

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 6 Block 8 Unit 18 SAD 228
6505 Canavio PL NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 10-19-16 (D10D003O6)
Certification dated: 6-27-17**

PO Box 1293

Dear Mr. Soule,

Albuquerque

Based on the Certification received 6/27/2017, 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

RR/JDH
C: email



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

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

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
- ☐ 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: _____

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: 6/19/16. 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 CLIFF SPIROCK NMPLS 4972. 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.

18
FFS



WATER QUALITY POND
TOP=33.00
BOTTOM=32.00
VOLUME=304 CF

TURN 2 BLOCK @ 3"
ABOVE FINISH GRADE
TO ALLOW CROSS DRAINAGE

CL LANDSCAPE SWALE

PROPOSED CMU WALL
WITH 18" MAX RETAINAGE

LOT 8
BLOCK 8 UNIT 18
VOLCANO CLIFFS

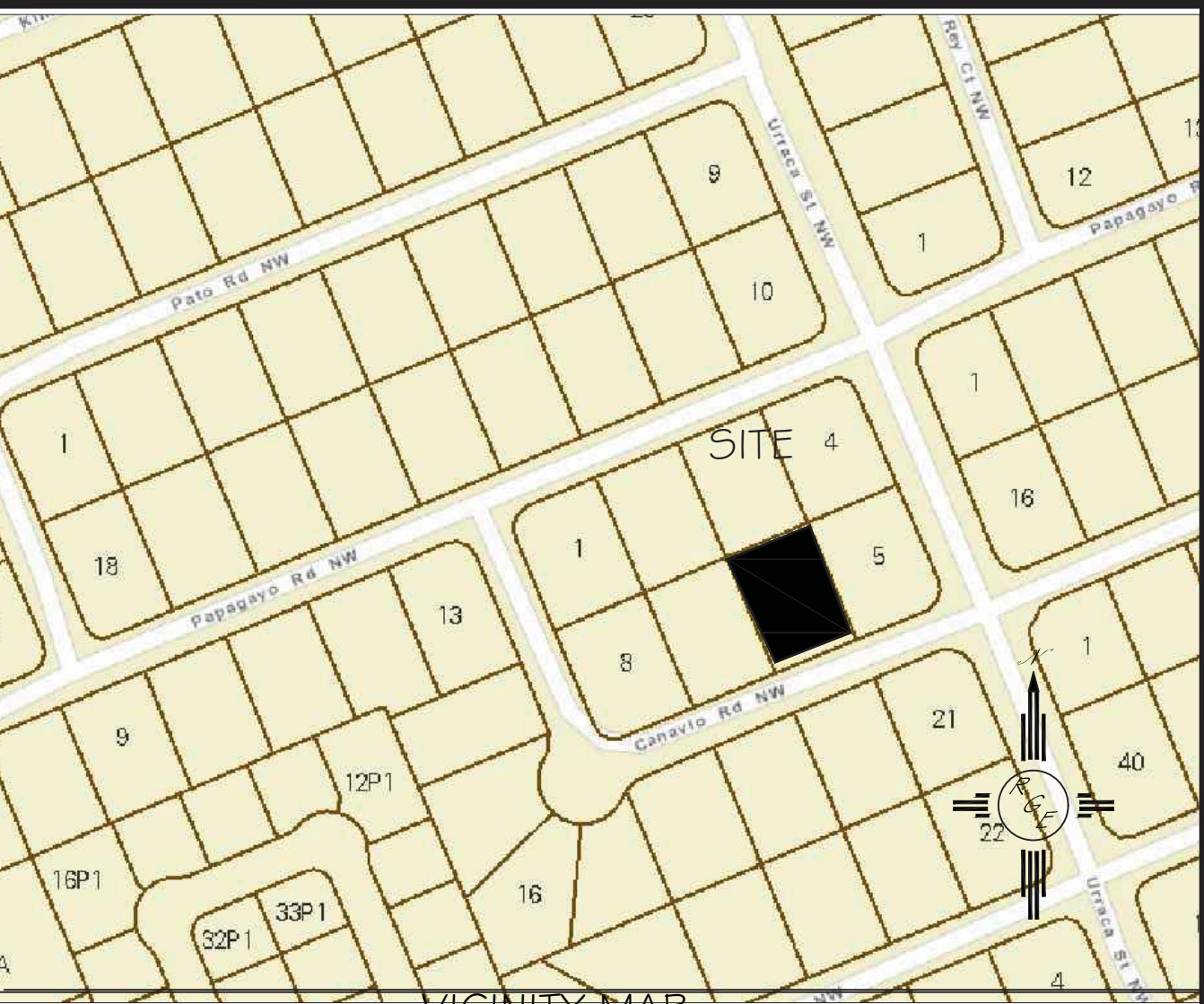
LOT 6
BLOCK 8 UNIT 18
VOLCANO CLIFFS
CL LANDSCAPE

