CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



December 2, 2019

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

RE: Lot 16 Block 2, Volcano Cliffs, Unit 18, SAD 228 6504 Camino Del Oeste NW Grading and Drainage Plan

Engineers Stamp Date 11/26/19 (D10D003G16)

Dear Mr. Soule,

Based upon the information provided in your submittal received 11/26/19, 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.

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.

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

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

Sincerely,

Albuquerque

NM 87103

www.cabq.gov

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

RR/SB C: File D10D003G16



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6504 CAMINO DEL OES	STE Building Permit #:	Hydrole	ogy File #
DRB#:	EPC#:	Work C	Order#:
Legal Description: LOT 16 BLOCK 2	Volcano Cliffs uni	t 19	
City Address: 6504 CAMINO DEL OE	STE ————————————————————————————————————		
Applicant:		Contact:	
Address:			
Phone#:	Fax#:	E-mail: _	
Other Contact: RIO GRANDE ENGINE	ERING	Contact:	DAVID SOULE
Address: PO BOX 93924 ALB NM	87199		
Phone#: 505.321.9099	Fax#: 505.872.0999	E-mail: da	avid@riograndeengineering.com
TYPE OF DEVELOPMENT: PLAT			
Check all that Apply:			
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN 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 No	X BUILDIN CERTIFI PRELIM SITE PL SITE PL SITE PL FINAL F SIA/ REI PPLIC GRADIN SO-19 A PAVING GRADIN WORK O CLOMRA FLOODE OTHER	NG PERMIT APPR ICATE OF OCCUP INARY PLAT API AN FOR SUB'D A AN FOR BLDG. P PLAT APPROVAL LEASE OF FINAN ATION PERMIT A IG PERMIT APPR PPROVAL PERMIT APPROVAL ICAT APPROVA	PROVAL APPROVAL ERMIT APPROVAL CIAL GUARANTEE PPROVAL OVAL VAL CATION MENT PERMIT
	By:		
COA STAFF:	ELECTRONIC SUBMITTAL RECEIVE	E D :	

FEE PAID:____

Weighted E Method

								100-Year, 6-hr.						
Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treat	ment D	Weighted E	Volume	Flow	
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	
ALLOWED	12442.00	0.286	0%	0	20%	0.057	46%	0.1314	34%	0.097	1.259	0.030		0.92
PROPOSED	12442.00	0.286	0%	0	20%	0.057	24%	0.0686	56%	0.160	1.475	0.035		1.01
COMPARISON												0.005		

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= 0.99Qc= 2.87 Ed= 1.97 Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME

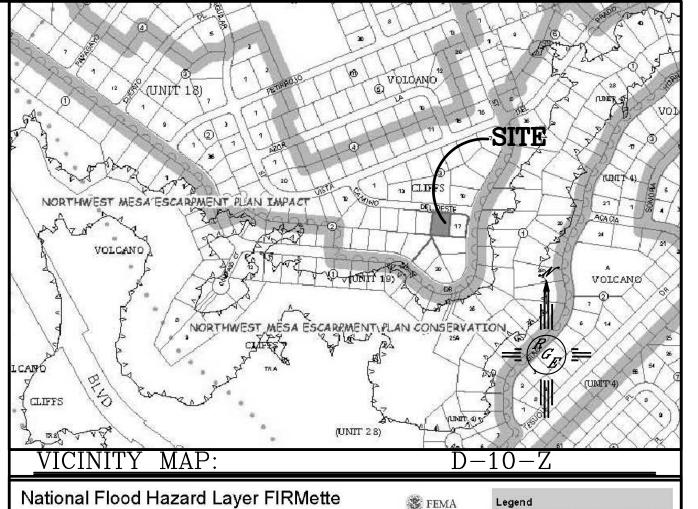
REQUIRED PROVIDED (CF) 585 (CF) WATER QUALITY FLOOD CONTROL 224 585

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain the front to the street and the remainder will drain to the south per the master drainage plan. We are ponding 585 CF to minimize cross lot drain the front to the street and the remainder will drain to the south per the master drainage plan. We are ponding 585 CF to minimize cross lot drain the front to the street and the remainder will drain to the south per the master drainage plan. there is not measurable upland flow. This plan does exceed the allowed impervious area therefore we are required to retain 224 CF This plan is in conformance to the master drainage plan

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.





Future Conditions 13% Annual Chance Flood Hazard Xxxx X
Area with Reduced Rood Risk due to Leves 35ee Notes Xxxx

Area with Flood Risk due to Leves Xxxx

Area with Flood Risk due to Leves Xxxx NO SCREEN Area of Minimal Flood Hazard 2010 Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazar O- - Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study
Jurisdiction Boundary OTHER - Coastal Transect Baseline
- Profile Baseline
FEATURES Hydrographic Feature

> The pin displayed on the map is an approximate point selected by the user and does not represe an authoritative property location. The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This may was exported on 11/21/2019 at 1:33:21 PM and does not

With BFE or Depth some As, As, AM, VE.

