# CITY OF ALBUQUERQUE

*Planning Department* Brennon Williams, Director



Mayor Timothy M. Keller

November 24, 2020

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

RE: Lot 39 Block 6 Volcano Cliffs Unit 18 SAD 228 6520 Petirrojo Rd. NW Grading and Drainage Plan Engineers Stamp Date; 8/11/2019(D10D003H26) Pad Certification Date; 9/5/2019 Revised Date for pool; 11/18/2020

Dear Mr. Soule,

- PO Box 1293 Based upon the information provided in your submittal received 11/24/2020, this revised plan dated, 11/18/2020 is approved for pool addition.
- Albuquerque Please inform the builder/owner to attach a copy of this approved plan and this letter to the construction sets in the permitting process prior to sign-off by Hydrology.
- NM 87103 Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

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

**G**:.....

Sincerely,

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

Weighted E Method																
Γ	100-Year, 6-hr.											]				
	Basin	Basin Area Area Treatment A Treatment B Treatment C Treatment D						Weighted E	Volume	FI	ow	1				
		(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	с	fs	
Ē	ALLOWED	14040.00	0.322	0%	0	20%	0.064	46%	0.1483	34%	0.110	1.259	0.034		1.04	1
	PROPOSED	14040.00	0.322	0%	0	20%	0.064	47%	0.1515	-33%	0.106	<u> </u>	0.034	0.035	1.03	1.05
	COMPARISON							42		38			<del>-0.000</del>	0.001		]

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								
	Ec= 0.99								
	Ed= 1.97	Qd= 4.37							
ONSITE Conditons FIRST FLUSH WATER Q	UALITY VOLUME								
	REQUIRED	PROVIDED							
	(CF)	(CF)							
WATER QUALITY	0	144							
FLOOD CONTROL	<del>- ^-</del>	144							
	46								

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 to the south per the master drainage plan. We are ponding 144 CF of the water harvest volume generated by the site. there is not measurable upland flow. This plan does not exceed the allowed impervious area therefore we are not required to retain. This plan is in conformance to the master drainage plan

THIS PLAN HAS BEEN MODIFIED TO INCORPORATE A NEW POOL THE DRAINAGE PATTERNS WILL REMAIN AND THE EXISTIGN PONDING IS SUFFICIENT FOR HTE 46 CF REQUIRED



#### **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. 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 8/11/19 BASED UPON APPROVAL FROM DESIGN ENGINEER THE PAD HAS BEEN CONSTRUCTED 12"HIGHER. THE DRAINAGE CONCEPT HAS NOT CHANGED. I CERTIFY THE PAD IS AT A GRADE THAT CONFORMS TO THE APPROVED PLAN AND ACCEPTABLE FOR RELEASE OF BUILDING PERMIT



