

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor ~~Richard J. Berry~~

April 22, 2016

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

**RE: Lot 41, Block 6 Volcano Cliffs Unit 18
6639 Sueto Rd NW
Grading and Drainage Plan
Engineer's Stamp Date 4-20-16 (D10D003M41)**

Dear Mr. Soule,

PO Box 1293
Based upon the information provided in your submittal received 4/21/16, this plan is approved for Grading Permit and Building Permit.

Albuquerque
Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology. A separate permit for the wall is required. Attach this approved plan to the wall permit set. Place all turn blocks 3" above grade for sediment control and landscaping.

New Mexico 87103
Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

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

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: _____ **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: _____

Weighted E Method											
ESPM	Area (sq ft)	Area (acres)	Permeability (%)	Weighted E (1/20000)	Permeability (%)	Weighted E (1/20000)	Permeability (%)	Weighted E (1/20000)	Permeability (%)	Weighted E (1/20000)	Permeability (%)
NATIVE	25656.00	0.588	80%	0.476	10%	0.000	10%	0.000	0.000	0.000	0.000
ALLOWED	25656.00	0.588	0%	0.000	40%	0.230	90%	0.230	1.440	0.000	0.000
PROPOSED	25656.00	0.588	0%	0.000	40%	0.230	90%	0.230	1.440	0.000	0.000
INCREASE											
TOTAL											

Equations:

Weighted E = $E_1A_1 + E_2A_2 + E_3A_3 + E_4A_4$ (Total Area)

Volume = Weighted E * Total Area

Flow = $Q_1 + Q_2 + Q_3 + Q_4 + Q_5 + Q_6 + Q_7 + Q_8$

Where for 100-year, 6-hour storm, zone 1:

$E_1 = 1.26$
 $E_2 = 0.67$
 $E_3 = 0.89$
 $E_4 = 1.97$

$Q_1 = 1.26$
 $Q_2 = 2.03$
 $Q_3 = 2.97$
 $Q_4 = 4.37$

ON-SITE CONDITIONS FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF)

PROVIDED (CF)

WATER QUALITY

154

512

Narrative

This site is within the SUD 228 Master Drainage plan boundaries. The site is to

drain to the adjacent street 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 regulat

