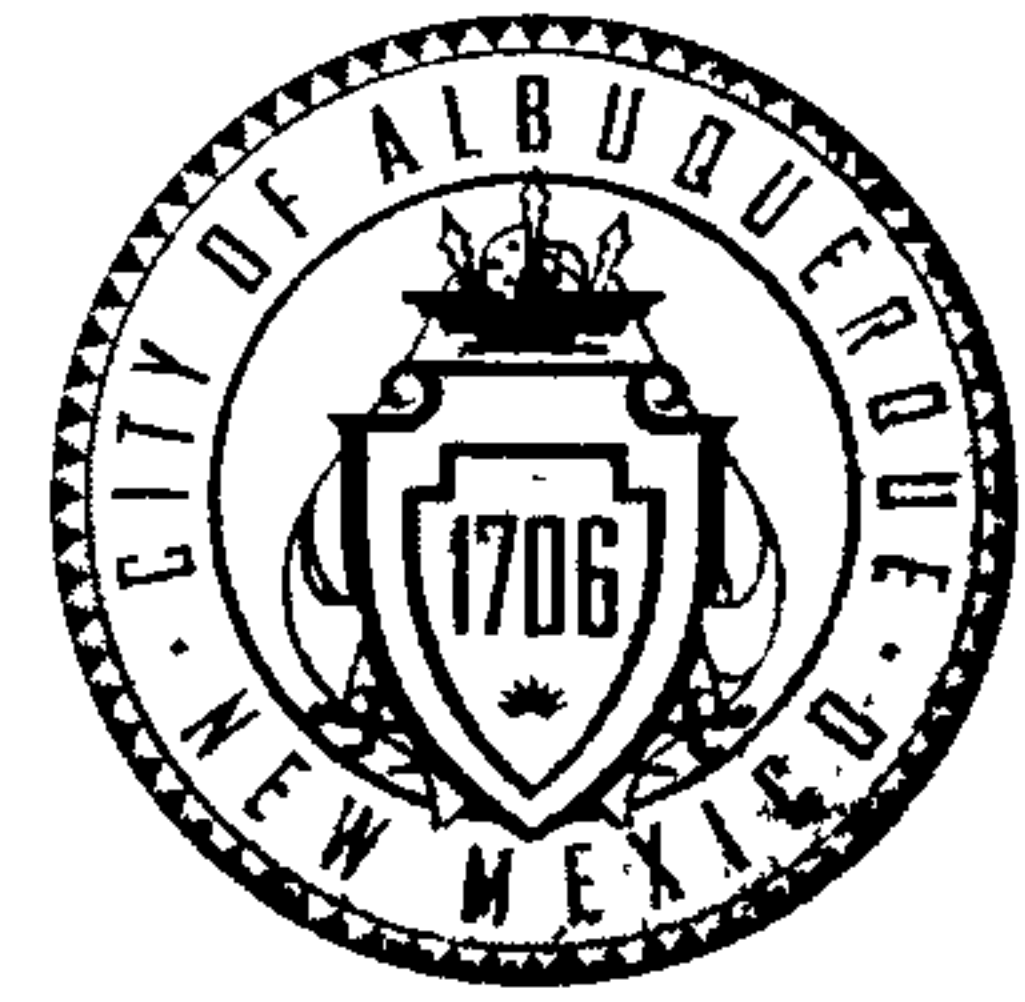


# CITY OF ALBUQUERQUE



*Planning Department*  
Suzanne Lubar, Director

*Mayor Richard J. Berry*

November 3, 2016

David Soule, PE  
Rio Grande Engineering  
1606 Central SE Suite 201  
Albuquerque, NM 87106

**Re: Sosebee Residence**  
**6409 Picardia Pl NW**  
**Request Permanent C.O. - Accepted**  
**Engineer's Stamp dated: 10-27-15 (D10D003E31)**  
**Certification dated: 10-24-16**

PO Box 1293

Dear Mr. Soule,

Albuquerque

Based on the Certification received 10/24/2016, the site is acceptable for release of Certificate of Occupancy by Hydrology.