### EROSION CONTROL NOTES:

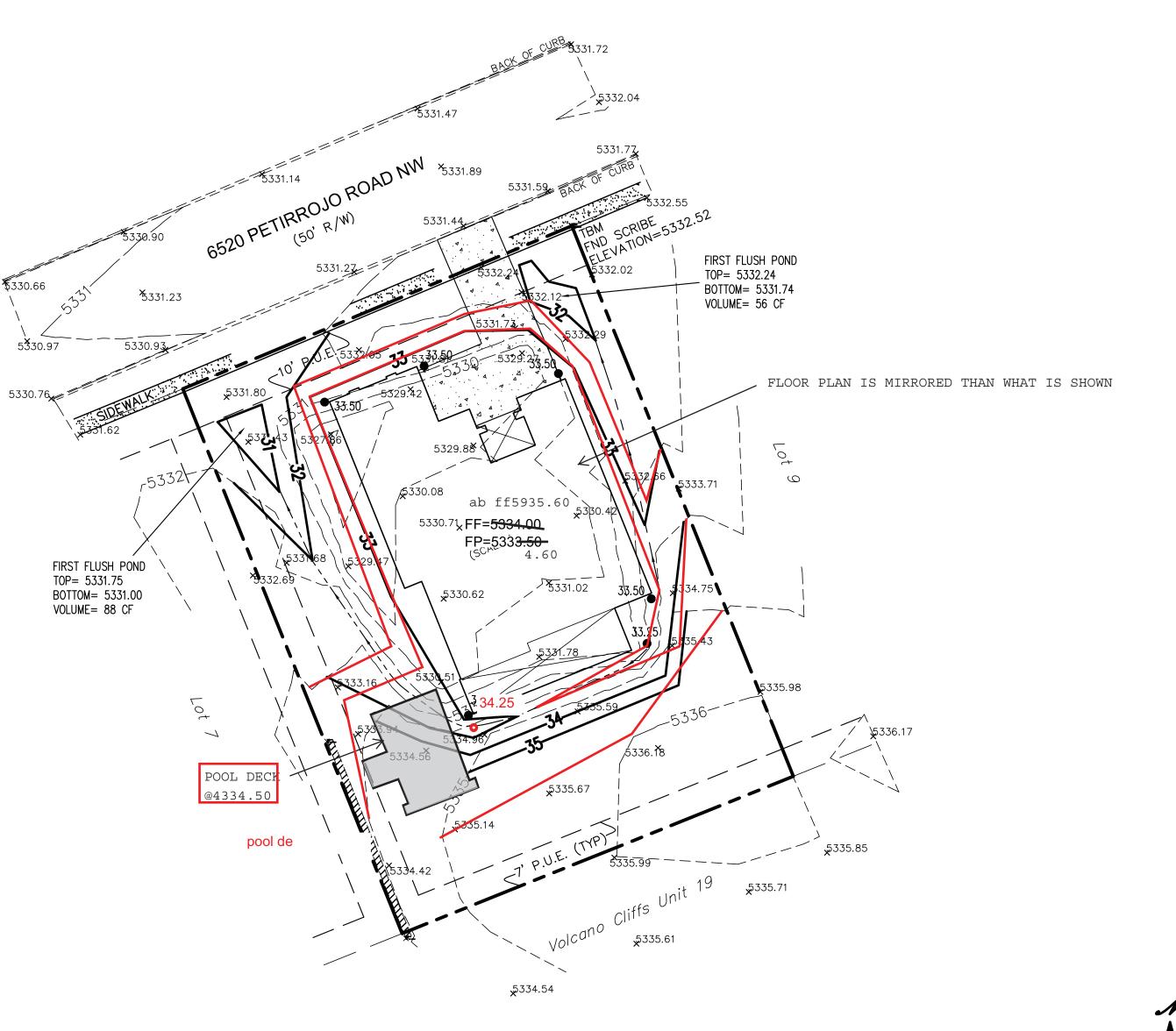
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

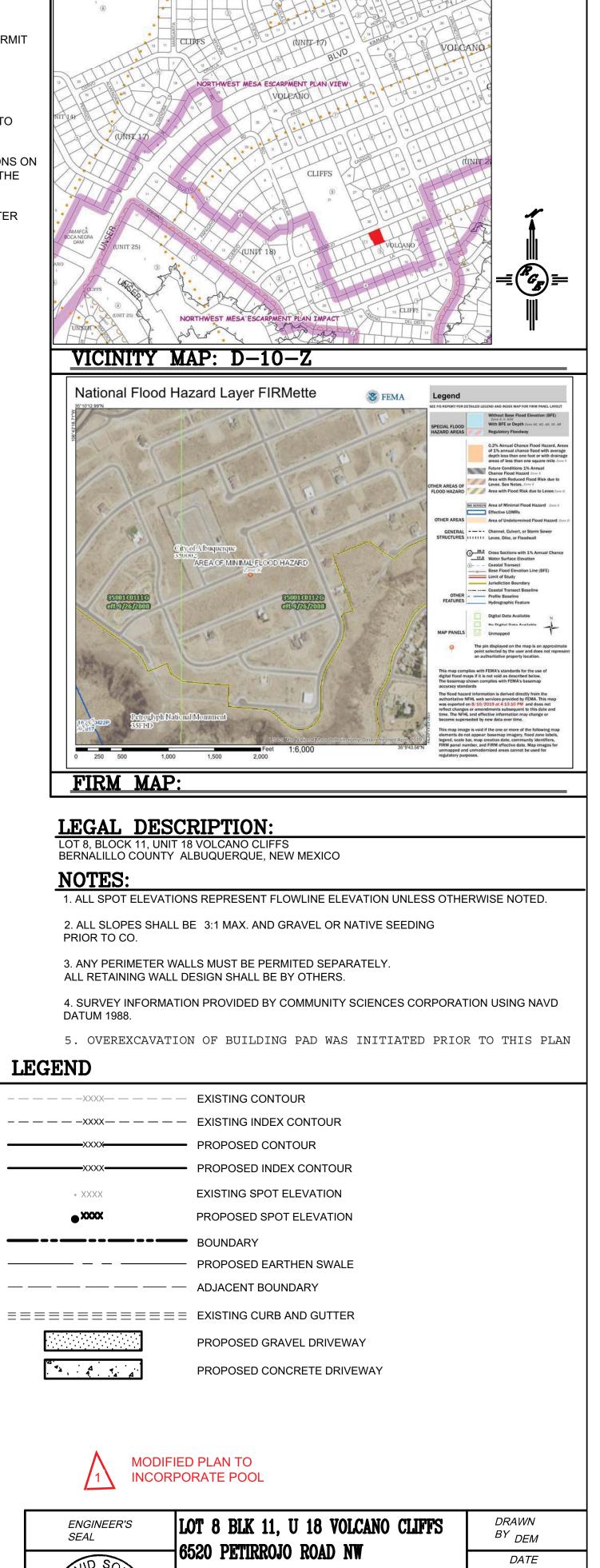
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4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.





