CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



Mayor Timothy M. Keller

December 18, 2019

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

RE: Lot 18 Block 5 Unit 5 SAD 227 7932 Victoria Dr. NW Grading and Drainage Plan Engineers Stamp Date 10/16/19 (E10D066) Pad Certification Date 12/16/19

Dear Mr. Soule,

Based upon the information provided in your submittal received 12/16/19, this plan is approved for Building Permit.

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.

Albuquerque

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan dated 10/16/19.

NM 87103

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be 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, Hydrology Division Manager

RR/SB C: File E10D066

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City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

DRB#:			Hydrology File #:			
City Address:	DRB#:	Wor	k Order#:			
Applicant:	Legal Description: LOT 18,	BLOCK 5	VOI	LCANO CLIFFS	UNIT _	
Address:	City Address: 7932 VICTO	DRIA DR	NW			
Phone#:						et:
Other Contact: RIO GRANDE ENGINEERING Contact: DAVID SOULE Address: PO EOX 93924 ALB NM 87199 Contact: DAVID SOULE Phone#: 505.321.9099 Parkf: 505.672.0999 E-mail: david@riograndeengineering.com TYPE OF DEVELOPMENT: PLAT XRESIDENCE DRB SITEADMIN SITE Check all that Apply:						
Address: PO BOX 93924 ALB NM 87199 Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: davideriograndeengineering.com TYPE OF DEVELOPMENT: PLAT X_RESIDENCE DRB SITEADMIN SITE Check all that Apply:	Phone#:		Fax#:	·	E-mai	:
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Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: davidseriograndeengineering.com TYPE OF DEVELOPMENT:	Address: PO BOX 93924	ALB NM	8719	9		
TYPE OF DEVELOPMENT: PLAT XRESIDENCE DRB SITEADMIN SITE Check all that Apply: TYPE OF APPROVAL/ACCEPTANCE SOUGHT: XANTAPPROVAL	Phone#: 505.321.9099		Fax#:	505.872.0999	E-mai	david@riograndeengineering.com
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	COA STAFF:		ELEC'	TRONIC SUBMITTAL RI	ECEIVED:	

Basin Area Area Treatment A Treatment B Treatment C Treatment D Weighted E Volume Flow Y (sf) (acres) % (acres) % (acres) % (acres) % (acres) (acres) (acres) % (acres) (acr	Weighted E Method														
(sf) (acres) % (acres) % (acres) % (acres) % (acres) (ac-ft) (ac-ft) cfs													100-Year	r, 6-hr.	24 hour
	Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treatr	nent D	Weighted E	Volume	Flow	Volume
ALLOWED 30125.00 0.692 0% 0 24% 0.166 40% 0.2766 36% 0.249 1.266 0.073 2.22		(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
	ALLOWED	30125.00	0.692	0%	0	24%	0.166	40%	0.2766	36%	0.249	1.266	0.073	2.22	0.083
PROPOSED 30125.00 0.692 20% 0.138 23% 0.159 36% 0.249 21% 0.145 1.012 0.058 1.85	PROPOSED	30125.00	0.692	20%	0.138	23%	0.159	36%	0.249	21%	0.145	1.012	0.058	1.85	0.064
COMPARISON	COMPARISON												-0.015		-0.019

