CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director

Mayor Timothy M. Keller

August 8, 2019

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

RE: **Lot 14 Block 6 SAD 228**
Volcano Cliffs Subdivision
6212 Camino Alto NW
Grading and Drainage Plan
Engineers Stamp Date 2/28/18 (D10D003B14)
CO Certification Dated: 8/7/19

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/7/19, this plan cannot be approved for Certificate of Occupancy until the following comments are addressed.

- There is erosion in the rear yard, sending sand into the Petroglyph area. Show how this will be prevented and have the owner fix the problem.
- There is erosion in the front yard from the pond into the neighbor's yard. Show how this will be prevented and have the owner fix the problem.
- Provide erosion protection in the front yard.
- Provide erosion protection in the west side yard.

If you have any questions, please contact me at 924-3995 or Rudy Rael at 924-3977.

Sincerely,

Renee Brissette

Renee Brissette, P.E.
Senior Engineer, Hydrology
Planning Department

RR/RB
C: File D10D003B14

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6212 camino alto Building Permit #:_____ Hydrology File #. D10D003B14

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: LOT 14 BLOCK 6 UNIT 22 VOLCANO CLIFFS

City Address: 6212 camino alto

Applicant: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Other Contact: RIO GRANDE ENGINEERING Contact: DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: david@riograndeengineering.com

TYPE OF DEVELOPMENT: ___ PLAT X RESIDENCE ___ DRB SITE ___ ADMIN SITE

Check all that Apply:

DEPARTMENT:

X HYDROLOGY/ DRAINAGE

___ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

X ENGINEER/ARCHITECT CERTIFICATION

___ PAD CERTIFICATION

___ CONCEPTUAL G & D PLAN

___ GRADING PLAN

___ DRAINAGE REPORT

___ DRAINAGE MASTER PLAN

___ FLOODPLAIN DEVELOPMENT PERMIT APPLIC

___ ELEVATION CERTIFICATE

___ CLOMR/LOMR

___ TRAFFIC CIRCULATION LAYOUT (TCL)

___ TRAFFIC IMPACT STUDY (TIS)

___ STREET LIGHT LAYOUT

___ OTHER (SPECIFY) _____

___ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: X Yes ___ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

___ BUILDING PERMIT APPROVAL

X 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

___ FLOODPLAIN DEVELOPMENT PERMIT

___ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ By: _____

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED:_____

FEE PAID:_____

Weighted E Method

Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr. Weighted	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs
UPLAND	25861.00	0.594	0%	0	10%	0.059	40%	0.2375	50%	0.297	1.448	0.072	2.10
ALLOWED	13730.00	0.315	0%	0	10%	0.032	40%	0.1261	50%	0.158	1.448	0.038	1.11
PROPOSED	13730.00	0.315	0%	0	30%	0.095	42%	0.1324	28%	0.088	1.168	0.031	0.96

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 Conditons

FIRST FLUSH WATER QUALITY VOLUME

	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	109	1556

Narrative

This site is within the SAD 228 Master Drainage plan boundaries. The site is designed to drain the front portion to the streat and there rear port to the national monument. The drainage divide is in accordance to the master drainage plan basin lines. The site is impacted by the upland flo the amount of 2.1 cfs. The site will pond in excess of the first flush volume required. This plan is in conformance to the master drainage plan

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 2/28/18 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

