

CITY OF ALBUQUERQUE

Planning Department



Mayor Timothy M. Keller

December 28, 2017

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

**Re: Lot 12 Block 9 Volcano Cliffs SAD 228
6520 Papagayo NW
Request Permanent C.O. – Accepted
Engineer's Stamp dated: 4-21-17 (D10D003I12)
Certification dated: 12/22/17**

PO Box 1293

Dear Mr. Soule,

Albuquerque

Based on the Certification received on 12/26/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

NM 87103

If you have any questions, please 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/JH
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: _____

6520 PAPAGAYO												
Weighted E Method												
											100-Year, 6-hr.	
Basin	Area (sq ft)	Area (acres)	Treatment A (% acres)	Treatment B (% acres)	Treatment C (% acres)	Treatment D (% acres)	Weighted (ac-ft)	Volume (ac-ft)	Flow cfs			
ALLOWED	14548.00	0.334	0%	0	10%	0.033	40%	0.1339	80%	0.267	1.43	0.04
PROPOSED	14545.00	0.334	0%	0	37%	0.124	34%	0.1135	29%	0.097	1.155	0.032
												1.00

Equations:
Weighted E = EaAa + EbAb + EcAc + EdAd / (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
Eb= 0.44
Ec= 0.67
Ed= 0.99
Qb= 2.03
Qc= 2.87
Qd= 4.37

ON-SITE Conditions

FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF) 120 PROVIDED (CF) 409

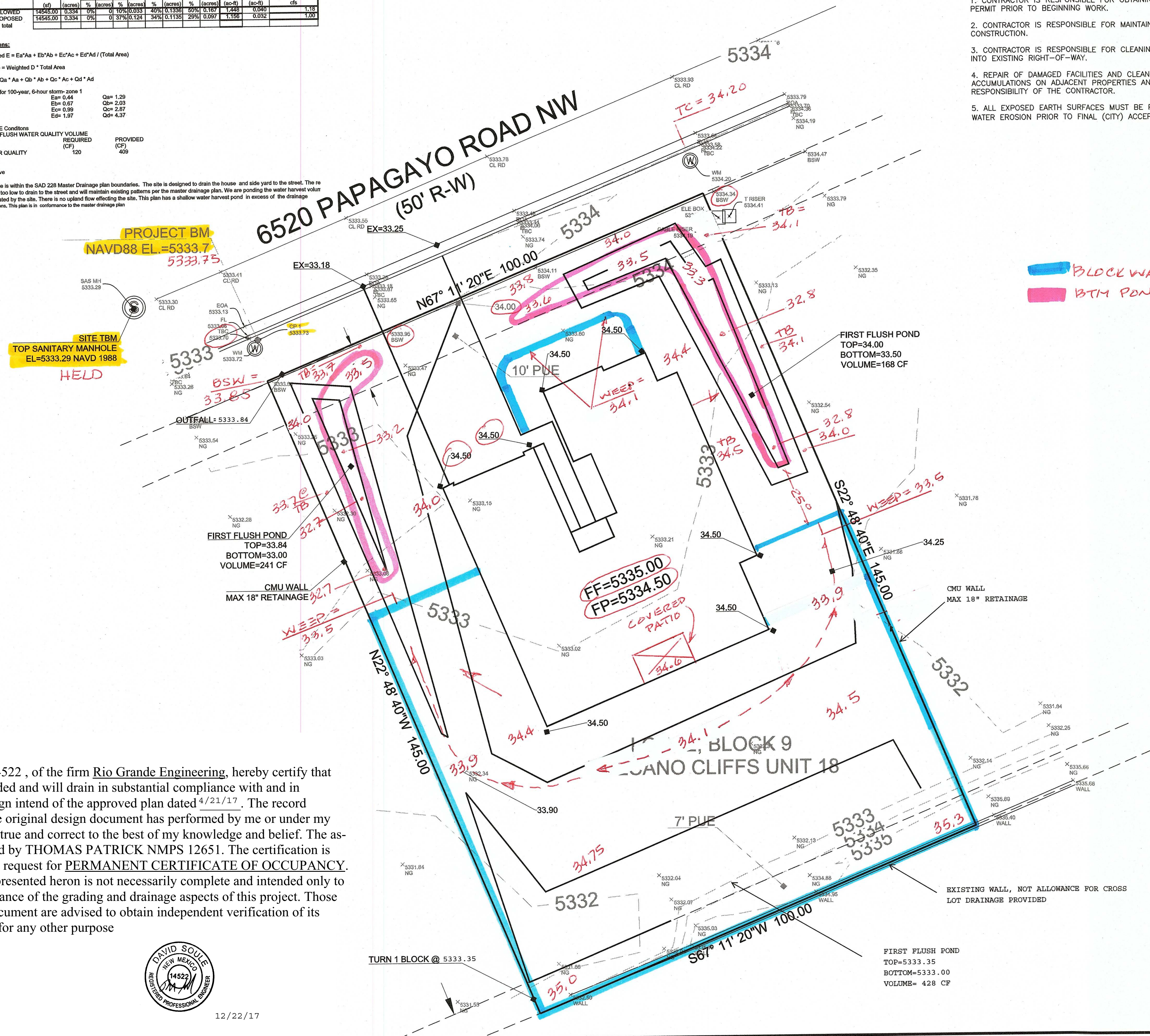
WATER QUALITY

Narrative

This site is within the SAD 228 Master Drainage plan boundaries. The site is designed to drain the house and side yard to the street. The re yard is too low to drain to the street and will maintain existing patterns per the master drainage plan. We are ponding the water harvest volum generated by the site. There is no upland flow affecting the site. This plan has a shallow water harvest pond in excess of the drainage regulations. This plan is in conformance to the master drainage plan

