

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 5 Block 10 Unit 5 Volcano Cliffs SAD 227
7905 Marigold NW
Grading and Drainage Plan
Engineers Stamp Date 8/31/17 (E10D0035)
Pad Certification Dated 8/31/17**

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

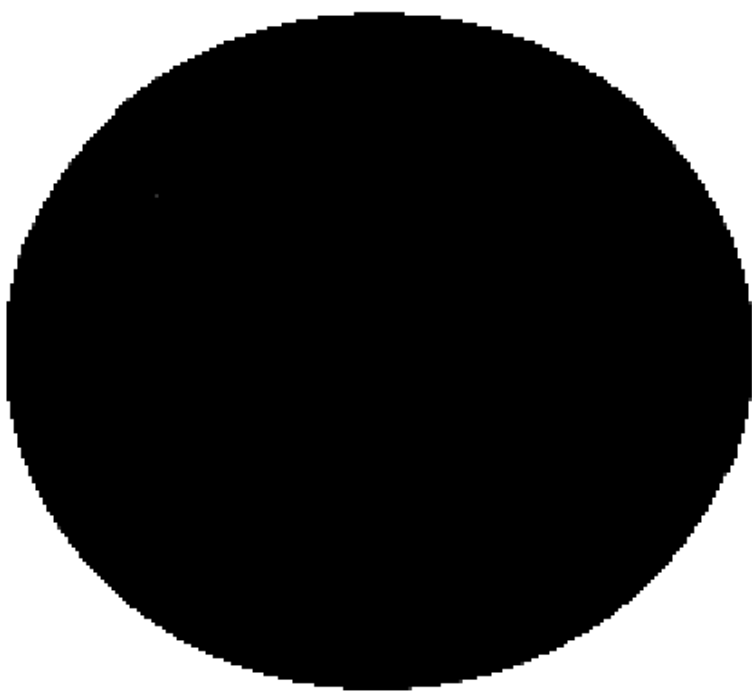
RR/JH
C: File

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: 7905 Marigold nW Building Permit #: City Drainage #: E10D035
DRB#: **EPC#:** **Work Order#:**
Legal Description: lot 5 block 10 Volcano cliffs, UNIT 5
City Address: 7905 Marigold NW

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: Gerald Maestas-silverton homes **Contact:**
Address: 7905 Marigold NW 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) _____

