CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

August 29, 2023

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

RE: Lot 12 Block 11 Unit 5 SAD 227 7908 Emerald Dr. NW Volcano Cliffs Subdivision Grading and Drainage Plan Engineers Stamp Date 8/28/2023 (E10D126)

Mr. Soule,

Based upon the information provided in your submittal received 8/29/2023, 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.

AlbuquerqueAdvise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or
crusher fines for this purpose. Place this note on the plan.

NM 87103Reiterate 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 after this approval a new grading and drainage plan will need to be
resubmitted showing the changes for the land treatments.

www.cabq.gov 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,

Tieque Che

Tiequan Chen, P.E. Principal Engineer, Hydrology Planning Department, Development Review Services

RR/TC C: File E10D126

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	Action of	NA.
EA	(1706)	

City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 7908 EMERALD	Building Permit #:		Hydrology File #:			
DRB#:	EPC#:		Work Order#:			
Legal Description: LOT 12, Block	11 VOLCANO	CLIFFS UNIT	5			
City Address:7908 EMERALD						
Applicant:			Contact:			
Address:						
Phone#:	Fax#:	I	E-mail:			
Other Contact: RIO GRANDE ENGINE	ERING	(Contact:DAVID_SOULE			
Address: PO BOX 93924 ALB NM	87199					
Address: PO BOX 93924 ALB NM Phone#: 505.321.9099	Fax#: 505.872.09	999 H	E-mail: ^{david@} riograndeengineering.com			
TYPE OF DEVELOPMENT: PLAT						
Check all that Apply:						
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION	T X	BUILDING PERM				
TYPE OF SUBMITTAL:		CERTIFICATE OF OCCUPANCY PRELIMINARY PLAT APPROVAL SITE PLAN FOR SUB'D APPROVAL SITE PLAN FOR BLDG. PERMIT APPROVAL FINAL PLAT APPROVAL SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL GRADING PERMIT APPROVAL GRADING/ PAD CERTIFICATION WORK ORDER APPROVAL CLOMR/LOMR FLOODPLAIN DEVELOPMENT PERMIT OTHER (SPECIFY)				
DATE SUBMITTED:						
COA STAFF:		TAL RECEIVED:				

Weighted E Method														
												100-Yea	r, 6-hr.	24 hour
Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treat	ment D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
ALLOWED	16433.00	0.377	0%	0	20%	0.075	46%	0.1735	34%	0.128	1.259	0.040	1.21	0.045
PROPOSED	16433.00	0.377	0%	0	20%	0.075	47%	0.1773	33%	0.124	1.249	0.039	1.21	0.044
COMPARISON												0.000		0.000

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

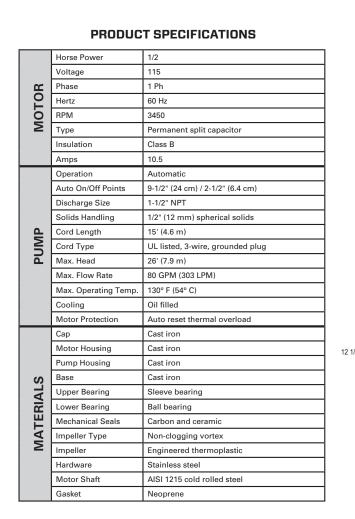
Volume = Weighted D * Total Area

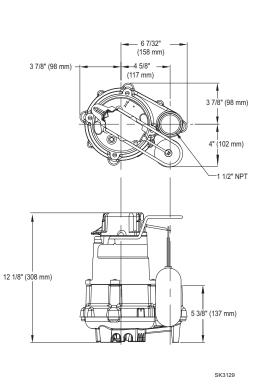
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

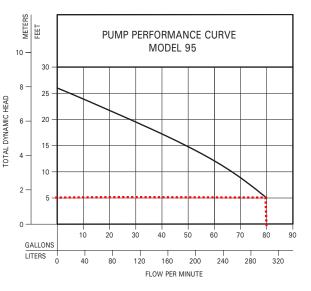
Where for 100-year, 6-hour storm- zone 1								
-	Ea= 0.44	Qa= 1.29						
	Eb= 0.67	Qb= 2.03						
	Ec= 0.99	Qc= 2.87						
	Ed= 1.97	Qd= 4.37						
ONSITE Conditons FIRST FLUSH WATER QUALITY VOLUME								
	REQUIRED	PROVIDED						
	(CF)	(CF)						
WATER QUALITY	0	1234						
FLOOD CONTROL	0	1234						
TOTAL VOLUME GENERAT	E 1918	2073						

