CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



Mayor Timothy M. Keller

October 29, 2019

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

RE: Lot 40 Block 6, Volcano Cliffs, Unit 18, SAD 228 6627 Sujeto NW Grading and Drainage Plan Engineers Stamp Date 10/28/19 (D10D003M40)

Dear Mr. Soule,

Based upon the information provided in your submittal received 10/28/19, this plan is approved for Grading Permit.

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

Albuquerque 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.

NM 87103 Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

www.cabq.gov

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

C:--

Sincerely,

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

RR/SB C: File D10D003M40

C. T. S. S.	LBU	ter ter
		NGA
EA	(1706)	

City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6627 SUJETO NW	_Building Permit #:		Hydrol	Hydrology File #:		
DRB#:	_ EPC#:		Work (Order#:		
DRB#:LOT 40 BLOCK 6	VOLCANO C	LIFFS UNIT	18			
City Address: 6627 SUJETO NW						
Applicant: JOHN MARK HOMES			Contact:			
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		.0999	E-mail: ^d	avid@riograndeengineering.com		
TYPE OF DEVELOPMENT: PLAT						
Check all that Apply:						
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION		X BUILDING CERTIFICA	PERMIT APPF			
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN XX 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?	APPLIC	FINAL PLA SIA/ RELEA FOUNDATH GRADING I SO-19 APPH PAVING PERADING/	FOR SUB'D A FOR BLDG. F T APPROVAL ASE OF FINAN ON PERMIT APPF ROVAL ERMIT APPROVAL ERMIT APPROVAL ER APPROVAL MR IN DEVELOPI	APPROVAL PERMIT APPROVAL L ICIAL GUARANTEE APPROVAL ROVAL ICATION		
DATE SUBMITTED:	•					
COA STAFF:		MITTAL RECEIVED:_		-		

									100-Year	, 6-hr.			
Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treatr	ment D	Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs
UPLAND	80414.00	1.846	0%	0	20%	0.369	46%	0.8492	34%	0.628	1.259	0.194	5.93
ALLOWED	26182.00	0.601	0%	0	20%	0.120	46%	0.2765	34%	0.204	1.259	0.063	1.93
PROPOSED	26182.00	0.601	0%	0	20%	0.120	38%	0.2284	42%	0.252	1.338	0.067	2.00
COMPARISON												0.004	

Equations:

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

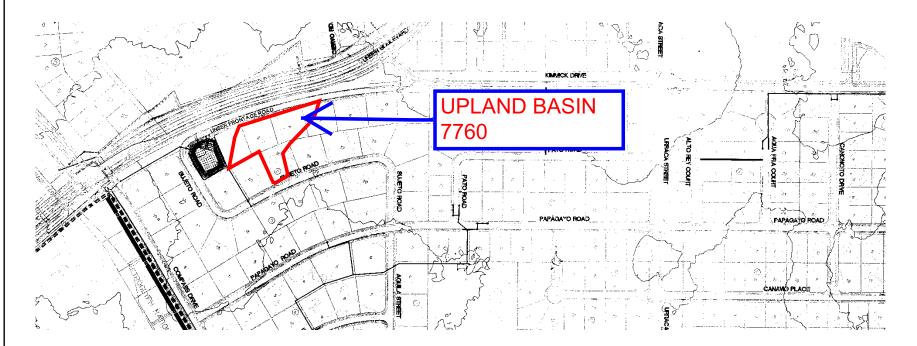
Volume = Weighted D * Total Area

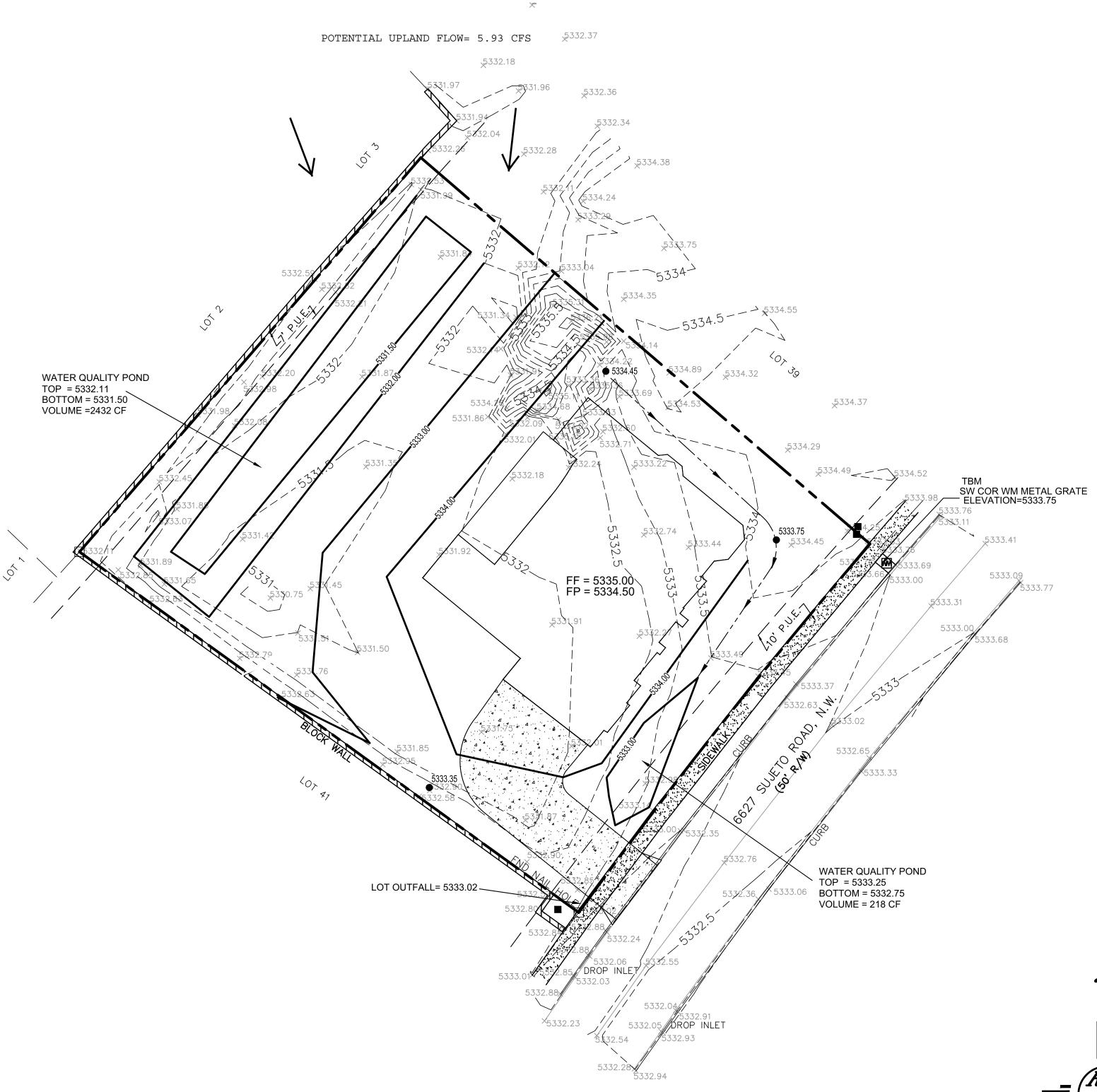
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Q	⊋d * Ad
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Where for 100-year, 6-hou	r storm- zone 1	
-	Ea= 0.44	Qa= 1.29
	Eb= 0.67	Qb= 2.03
	Ec= 0.99	Qc= 2.87
	Ed= 1.97	Qd= 4.37
ONSITE Conditons FIRST FLUSH WATER QU	JALITY VOLUME	
	REQUIRED	PROVIDED
	(CF)	(CF)
WATER QUALITY	0	2650
FLOOD CONTROL	171	2650

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and accepts upland flow Due to existing grades from upland we are not able to raise rear yard to drain without blocking flow. The site will pond flows within the rear yard and discharge to front at 5333.35 which is 1.15' higher than pad. The site retains in excess of the excess flow generated 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:

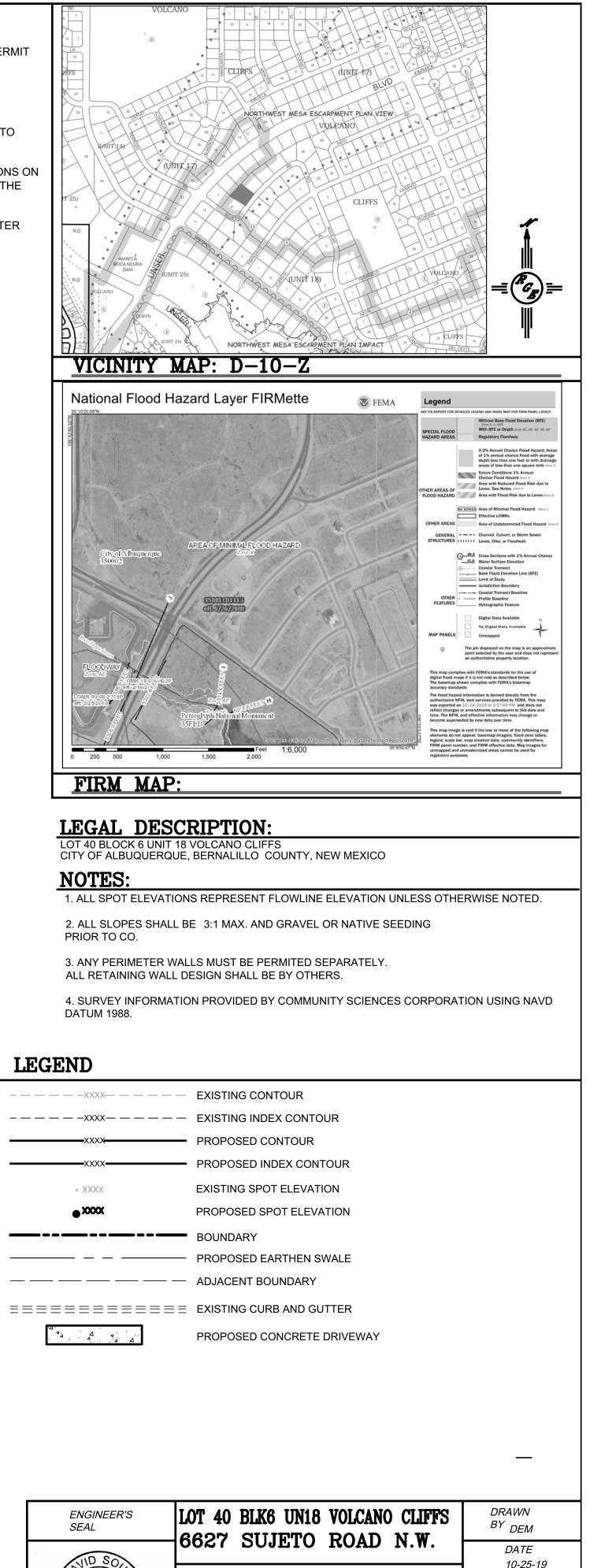
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

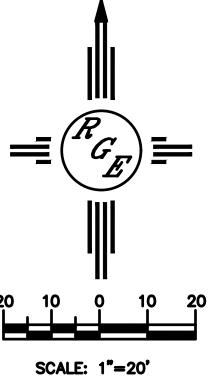
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

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.





ENGINEER'S SEAL	LOT 40 BLK6 UN18 VOLCANO CLIFFS 6627 SUJETO ROAD N.W.	DRAWN ^{BY} DEM
OPVID SOUCH	GRADING AND	DATE 10-25-19
RECOVER AND	DRAINAGE PLAN	LOT 40 BLK6 UN18 VOLCANO CLIFFS.DWG
AD PROFESSIONAL C	Rio Grande	SHEET #
10/28/19	Engineering	C1
DAVID SOULE P.E. #14522	SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	JOB #