# TY OF ALBUQUER

Planning Department Brennon Williams, Interim Director



Mayor Timothy M. Keller

September 20, 2019

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

#### RE: Lot 37 Block 8, Volcano Cliffs, Unit 22, SAD 228 6431 Picardia Rd. NW **Grading and Drainage Plan** Engineers Stamp Date 9/19/19 (D10D003E37)

Dear Mr. Soule,

Based upon the information provided in your submittal received 9/20/19, this plan is approved for Grading Permit.

Prior to Building permit approval a Pad Certification will be required, provided by PO Box 1293 the Engineer or a registered Land Surveyor.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be Albuquerque 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 NM 87103 checklist is required.

www.cabq.gov

If you have any questions, please contact me at 924-3999 or Rudy Rael at 924-3977.

Sincerely,

Shahab Biazar, P.E. City Engineer, Planning **Division Manager** 

RR/SB C: File D10D003E37

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# City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6431 PICARDIA	_Building Permit #	t:	Hydrology Fil	le #:
DRB#:	_ EPC#:		Work Order#	:
DRB#: Legal Description. LOT 14 BLOCK 8	VOLCANO CLI	FFS UNIT 22		
City Address: 6431 PICARDIA				
Applicant: PERFECTO GARCIA			_ Contact:	
Address:				
Phone#:	_ Fax#:		_E-mail:	
Other Contact: RIO GRANDE ENGIN	EERING		_Contact:	/ID SOULE
Address: PO BOX 93924 ALB NM				
Phone#: 505.321.9099	_ <b>Fax</b> #:	)999	E-mail:	riograndeengineering.com
TYPE OF DEVELOPMENT: PLAT				
Check all that Apply:				
DEPARTMENT: <u> </u>	-	<b>TYPE OF APPROV</b> <u>×</u> BUILDING PER CERTIFICATE	MIT APPROVAL	
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?:      Yes      X N	- APPLIC _ - - - - - -	PRELIMINARY SITE PLAN FO SITE PLAN FO FINAL PLAT A SIA/ RELEASE FOUNDATION GRADING PER SO-19 APPROV PAVING PERM X GRADING/ PAI WORK ORDER A CLOMR/LOMR FLOODPLAIN D OTHER (SPEC)	R SUB'D APPRO R BLDG. PERMIT APPROVAL OF FINANCIAL PERMIT APPROVAL MIT APPROVAL AL IT APPROVAL O CERTIFICATIONAL	VAL F APPROVAL GUARANTEE VAL Y
DATE SUBMITTED:	•			
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												100-Year	r, 6-hr.		24-HOUR
Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treat	ment D	Weighted E	Volume	Flow		Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs		(ac-ft)
ALLOWED	14138.00	0.325	0%	0	20%	0.065	46%	0.1493	34%	0.110	1.259	0.034		1.04	0.041
PROPOSED	14138.00	0.325	0%	0	20%	0.065	52%	0.1688	28%	0.091	1.200	0.032		1.01	0.038
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	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 QU	ALITY VOLUME	
	REQUIRED	PROVIDED
	(CF)	(CF)
WATER QUALITY	112	301
FLOOD CONTROL	0	301

#### Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain as much as possible to the adjacent roadway 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 does not exceed the allowed impervious area therefore no flood control ponding is required This plan is in conformance to the master drainage plan

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.