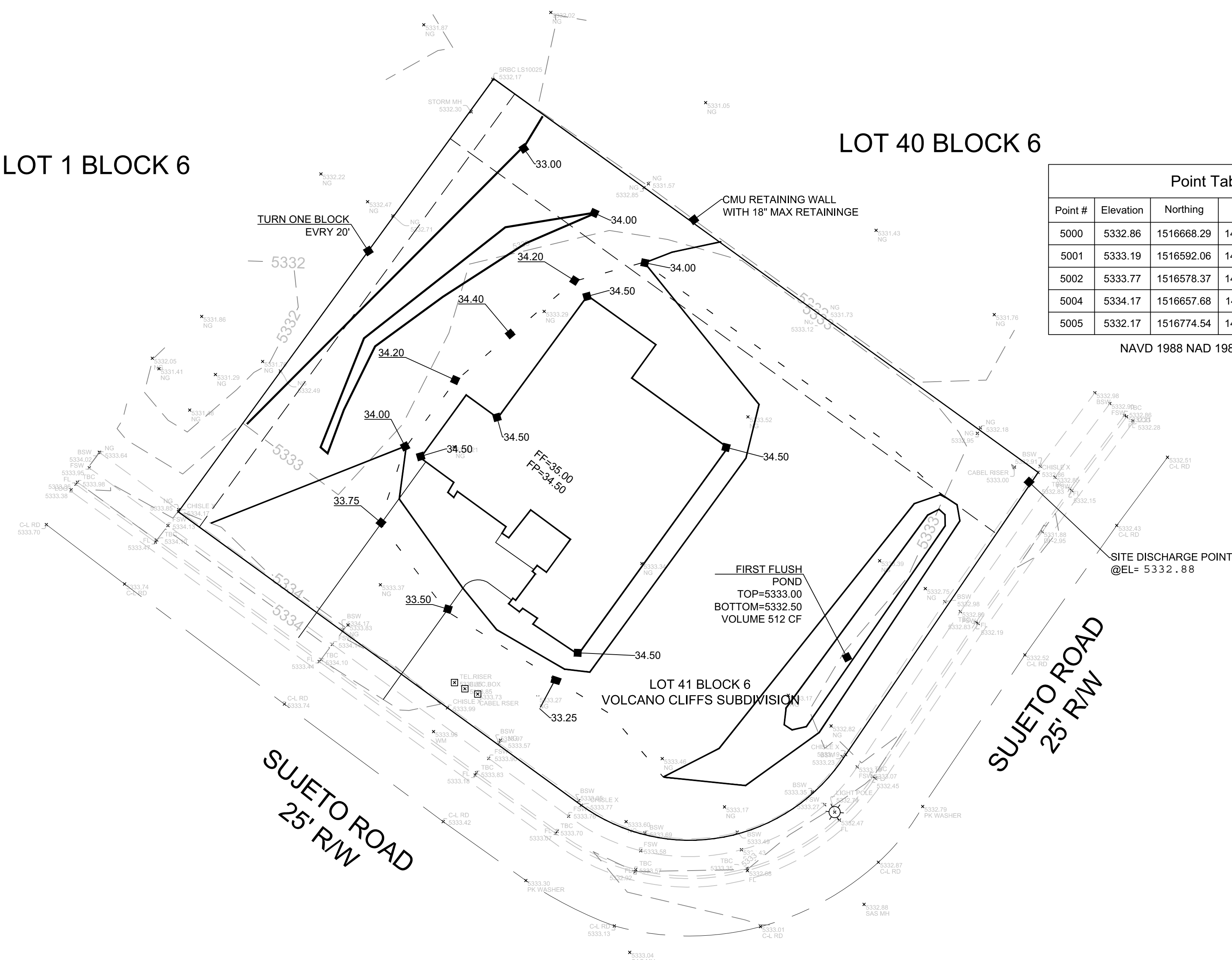
This plan is in conformance to the masterplan