New Mexico 87103 If you have any questions, you can contact me at 924-3686 or Totten Elliott at 924-3982.

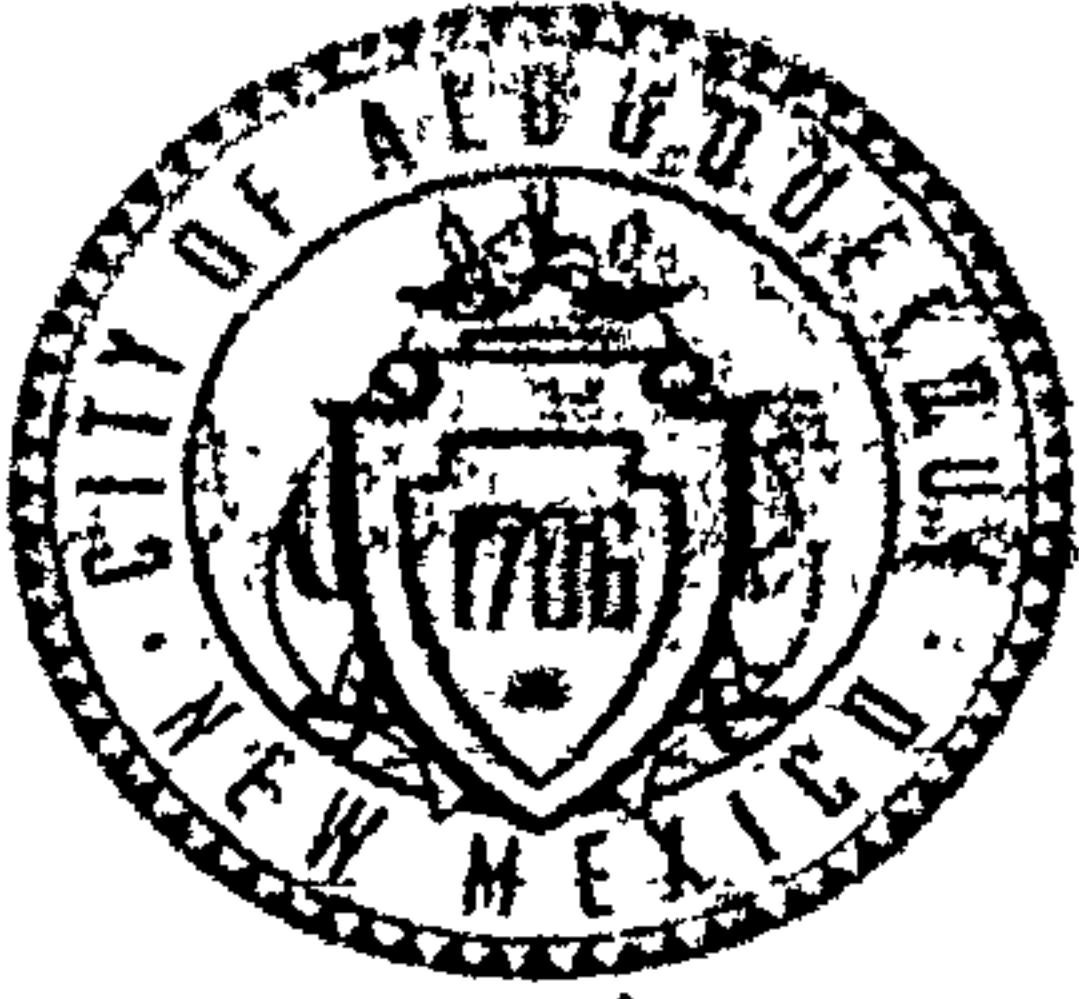
[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Abiel Carrillo, P.E.,  
Principal Engineer, Planning Department  
Development and Review Services

