

# CITY OF ALBUQUERQUE

*Planning Department*  
Alan Varela, Director



*Mayor Timothy M. Keller*

June 1, 2023

David Soule, PE  
Rio Grande Engineering  
PO Box 93924  
Albuquerque, NM 87199

**RE: Lot 10 Block 5 Unit 19 SAD 228  
6519 Azor lane NW  
Volcano Cliffs Subdivision  
Grading and Drainage Plan  
Engineers Stamp Date 3/8/2020 (D10D003H10)  
Pad Certificate Date: 5/12/2021  
CO Certification Date: 5/9/2023**

PO Box 1293  
Mr. Soule:

Based on the Certification received on 5/28/2023, the site is acceptable for release of Certificate of Occupancy by Hydrology.

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

NM 87103  
Sincerely,

www.cabq.gov  
Tiequan Chen, P.E.  
Principal Engineer, Hydrology  
Planning Department, Development Review Services

RR/TC  
File: D10D003H10



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 6519 Azor NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** LOT 10 , BLOCK 5 VOLCANO CLIFFS UNIT19

**City Address:** 6519 Azor NW

**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.																	
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volumes (ac-ft)	Flow cfs								
ALLOWED PROPOSED COMPARISON	13982.00	0.321	0%	0	20% 0.064	46% 0.1477	34% 0.109	1.259	0.034	1.03							
	13982.00	0.321	0%	0	20% 0.064	37% 0.1188	43% 0.138	1.347	0.036	1.07							
									0.002								

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)  
201

WATER QUALITY  
FLOOD CONTROL  
103

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway lot to the south per the master drainage plan. We are ponding the water harvest volume generated by the site there is not measurable upland flow. This plan exceeds the allowed impervious area therefore we are required to retain the overage.

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 3/8/20 . The certification is submitted in support of a request for **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.



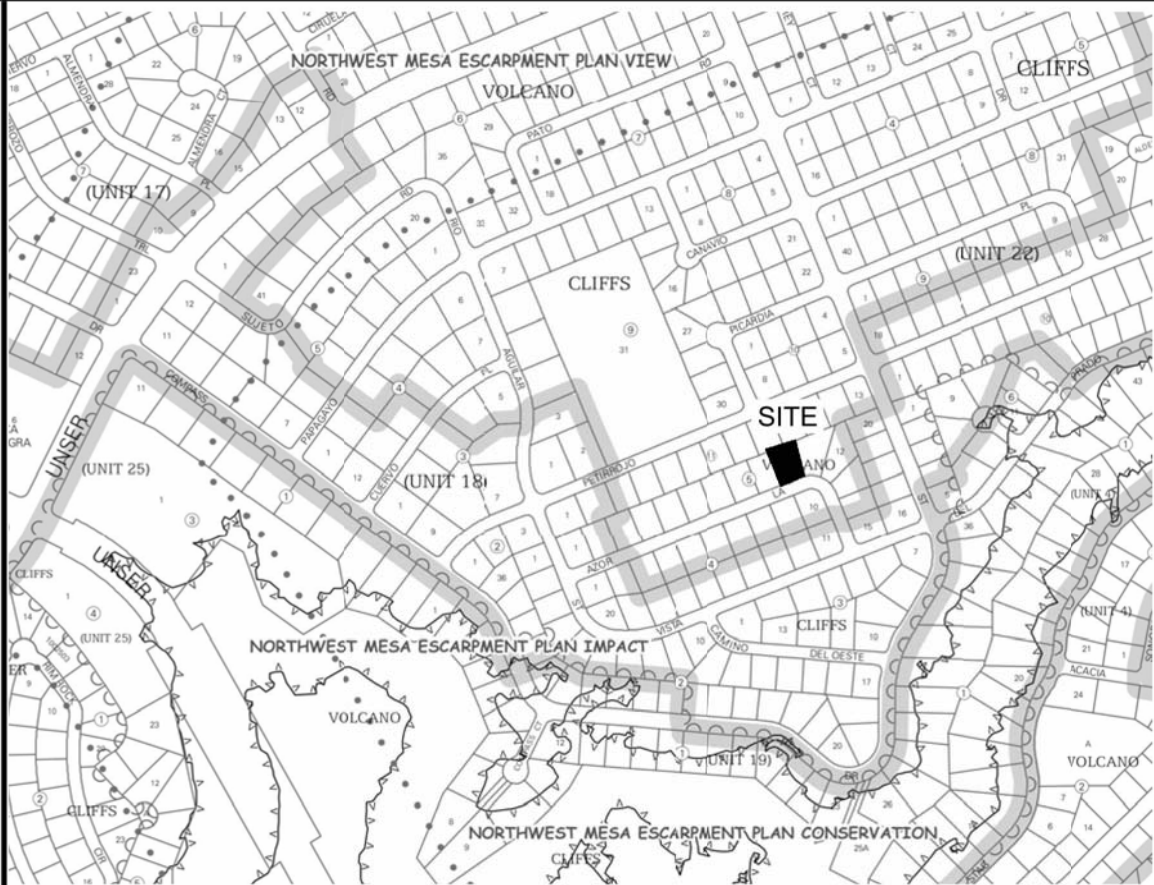
EROSION CONTROL NOTES:

- 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 3/8/20

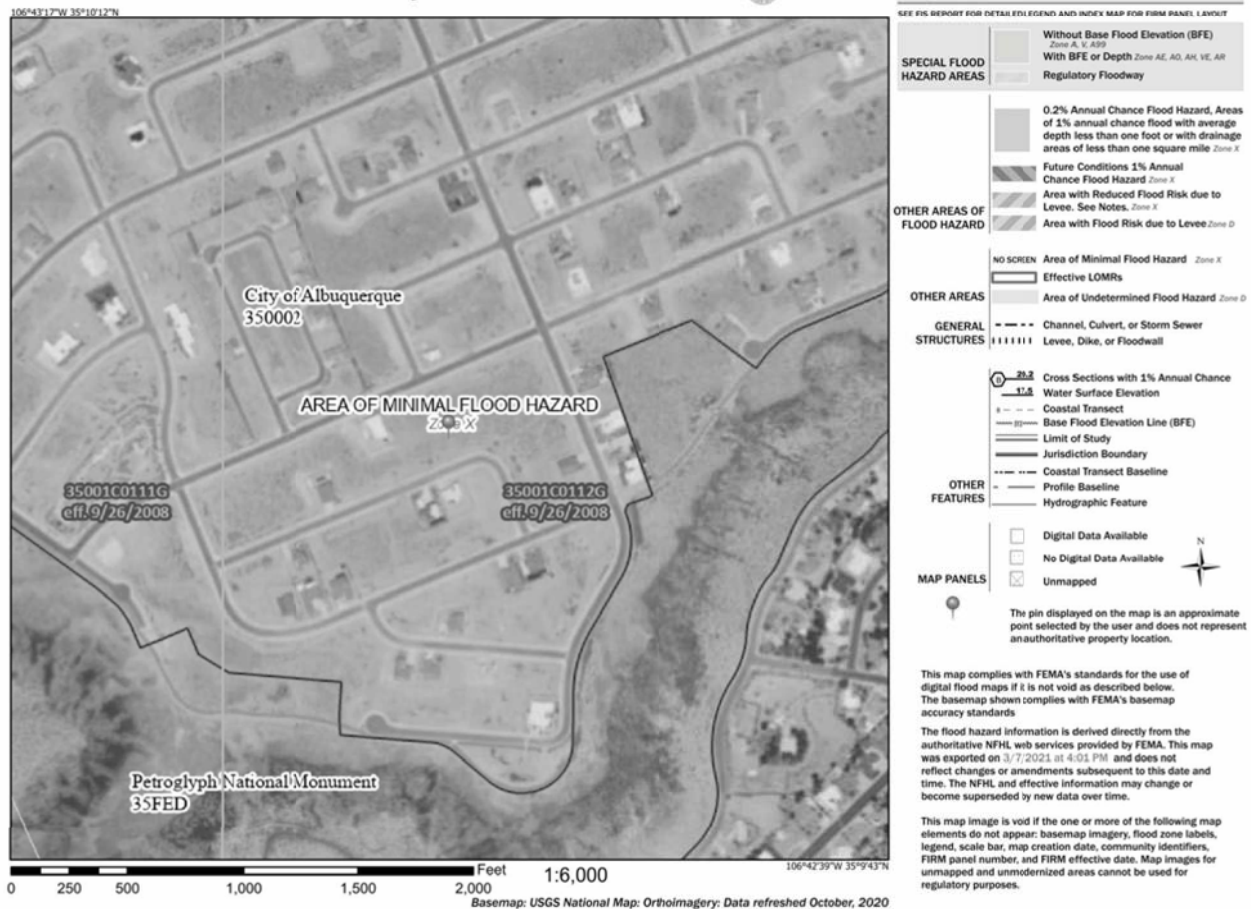


5/12/21



VICINITY MAP: D-10-Z

National Flood Hazard Layer FIRMette