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

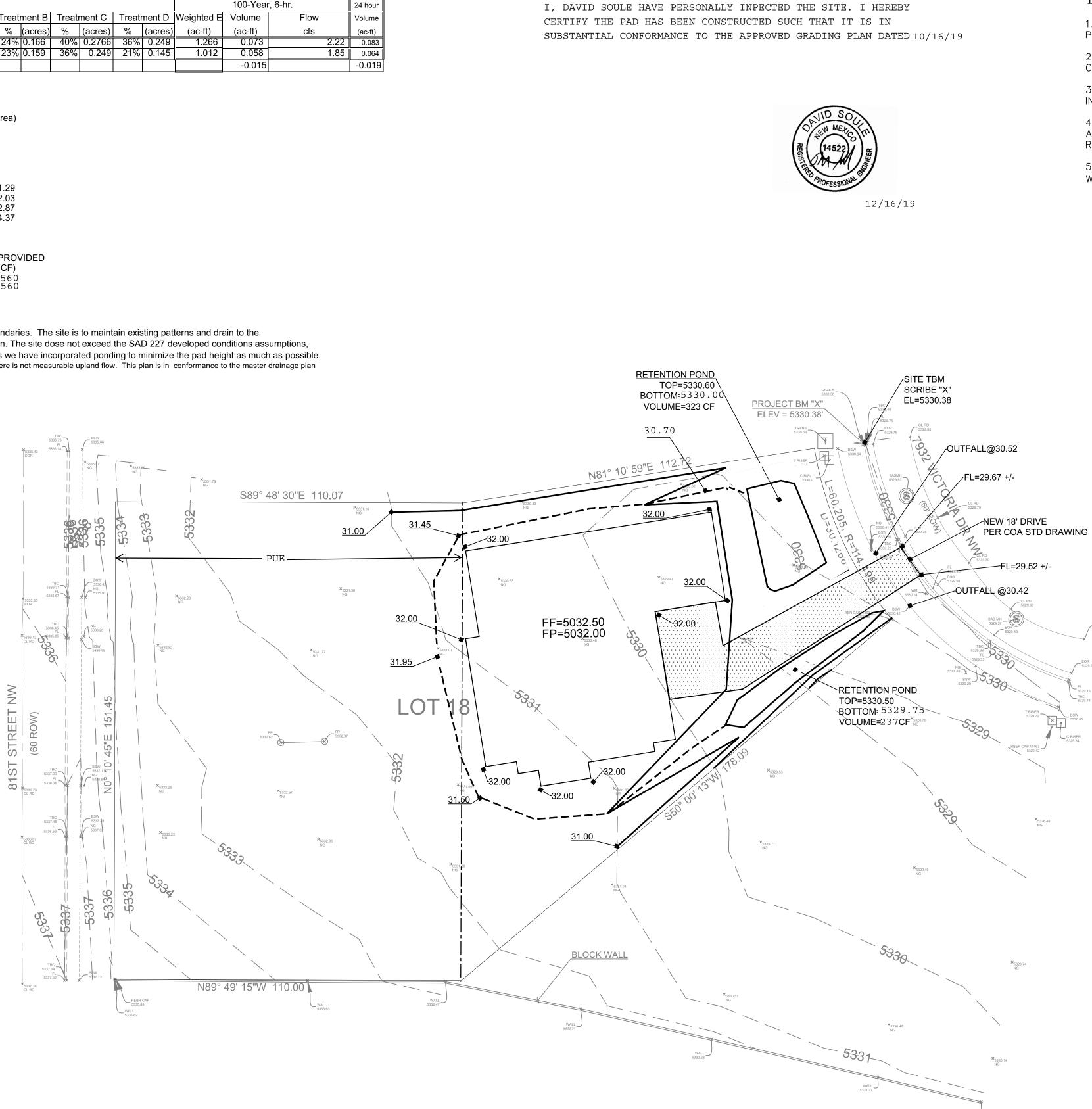
Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hou	r 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		
	REQUIRED	PROVIDED
	(CF)	(CF)
WATER QUALITY	179	560
FLOOD CONTROL	0	560

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 to the east per the master drainage plan. The site dose not exceed the SAD 227 developed conditions assumptions, therefore no ponding is required. Due to hight restrictions we have incorporated ponding to minimize the pad height as much as possible. We are ponding the water harvest volume generated by the site there is not measurable upland flow. This plan is in conformance to the master drainage plan



EROSION CONTROL NOTES:

WALL -

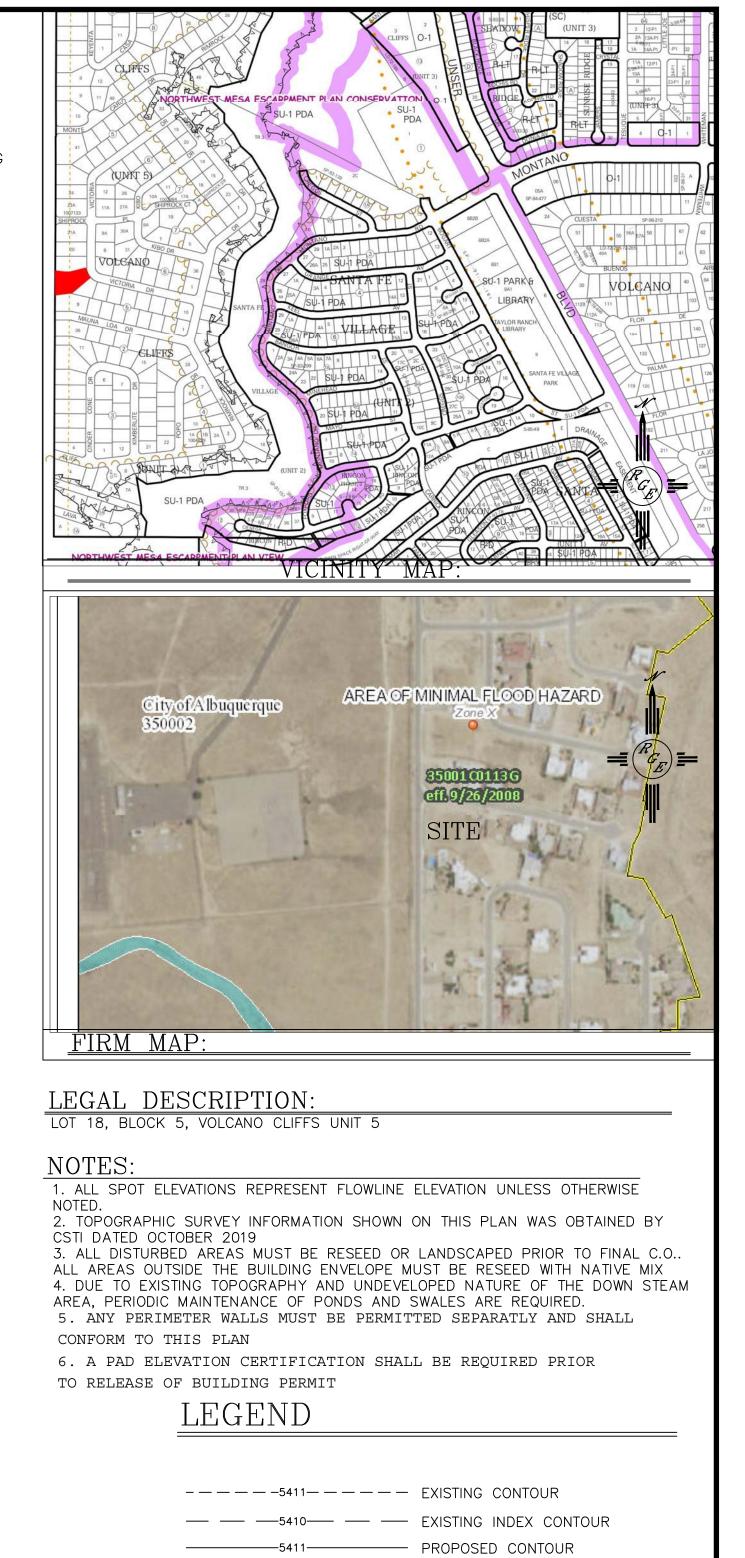
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

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 (CITY) ACCEPTANCE OF ANY PROJECT.



PROPOSED INDEX CONTOUR

