## CITY OF ALBUQUERQUE

Planning Department
Brennan Williams, Director



September 4, 2019

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

RE: Lot 16 Block 4 Volcano Cliffs Unit 19 SAD 228 6527 Vista Del Prado NW Grading and Drainage Plan Engineers Stamp Date 6/11/19 (D10D003T16) Pad Certification Date 7/29/19

Dear Mr. Soule,

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 8/29/19, 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.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan dated 6/11/19 and Pad Certification Date 7/29/19.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3999.

Sincerely,

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

RR/SB C: File D10D003T16



## City of Albuquerque

## Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

6527 vista del prade Project Title:	Building Permit #:	Hydrolo	gy File #:
DRB#:LOT 16, BLOCK	4 VOLCANO CLIFFS	UNIT 19	
City Address: 6527 vista del p	orado		· <del></del>
Applicant: twighligt homes		Contact:	···
Address:Phone#:			
Other Contact: RIO GRANDE ENGINE			
Address: PO BOX 93924 ALB NM		Comact.	
Phone#: 505.321.9099	Fav#. 505.872.0999	E mail da	vid@riograndeengineering.com
TYPE OF DEVELOPMENT:PLAT	RESIDENCE	DRB SITE	ADMIN SITE
Check all that Apply:			
DEPARTMENT:  X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION  TYPE OF SUBMITTAL:  XX ENGINEER/ARCHITECT CERTIFICATION  XX 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?: X Yes No	X   BUII     CER'	APPROVAL/ACCEP? LDING PERMIT APPRODUCTIFICATE OF OCCUPA LIMINARY PLAT APPOSED AND APPROVAL RELEASE OF FINANCE APPROVAL RELEASE OF FINANCE APPROVAL ING PERMIT APPROVAL	DVAL ANCY  ROVAL PPROVAL ERMIT APPROVAL  CIAL GUARANTEE PPROVAL  OVAL  CATION  TENT PERMIT
	ву:		
COA STAFF:	ELECTRONIC SUBMITTAL REC	EEIVED:	

FEE PAID:\_\_\_\_

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												100-Yea	ır, 6-hr.
Basin	Area	Area	Treatm	nent A	Treatm	nent B	Treat	ment C	Treatr	nent D	Weighted E	Volume	Flo
	(sf)	(acres)	% (3	acres)	% (	acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cf
upland	37113.00	0.852	0%	Ó	20%	0.170	46%	0.3919	34%	0.290	1.259	0.089	
ALLOWED	13975.00	0.321	0%	0	20% (			0.1476	34%		1.259	0.034	
PROPOSED	13975.00	0.321	0%	0	20% (	0.064	39%	0.1251	41%	0.132	1.328	0.035	
COMPARISON												0.002	2
olume = Weighted D	* Total Area	a		(Total <i>i</i>	Area)								
eighted E = Ea*Aa - clume = Weighted D ow = Qa * Aa + Qb * There for 100-year, 6	o * Total Area * Ab + Qc * 7 6-hour storm Ea= Eb= Ec=	a Ac + Qd		Qa= Qb= Qc= Qd=	1.29 2.03 2.87								

drain to the the adjacent roadway to the south per the master drainage plan. We are ponding the water harvest volume generated by the site there is 2.74 CFS of future upland flow. This plan does exceed the allowed impervious area therefore we are required to retain 80 cubic feet

West drainage swale thru walls

5317.5

DIHERS OTHERS

Project Benchmark

Fnd Scribe in Sidewalk

Elev=5316.57

ି 5316.2

5316.1

TURN BLOCK 3" ABOVE

EX GRADE

5316.9

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and

**TURNED BLOCKS** 

This plan is in conformance to the master drainage plan

 $Q = CLH^{3/2}$ 

 $Q = 2.95 * .5 * ((0.5)^{(3/2)})$ 

Therefore 2.74 cfs requires 6 openings and 3 turned blocks

Weir Equation:

Q = 2.92 cfsC = 2.95H = 0.5 ft

L = Length of weir

Each opening is 6"x6"

For phase 3 lots

Each block has two openings

Each opening has .52 cfs capacity

CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 6/11/19

EROSION CONTROL NOTES:

PERMIT PRIOR TO BEGINNING WORK.