FIRM MAP:

LEGAL DESCRIPTION:

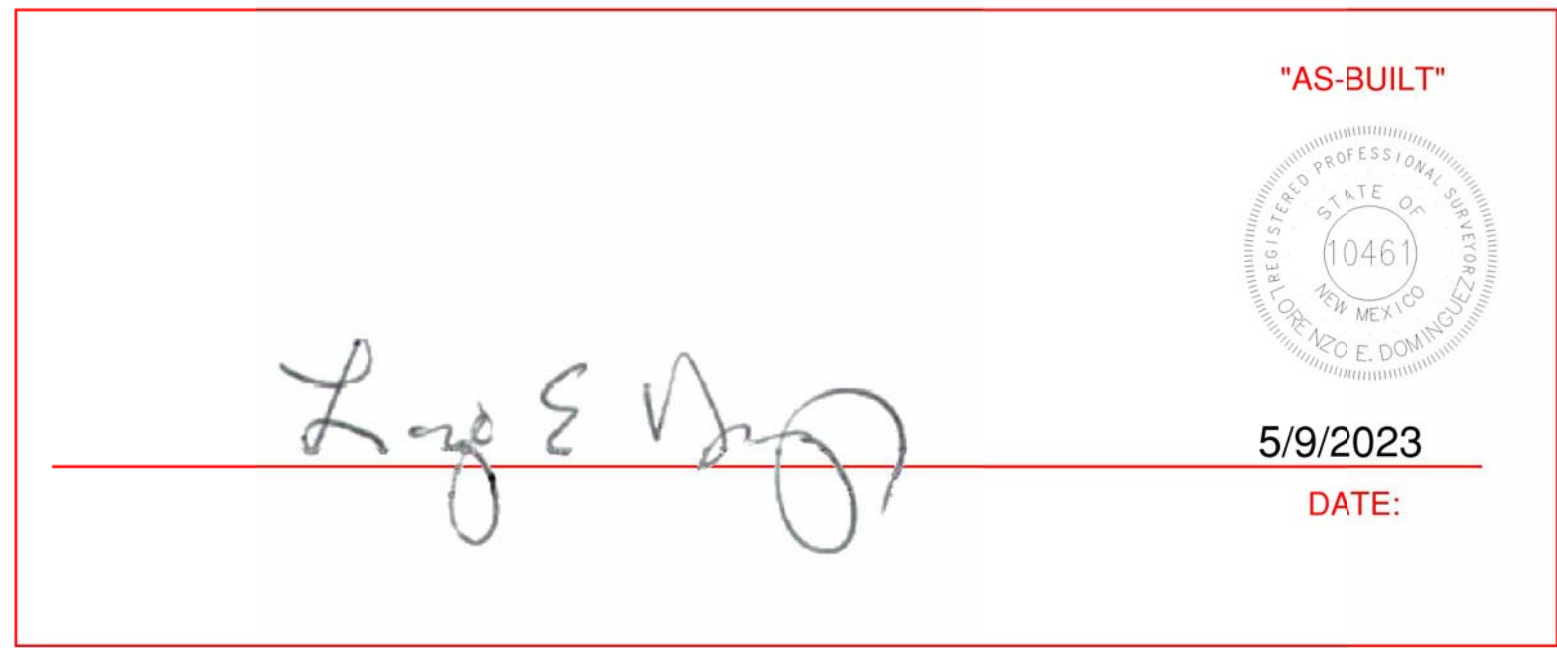
LOT 10 BLOCK 5 VOLCANO CLIFFS UNIT 19  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