GRADING AND

DRAINAGE PLAN

Rio Grande

Ingineering

1606 CENTRAL AVENUE SE

SUITE 201

ALBUQUERQUE, NM 87106 (505) 872-0999

11/18/20

8/11/19

DAVID SOULE

P.E. #14522

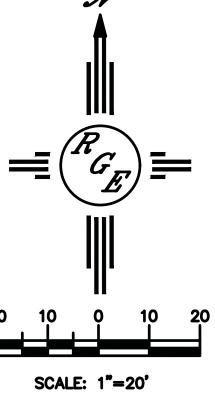
*8-12-19* 

OT 8 BLOCK 11 VOLCANO CLIFFS.DWG

SHEET #

JOB #

**C1** 



C. S.	LBUN	5.
EA	(1706)	

## City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6520 PETIRROJO	Building Perm	it #:	Hydrol	logy File #:
DRB#:	_ EPC#:		Work	Order#:
Project Title: 0520 PETIRK000 DRB#: Legal Description: lots 8 block 1	1 volcano	cliffs un	it 18	
City Address:6520 PETIRROJO				
Address:				
Phone#:	_ Fax#:		E-mail:	
Other Contact: RIO GRANDE ENGINE	EERING		Contact:	DAVID SOULE
Address: PO BOX 93924 ALB NM	87199			
Phone#: 505.321.9099	_ <b>Fax#:</b>	2.0999	E-mail: <sup>d</sup>	lavid@riograndeengineering.co
TYPE OF DEVELOPMENT: PLAT	<u> </u>	ENCE	_ DRB SITE	_ ADMIN SITE
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)	APPLIC	BUILDIN     CERTIFI     PRELIM     SITE PL     SITE PL     FINAL F     SIA/ REI     GRADIN     GRADIN     SO-19 A	NG PERMIT APPH CATE OF OCCUI INARY PLAT AP AN FOR SUB'D . AN FOR BLDG. I PLAT APPROVAJ LEASE OF FINAN ATION PERMIT A	PANCY PROVAL APPROVAL PERMIT APPROVAL L NCIAL GUARANTEE APPROVAL ROVAL
TRAFFIC IMPACT STUDY (TIS) TREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?: XX YesN REVISED FOR POOL ADDITION	-	WORK O CLOMR	G/ PAD CERTIF RDER APPROVAI LOMR LAIN DEVELOP (SPECIFY)	L MENT PERMIT
DATE SUBMITTED:	By:			
COA STAFF:			ED:	-

Weighted E Method															
												100-Yea	r, 6-hr.		
Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treat	ment D	Weighted E	Volume	F	low	_
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)		cfs	
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I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, 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 <u>8/11/19</u>. 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 asbuilt survey was provided by <u>CHRIS DEHLER NMPLS 7923</u>. The certification is submitted in support of a request for <u>PERMANENT CERTIFICATE OF OCCUPANCY</u>. 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



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