

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

September 22, 2017

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

**RE: Lot 7 Block 1 Unit 5 Volcano Cliffs SAD 227
6623 Rimrock NW
Grading and Drainage Plan
Engineers Stamp Date 9/8/17 (D10D010)
Pad Certification Dated 9/20/17**

Dear Mr. Soule,

Based upon the information provided in your submittal received 9/20/17, this plan is approved for Building Permit.

Please inform the builder to attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology. Also, notify the owner/contractor that a separate permit for any fence is required, and this is the plan to be used for the placement of the fence.

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

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

Sincerely,

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

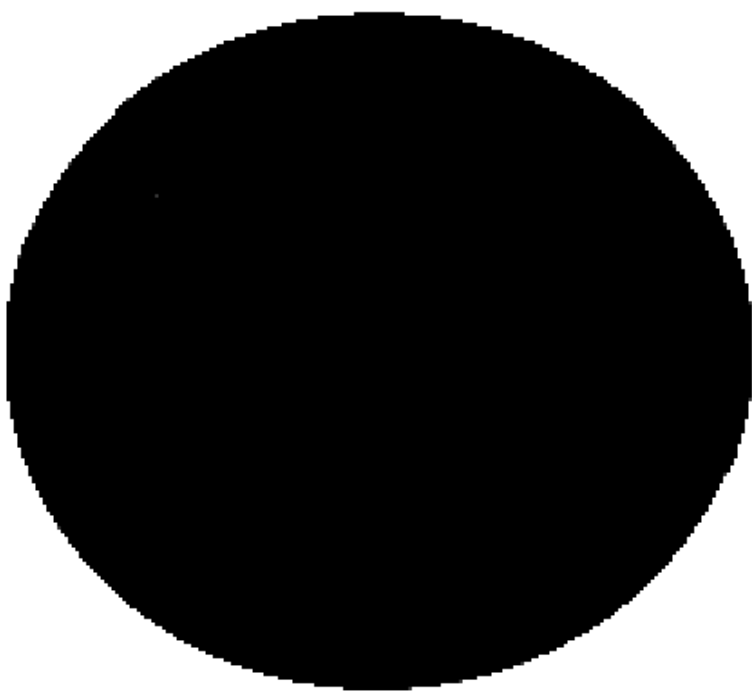
RR/JH
C: File

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: 6623 RIM ROCK **Building Permit #:** **City Drainage #:** d10d010
DRB#: **EPC#:** **Work Order#:**
Legal Description: lot 7 block 1 Volcano cliffs,
City Address: 6623 RIMROCK

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: MAGNUM BUILDERS **Contact:**
Address: 6623 RIMROCK ALB NM 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: 9/20/17 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 (pad cert)
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR

☐ PRE-DESIGN MEETING
☐ OTHER (SPECIFY) _____

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED:

Weighted E Method

Basin	Area		Treatment A		Treatment B		Treatment C		Treatment D		100-Year 6-hr.	
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(ac-ft)	Volume	Flow
ALLOWED	13799.00	0.317	0%	0	26%	0.082	40%	0.1267	34%	0.108	1.240	0.033
PROPOSED	13799.00	0.317	0%	0	37%	0.117	39%	0.1235	39%	1.402	0.037	1.13
total												

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

Ea= 0.44
Eb= 0.67
Ec= 0.99
Ed= 1.97

Qa= 1.29
Qb= 2.03
Qc= 2.87
Qd= 4.37

ONSITE Conditions
PONDING REQUIREMENTS

REQUIRED (CF)	PROVIDED (CF)
152	612
187	612

WATER QUALITY
FLOOD CONTROL

Narrative

This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the the adjacent roadway 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 regulations. The site is not impacted by upland flows. This plan generate flow in excess of master drainage plan developed conditions assumption. Therefor the excess is retained

