

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

August 3, 2022

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

**Re: Lot 1 Block 8 SAD 227
Volcano Cliffs Subdivision Unit 5
6223 Kayenta Dr. NW
Grading and Drainage Plan
Engineers Stamp Date 3/18/2021 (E10D102)
CO Certification Dated: 8/1/2022**

PO Box 1293

Mr. Soule

Albuquerque

Based on the Certification received on 8/3/2022, the site is acceptable for release of Certificate of Occupancy by Hydrology.

NM 87103

Sincerely,

www.cabq.gov

Shahab Biazar, P.E.
City Engineer, Planning
Development Services

RR/SB
C: File E10D102



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6223 KAYENTA **Building Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: lot 1 BLOCK 8 VOLCANO CLIFFS UNIT 5

City Address: 6223 KAYENTA

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 ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

☒ 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?: ☒ Yes ☐ No

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
☐ FLOODPLAIN DEVELOPMENT PERMIT
☐ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method

										100-Year, 6-hr.			24 hour	
Basin	Area (sf)	Area (acres)	Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
ALLOWED	26476.00	0.608	0%	0	24%	0.146	40%	0.2431	36%	0.219	1.268	0.064	1.95	0.073
PROPOSED	26476.00	0.608	0%	0	24%	0.146	44%	0.2674	32%	0.194	1.227	0.062	1.91	0.070
COMPARISON												-0.002		-0.003

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

FIRST FLUSH WATER QUALITY VOLUME

REQUIRED (CF) 0 PROVIDED (CF) 0

WATER QUALITY FLOOD CONTROL 0 0

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 to the east per the master drainage plan. The site does not exceed the SAD 227 developed conditions assumptions, therefore ponding is not required. Due to height restrictions we have incorporated ponding to minimize the pad height as much as possible. Upland flow does not impact this lot due to the roadway. 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 3/18/21. 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