LOT 1 BLOCK 6

LOT 40 BLOCK 6

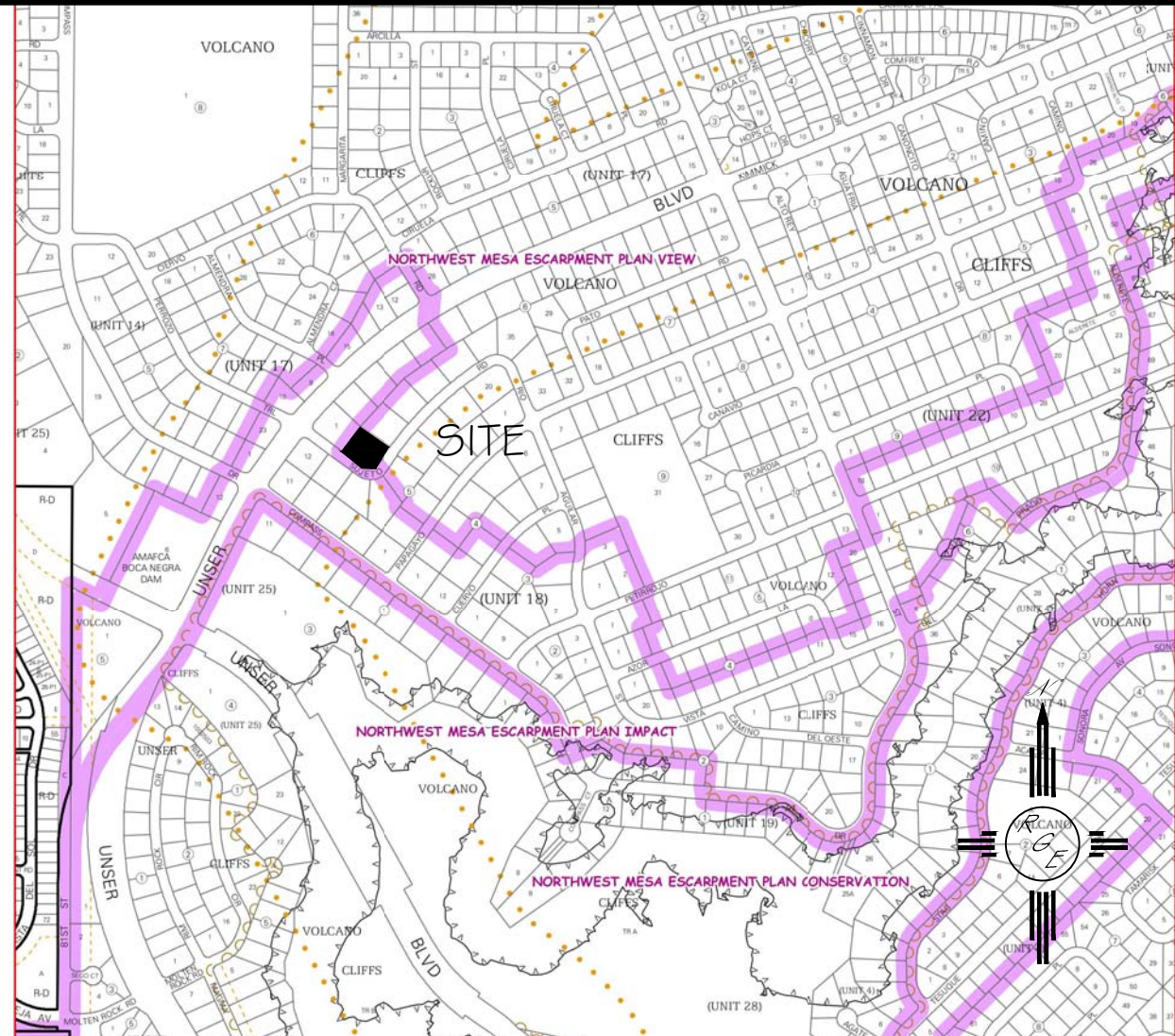
Point Table				
Point #	Elevation	Northing	Easting	Description
5000	5332.86	1516668.29	1499211.08	CHISLE X
5001	5333.19	1516592.06	1499159.08	CHISLE X
5002	5333.77	1516578.37	1499087.66	CHISLE X
5004	5334.17	1516657.68	1498978.81	CHISLE X
5005	5332.17	1516774.54	1499063.74	5RBC LS10025

NAVD 1988 NAD 1983



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:

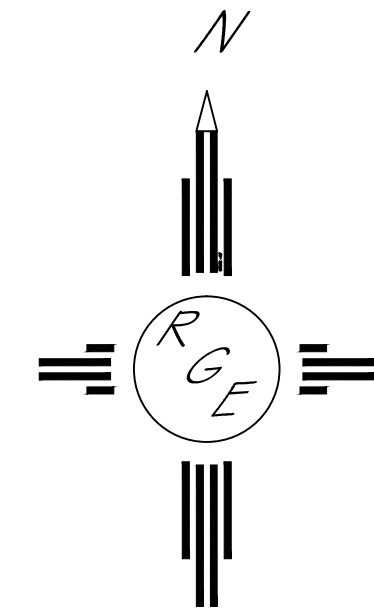
LOT 41, BLOCK 6 VOLCANO CLIFFS, UNIT 18

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"=20'

ENGINEER'S SEAL 4/20/16	LOT 41, BLOCK 6, UNIT 18 VOLCANO CLIFFS SUBDIVISION	DRAWN BY JDG
	GRADING AND DRAINAGE PLAN	DATE 04-21-2016
 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999		SHEET # 1 OF 1
		JOB #