TE/AC

C: email Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Blocker, Lois



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: SOSEBEE RESIDENCE Building Permit #                      City Drainage #: D100003E31  
DRB#:                      EPC#:                      Work Order#:                       
Legal Description: lot 31 block 8 volcano cliffs UNIT 22  
City Address: 6409 PICARDIA PL 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: BAXTER AND REMEDIOS SOSEBEE Contact:                       
Address: 6608 MESA SOLANA PL NW 87120  
Phone#:                      Fax#:                      E-mail:                     

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

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

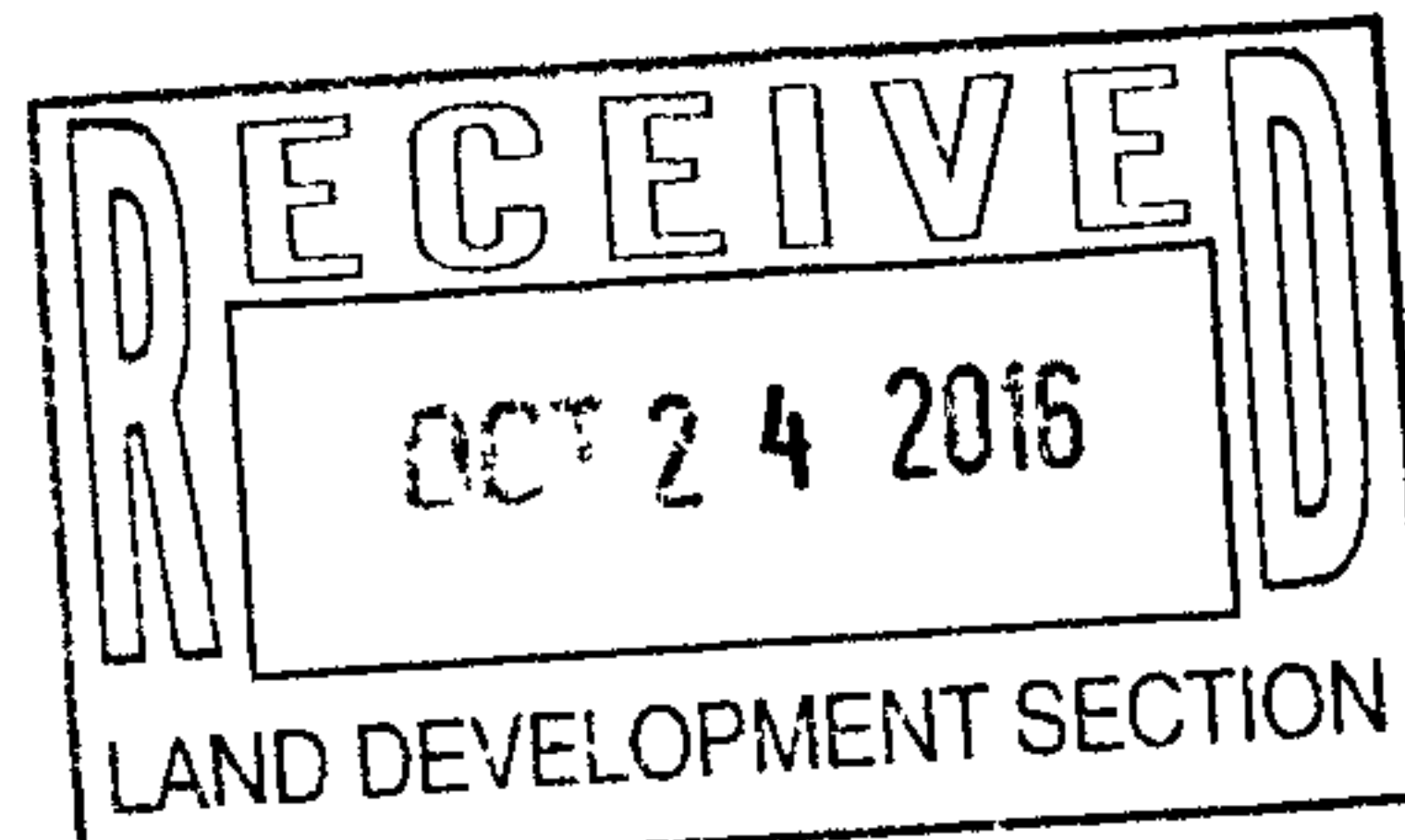
Check all that Apply:

### 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)



### 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)

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: 10/24/16 By:                     

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED.

# CITY OF ALBUQUERQUE

*Planning Department*  
Suzanne Lubar, Director



*Mayor Richard J. Berry*

November 17, 2015

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

RE: Sosebee Residence  
**Lot 31 Blk 8 Unit 22 Volcano Cliffs**  
**6409 Picardia Pl NW**  
**Grading and Drainage Plan**  
**Engineers Stamp Date 10/27/15 (D10D003E31)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 10/28/15, this plan is approved for Grading Permit and Building Permit.

PO Box 1293

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Albuquerque

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

New Mexico 87103

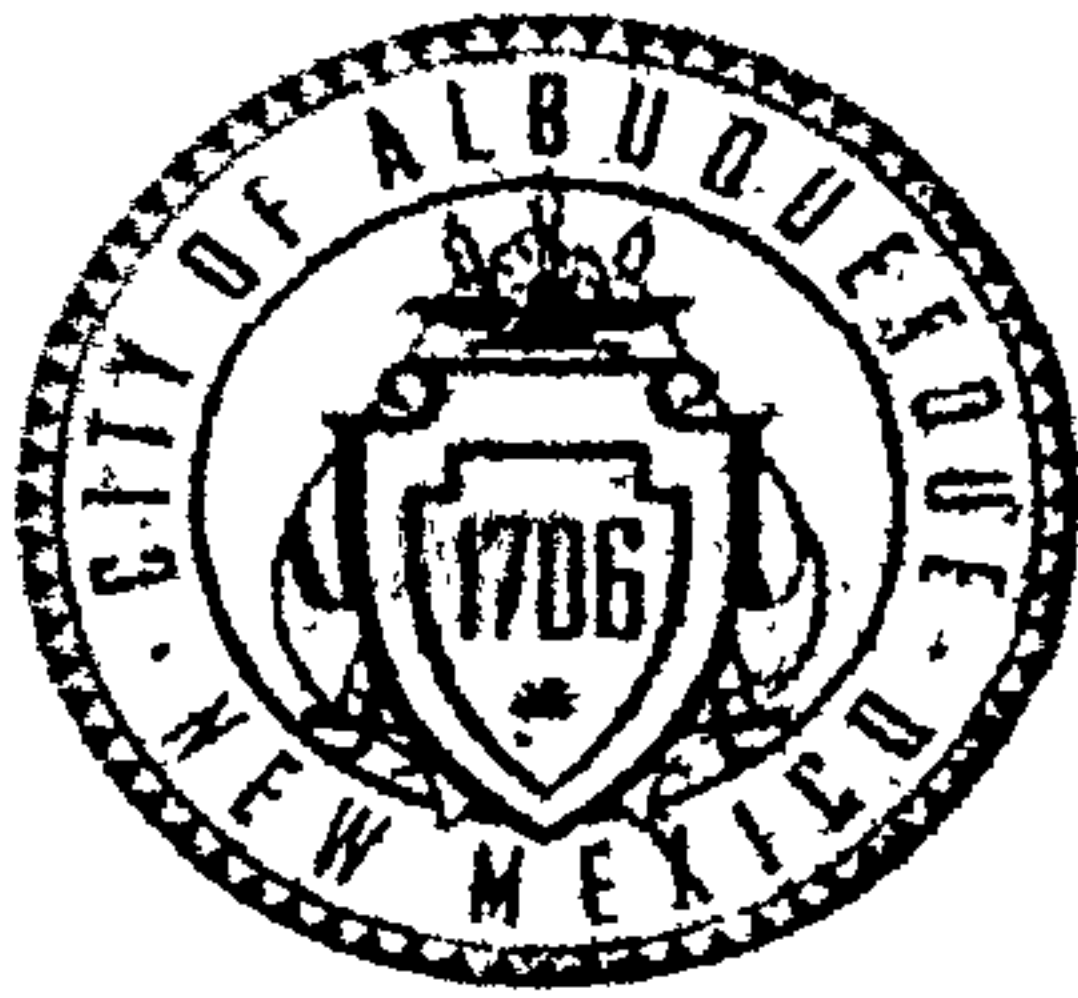
If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Rita Harmon, P.E.  
Senior Engineer, Hydrology  
Planning Department