RESPONSIBILITY OF THE CONTRACTOR.

INTO EXISTING RIGHT-OF-WAY.

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE

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

3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS

ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY 5319.3 5318.2

BUILD WATER HARVESTING POND

PROPOSED VOLUME= 38 CU. FT.

TOP=5317.00 **BOTTOM=** 5316.50

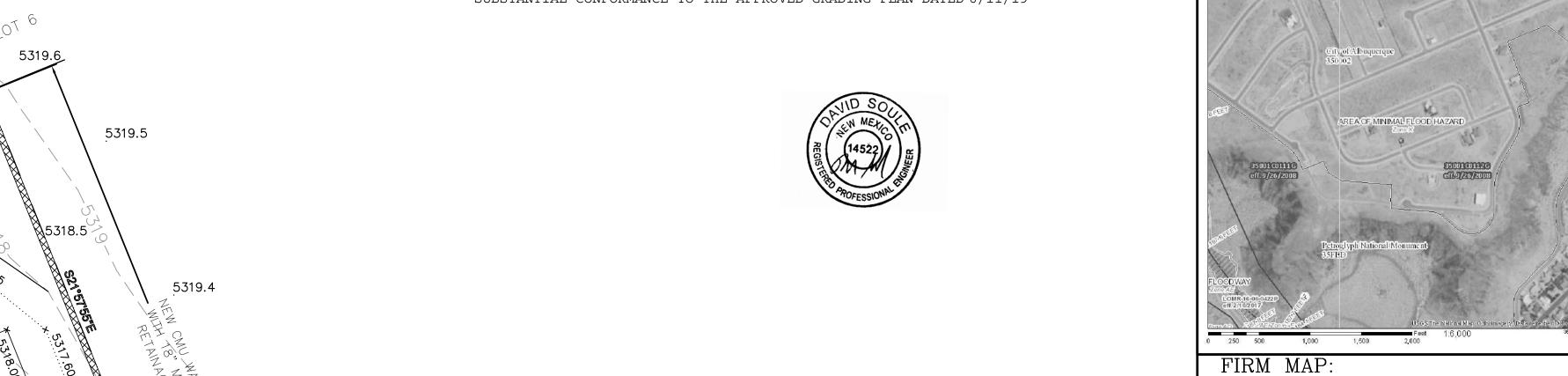
DRIVEPAD PER

COA STD DWG #2425 SW PER COA STD DWG #2430

BUILD WATER HARVESTING POND

PROPOSED VOLUME= 167 CU. FT.

TOP=5316.57 **BOTTOM=** 5315.50



2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE 3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS. 4. ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS. 5. ALL SITE WORK SHALL CONFORM TO BERNALILLO COUNTY STANDARDS FOR PUBLIC WORKS CONSTRUCTION EDITION 9 LEGEND

LOT 7, BLOCK 13, PARADISE HEIGHTS UNIT 1

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

LEGAL DESCRIPTION:

MESA ESCARPMENT PLAN IMPACT

VICINITY MAP:

National Flood Hazard Layer FIRMette

NORTHWEST MESA ESCARPMENT PLAN CONSERVATION

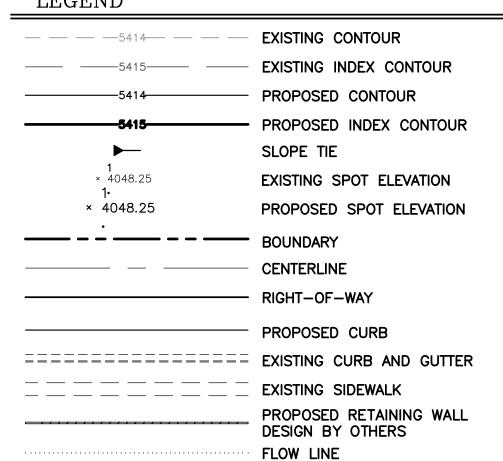
D-10-2

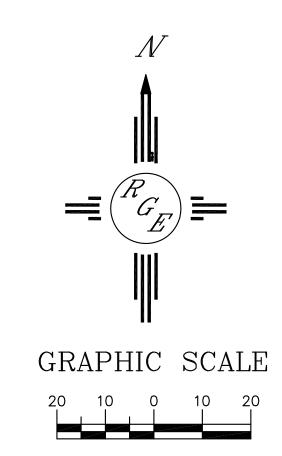
depth less than one foot or with drain areas of less than one square mile .:

NO SCREEN Area of Minimal Flood Hazard Zone
Effective LOMRs

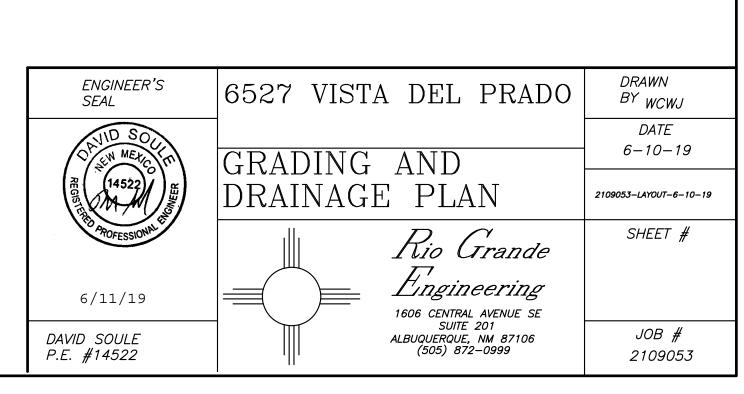
No Digital Data Available

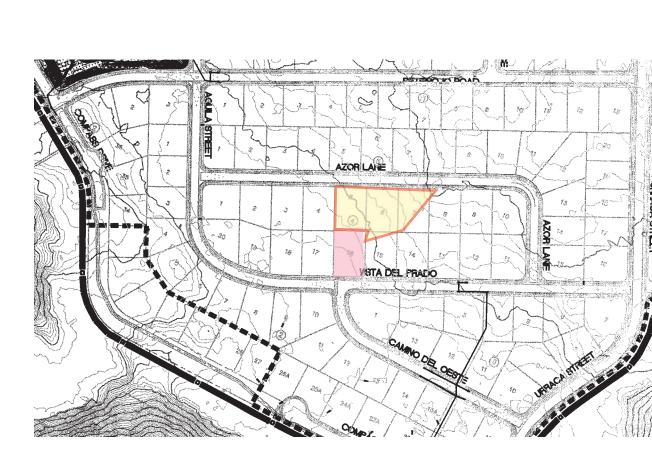
OTHER AREAS Area of Undetermined Flood Hazard >

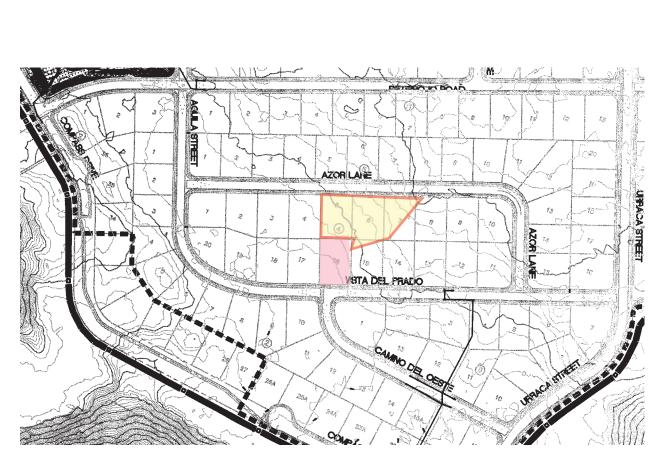




SCALE: 1"=60'







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.