### EROSION CONTROL NOTES:

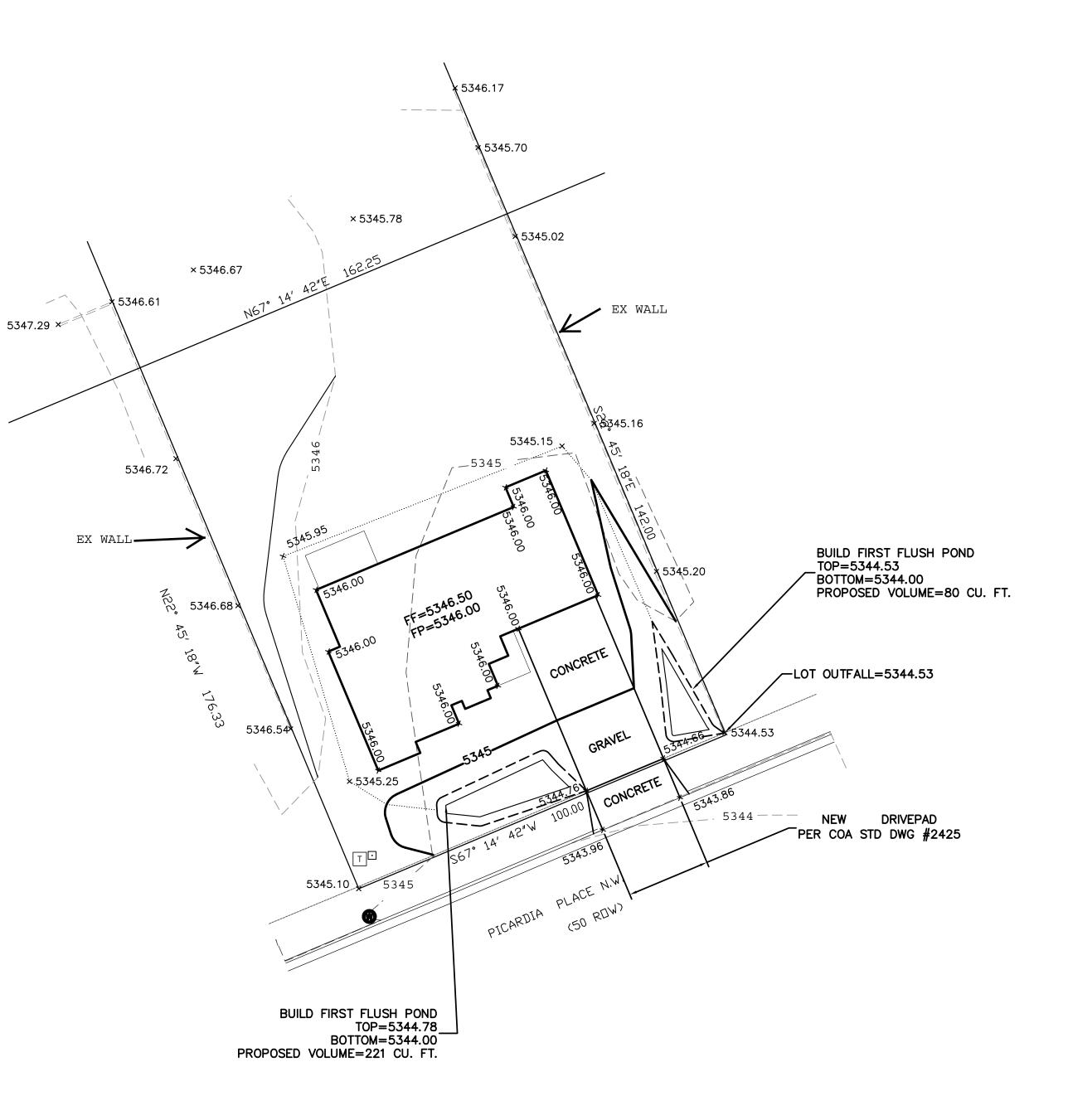
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

