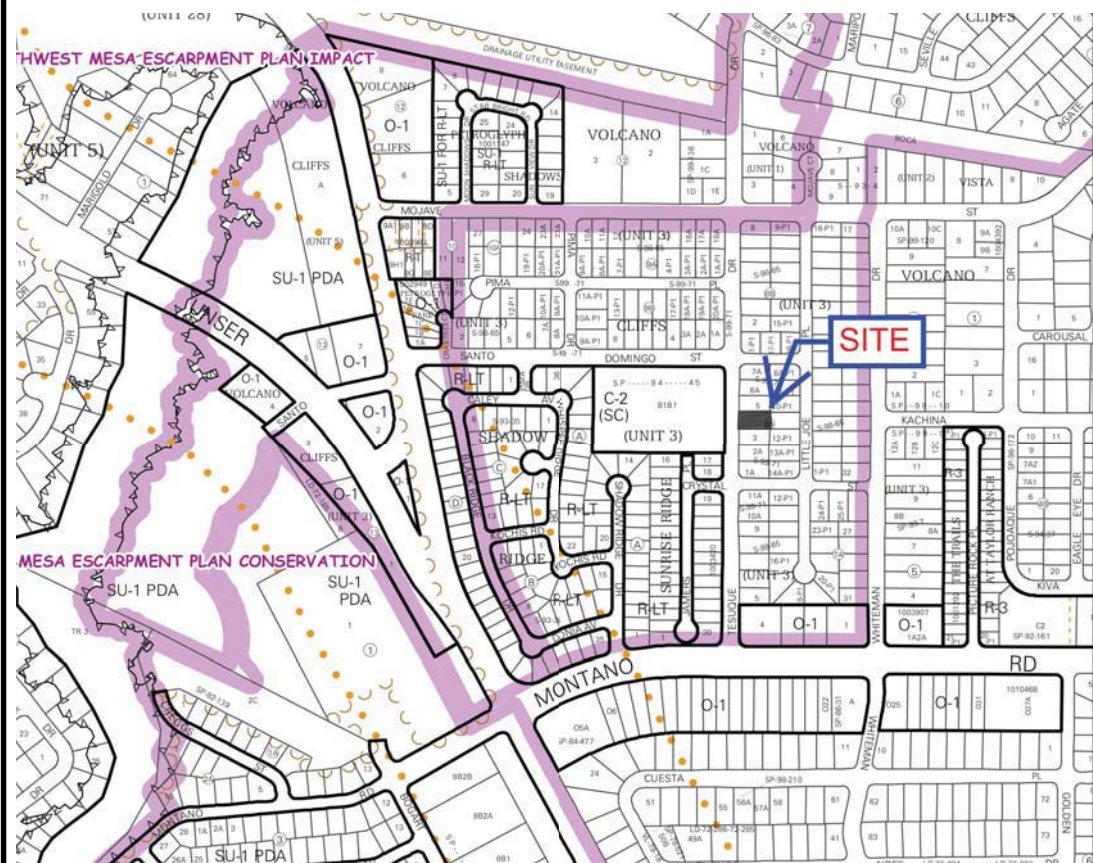
LOT 3

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 9/5/18

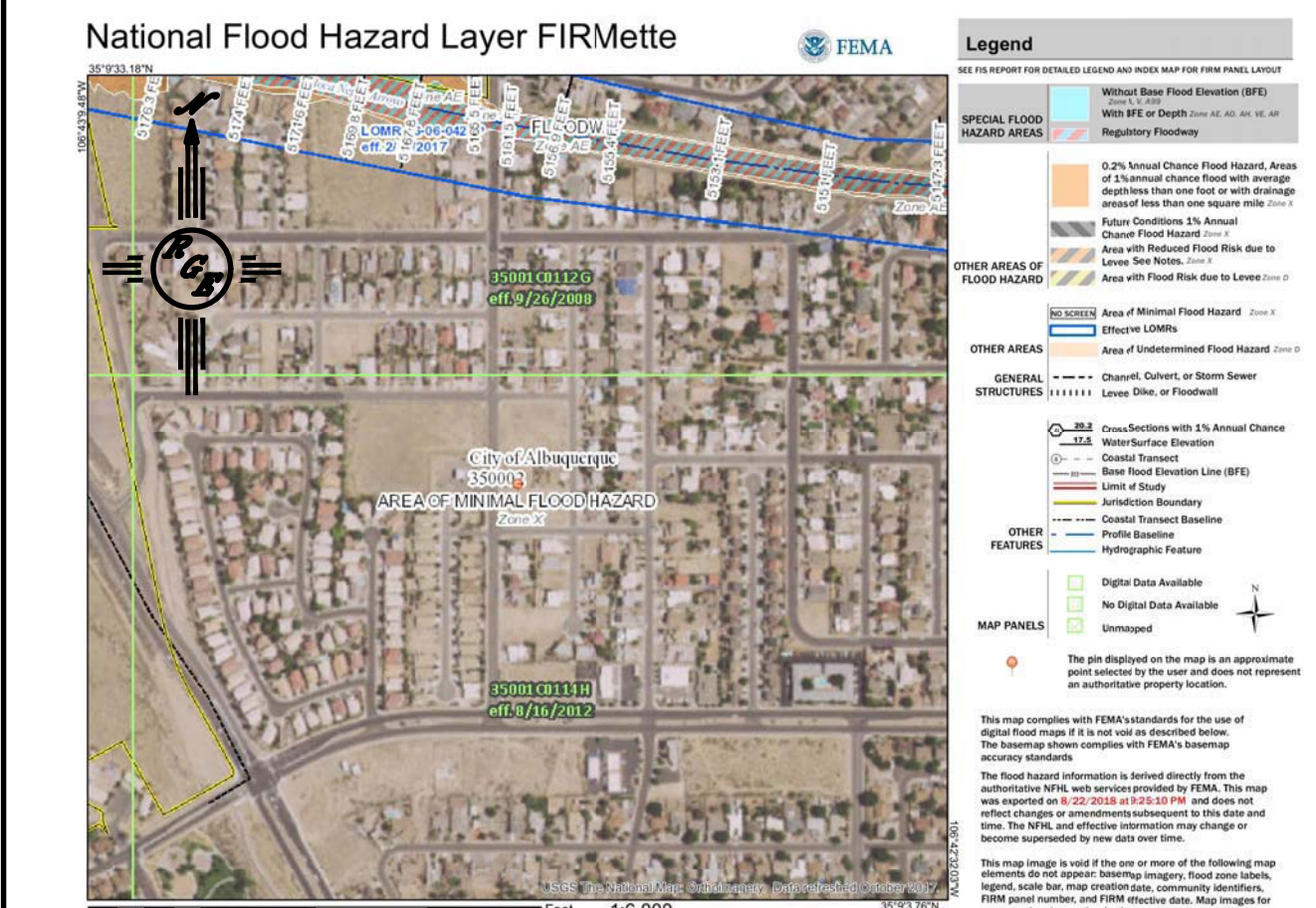


#### EROSION CONTROL NOTES:

- 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: E-10-Z



#### FIRM MAP:

#### LEGAL DESCRIPTION:

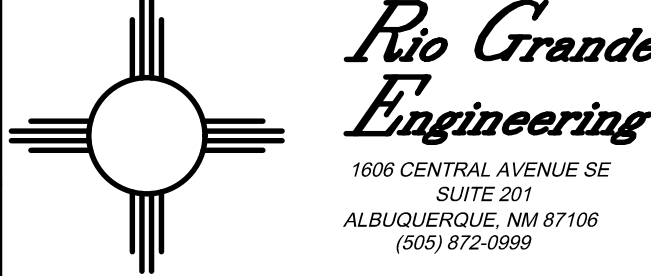
LOT 4, BLOCK 8-A UNIT 3 VOLCANO CLIFFS

#### 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.

#### 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 SCREEN WALL 18" MAX RETAINAGE
---		---	PROPOSED CONCRETE DRIVEWAY

ENGINEER'S SEAL	LOT 4, BLK 8-A U 3 VOLCANO CLIFFS 6210 TESUQUE DRIVE	DRAWN BY DEM
DAVID SOULE REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	DATE 8-7-18
9/5/18	 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	LOT 4 BLOCK 8A (RM) DWG
DAVID SOULE P.E. #14522		SHEET # C1
		JOB #