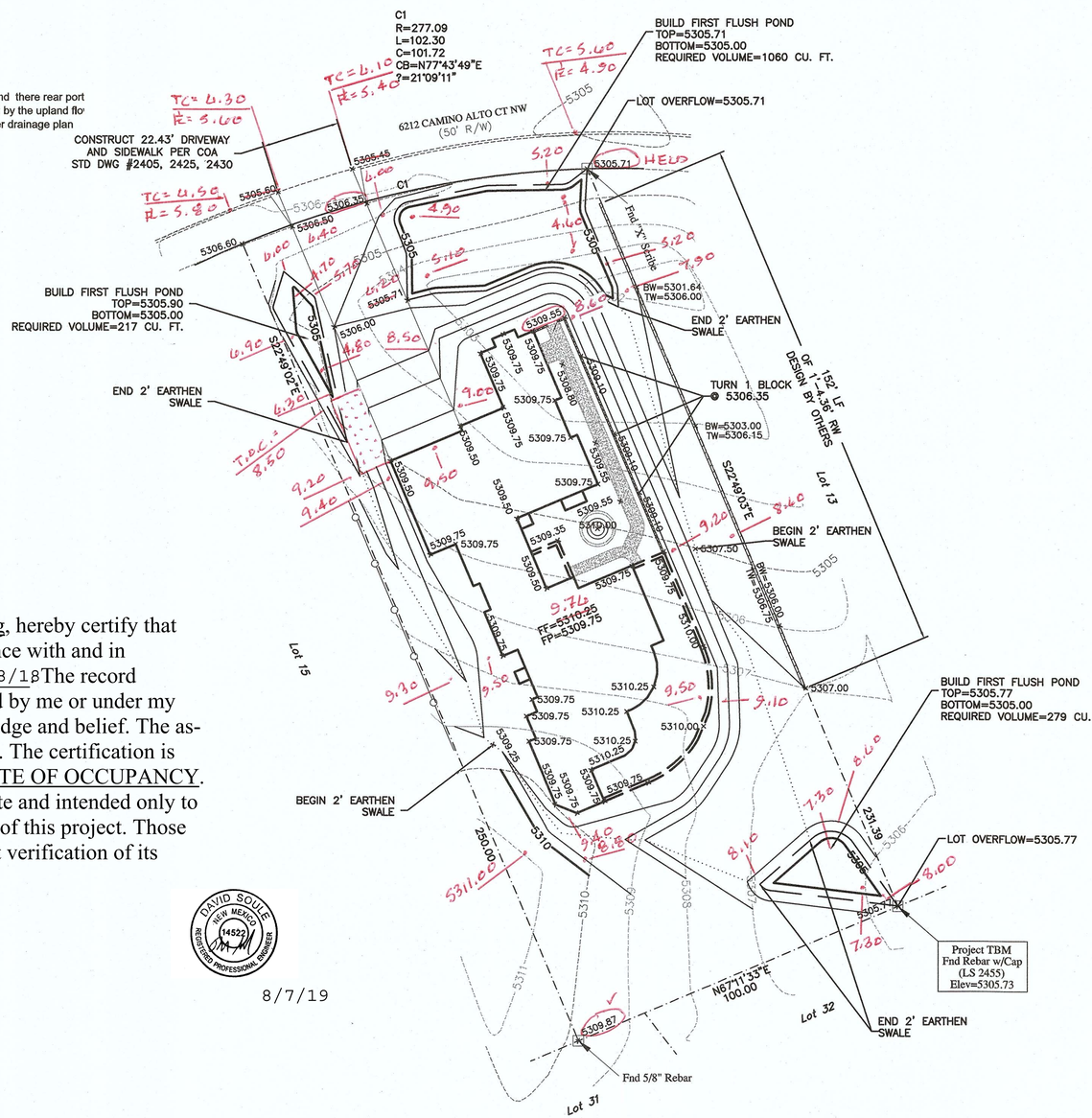
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

8/7/19

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 2/28/18

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

2/28/18



EROSION CONTROL NOTES:

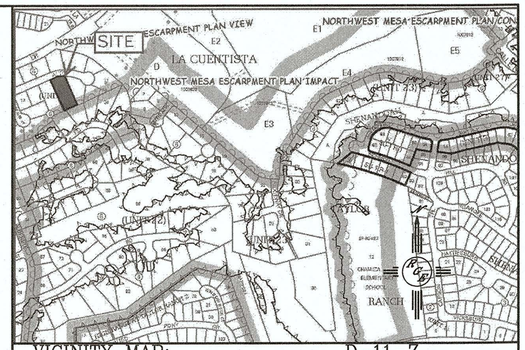
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

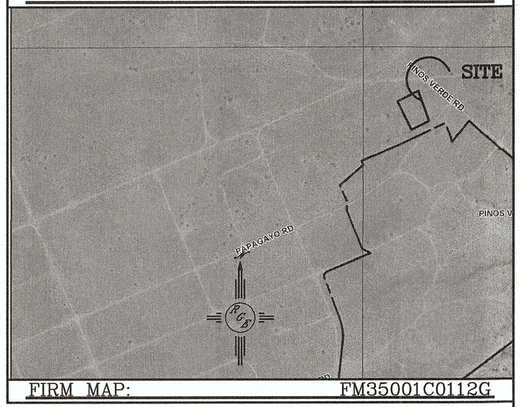
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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 ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: D-11-Z



FIRM MAP: FM35001C0112G

LEGAL DESCRIPTION:

Lot 14, Block 6, Volcano Cliffs Unit 22

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. A PAD CERTIFICATION IS REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT

4. ANY PERIMETER WALLS SHALL BE CONSTRUCTED UNDER A SEPARATE BUILDING PERMIT AND MUST CONFORM TO THE APPROVED GRADING PLAN ALLOWING CROSS LOT DRAINAGE

5. FINISHED PAD ELEVATION PROVIDED BY CONTRACTOR AT OWNERS REQUEST. ANY POTENTIAL TOTAL BUILDING HEIGHT LIMITATIONS ARE OUTSIDE OF THE SCOPE OF THIS GRADING PLAN
SHED PAD ELEVATION PROVIDED BY CONTRACTOR AT OWNERS REQUEST. ANY POTENTIAL TOTAL BUILDING HEIGHT LIMITATIONS ARE OUTSIDE OF THE SCOPE OF THIS GRADING PLAN

LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- SLOPE TIE
- XXXX EXISTING SPOT ELEVATION
- XXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EXISTING CURB AND GUTTER
- PROPOSED CMU SCREEN WALL

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 DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER 2/28/18 DAVID SOULE P.E. #14522	6212 CAMINO ALTO CT NW WALTON RESIDENCE GRADING AND DRAINAGE PLAN Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	DRAWN BY WCWJ DATE 2-28-18 21844-LAYOUT-1-05-18 SHEET # — JOB # 21844