CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



May 3, 2021

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

RE: Lot 2 Block 2 Unit 18 SAD 228 6612 Petirrojo NW Volcano Cliffs Subdivision Grading and Drainage Plan Engineers Stamp Date 4/27/2021 (D10D003G2P)

Mr. Soule,

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 4/30/2021, 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: 6612 Petirrojo NW	_ Building Pe	ermit #:	Hydrole				
DRB#: LOT 2 BLOCK 2	EPC#:	~	Work C	Order#:			
		CLIFFS UNIT .	18				
City Address: 6612 Petirrojo NW							
Applicant:			Contact:				
Address:							
Phone#:	_ Fax#:		E-mail: _				
Other Contact: RIO GRANDE ENGIN			Contact:	DAVID SOULE			
Address: PO BOX 93924 ALB NM							
Phone#: _505.321.9099	_ Fax#: _ 505.	.872.0999	E-mail: da	avid@riograndeengineering.com 			
TYPE OF DEVELOPMENT:PLAT	_X_RES	SIDENCE [ORB SITE	ADMIN SITE			
Check all that Apply:							
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION		× BUILDING	PERMIT APPR				
TYPE OF SUBMITTAL:ENGINEER/ARCHITECT CERTIFICATIO	N	CERTIFICA					
PAD CERTIFICATION		SITE PLAN	FOR SUB'D A	APPROVAL			
CONCEPTUAL G & D PLAN		SITE PLAN	FOR BLDG. P	ERMIT APPROVAL			
XX GRADING PLAN		FINAL PLA	T APPROVAL				
DRAINAGE REPORT							
DRAINAGE MASTER PLAN				CIAL GUARANTEE			
FLOODPLAIN DEVELOPMENT PERMIT	APPLIC	FOUNDATI	ON PERMIT A	PPROVAL			
ELEVATION CERTIFICATE		GRADING		OVAL			
CLOMR/LOMR		SO-19 APP					
TRAFFIC CIRCULATION LAYOUT (TCL	.)	PAVING PI					
TRAFFIC IMPACT STUDY (TIS)		RADING/					
STREET LIGHT LAYOUT			ER APPROVAL	•			
OTHER (SPECIFY)	_	CLOMR/LC		MENTE DEDINIT			
PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?:YesXX	lo	FLOODPLA OTHER (SI		MENI PERMII			
DATE SUBMITTED:	-						
COA STAFF:	ELECTRONIC	C SUBMITTAL RECEIVED:					
	FEE PAID:						

Weighted E Method

												100-Year	r, 6-hr.	24 hour
Basin	Area	Area	Treat	ment A	Treat	ment B	Treatr	ment C	Treatr	ment D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
ALLOWED	14096.00	0.324	0%	0	20%	0.065	46%	0.1489	34%	0.110	1.259	0.034	1.04	0.038
PROPOSED	14096.00	0.324	0%	0	20%	0.065	43%	0.1391	37%	0.120	1.289	0.035	0.71	0.039
COMPARISON												0.001		#REF!

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= 0.99	Qc = 2.87
Ed= 1.97	Qd = 4.37

ONSITE Conditions

DRAINAGE SUMMARY REQUIRED PROVIDED

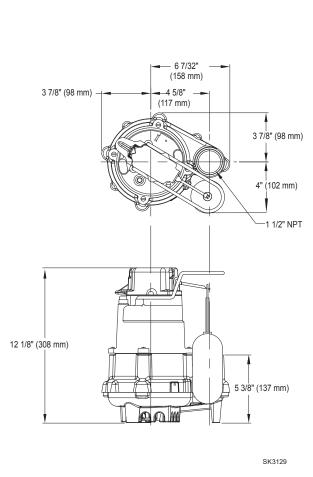
WATER QUALITY

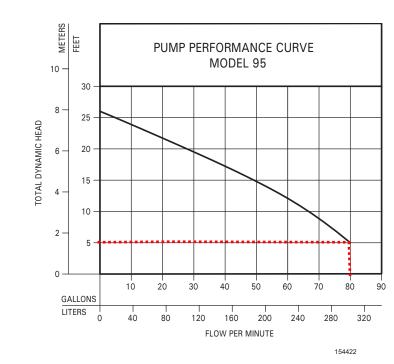
FLOOD CONTROL(ENTIRELOT) 1714 (24-hour) 1804

This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the south per the master drainage plan. The site does exceed the SAD 228 developed conditions assumptions, therefore ponding of 66 cfs is required Based upon height restrictions, the pad can not be built to drain to the roadway, therefore the yard will retain the entire 198 cf generated. A sump pump will be installed to drain the yard to the street. The pump will discarche at .17 cf to the front discharging to the roadway. Existing wall appears to prevent cross lot drainage. This plan is in conformance to the master drainage plan