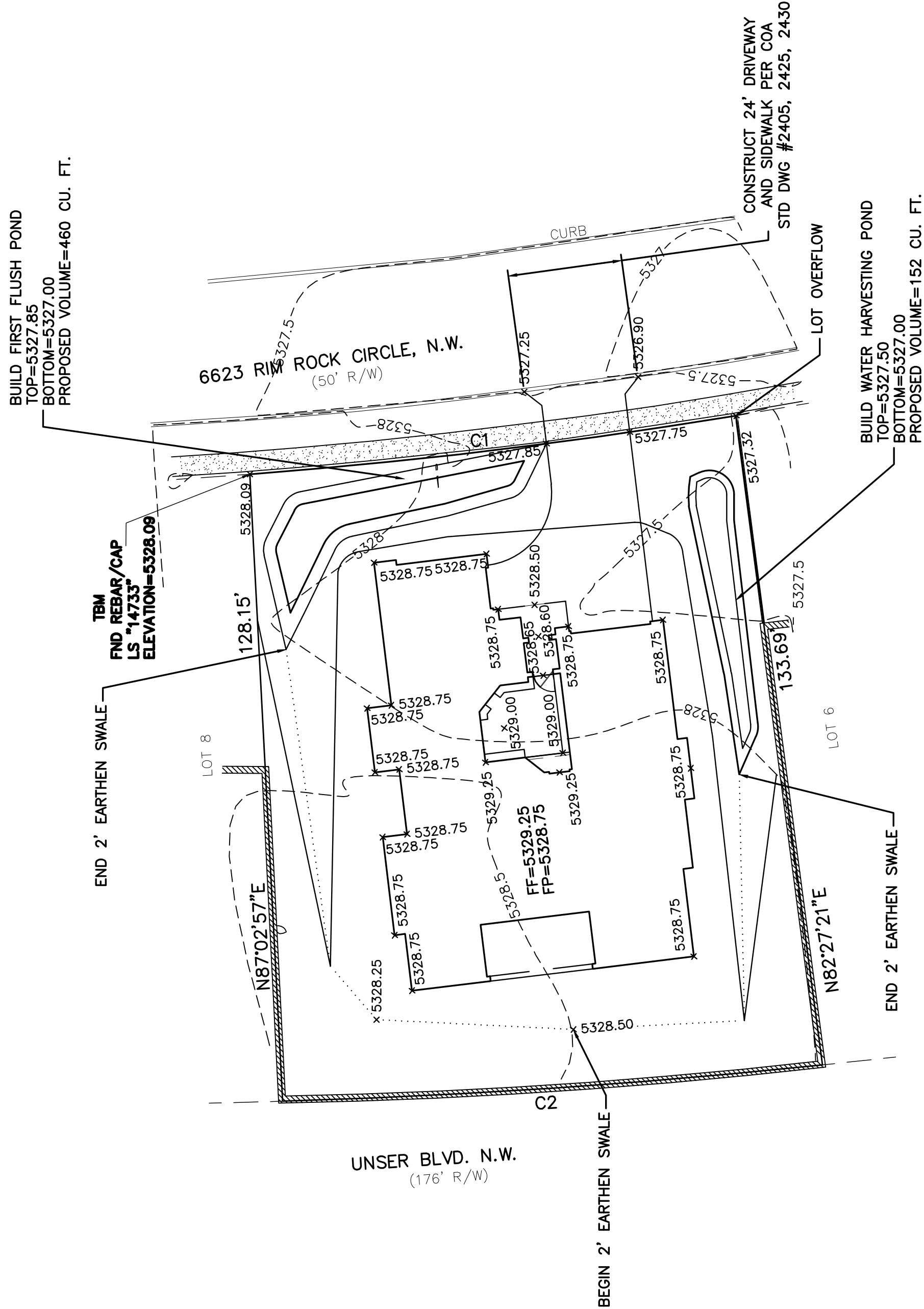
EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL 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 9/8/17

