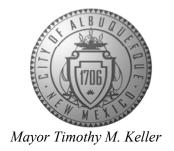
CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



June 24, 2022

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

RE: Lot 12 Block 4 Unit 22 SAD 228 6411 Canavio Pl NW Grading and Drainage Plan Engineers Stamp Date 6/23/2022 (D10D003D12)

Mr. Soule,

Based upon the information provided in your submittal received 6/23/2022, 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.

PO Box 1293

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

Albuquerque

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.

NM 87103

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

www.cabq.gov

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: 6411 CANAVIO NW	Building Permit #	: Hydrol	ogy File #:						
DRB#: LOT 12 BLOCK 4									
Legal Description: LOT 12 BLOCK 4	VOLCANO CL	IFFS UNIT 22							
City Address: 6411 CANAVIO		N-2							
Applicant:		Contact:							
Address:									
Phone#:									
Other Contact: RIO GRANDE ENGINE									
Address: PO BOX 93924 ALB NM		Onlaw.							
Phone#: 505.321.9099		999 E-mail: d	E-mail: david@riograndeengineering.com						
TYPE OF DEVELOPMENT: PLAT									
Check all that Apply:									
DEPARTMENT:	7	TYPE OF APPROVAL/ACCE	PTANCE SOUGHT:						
X HYDROLOGY/ DRAINAGE		X BUILDING PERMIT APPE							
TRAFFIC/ TRANSPORTATION		PANCY							
TYPE OF SUBMITTAL:									
ENGINEER/ARCHITECT CERTIFICATION	1 _	PRELIMINARY PLAT AP	PROVAL						
PAD CERTIFICATION		SITE PLAN FOR SUB'D APPROVAL							
CONCEPTUAL G & D PLAN		SITE PLAN FOR BLDG. F	PERMIT APPROVAL						
XX GRADING PLAN	_	FINAL PLAT APPROVAI							
DRAINAGE REPORT	_								
DRAINAGE MASTER PLAN		SIA/ RELEASE OF FINAN	ICIAL GUARANTEE						
FLOODPLAIN DEVELOPMENT PERMIT A	-	FOUNDATION PERMIT A							
ELEVATION CERTIFICATE		GRADING PERMIT APPROVAL							
CLOMR/LOMR	_	SO-19 APPROVAL							
TRAFFIC CIRCULATION LAYOUT (TCL)		PAVING PERMIT APPRO	OVAL.						
TRAFFIC IMPACT STUDY (TIS)	-	RADING/ PAD CERTIF							
STREET LIGHT LAYOUT	_	WORK ORDER APPROVAL							
OTHER (SPECIFY)		CLOMR/LOMR	_						
PRE-DESIGN MEETING?		FLOODPLAIN DEVELOPI	MENT DEDMIT						
IS THIS A RESUBMITTAL?: YesXX_No		OTHER (SPECIFY)							
DATE SUBMITTED:	*								
COA STAFF:	ELECTRONIC SUBMI	ITTAL RECEIVED:	-						
	FEE PAID:								

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	14077.00	0.323	0%	0	20%	0.065	46%	0.1487	34%	0.110	1.259	0.034	1.0	0.038
PROPOSED	14077.00	0.323	0%	0	21%	0.068	32%	0.1034	47%	0.152	1.383	0.037	1.1	0.043
COMPARISON							•					0.003		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