No Digital Data Available Unma pped

FIRM MAP:

LEGAL DESCRIPTION: LOT 16, BLOCK 2, UNIT 18, VOLCANO CLIFFS SUBD

NOTES:

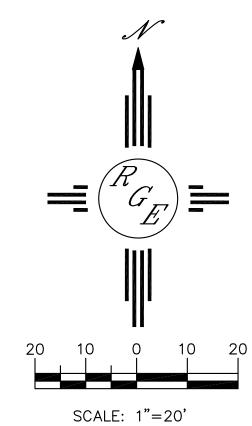
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.

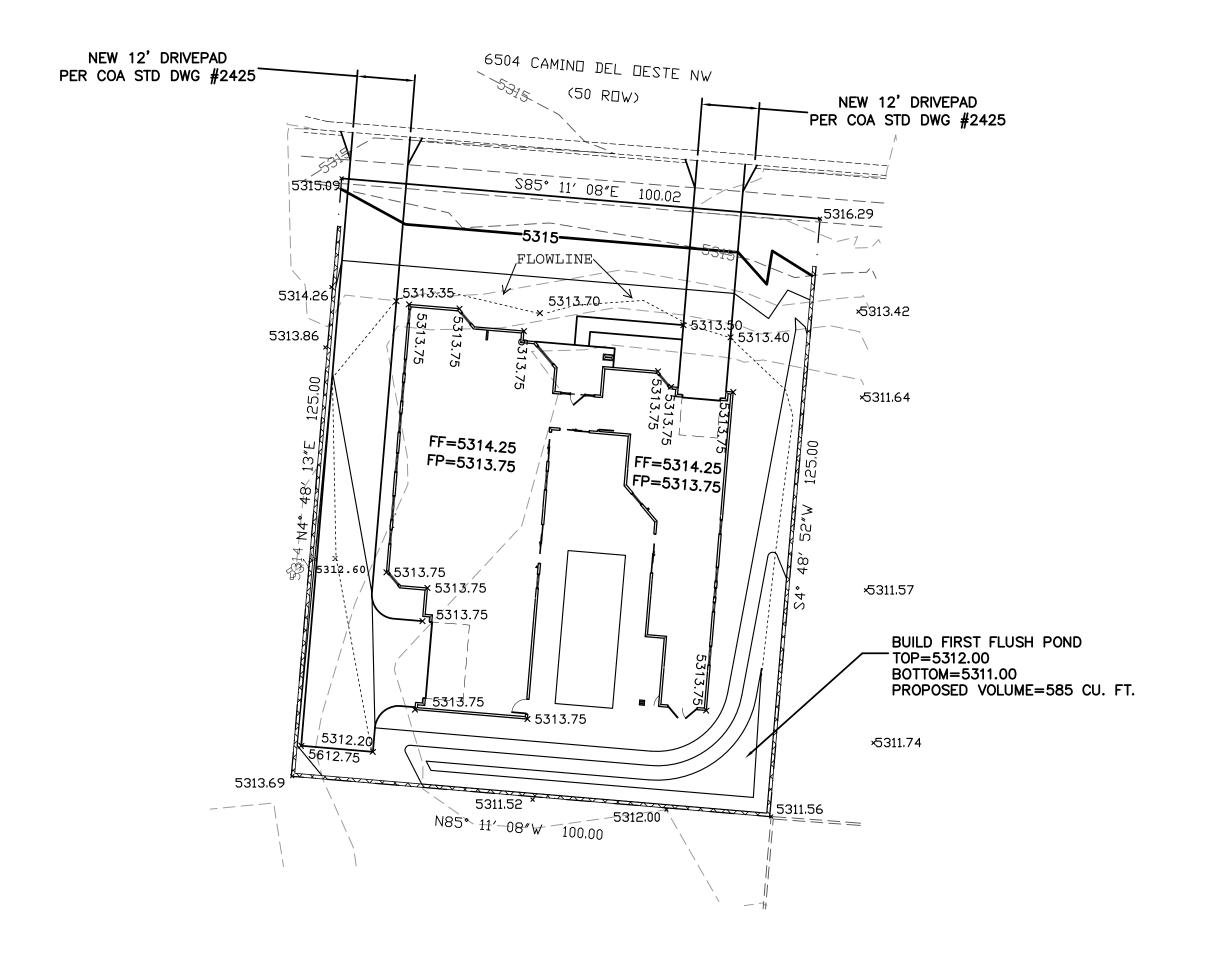
- 3. All PERIMETER WALLS SHALL BE PERMITTED SEPARATELY
- 4. A PAD ELEVATION CERTIFICATION IS REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT

LEGEND

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR — PROPOSED CONTOUR - PROPOSED INDEX CONTOUR SLOPE TIE EXISTING SPOT ELEVATION × XXXX × XXXX PROPOSED SPOT ELEVATION BOUNDARY CENTERLINE - RIGHT-OF-WAY PROPOSED CMU SCREEN WALL







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.