RR/RH  
C: File



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: SOSEBEE RESIDENCE Building Permit #: \_\_\_\_\_ City Drainage #: D100063E3  
DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: lot 31 block 8 volcano cliffs UNIT 22  
City Address: 6409 PICARDIA PL 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: BAXTER ADN REMEDIOS SOSEBEE Contact: \_\_\_\_\_  
Address: 6608 MESA SOLANA PL NW 87120  
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) \_\_\_\_\_

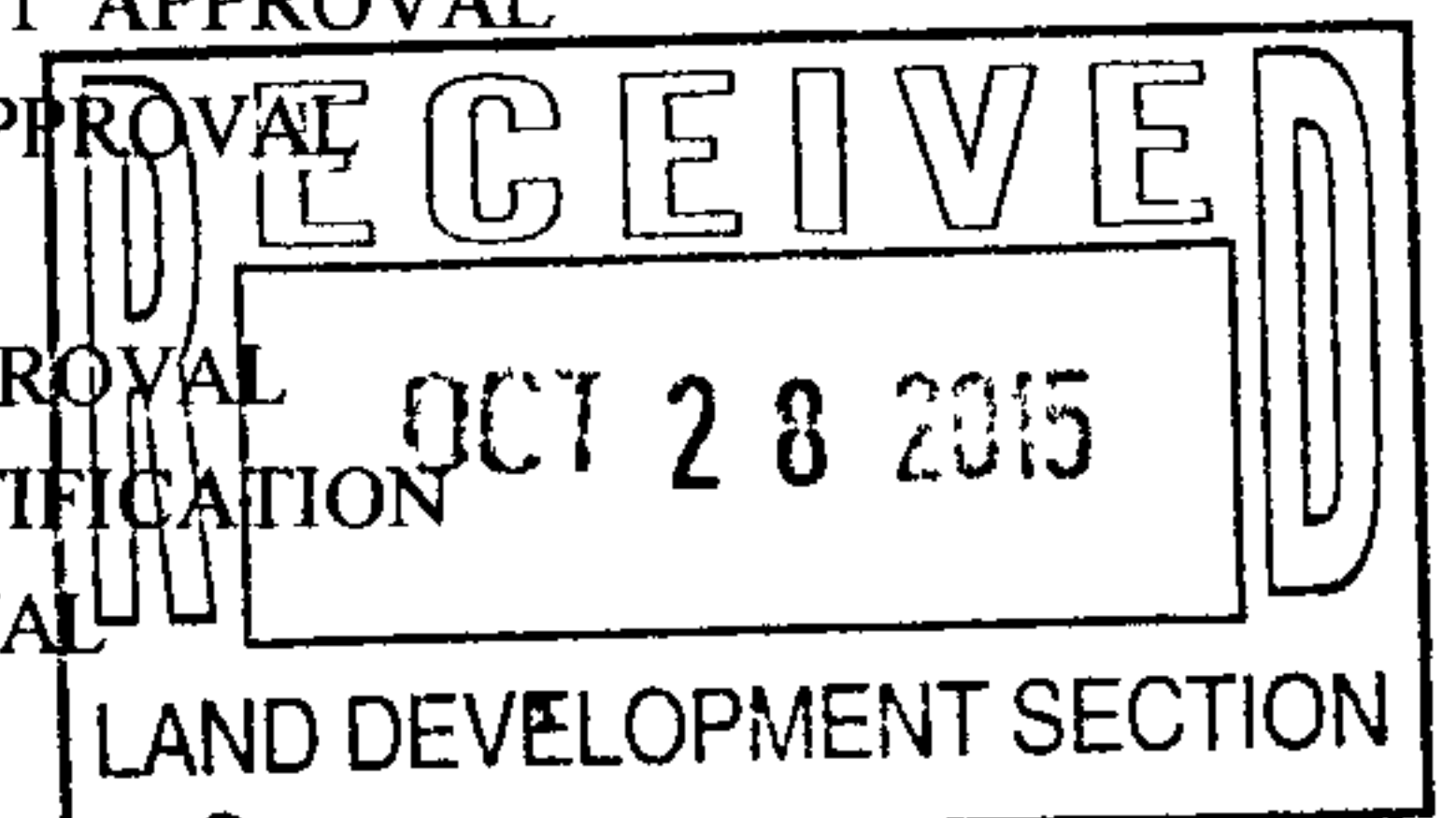
IS THIS A RESUBMITTAL? ☒ Yes ☒ No

DATE SUBMITTED: 10/27/15 By: \_\_\_\_\_

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) \_\_\_\_\_



*Final \$ 50.00*

COA STAFF ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_



RIO GRANDE ENGINEERING OF NEW MEXICO, LLC

October 27, 2015

Ms Rita Harmon  
Hydrology Department  
Planning Department  
City of Albuquerque

**RE: Grading and Drainage Plan  
Lot 31, Block 8, volcano cliffs unit 8  
6409 Picardia Place NW**

Dear Ms Harmon:

The purpose of this letter is to accompany the attached drainage submittal. The grading plan has been prepared based upon the SAD 228- Volcano Cliffs Master Drainage Plan Criteria. The proposed improvement will generate less than the developed condition assumptions of the DMP. This