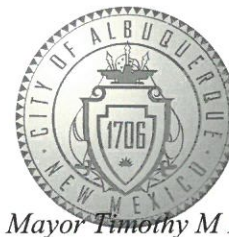


# CITY OF ALBUQUERQUE

Planning Department  
Suzanne Lubar, Director



Mayor Timothy M Keller

March 27, 2018

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

**Re: Lot 7 Block 1 Volcano Cliffs SAD 227  
6623 Rim Rock NW  
Request Permanent C.O. - Accepted  
Engineer's Stamp dated: 9-8-17 (D10D010)  
Certification dated: 3-26-18**

PO Box 1293

Dear Mr. Soule,

Albuquerque

Based on the Certification received 3/26/2018, the site is acceptable for release of Certificate of Occupancy by Hydrology.

NM 87103

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

www.cabq.gov

Sincerely,

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

RR/JDH  
C: File D10D010



# 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: \_\_\_\_\_



										100-Year, 6-hr.			
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Weighted (ac-ft)	Volume (ac-ft)	Flow cfs
			% (acres)	% (acres)	% (acres)	% (acres)	% (acres)	% (acres)					
ALLOWED	13799.00	0.317	0%	0	26%	0.082	40%	0.1267	34%	0.108	1.240	0.033	1.00
PROPOSED	13799.00	0.317	0%	0	37%	0.117	39%	0.1235	39%	0.124	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	Qa= 1.29
Eb= 0.67	Qb= 2.03
Ec= 0.99	Qc= 2.87
Ed= 1.97	Qd= 4.37

ONSITE Conditions

PONDING REQUIREMENTS

	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	152	612
FLOOD CONTROL	187	612