Narrative

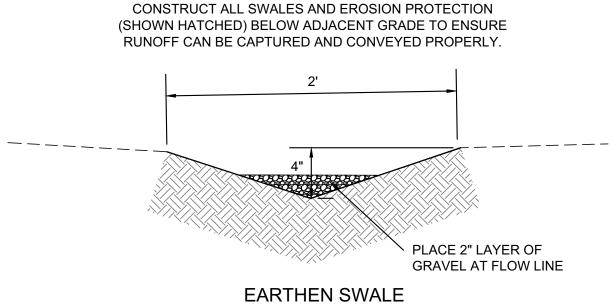
This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns. Due to city height restrictions we must maintain the average natural grade. The site does not exceed the SAD 228 developed conditions assumptions therefore ponding is not required. Upland flow is allowed to enter and pass throught sight within existing drainage easement. Due to height restrictions, the pad is not able to be raised, therfore the site will not drain to the street. A sump pump has been added to drain the rear yard. The pump curve shows a discharge rate of .16 cfs, therefor the pond will drain in 3.3 hours This plan is in conformance to the master drainage plan







SSPMA TOUGH



NTS

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.

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EROSION CONTROL NOTES:

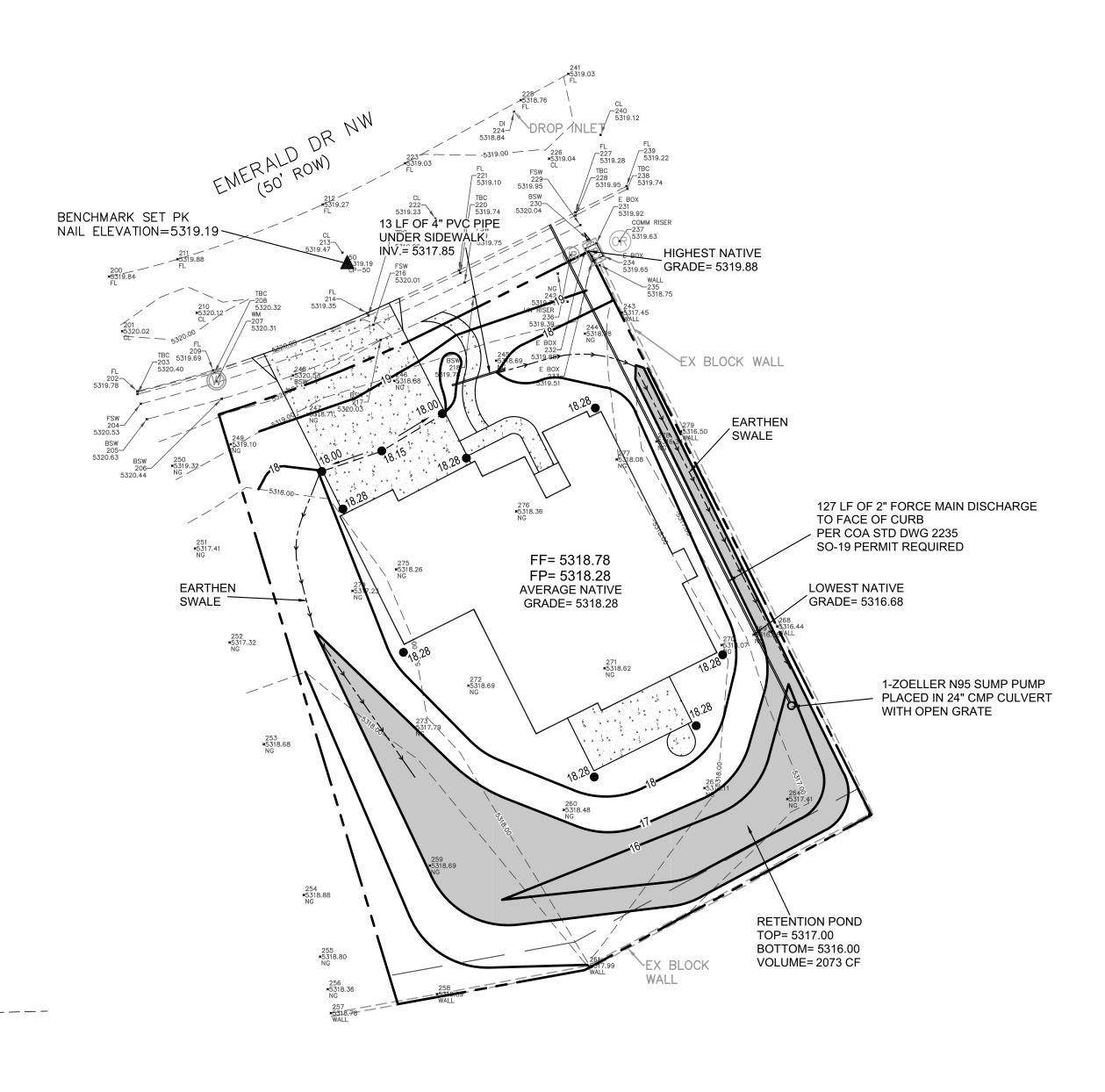
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