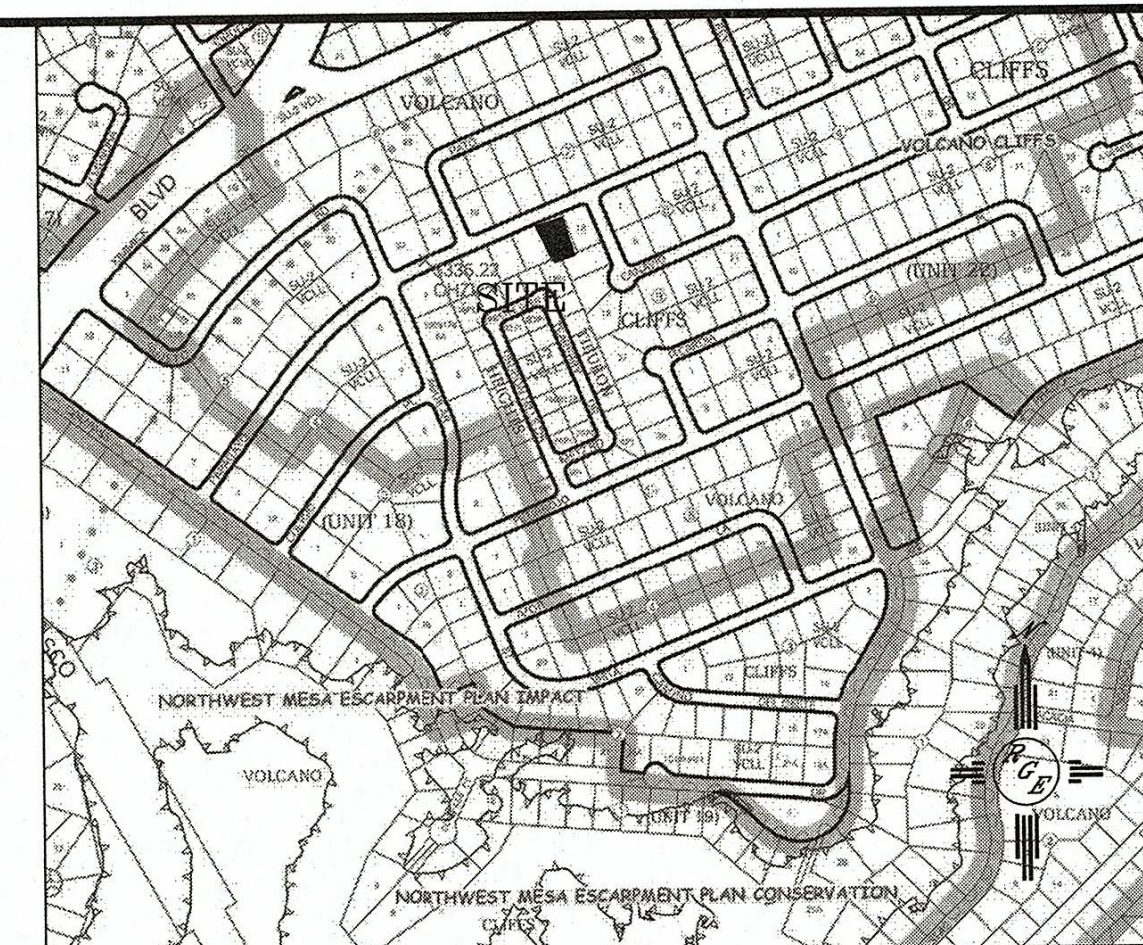
PROJECT BM-
NAVD88 EL.=5333.7
5333.75
SAS MH
5333.29
SITE TBM/
TOP SANITARY MANHOLE
EL.=5333.29 NAVD 1988
HELD