site is impacted by .83 cfs of upland flow. The proposed development will include 772 cubic foot water harvesting pond in the rear yard, which exceeds the 186 cubic foot volume required. The site will allow the upland flow to enter the site, via turned blocks at the rear of the site, combine with the .51 cfs generated on site and discharge 1.34 cfs to the rear of the adjacent lot, which is the historical and allowed outfall for this lot.

Should you have any questions regarding this submittal, please do not hesitate to call me.

Sincerely,



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

### Weighted E Method

Basin	Area (sf)	Area (acres)									100-Year, 6-hr.		
			Treatment A		Treatment B		Treatment C		Treatment D		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
			%	(acres)	%	(acres)	%	(acres)	%	(acres)			
UPLAND	10226.00	0.235	0%	0	10%	0.023	40%	0.093903	50%	0.117	1.448	0.028	0.83
NATIVE	22593.00	0.519	80%	0.41493	10%	0.052	10%	0.051866	0%	0.000	0.518	0.022	0.79
ALLOWED	22593.00	0.519	0%	0	10%	0.052	40%	0.207466	50%	0.259	1.448	0.063	1.83
PROPOSED	22593.00	0.519	0%	0	29%	0.150	42%	0.217839	29%	0.150	1.181	0.051	1.59
INCREASE												0.029	
total													

#### Equations:

Weighted E =  $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$  / (Total Area)