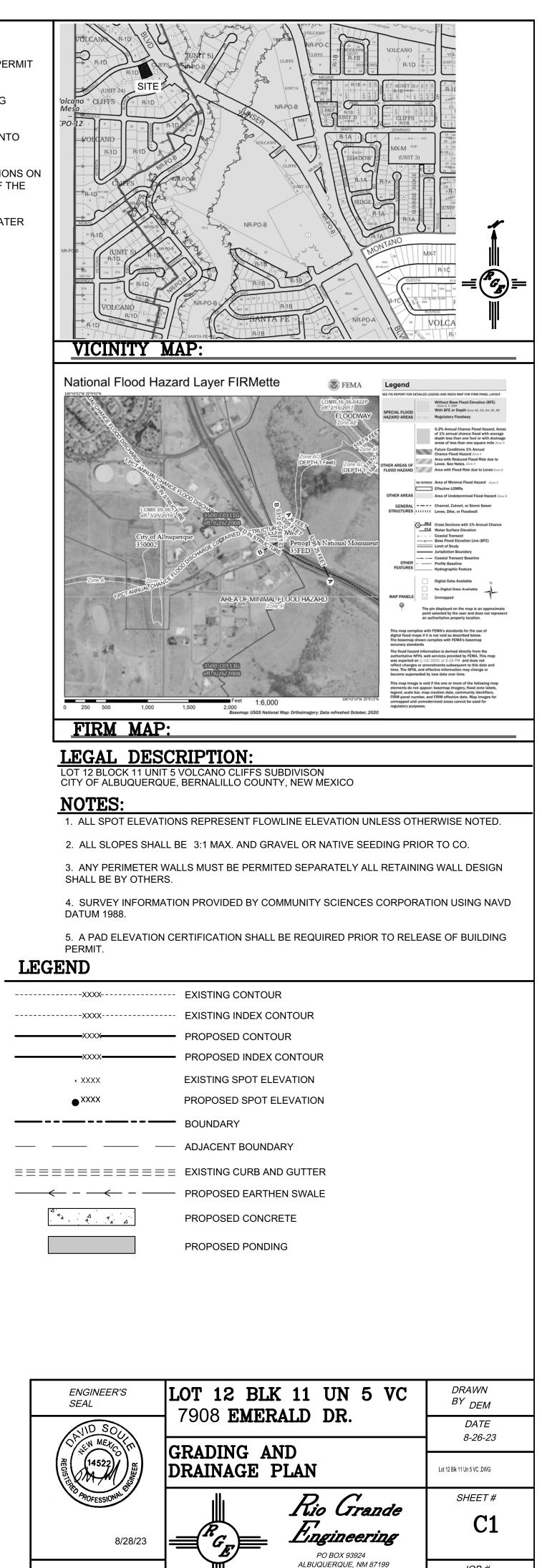
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

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.

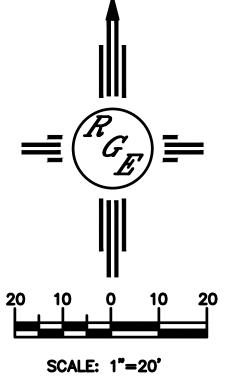




JOB #

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(505) 321-9099



DAVID SOULE

P.E. #14522