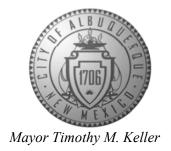
# CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



June 22, 2021

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

RE: Lot 2 Block 4 Unit 18 SAD 228 6616 Papagayo NW Volcano Cliffs Subdivision Grading and Drainage Plan Engineers Stamp Date 6/18/2021 (D10D003J2)

Mr. Soule,

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 6/21/2021, this plan is approved for Grading Permit.

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

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

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 924-3986 or Rudy Rael at 924-3977.

Sincerely,

Ernest Armijo, P.E. Principal Engineer, Planning Dept. Development Review Services



# City of Albuquerque

### Planning Department

### Development & Building Services Division

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

Project Title: 6616 Papagayo NW	_Building Pe	rmit #:	Hydrolo					
DRB#: LOT 2 BLOCK 4	EPC#:		Work C	Order#:				
Legal Description: LOT 2 BLOCK 4	VOLCANO	CLIFFS UNIT	18					
City Address: 6616 Papagayo NW								
Applicant:			Contact:					
Address:								
Phone#:	_ Fax#:		E-mail: _					
Other Contact: RIO GRANDE ENGINE Address: PO BOX 93924 ALB NM			Contact:	DAVID SOULE				
Phone#: 505.321.9099		872.0999	E-mail: da	avid@riograndeengineering.com				
TYPE OF DEVELOPMENT: PLAT	_x_ RES	IDENCEI	ORB SITE	ADMIN SITE				
Check all that Apply:								
DEPARTMENT:  X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION		37	PERMIT APPR					
TYPE OF SUBMITTAL:  ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN RADING 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?: YesXX_N	APPLIC	FINAL PLA  SIA/ RELEA  FOUNDATI  GRADING  SO-19 APP  PAVING PI  RADING/ WORK ORD  CLOMR/LO  FLOODPLA	I FOR SUB'D A FOR BLDG. P AT APPROVAL ASE OF FINAN ION PERMIT A PERMIT APPR ROVAL ERMIT APPRO PAD CERTIFI DER APPROVAL OMR	APPROVAL ERMIT APPROVAL CIAL GUARANTEE PPROVAL OVAL VAL CATION				
DATE SUBMITTED:								
COA STAFF:		SUBMITTAL RECEIVED:						

### Weighted E Method

												100-Year	r, 6-hr.		24 hour
Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treati	ment D	Weighted E	Volume	Flow		Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs		(ac-ft)
ALLOWED	22619.00	0.519	0%	0	20%	0.104	46%	0.2389	34%	0.177	1.259	0.054		1.67	0.061
PROPOSED	22619.00	0.519	0%	0	24%	0.125	46%	0.2389	30%	0.156	1.207	0.052		1.09	0.058
COMPARISON												-0.002			-0.003

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= 0.99 Qc= 2.87

Ed= 1.97

ONSITE Conditons DRAINAGE SUMMARY

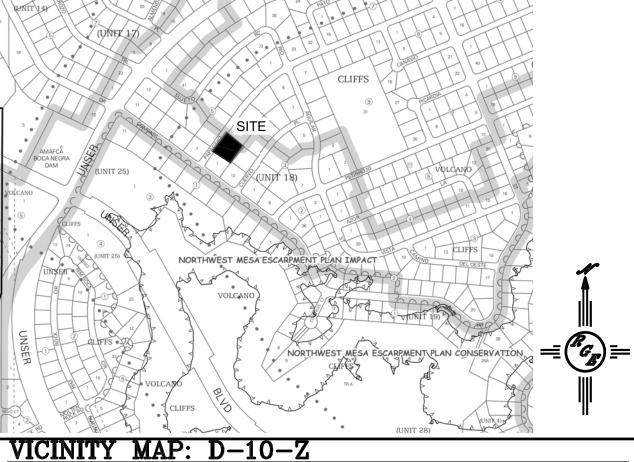
PROVIDED REQUIRED WATER QUALITY 2560 FLOOD CONTROL(ENTIRELOT) 2536 (24-hour) 2560

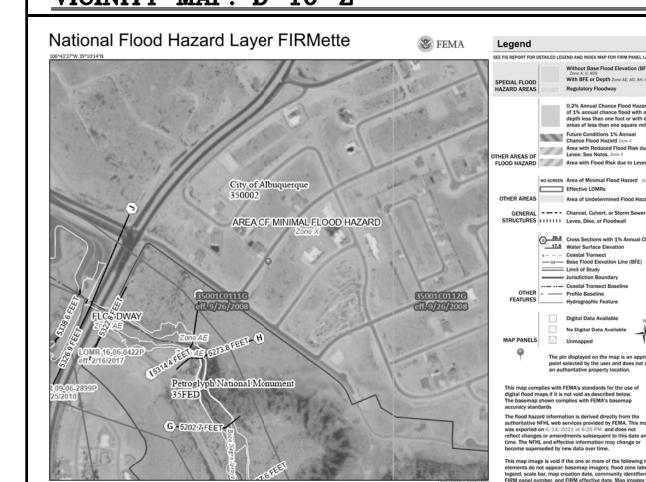
This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the south

Qd= 4.37

## **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.





# FIRM MAP:

### **LEGAL DESCRIPTION:**

LOT 2 BLOCK 4 UNIT 18 VOLCANO CLIFFS CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

### NOTES:

- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- 2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- 3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- DATUM 1988.