Volume = Weighted D \* Total Area

Flow =  $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

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

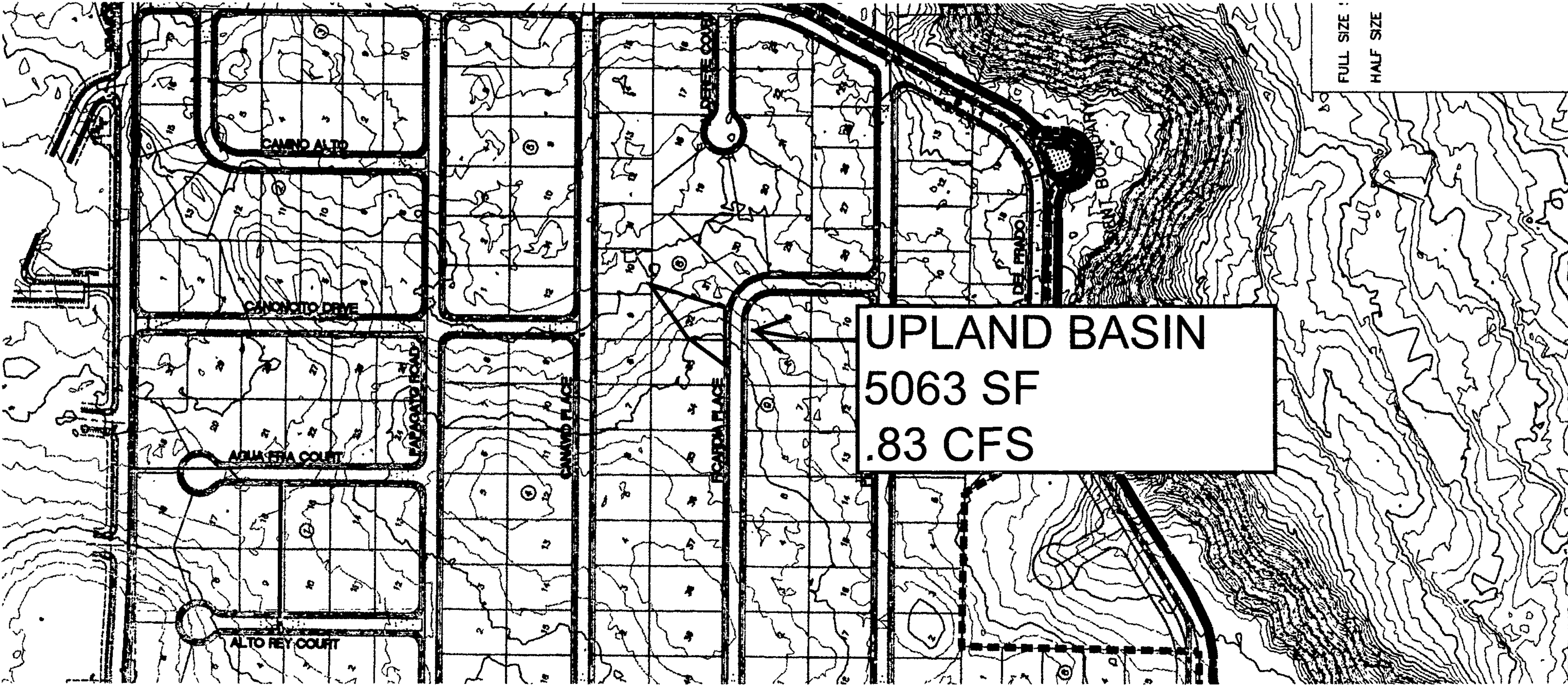
ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME

	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	186	772

#### Narrative

This site is within the SAD 228 Master Drainage plan boundaries. The site is to drain to the the adjacent lot per the master drainage plan. We are ponding the water harvest volume generated by the site we are allowing the minor upland flow to pass thru the site. This plan has a shallow water harvest pond per the drainage regulations: This plan is in conformance to the masterplan



UPLAND BASIN  
5063 SF  
.83 CFS

LEGENDS:

- SILT FENCE
- PETROGLYPH NATIONAL MONUMENT
- FORM WATER PERMITTING 1- LS.
- CONTROL SILT FENCE.