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

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



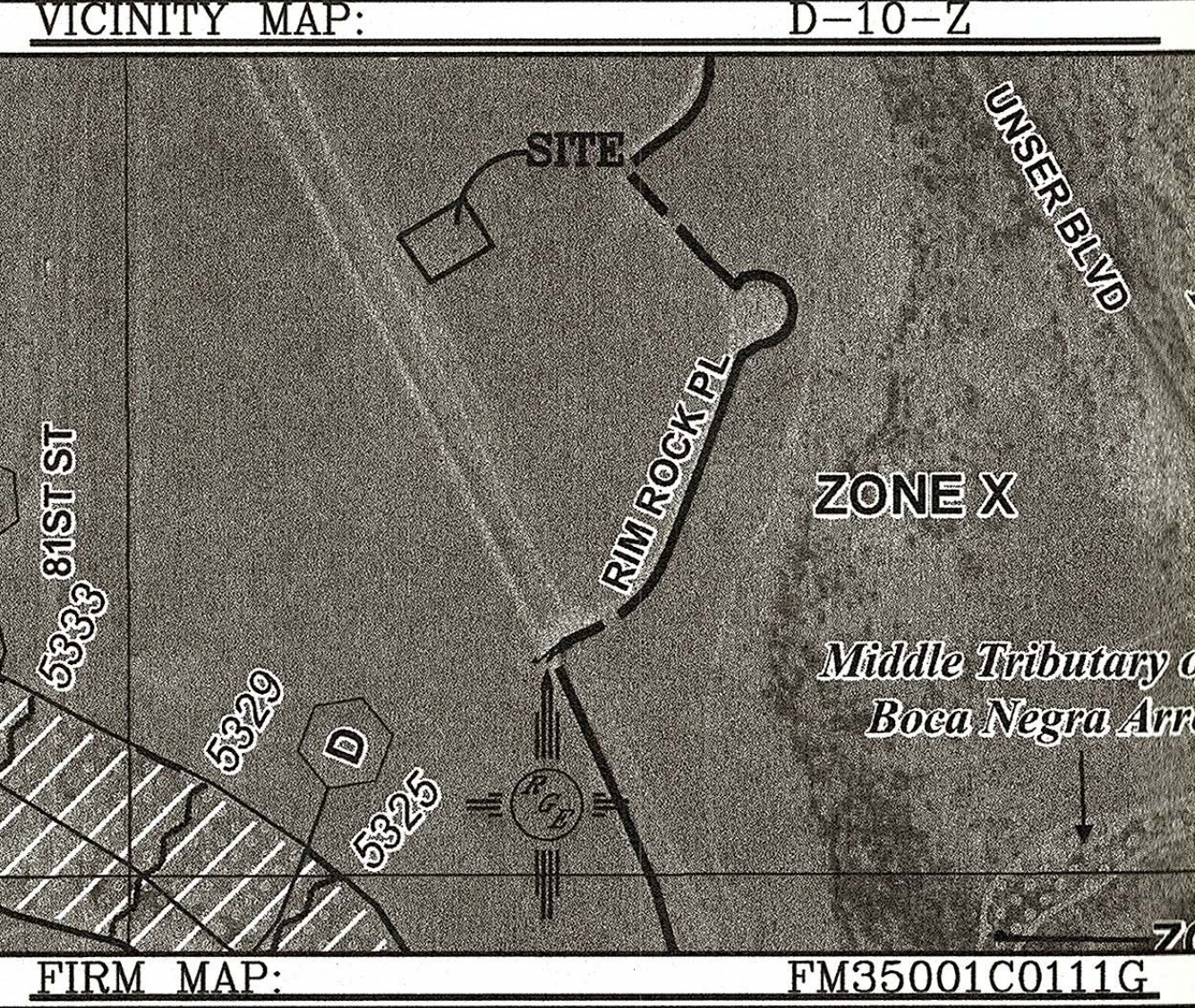
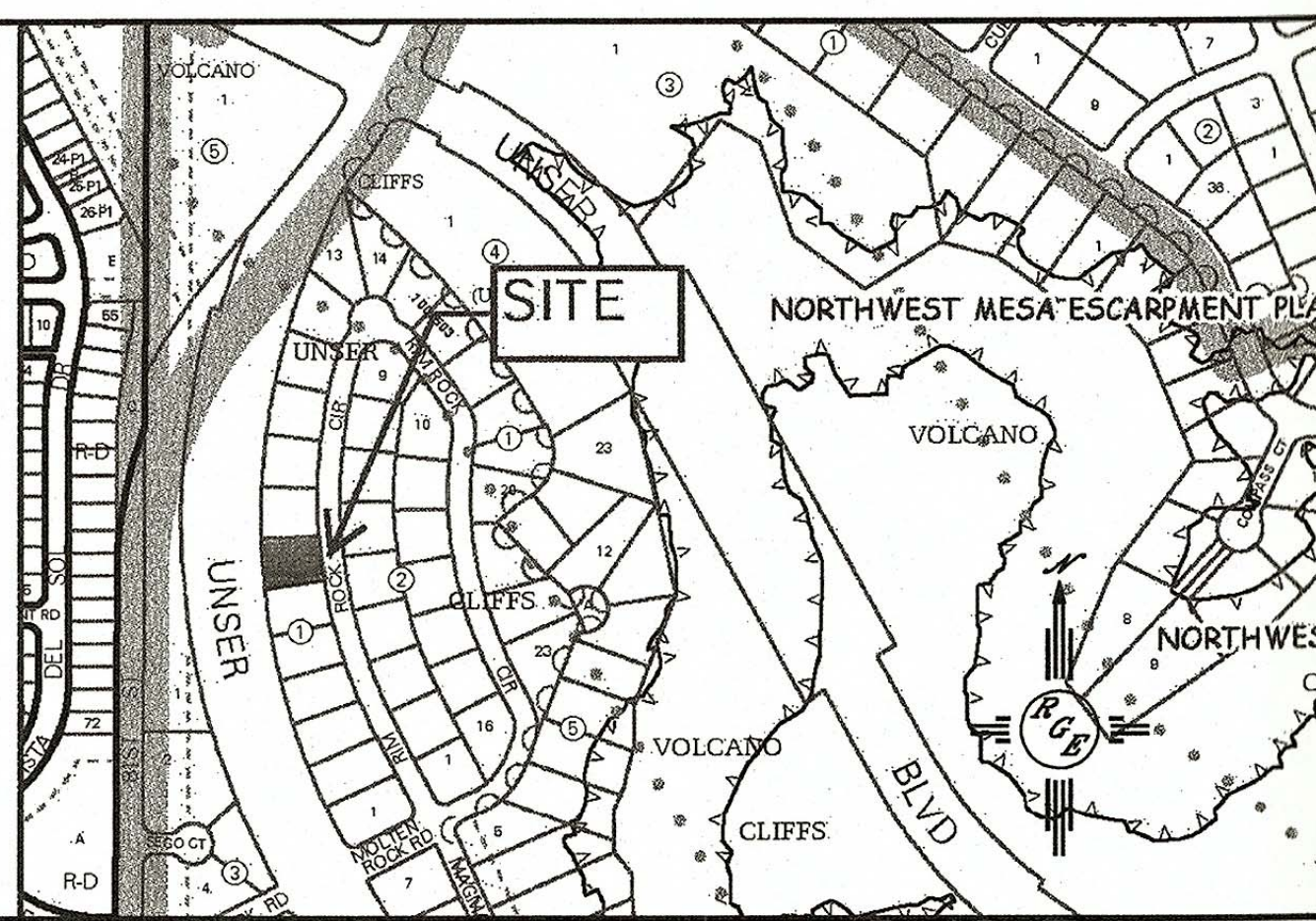
9/20/17