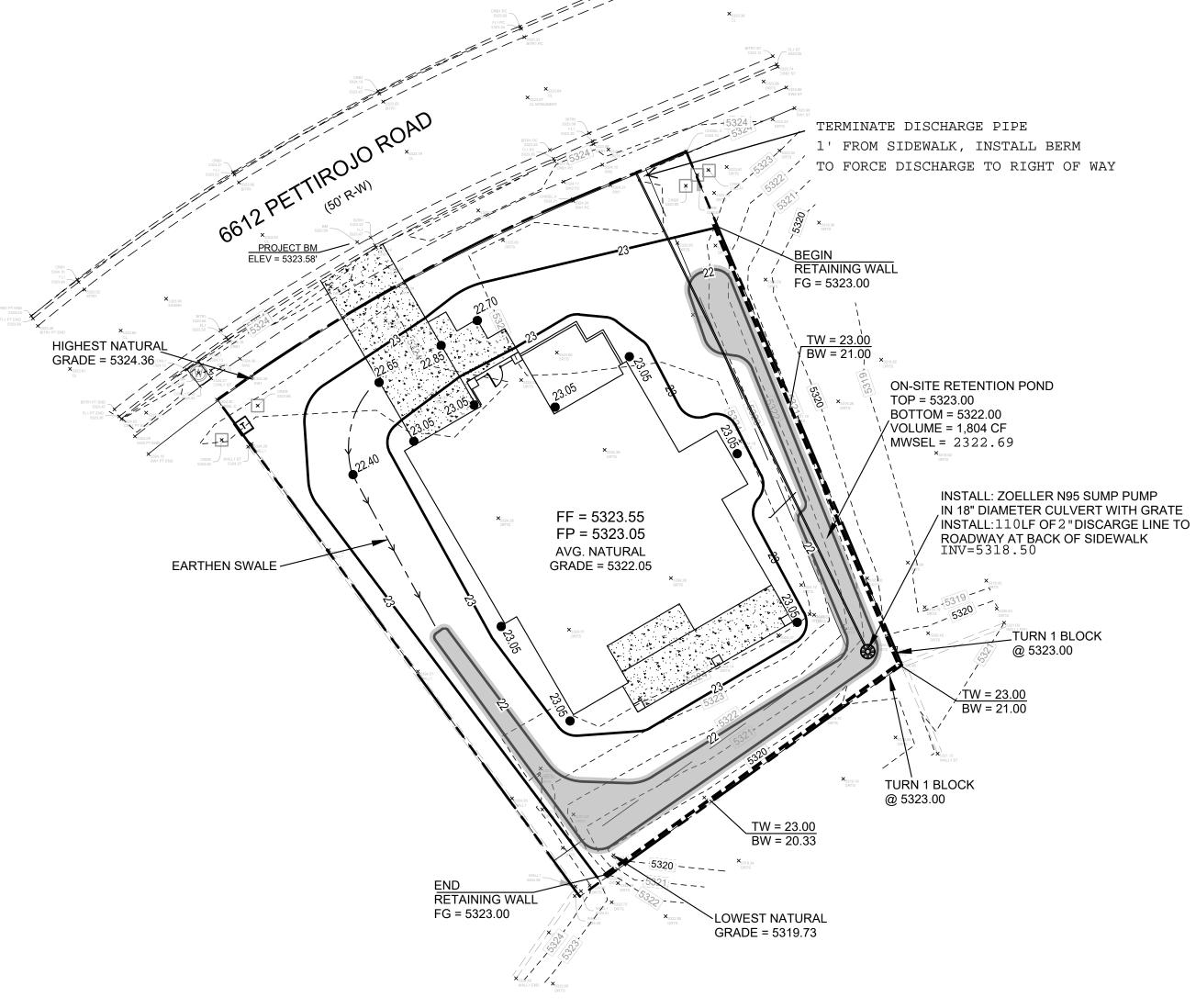
PRODUCT SPECIFICATIONS

	Horse Power	1/2					
	Voltage	115					
E E	Phase	1 Ph					
MOTOR	Hertz	60 Hz					
0	RPM	3450					
2	Туре	Permanent split capacitor					
	Insulation	Class B					
	Amps	10.5					
	Operation	Automatic					
	Auto On/Off Points	9-1/2" (24 cm) / 2-1/2" (6.4 cm)					
	Discharge Size	1-1/2" NPT					
	Solids Handling	1/2" (12 mm) spherical solids					
싵	Cord Length	15' (4.6 m)					
PUMP	Cord Type	UL listed, 3-wire, grounded plug					
4	Max. Head Max. Flow Rate	26' (7.9 m) 80 GPM (303 LPM) 130° F (54° C)					
	Max. Operating Temp.						
	Cooling	Oil filled					
	Motor Protection	Auto reset thermal overload					
	Сар	Cast iron					
	Motor Housing	Cast iron					
	Pump Housing	Cast iron					
S	Base	Cast iron					
A	Upper Bearing	Sleeve bearing					
<u> </u>	Lower Bearing	Ball bearing					
MATERIALS	Mechanical Seals	Carbon and ceramic					
₹	Impeller Type	Non-clogging vortex					
2	Impeller	Engineered thermoplastic					
	Hardware	Stainless steel					
	Motor Shaft	AISI 1215 cold rolled steel					
