CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



Mayor Timothy M. Keller

October 3, 2019

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

RE: 6429 Dennison SW Grading Plan Stamp Date: 9/18/19 Drainage File: K11D068A

Dear Mr. Soule:

Based on the submittal received on 9/20/19, the grading plan is approved for Grading Permit.

PO Box 1293 Prior to Building Permit (For Information):

1. Engineer's Certification of the compacted pad and grades at property line (Pad Certification), per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

NM 87103

Albuquerque

Sincerely,

www.cabq.gov

Dana Peterson, P.E. Senior Engineer, Planning Dept. Development Review Services

AS PORT	LBU	1
FIG	[706]	
AN AN		

City of Albuquerque

Planning Department Development & Building Services Division

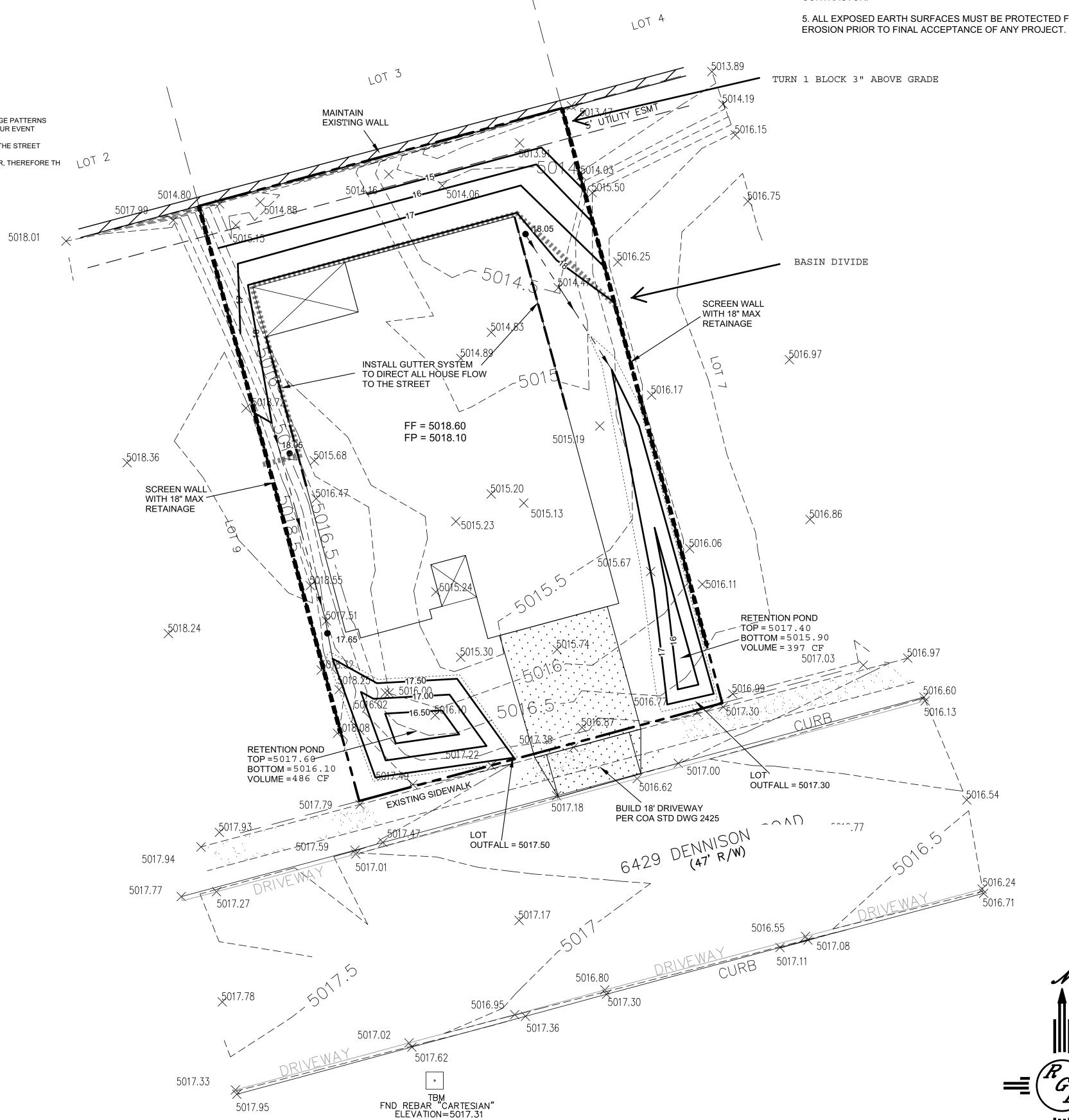
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title:	Building Permit #:	Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description. LOT 8 BLOCK B	ALAMOSA ADDITION	Work Order#:
City Address: 6429 DENNISON		
Applicant: PERFECTO GARCIA		Contact:
Address:		
		E-mail:
Other Contact: RIO GRANDE ENGI	NEERING	Contact: DAVID SOULE
Address: PO BOX 93924 ALB N		
		E-mail: david@riograndeengineering.com
TYPE OF DEVELOPMENT: PLA		
Check all that Apply:		
DEPARTMENT: <u>×</u> HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION	<u></u> BI	DF APPROVAL/ACCEPTANCE SOUGHT: JILDING PERMIT APPROVAL ERTIFICATE OF OCCUPANCY
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN X GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TO TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) Yes X	SI SI SI SI F APPLIC FC GI SC SL) PA X GI W CI CI O	ELIMINARY PLAT APPROVAL TE PLAN FOR SUB'D APPROVAL TE PLAN FOR BLDG. PERMIT APPROVAL NAL PLAT APPROVAL A/ RELEASE OF FINANCIAL GUARANTEE OUNDATION PERMIT APPROVAL ADING PERMIT APPROVAL 0-19 APPROVAL AVING PERMIT APPROVAL ADING/ PAD CERTIFICATION ORK ORDER APPROVAL OMR/LOMR OODPLAIN DEVELOPMENT PERMIT THER (SPECIFY)
DATE SUBMITTED:	By:	
COA STAFF:	ELECTRONIC SUBMITTAL F	ECEIVED:

Weighted E Method														
Г <u> </u>									100-Year, 6-hr. 24			24-Hour		
Basin	Area	Area		ment A		atment B Treatment C Treatme			Weighted E	Volume	Flow	Volume		
Existing	(sf) 6082.00	(acres) 0.140		(acres) 0.0698	% 50%	(acres) 0.070	% 0%	(acres) 0.000	% 0%	(acres) 0.000	(ac-ft) 0.655	(ac-ft) 0.008	cfs 0.27	(ac-ft) 0.008
PROP TO REAR	1156.00	0.027	0%	0.0030	29%	0.008	71%	0.000	0%	0.000	1.029	0.002	0.27	0.002
PROP TO STREET	4926.00	0.113	0%	0	19%	0.000	20%	0.023	61%	0.069	1.667	0.002	0.00	0.020
increase	4020.00	0.110	0 /0	-0.07	10 /0	-0.048326	2070	0.0226		0.06898		0.008	0.176	0.012
Equations:		1												
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,	Ea= Eb= Ec=	cone2) 0.53 0.78 1.13 2.12		Qa= Qb= Qc= Qd=	2.28 3.14									
Developed Conditons	6													
		EXISITNG(TO REAR) PROPOSED(TO REAR) PROPOSED(TO FRONT)			PEAK FLOW 0.27 CFS 0.08 CFS 0* CFS * entire basin flow retained		TOTAL FLOW 332 CF 99 CF 870 CF			VOLUME PROVIDE 0 CF 0 CF 883 CF		D		
DRAINAGE NARRAT	ΓIVE													

