

# CITY OF ALBUQUERQUE

Planning Department  
Suzanne Lubar, Director



Mayor Richard J. Berry

October 11, 2016

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

RE: **6539 Azor Rd. NW, SAD 228**  
**Pad Certification for lot 5 Block 5 Unit 19**  
**Engineers Stamp Date 9/6/16 (D10D003H5)**  
**Certification Date 10/11/16**

PO Box 1293

Dear Mr. Soule,

Albuquerque

Based upon the information provided in your submittal received 10/11/2016, the above referenced Certification for 6539 Azor Rd. NW is acceptable for building permit.

New Mexico 87103

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

www.cabq.gov

Sincerely,

Abiel Carrillo, P.E.  
Principal Engineer, Hydrology  
Planning Department

RR/AC  
C: File



# City of Albuquerque

Planning Department

Development & Building Services Division

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

**Project Title:** \_\_\_\_\_ **Building Permit #:** \_\_\_\_\_ **City Drainage #:** D10D003H5  
**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: \_\_\_\_\_

October 11, 2016

Rudy E. Rael, CE, CFM  
Engineer Associate, Hydrology  
Planning Department  
600 2nd St. NW Suite 201  
Albuquerque NM 87102

**RE: Revised Grading Plan  
6539 Azor  
Lot 5, Block 5 volcano cliffs unit 19-SAD228  
Drainage file D10-D003H5**

Dear Mr. Rael:

The purpose of this letter is to provide the required pad certification for release of building permit. I personally inspected the property. The pad has been graded and the site has been graded to be in substantial compliance to the approved grading plan dated 9/6/16. This certification is for pad only, a final grading certification will be required prior to request for Certificate of Occupancy. Should you have any questions regarding this matter, please do not hesitate to call me.

Sincerely,

David Soule, PE  
RIO GRANDE ENGINEERING  
PO Box 93924  
ALBUQUERQUE, NM 87199  
321-9099



10/11/16



Weighted E Method										
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted (ac-ft)	100-Year, 6-hr. Volume (ac-ft)	Flow cfs	
NATIVE ALLOWED	14000.00	0.321	80%	0.257	10%	0.032	10%	0.032	0.14	0.49
PROPOSED	14000.00	0.321	0%	0	10%	0.032	40%	0.1286	50%	0.161
UPLAND	14000.00	0.321	0%	0	28%	0.090	40%	0.1286	32%	0.103
total	50133.00	1.151	0%	0	10%	0.115	40%	0.4604	50%	0.575

#### 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

Ea= 0.44

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)

WATER QUALITY

127

PROVIDED (CF)

321

#### 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 the drainage regulator. 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