PROPOSED CMU WALL
WITH 18" MAX RETAINAGE
(EAST WALL UNDER
CONSTRUCTION)

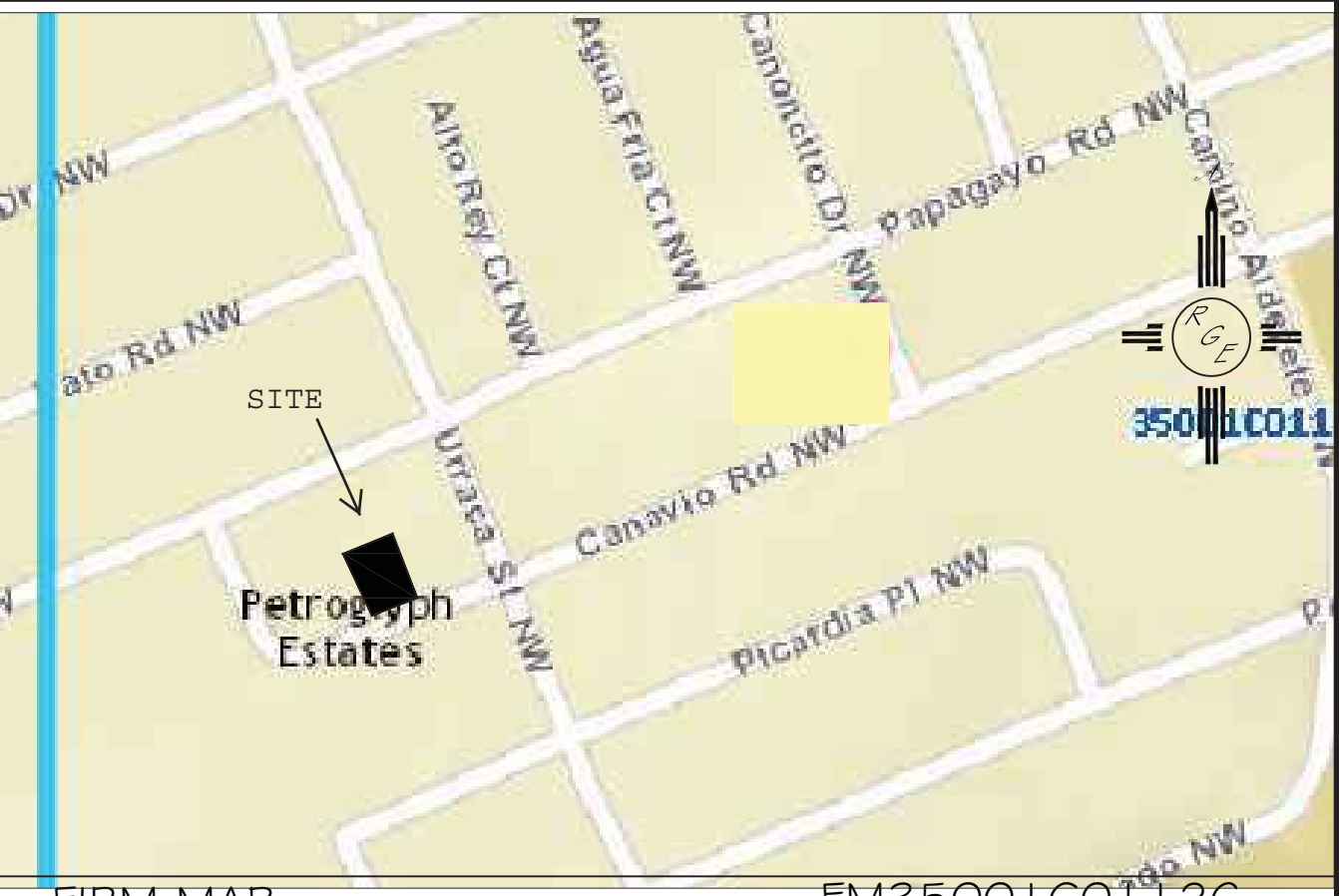
LOT 5
BLOCK 8 UNIT 18
VOLCANO CLIFFS



12/18/16



VICINITY MAP:



FIRM MAP:

FM35001C0112G

LEGAL DESCRIPTION:

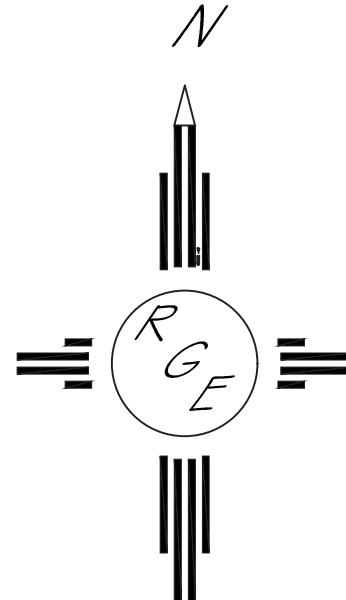
LOT 6, BLOCK 8, UNIT 18, VOLCANO CLIFFS

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 210811, OCTOBER 2016

LEGEND

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



GRAPHIC SCALE

SCALE: 1"=10'

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.

Point Table				
Point #	Elevation	Northing	Easting	Description
1051	5332.69	1517062.26	1500917.89	3RB
1070	5336.03	1516818.06	1500764.18	CL SAS MH
1073	5338.41	1517003.46	1501204.21	CL SAS MH

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 10/19/16. THE PURPOSE OF THIS
CERTIFICATION IS TO ALLOW RELEASE OF BUILDING PERMIT.
A FINAL GRADING CERTIFICATION WILL RE REQUIRED PRIOR
TO RELEASE OF CERTIFICATION OF OCCUPANCY

Weighted E Method												
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted Volume (ac-ft)	100-Year, 6-hr. Volume (ac-ft)	Flow cfs			
NATIVE	14028.00	0.322	80%	0.258	10%	0.032	10%	0.000	0.518	0.014	0.49	
ALLOWED	14028.00	0.322	0%	0	10%	0.032	40%	0.1288	50%	0.161	1.448	0.039
PROPOSED	14028.00	0.322	0%	0	29%	0.093	40%	0.1288	31%	0.100	1.201	0.032
UPLAND	9200.00	0.211	0%	0	10%	0.021	40%	0.0845	50%	0.106	1.448	0.025
total												0.75

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

Qb= 2.03
Qc= 2.87
Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOL
REQUIRED (CF)
123

PROVIDED (CF)
440

257 PROVIDED

Narrative

This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the 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 the drainage regulation. The upland flow is such that the pad was raised and additional turned blocks provided to allow flow to pass thru site. This plan is in conformance to the master drainage plan

6505 CANAVIO PLACE, N.W.
(50' R/W)

ENGINEER'S SEAL	LOT 6 BLOCK 8 UNIT 18 VOLCANO CLIFFS SUBDIVISION	DRAWN BY JDG
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	DATE 10-18-2016
10/19/16 DAVID SOULE P.E. #14522	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # 1 OF 1 JOB #