	Gasket	Neoprene					





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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:

CONSTRUCT ALL SWALES AND EROSION PROTECTION

EARTHEN SWALE

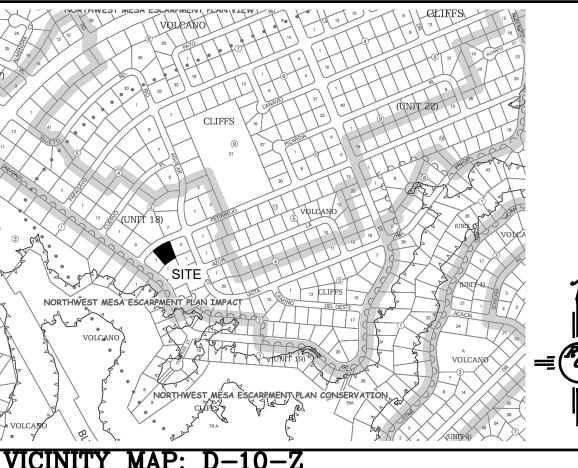
(SHOWN HATCHED) BELOW ADJACENT GRADE TO ENDSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

2" GRAVEL LINNING

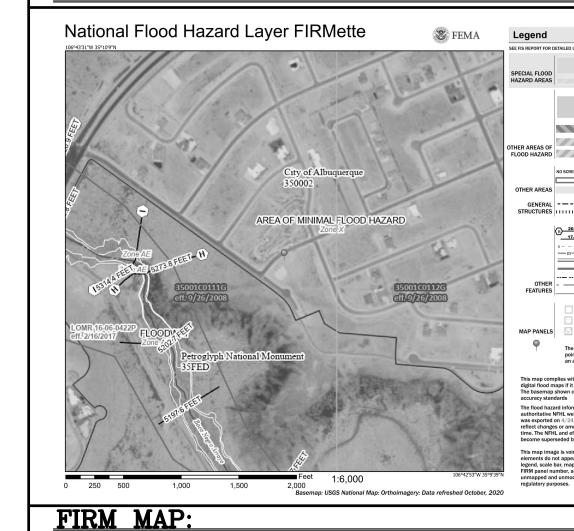
SCALE: 1"=20'

AT INVERT

- 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.



VICINITY MAP: D-10-Z



LEGAL DESCRIPTION:

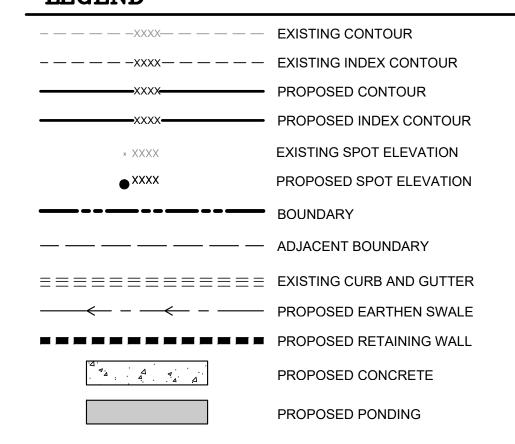
LOT 2 BLOCK 2 UNIT 18 VOLCANO CLIFFS SUBIDIVSION CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

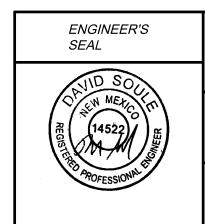
NOTES:

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.
- 4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

LEGEND





Lot 2 Blk 2 Un 18 VC 6612 PETTIROJO ROAD GRADING AND DRAINAGE PLAN

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

DRAWN

 BY DEM

DATE 4-26-21

Lot 2 Blk 2 Un 18 VC .dwg

SHEET#

C1

JOB#

4/27/23 DAVID SOULE P.E. #14522