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) _____

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: 9/20/17 By: _____

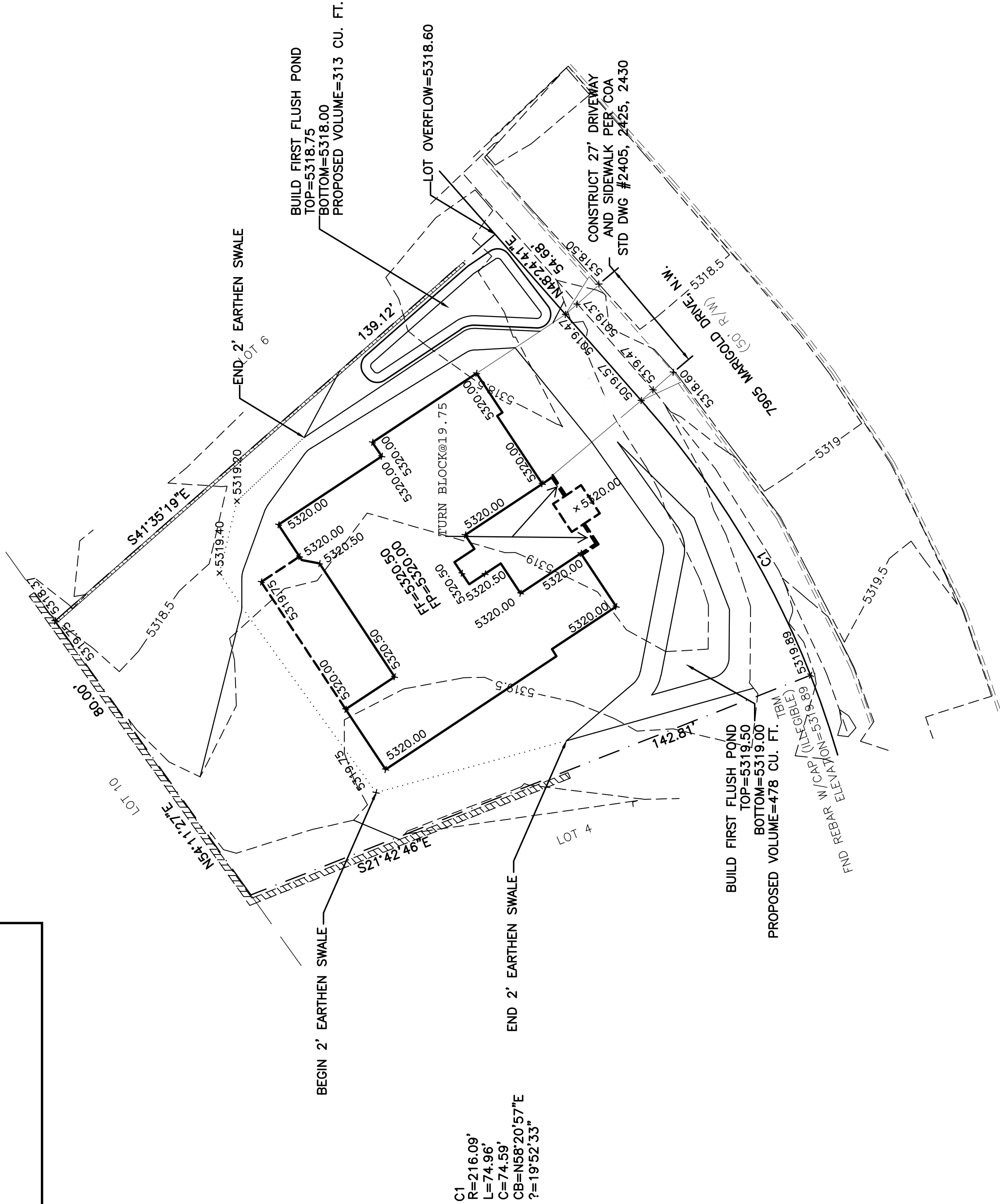
COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

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	14904.00	0.342	0%	0	10%	0.034	40%	0.1369	50%	0.1771	1.448	0.041
PROPOSED	14904.00	0.342	0%	0	31%	0.106	37%	0.1266	32%	0.109	1.204	0.034
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= 0.89												
Ed= 1.97												
Qa= 1.29												
Qb= 2.03												
Qc= 2.87												
Qd= 4.37												
ONSITE Conditions												
FIRST FLUSH WATER QUALITY VOLUME										REQUIRED	PROVIDED	
										(CF)	(CF)	
										135	791	
WATER QUALITY												
Narrative												
This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway per the master drainage plan. We are ponding the water harvest volume generated by the site This site has existing solid walls that eliminate upland flow. The adjacent front yard to the west is allowed to enter the site and discharge over the sidewalk. This plan is in conformance to the master drainage plan												