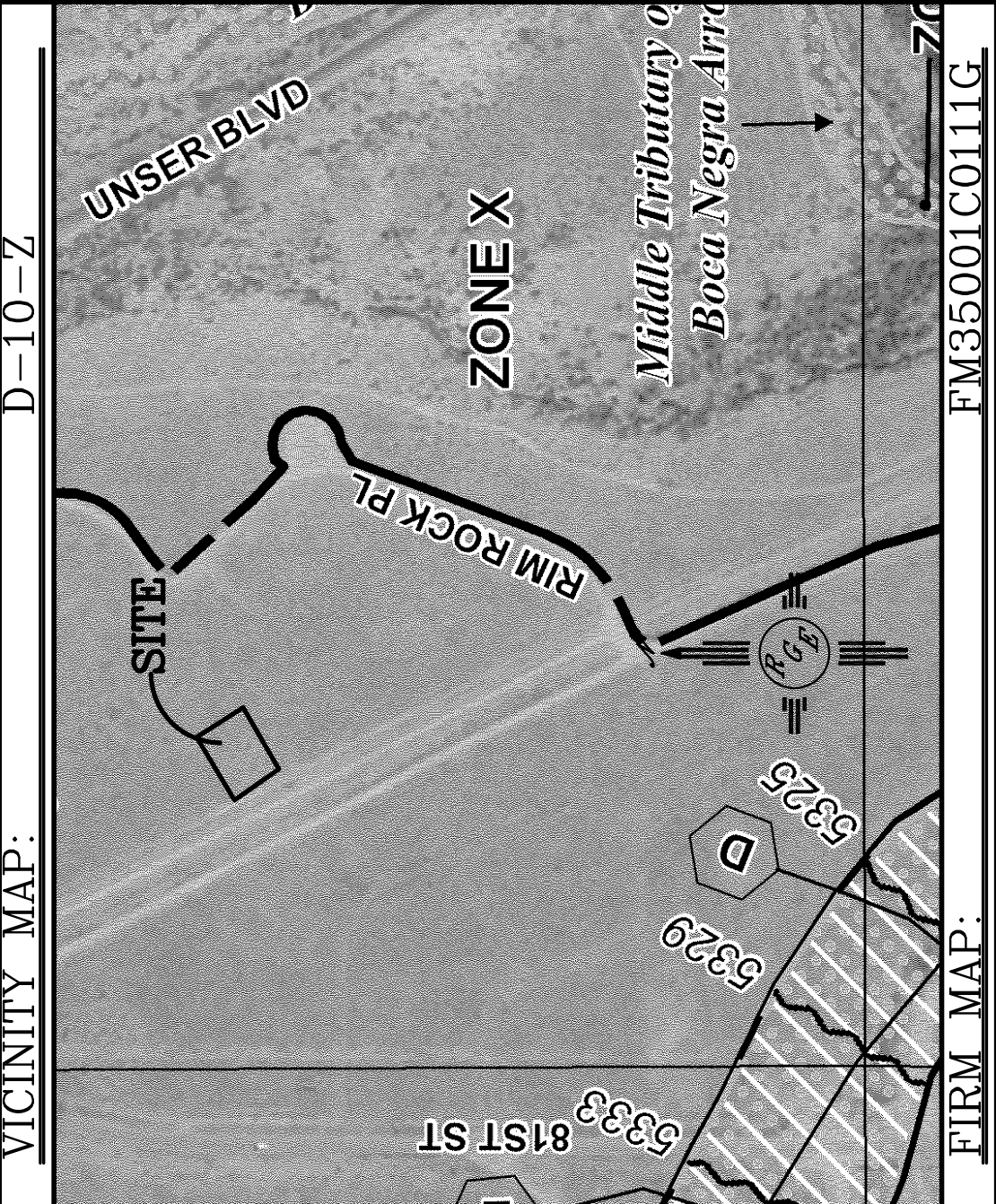
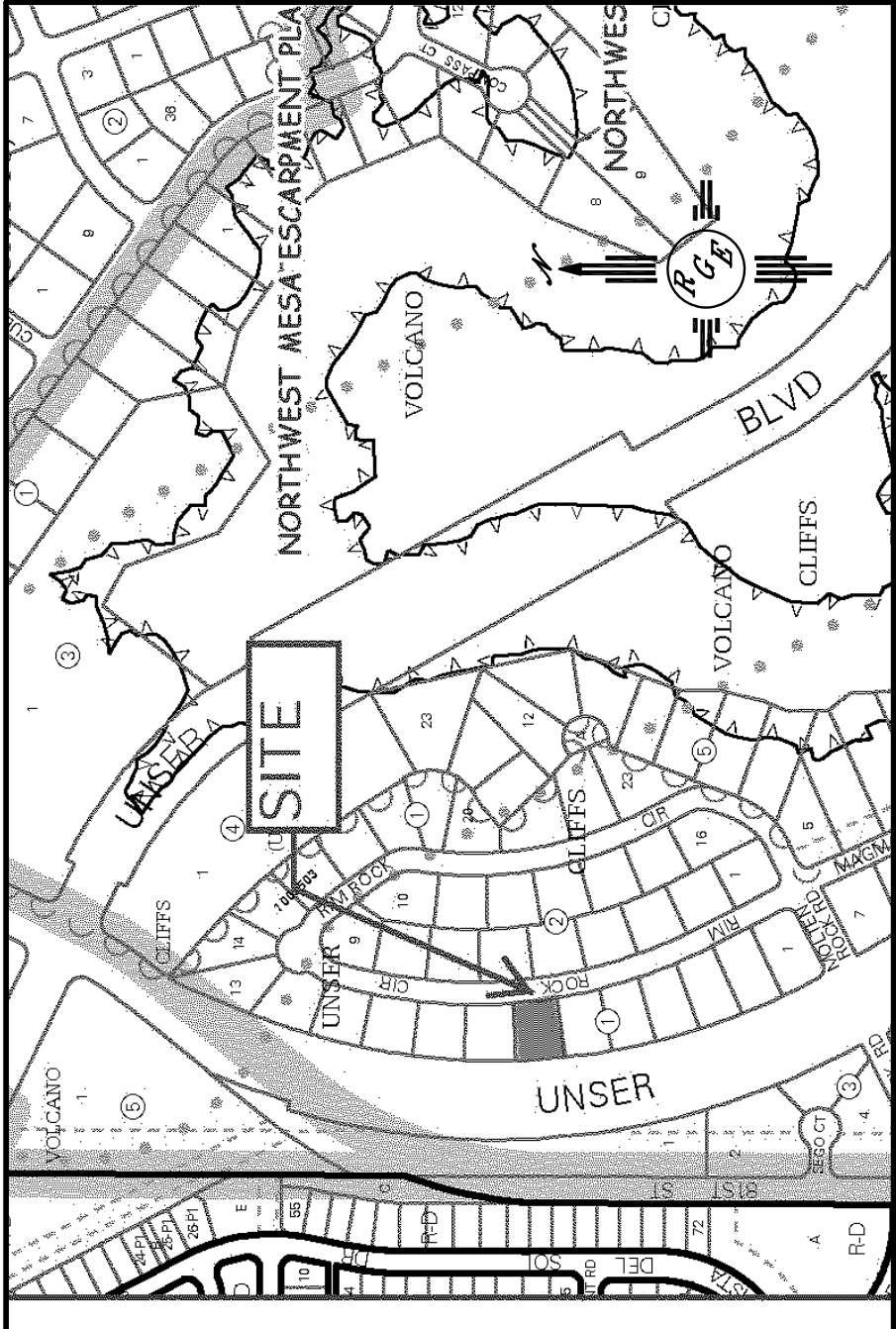
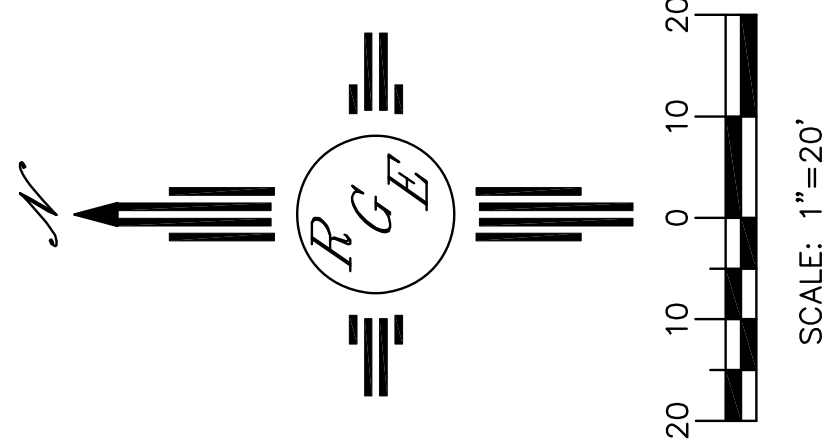