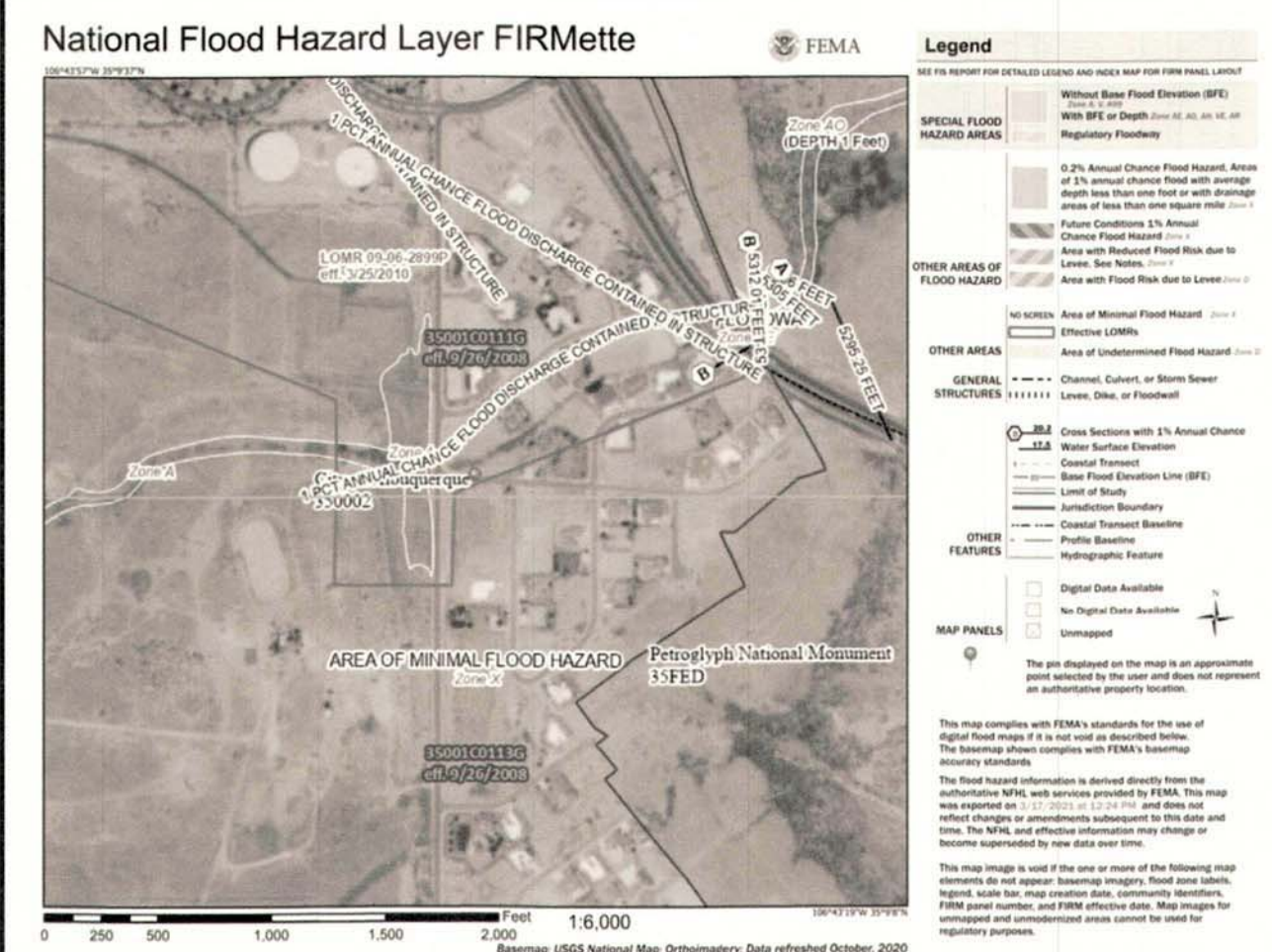
8/1/22

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: E-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 1 BLOCK 8 UNIT 5 VOLCANO CLIFFS SUBDIVISION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

-----	EXISTING CONTOUR
-----	EXISTING INDEX CONTOUR
-----	PROPOSED CONTOUR
-----	PROPOSED INDEX CONTOUR
XXXXX	EXISTING SPOT ELEVATION
XXXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
-----	PROPOSED EARTHEN SWALE
-----	PROPOSED CONCRETE

PAD CERTIFICATION



HARRIS SURVEYING
1308 Cielo Vista Del Sur N.W.
Corralitos, NM 87704
Phone (505) 889-8056

November 9, 2021

To Whom it may concern

Harris Surveying Inc. verified the finish pad grade at 6223 Keyenta Place N.W. to be 5332.6 feet with the plan grade at 5332.5 feet. The field work was performed on November 1, 2021.

Sincerely,

Anthony L. Harris
Anthony Harris
Harris Surveying



CAUTION:

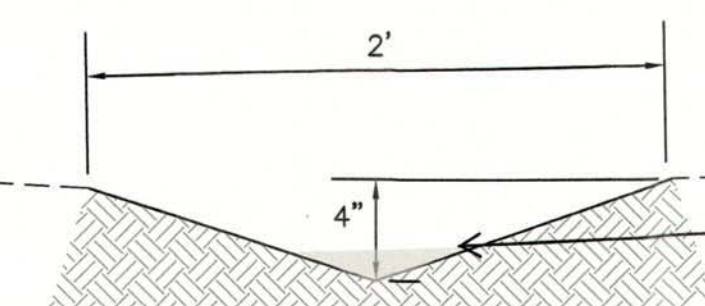
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

As-built Elevations shown are
based on Field information taken
on 7-23-22

Anthony L. Harris

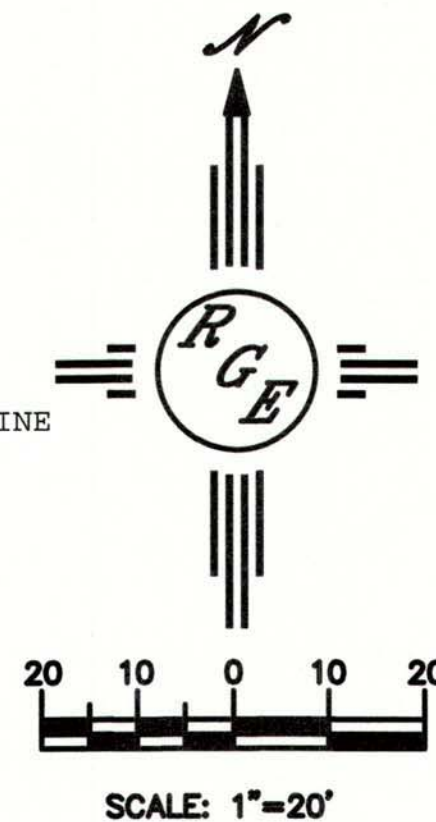


CONSTRUCT ALL SWALES AND EROSION PROTECTION
(SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE
RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



EARTHEN SWALE
NTS

INSTALL 2" GRAVEL AT FLOWLINE
DURING LANDSCAPING



SCALE: 1"=20'

ENGINEER'S SEAL DAVID SOULE P.E. #14522	LOT 1 BLK 8 UN 5 VC KEYENTA PLACE NW 6223	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 3-18-21
Río Grande Engineering PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9089		SHEET # C1
		JOB #