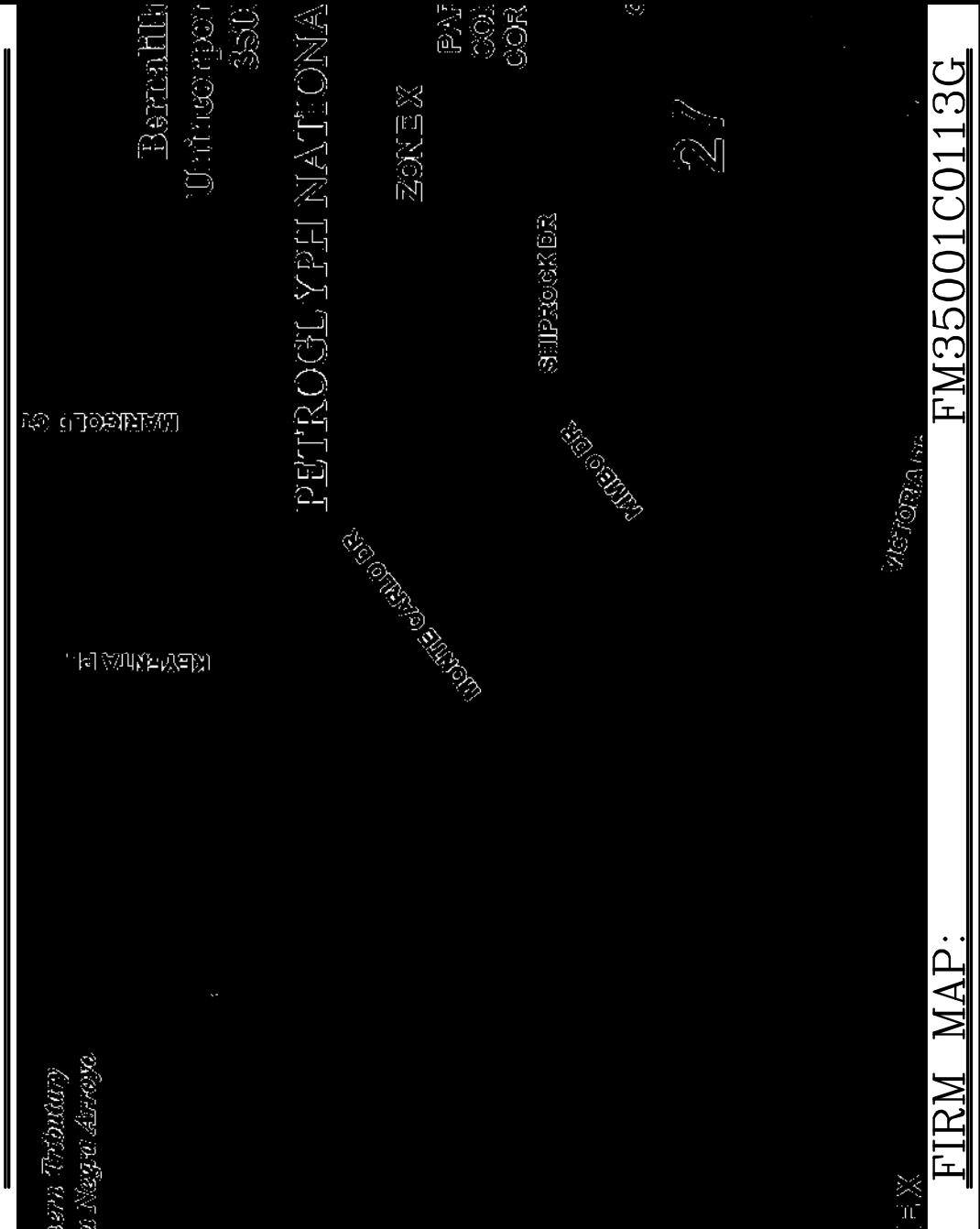
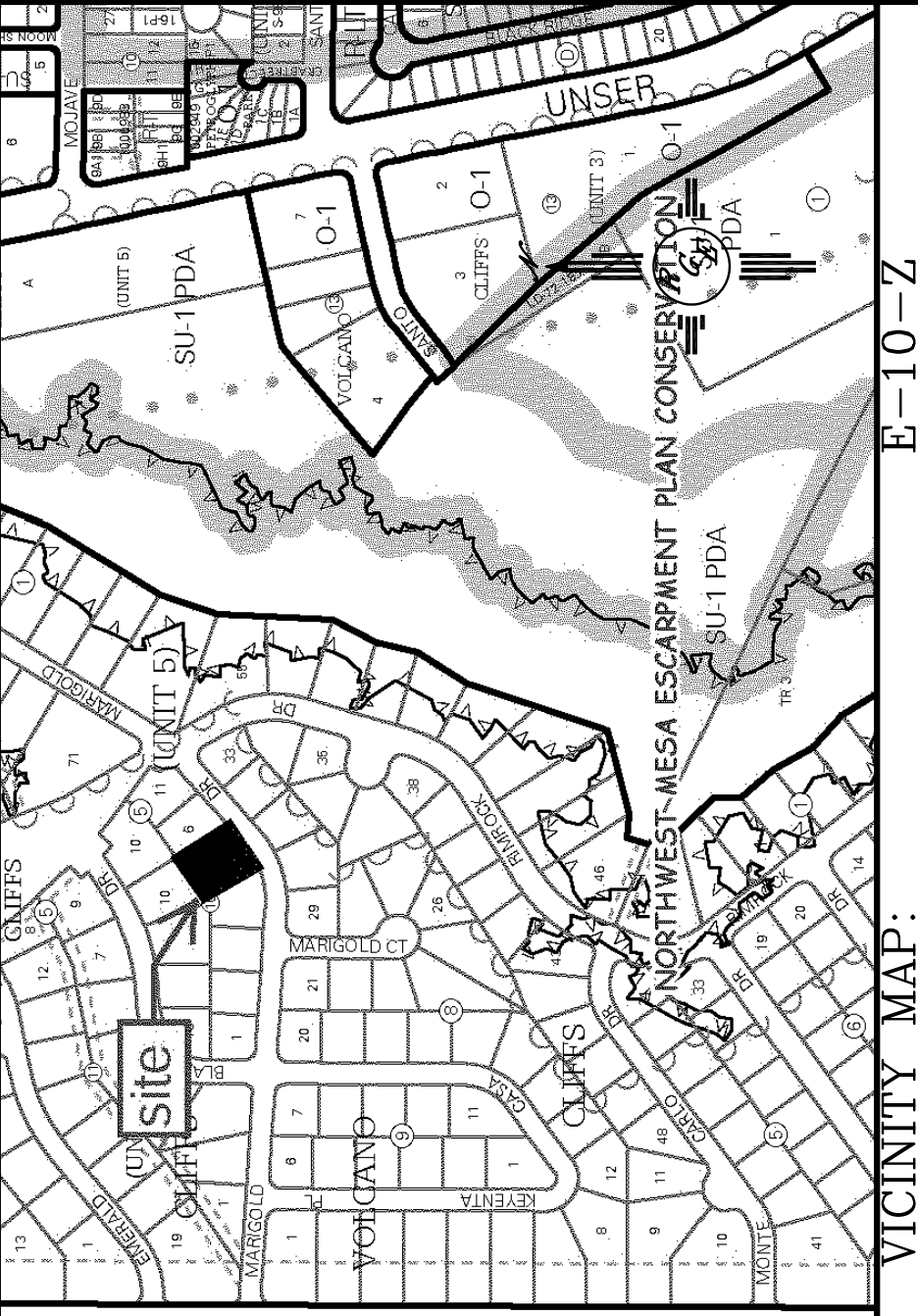
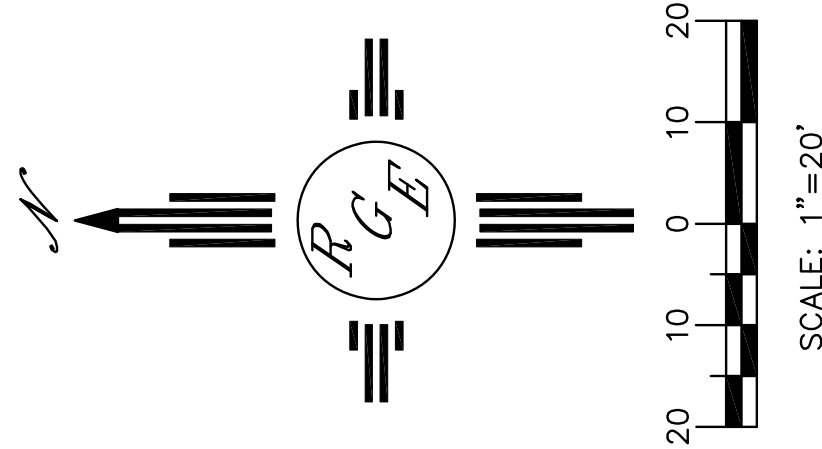
- EROSION CONTROL NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
 - 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 8/31/17



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.



LEGAL DESCRIPTION:

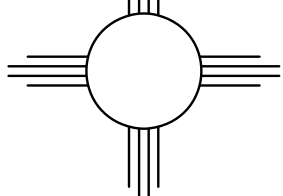
LOT 5 BLOCK 10, VOLCANO CLIFFS UNIT 5

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.
- ALL ON LOT PONDING SHALL BE A MINIMUM OF 10' FROM STRUCTURE

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 CMJ SCREEN WALL, 18" MAX RETAINAGE (DESIGN BY OTHERS)

ENGINEER'S SEAL		7905 MARIGOLD MARQUEZ RESIDENCE		DRAWN BY: WCUJ
		GRADING AND DRAINAGE PLAN		DATE 8-31-17
8/31/17		 <i>Rio Grande Engineering</i> 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 877-0889	SHEET # —	
DAVID SOULE P.E. #14522			JOB # 21790	