THIS SITE IS A DEVELOPMENT OF A SITE THAT WAS PREVIOSLY DEVELOPED. THE PROPOSED DRAINAGE SOLUTION SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND LIMIT DISCHARGE TO EXISTING. THE SITE CURRENTLY DISCHARGES 0.27 CFS AND 3327 CUBIC FEET OF STORM WATER DURING A 100-YEAR, 24-HOUR EVENT THE FLOW DRAINS TO THE NORTH EAST CORNER, DISCHARGING TO THE ADJACENT TRACT. THE PROPOSE DEVELOPMENT WILL DRAIN THE REAR LOT TO THE HISTORICAL DISCHARGE POINT AND REDUCE THE DISCHARGE TO 0.08 CFS AND 99 CF. THE HOUSE AND FRONT OF LOT WILL DRAIN TOWARDS THE STREET THE FLOW WILL BE CAPTURED BY TWO PONDS. THESE PONDS WILL RETAIN 883CF, WHICH EXCEEDS THE TOTAL FLOW OF 870 CF GENERATED

THE PONDS ARE 1.50 FEET DEEP. THE SOIL CLASSIFICATION IS BCC BLUE POINT LOAMY FINE SAND WITH A INFILTRATION CAPACITY OF 6.0" PER HOUR, THEREFORE TH POND WILL DRAIN IN 3 HOURS



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:

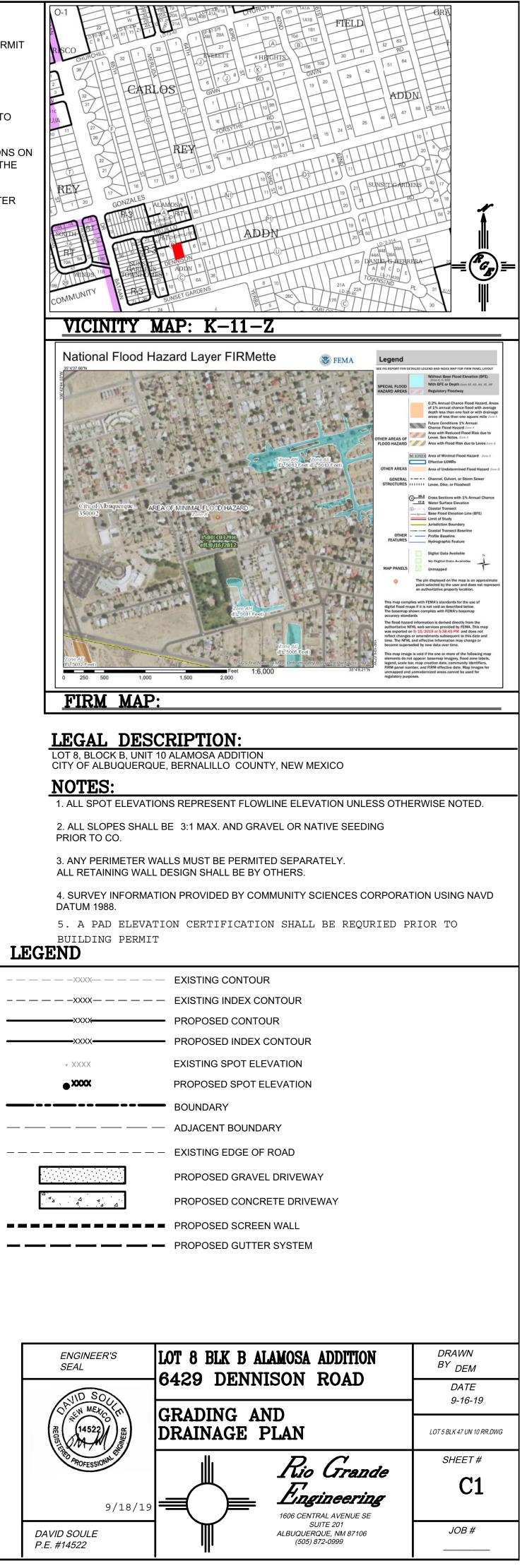
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

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



5016.24