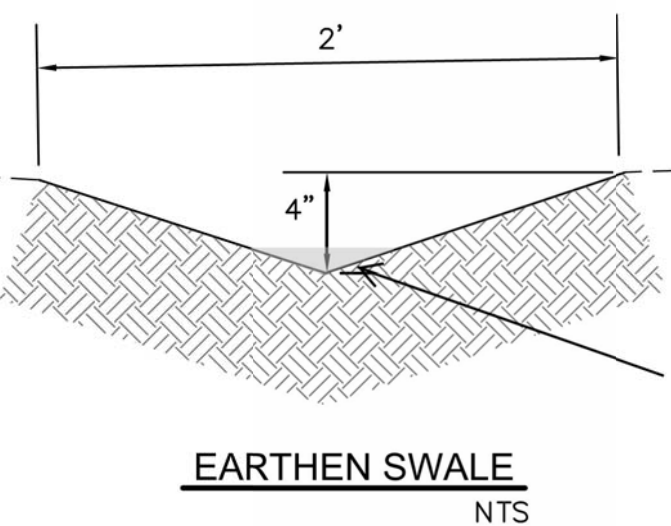
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

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



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



CAUTION:

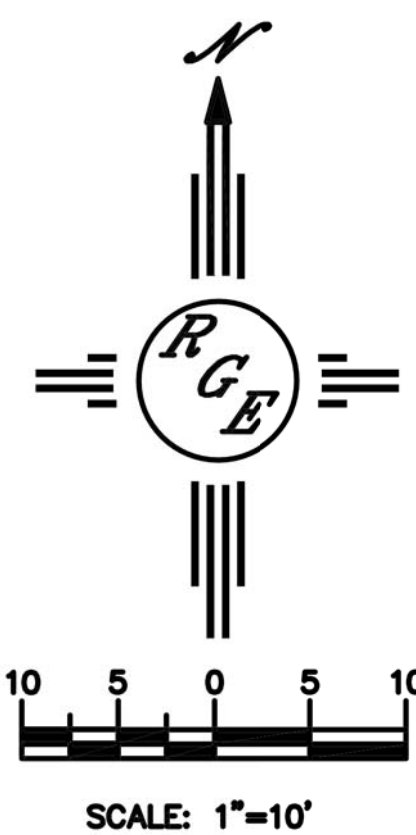
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EARTHEN SWALE  
NTS

2" GRAVEL LAYER  
AT FLOW LINE

6519 AZOR LANE  
(50' R-W)

PROJECT BM  
ELEV = 5331.06'



ENGINEER'S SEAL 	LOT 10 BLK 5 UN 19 VC 6519 AZOR LANE	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 3-8-21
 RIO GRANDE ENGINEERING P.O. BOX 53824 ALBUQUERQUE, NM 87199 (505) 321-8099		LOT 10 BLOCK 5 VC UNIT 19 DWG
		SHEET # C1
DAVID SOULE P.E. #14522		JOB #