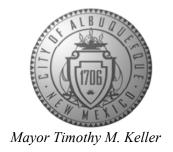
CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



May 4, 2021

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

RE: Lot 13 Block 15 Unit 19 SAD 228 6509 Azor NW Volcano Cliffs Subdivision Grading and Drainage Plan Engineers Stamp Date 5/1/2021 (D10D003H13)

Mr. Soule,

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 5/3/2021, this plan is approved for Grading Permit.

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained with the approved G&D plan and Pad Certification. Also, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

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

Sincerely,

Ernest Armijo, P.E. Principal Engineer, Planning Dept. Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6509 Azor NW	Building Permit #:	Hydrology File #:					
DRB#:	EPC#:	Work Order#:					
Legal Description: LOT 13, BLOCK	5 VOLCANO CLIFFS	UNIT19					
CEOO 3 3 3777		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					
Applicant:		Contact:					
Address:							
Phone#:	_ Fax#:	E-mail:					
Other Contact: RIO GRANDE ENGIN	EERING						
Address: PO BOX 93924 ALB NM							
		E-mail: david@riograndeengineering.com					
TYPE OF DEVELOPMENT:PLAT							
Check all that Apply:							
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN X GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT A ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?: YesX N	X BU	F APPROVAL/ACCEPTANCE SOUGHT: ILDING PERMIT APPROVAL RTIFICATE OF OCCUPANCY ELIMINARY PLAT APPROVAL E PLAN FOR SUB'D APPROVAL E PLAN FOR BLDG. PERMIT APPROVAL IAL PLAT APPROVAL IAL PLAT APPROVAL IAL PLAT APPROVAL IANDATION PERMIT APPROVAL ADING PERMIT APPROVAL IP APPROVAL VING PERMIT APPROVAL ADING/PAD CERTIFICATION INTERCOPPER					
DATE SUBMITTED:	*						
COA STAFF:	ELECTRONIC SUBMITTAL RE	CEIVED:					

FEE PAID:_____

Weighted E Method

									100-Year, 6-hr.					
Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow	
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	
ALLOWED	13330.00	0.306	0%	0	20%	0.061	46%	0.1408	34%	0.104	1.259	0.032		0.98
PROPOSED	13330.00	0.306	0%	0	20%	0.061	29%	0.0887	51%	0.156	1.426	0.036		1.06
COMPARISON												0.004		

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 Conditions

FIRST FLUSH WATER QUALITY VOLUME

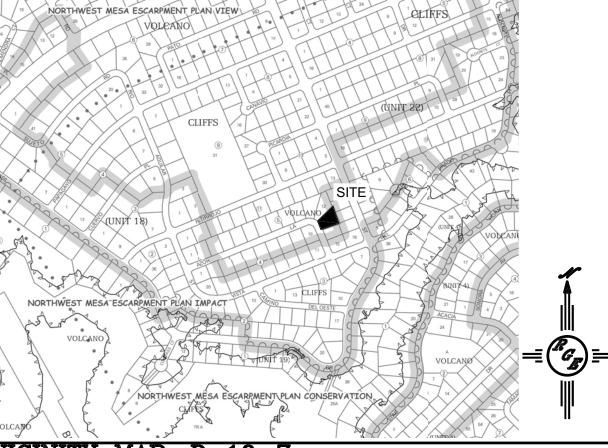
PROVIDED REQUIRED (CF) (CF) WATER QUALITY FLOOD CONTROL

Narrative

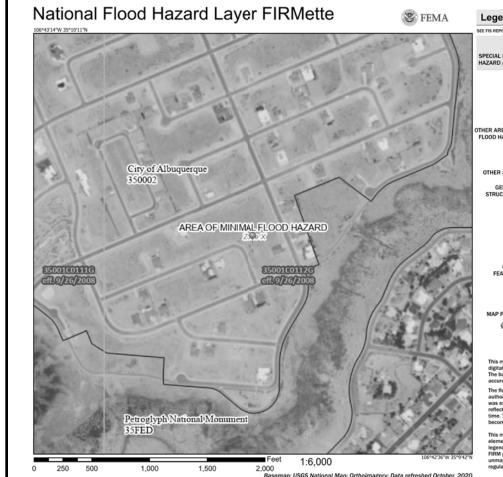
This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the the adjacent roadway lot to the south per the master drainage plan. We are ponding the water harvest volume generated by the site there is not measurable upland flow. This plan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

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-10-Z



R AREAS Area of Undetermined Flood Hazard 2

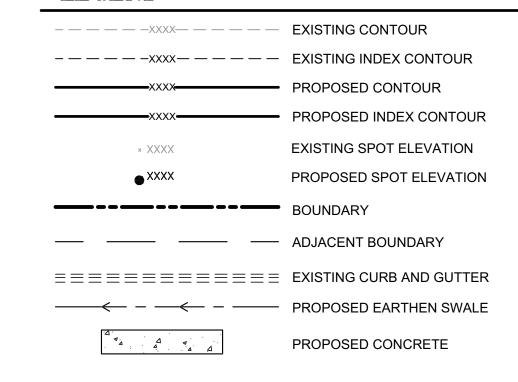
LEGAL DESCRIPTION:

LOT 13 BLOCK 5 UNITI9 VOLCANO CLIFFS
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

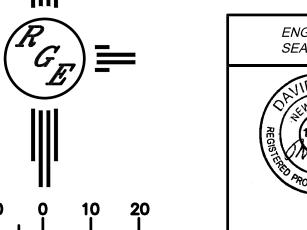
NOTES:

- 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 PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD
- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

LEGEND



INTALL 2" LAYER OF GRAVEL AT FLOW LINE



SCALE: 1"=20'

Lot 13 Blk 5 Un |9 VC **ENGINEER'S** SEAL 5/1/21

6509 AZOR LANE NW GRADING AND DRAINAGE PLAN

Rio Grande Engineering PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099

DRAWN

 BY DEM

DATE 4-30-21

Lot 13 Blk 5 Un 9 VC.dwg

SHEET#

JOB#

C1

DAVID SOULE P.E. #14522

RETENTION POND TOP = 5330.25 BOTTOM = 5329.50

VOLUME=186CF

FF = 5333.50

FP = 5333.00

EARTHEN SWALE

CONSTRUCT ALL SWALES AND EROSION PROTECTION

(SHOWN HATCHED) BELOW ADJACENT GRADE TO ENDSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

8" DIAMETER AREA DRAIN

64 LF OF 4" PVC OULET PIPE

GRATE = 5332.85

INV. IN = 5331.50

INV. OUT = 5331.00

EARTHEN SWALE

ADJACENT LOT UNDER CONSTRUCTION

APPROVED GRADING PLAN SHOW FLOW DRAINING TO STREET

-----5333-----

-----5332-----

PROJECT BM

ELEV. = 5330.93'

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.