9/20/17



C1:
R=1150.00'
L=100.00'
C=99.97'
CB=N64°35'W
P=4'58.56"

C2:
R=1492.00'
L=110.49'
C=110.46'
CB=N348°17'W
P=4'14.34"



LEGAL DESCRIPTION:

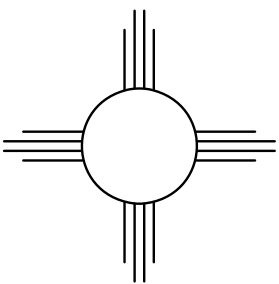
LOT 7, BLOCK 1 UNSEER CLIFFS SUBDIVISION

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- SLOPE TIE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EXISTING CURB AND GUTTER
- PROPOSED CMU SCREEN WALL
- 0 -3' MAX RETAINAGE (DESIGN BY OTHERS)

ENGINEER'S SEAL		6623 RIM ROCK		DRAWN BY WCUJ
		GRADING AND DRAINAGE PLAN		DATE 9-07-17
				21795-LAYOUT-9-07-17
		 <i>Rio Grande Engineering</i> 1606 CENTRAL AVENUE SE ALBUQUERQUE, NM 87106 (505) 872-0589	SHEET # —	
			JOB # 21795	
DAVID SOULE P.E. #14522		9/8/17		