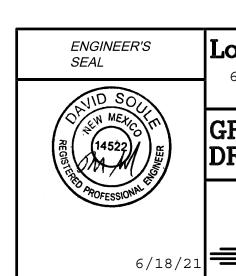
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD

5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

# **LEGEND**

	EXISTING CONTOUR
	EXISTING INDEX CONTOUR
-XXXX	PROPOSED CONTOUR
	PROPOSED INDEX CONTOUR
× XXXX	EXISTING SPOT ELEVATION
● XXXX	PROPOSED SPOT ELEVATION
	BOUNDARY
	ADJACENT BOUNDARY
==========	EXISTING CURB AND GUTTER
<del></del>	PROPOSED EARTHEN SWALE
	PROPOSED PONDING
	PROPOSED CONCRETE

# SCALE: 1"=20'



DAVID SOULE P.E. #14522

Lot 2 Blk 4 Un 18 VC 6616 PAPAGAYO DRIVE, N.W. GRADING AND DRAINAGE PLAN

Rio Grande Engineering PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099

C1 JOB#

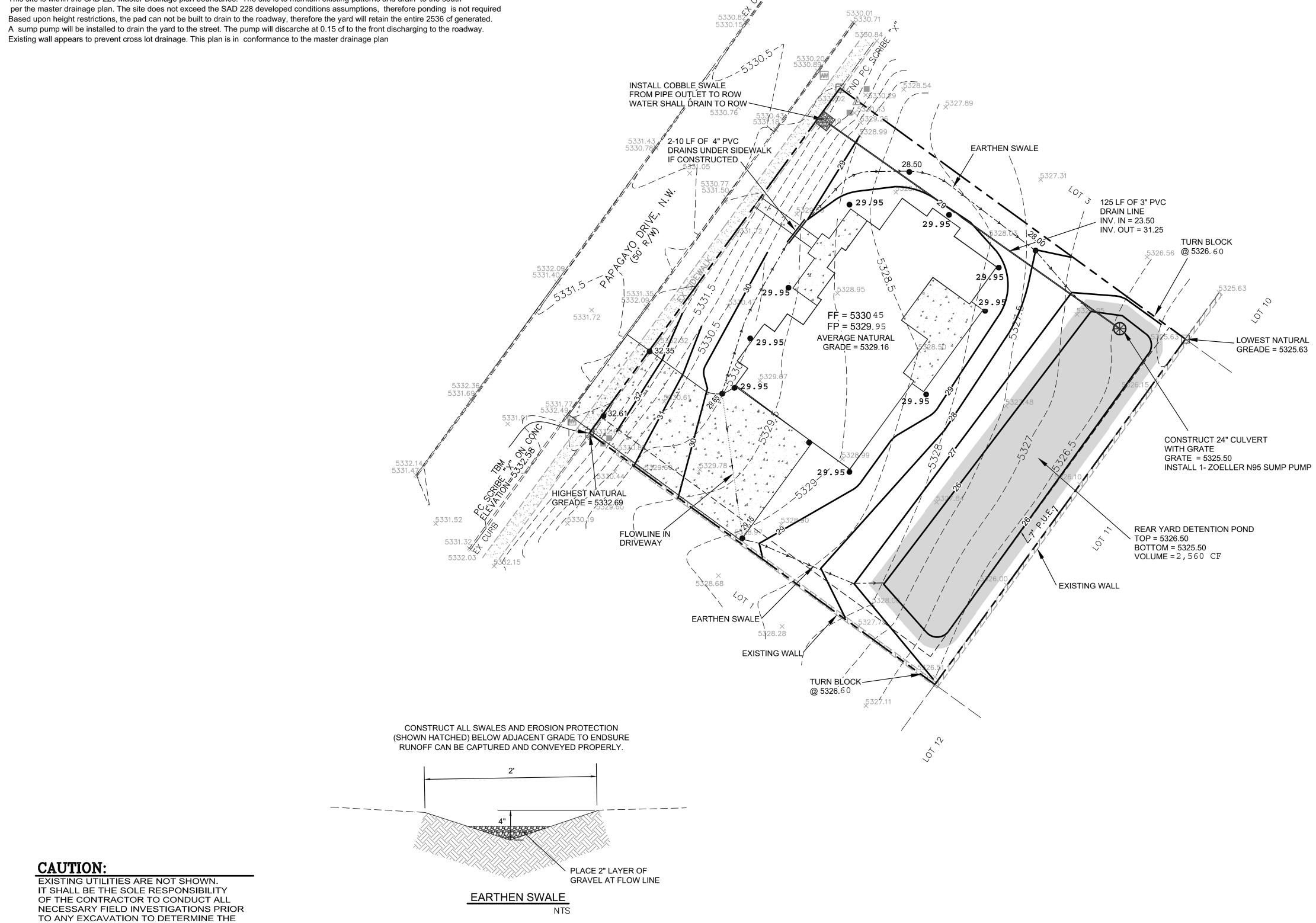
DRAWN

 $^{BY}$  DEM

DATE 6-17-21

Lot 2 Blk 4 Un 18 VC .dwg

SHEET#



ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.