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 9/8/17. 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 by THOMAS PATRICK NMPS 12651. 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



3/6/18

3/26/18



LEGAL DESCRIPTION:

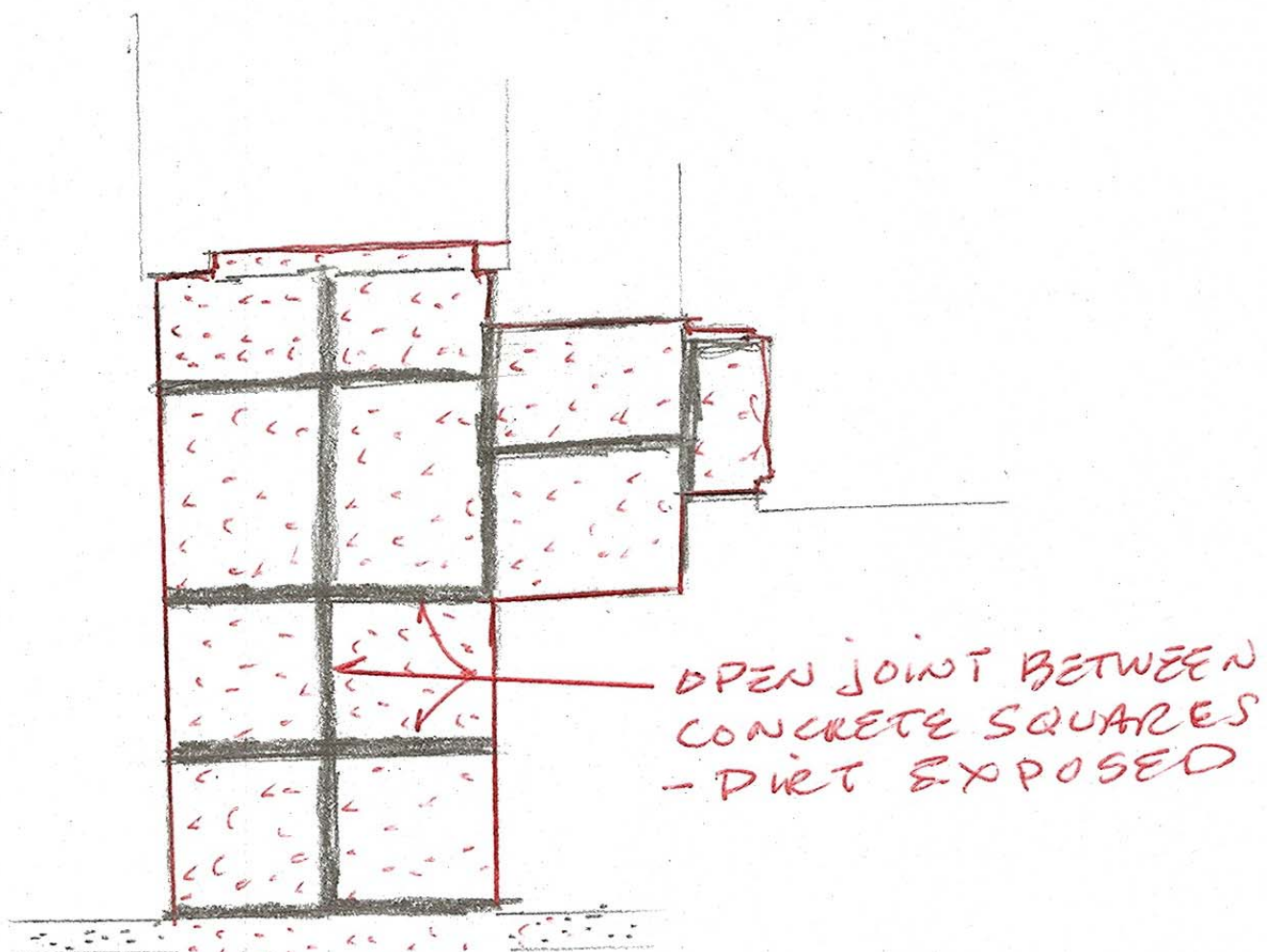
LOT 7, BLOCK 1 UNSER CLIFFS SUBDIVISION

NOTES:

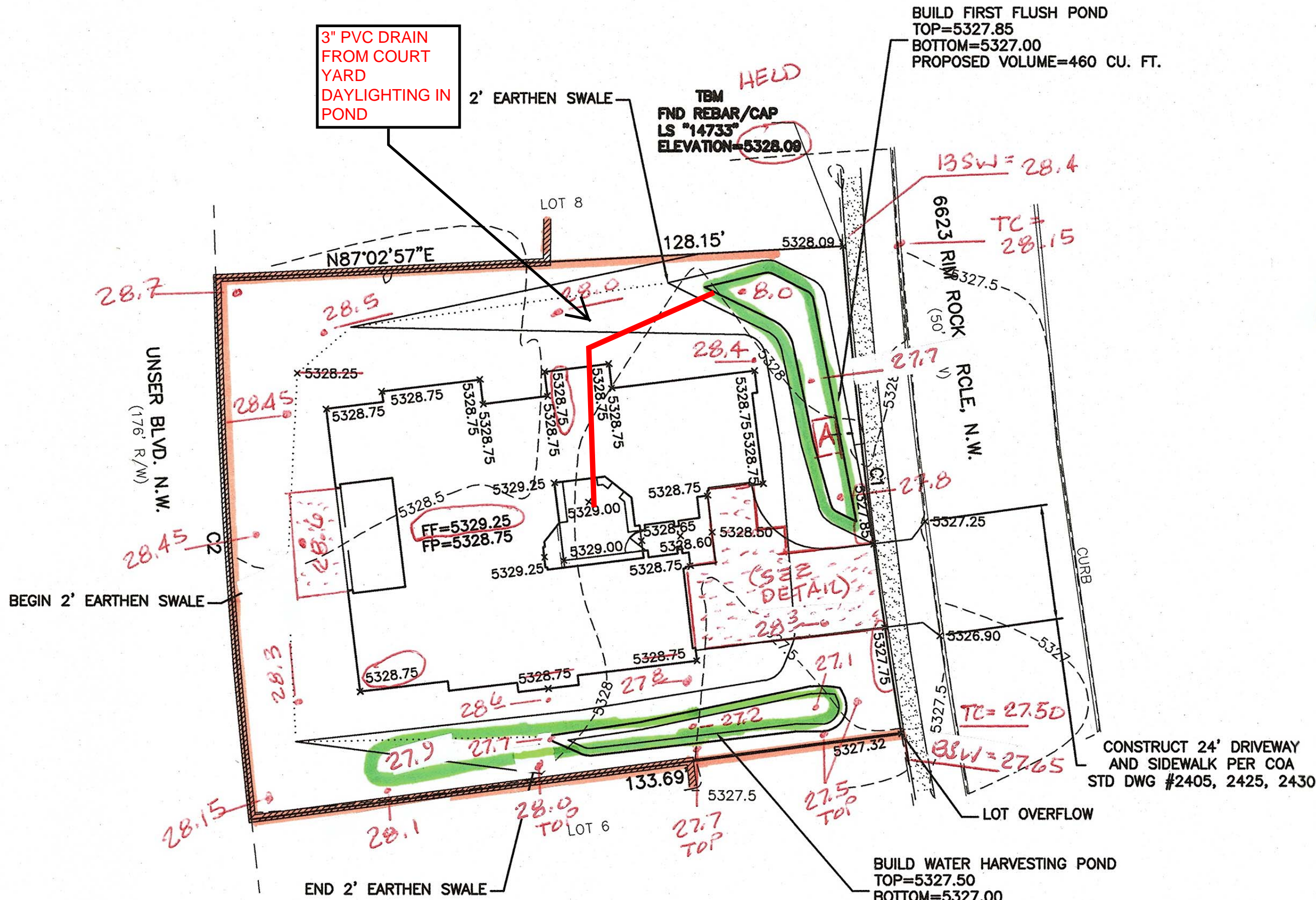
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

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)

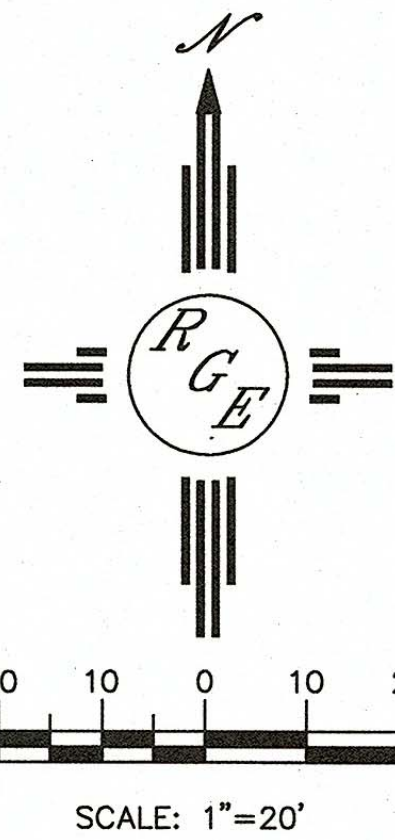


DW DETAIL



C1:  
R=1150.00'  
L=100.00'  
C=99.97'  
CB=N6°49'35"W  
P=4°58'56"

C2:  
R=1492.00'  
L=110.49'  
C=110.46'  
CB=N3°48'17"W  
P=4°14'34"



CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

ENGINEER'S SEAL	6623 RIM ROCK	DRAWN BY WCWJ
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 9-07-17
9/8/17	Rio Grande Engineering 1806 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0899	21795-LAYOUT-9-07-17
DAVID SOULE P.E. #14522		SHEET # —
		JOB # 21795