## BLOCK 11 UNIT 18 VOLCANO CLIFFS SUBDIVISION

SITE TBM  
PROVIDED BY CSTI  
#5 REBAR  
EL=5325.03  
NAVD 1988

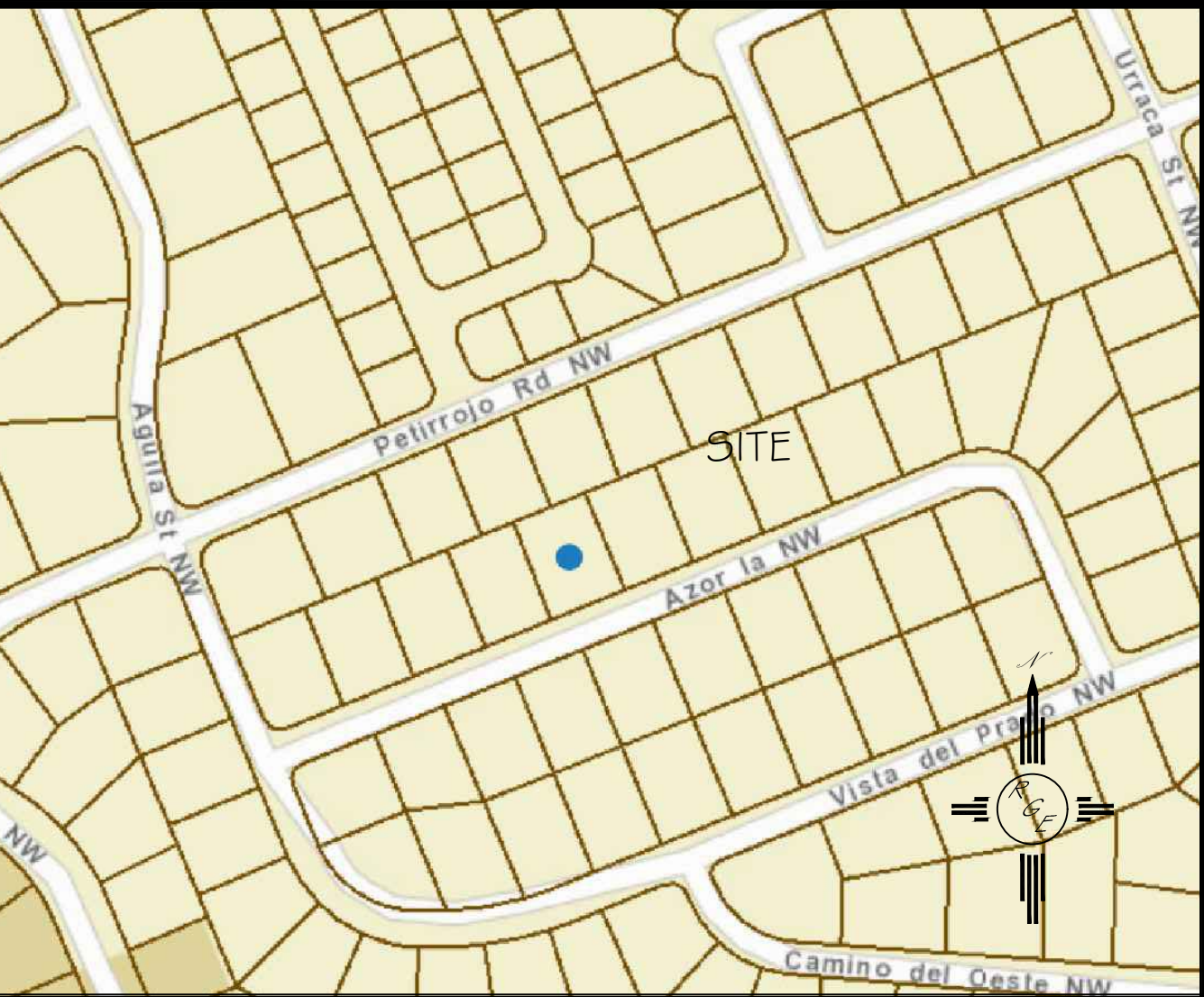
## LOT 6 BLOCK 5 UNIT 19 VOLCANO CLIFFS SUBDIVISION

## LOT 4 BLOCK 5 UNIT 19 VOLCANO CLIFFS SUBDIVISION

## LOT 5 BLOCK 5 UNIT 19 VOLCANO CLIFFS SUBDIVISION

#### 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.



VICINITY MAP:



FIRM MAP:

FM35001C0112G

#### LEGAL DESCRIPTION:

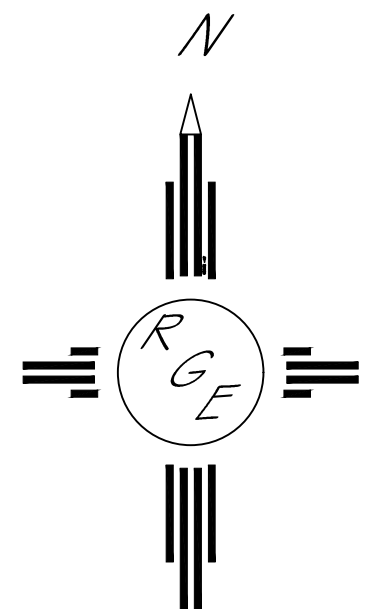
LOT 5, BLOCK 5, UNIT 19, VOLCANO CLIFFS SUBDIVISION

#### 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, APRIL 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'

Point Table				
Point #	Elevation	Northing	Easting	Description
1163	5325.03	1515903.82	1500704.49	4RB
1214	5322.79	1515866.36	1500611.77	4RB
1232	5321.56	1515723.06	1500697.61	SA MH
1235	5328.30	1515835.72	1500976.75	SAS MH

AZOR LANE  
(50' R/W)

SITE TBM  
RIM=5321.56  
NAVD 1988

SITE DISCHARGE POINT  
OVER SIDEWALK  
EL=5322.36

WATER QUALITY POND  
TOP=22.36  
BOTTOM=21.50  
VOLUME=321 CF

SCREEN WALL  
TURN BLOCK  
EVERY 24' FOR  
CROSS LOT DRAINAGE

SCREEN WALL WITH 18"  
MAX RETAINAGE  
TURN BLOCK EVERY 24'  
FOR LOT CROSS DRIANAGE