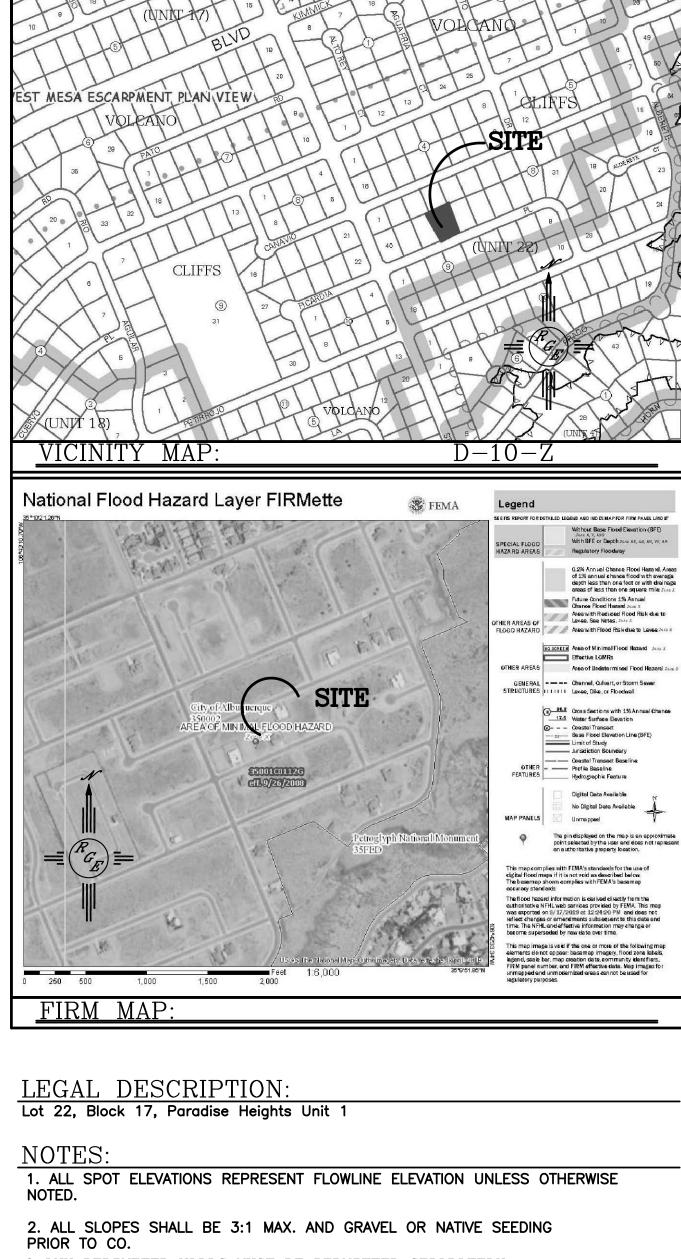
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

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.





3.ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY.

ALL RETAING WALL SHALL BE DESIGNED BY OHTER. 4.A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR

TO BUILDING PERMIT RELEASE

9/19/19

DAVID SOULE P.E. #14522

## LEGEND

EXISTING CONTOUR         EXISTING INDEX CONTOUR         PROPOSED CONTOUR         PROPOSED CONTOUR         SLOPE TIE         • XXXX         PROPOSED SPOT ELEVATION         • XXXX         PROPOSED CUTER         BOUNDARY         CENTERLINE         RIGHT-OF-WAY         ===================         EXISTING CURB AND CUTTER         PROPOSED CMU SCREEN WALL         DATE         9-19-19         GRADING AND         DRAINAGE PLAN         Image: Stheet #			
XXXX       PROPOSED CONTOUR         PROPOSED INDEX CONTOUR         SLOPE TIE         XXXX       EXISTING SPOT ELEVATION         XXXX       PROPOSED SPOT ELEVATION         XXXX       PROPOSED SPOT ELEVATION         BOUNDARY       CENTERLINE         RIGHT-OF-WAY         EXISTING CURB AND GUTTER         PROPOSED CMU SCREEN WALL         ENGINEER'S         GER ADUNC:         GER ADUNC:		- EXISTING CONTOUR	
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• XXXX       EXISTING SPOT ELEVATION         • XXXX       PROPOSED SPOT ELEVATION         BOUNDARY       CENTERLINE         RIGHT-OF-WAY       RIGHT-OF-WAY         EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE		- PROPOSED INDEX CONTOUR	
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GRADING AND 9-19-19		6431 PICARDIA	BY WCWJ
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Engineering

1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872–0999

JOB #

2109076