6520 PAPAGAYO ROAD NW
(50' R-W)

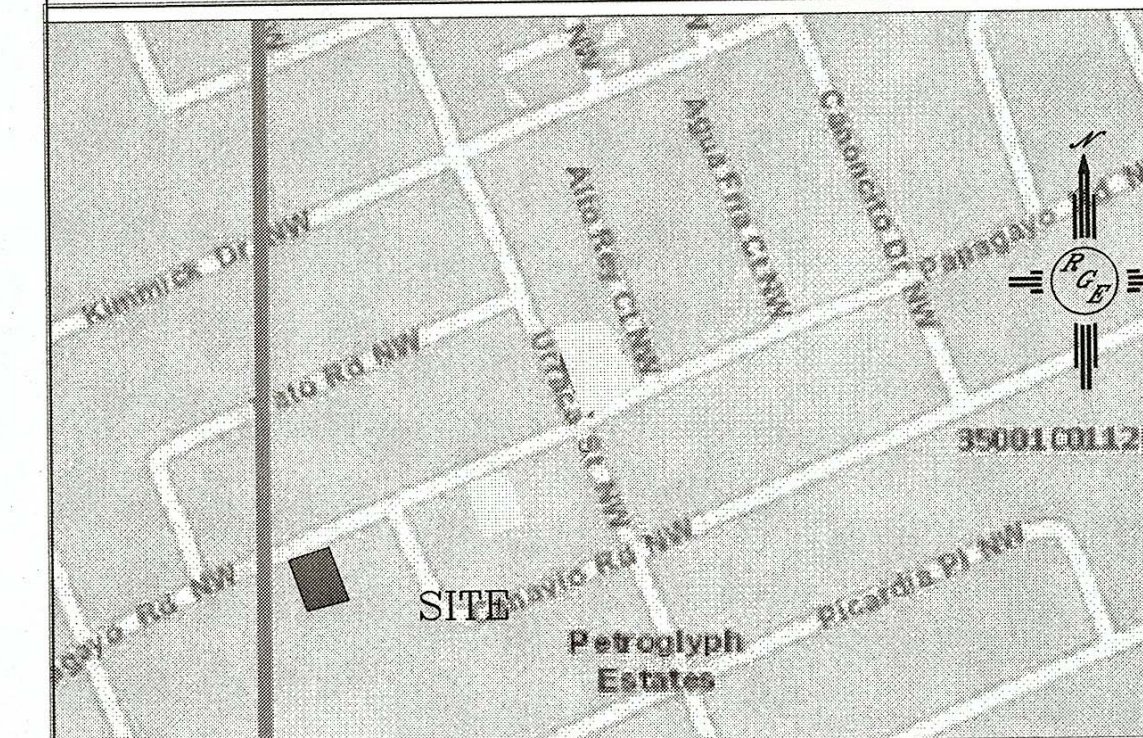


EROSION CONTROL NOTES:

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:

FM35041C0112G

LEGAL DESCRIPTION:

LOT 12 BLOCK 9, UNIT 18 VOLCANO CLIFFS

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS PLAN WAS OBTAINED BY CSTI DATE APRIL 2017
3. ALL DISTURBED AREAS MUST BE RESEED OR LANDSCAPED PRIOR TO FINAL C.O.
4. ALL AREAS OUTSIDE THE BUILDING ENVELOPE MUST BE RESEED WITH NATIVE MIX.
5. DUE TO EXISTING TOPOGRAPHY AND UNDEVELOPED NATURE OF THE DOWN STEAM AREA, PERIODIC MAINTENANCE OF PONDS AND SWALES ARE REQUIRED.
6. A PAD CERTIFICATION IS REQUIRED PRIOR TO ISSUANCE OF BUILDING PERMIT

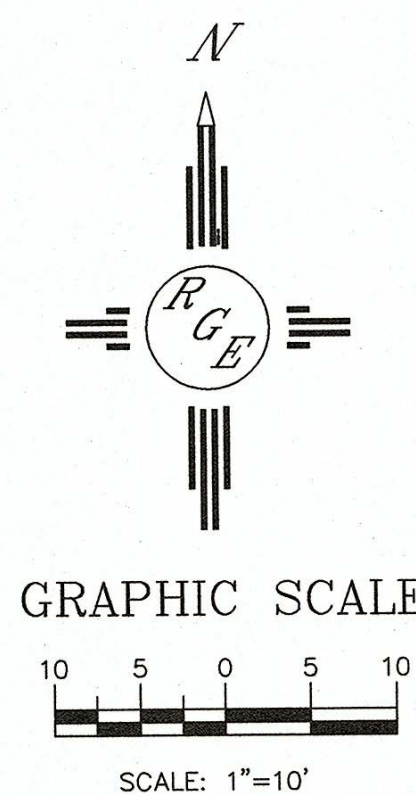
LEGEND


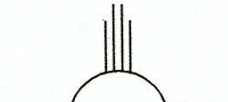
---	EXISTING CONTOUR
---	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
---	PROPOSED FLOWLINE ELEVATIONS
---	PROPERTY LINE

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 4/21/17. 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



12/22/17



ENGINEER'S SEAL	LOT 12 BLOCK 9 VOLCANO CLIFFS UNIT 18	DRAWN BY JDG
	GRADING AND DRAINAGE PLAN	DATE 04-17-2017
	4/21/17	 <i>Rio Grande Engineering</i> 1806 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87108 (505) 872-0999
DAVID SOULE P.E. #14522		JOB #

12-22-17
TCY
GRADING AS-BUILTS