

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

June 28, 2017

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

**Re: Abrazo Homes
Lot 4 Block 10 Unit 22 SAD 228
6420 Petirrojo NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 11-3-16 (D10D003F4)
Certification dated: 7-14-17**

PO Box 1293

Dear Mr. Soule,

Albuquerque

Based on the Certification received 7/17/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

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

New Mexico 87103

Sincerely,

www.cabq.gov

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

C: RR/JDH
email



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** D10D003F4

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **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 (PAD ONLY)

☐ 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: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

6420 PETIRROJO									
Weighted E Method									
Basin	Area (ft)	Area (acres)	Treatment				Treatment D Weighted (ac-ft)	Volume (ac-ft)	Flow cfs
			A (acres)	B (acres)	C (acres)	E (acres)			
NATIVE	15400.00	0.354	89%	0.283	10%	0.0554	0%	0.000	0.515
ALLOWED	15400.00	0.354	0%	0	10%	0.055	40%	0.1415	50%
PROPOSED	15400.00	0.354	0%	0	28%	0.098	30%	0.1238	31%
UPLAND	5920.00	0.136	0%	0	10%	0.014	40%	0.0544	50%
total								1.448	0.016

NOTES:

Weighted E = Ea**A*a + Eb**A*b + Ec**A*c + Ed**A*d / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * *A*a + Qb * *A*b + Qc * *A*c + Qd * *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= 2.97
Ed= 1.97 Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOL

REQUIRED (CF)

WATER QUALITY

162

PROVIDED (CF)

420

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 per the master drainage plan. We are ponding the water harvest volume generated by the site

we are allowing the upland flow to pass thru the site. This plan has a shallow water harvest pond in excess of 1/8" drainage regulator

The upland flow is such that the pad was raised and additional turned blocks provided to allow flow to pass thru the site. This plan is in

conformance to the master drainage plan

LOT 3
BLOCK 10 UNIT 22
VOLCANO CLIFFS SUBDIVISION

Point Table				
Point #	Elevation	Northing	Easting	Description
1014	5330.80	1516359.43	1501835.12	4#B
1062	5329.40	1516396.90	1501927.75	4#B 2455
1077	5336.73	1516572.30	1501879.14	SAS MH
1080	5337.50	1516396.33	1501461.43	SAS MH

AS-BUILT CERTIFICATION

CREW: LPC

DATE: 7/14/17

CONSTRUCT ONE TURNED BLOCK 3"
ABOVE DESIGN GRADE TO ALLOW
FOR CROSS LOT DRAINAGE

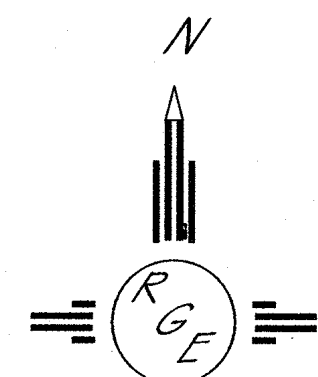
CONSTRUCT ONE TURNED BLOCK 3"
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CONSTRUCT ONE TURNED BLOCK 3"
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EROSION CONTROL NOTES:

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 (CITY) ACCEPTANCE OF ANY PROJECT.

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 11/3/16. BASED UPON APPROVAL FROM DESIGN ENGINEER THE PAD HAS BEEN CONSTRUCTED 12" LOWER. THE DRAINAGE CONCEPT HAS NOT CHANGED. I CERTIFY THE PAD IS AT A GRADE THAT CONFORMS TO THE APPROVED PLAN AND ACCEPTABLE FOR RELEASE OF BUILDING PERMIT



GRAPHIC SCALE

SCALE: 1"=10'



7/14/17



VICINITY MAP:



FIRM MAP:

FM35001C0112G

LEGAL DESCRIPTION:

LOT 4, BLOCK 10, UNIT 22, VOLCANO CLIFFS

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS PLAN WAS OBTAINED BY CONSTRUCTION SURVEY TECHNOLOGIES, DAVID ACOSTA PLS 21081, OCTOBER 2016
3. IN THE EVENT THAT COMMON WALLS SHOWN ON THIS PLAN ARE NOT CONSTRUCTED AT THE TIME OF CERTIFICATION, THEY MUST BE CONSTRUCTED IN CONFORMANCE TO THIS PLAN. ANY WALLS CONSTRUCTED SHALL BE ACCOMPANIED BY THIS PLAN AT TIME OF PERMITTING
4. A PAD CERTIFICATION BY THE ENGINEER IS REQUIRED PRIOR TO PLUMBING INSPECTION

LEGEND

- 5411--- EXISTING CONTOUR
- 5410--- EXISTING INDEX CONTOUR
- 5411--- PROPOSED CONTOUR
- 5410--- PROPOSED INDEX CONTOUR
- FLOW DIRECTION-SWALE
- PROPOSED SPOT (FLOW-LINE)

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 11/3/16 the record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided T. Patrick 12654 The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

ENGINEER'S SEAL	LOT 4, BLOCK 10, UNIT 22 VOLCANO CLIFFS SUBDIVISION	DRAWN BY JDG
	GRADING AND DRAINAGE PLAN	DATE 10-26-2016
DAVID SOULE P.E. #14522	 RIo Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0990	SHEET # 1 OF 1
		JOB #