Qa= 1.29 Eb= 0.67 Qb= 2.03 Qc= 2.87 Ec= 0.99 Ed= 1.97 Qd= 4.37

ONSITE Conditions

WATER QUALITY

FLOOD CONTROL

Narrative

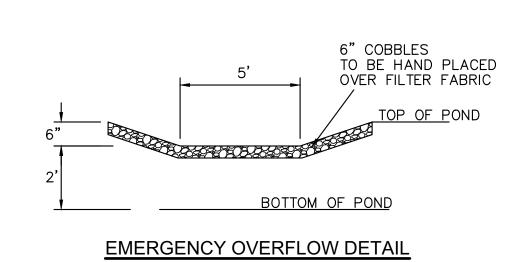
DRAINAGE SUMMARY

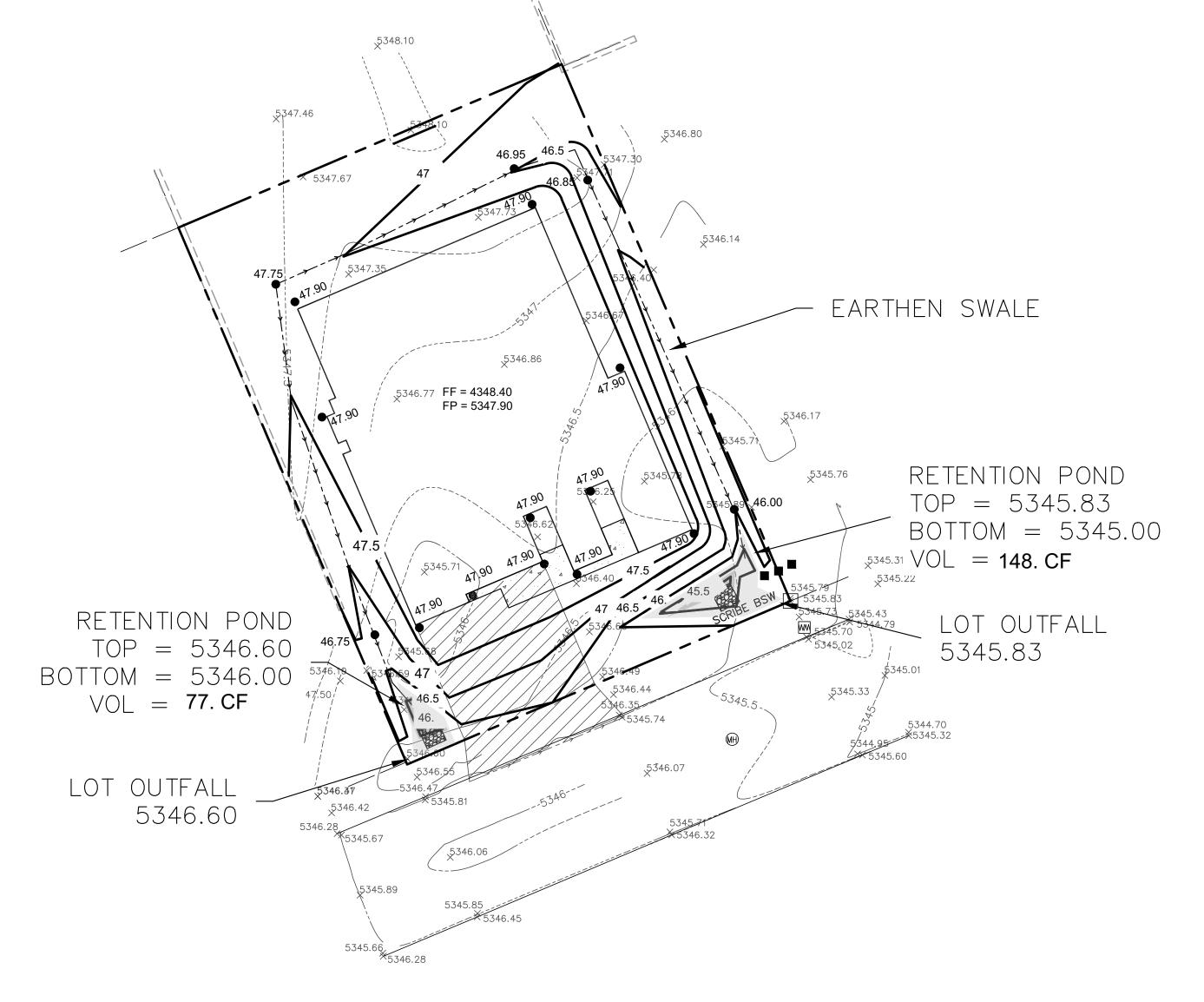
REQUIRED PROVIDED (CF) 225 225 216

This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the roadway to the south per the master drainage plan. The site does exceed the SAD 228 developed conditions assumptions, therefore ponding of 216 cf is required. Minor upland flow is allowed to enter and pass arcross site. This plan is in conformance to the master drainage p Minor upland flow is allowed to enter and pass arcross site. This plan is in conformance to the master drainage plan

CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENDSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY -----PLACE 2" LAYER OF GRAVEL AT FLOW LINE

EARTHEN SWALE



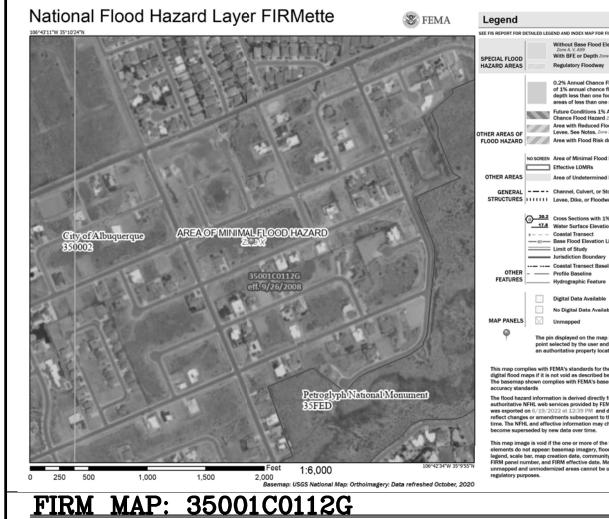


EROSION CONTROL NOTES:

- 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.



VICINITY MAP: D-10-Z



LEGAL DESCRIPTION:

LOT 12 BLOCK 4 UNIT 22 VOLCANO CLIFFS SUBDIVISION CITY OF ABLUQUERQUE, BERNALILLO COUTNY, NEW MEXICO

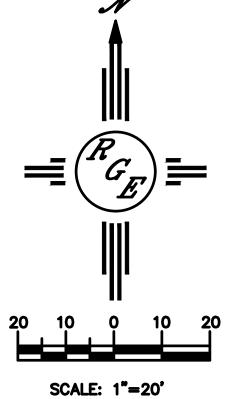
- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- 2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- 3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY ALL RETAINING WALL DESIGN

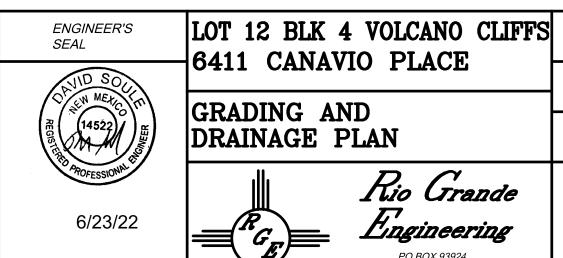
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD

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

LEGEND

XXXX	EXISTING CONTOUR
XXXX	EXISTING INDEX CONTOUR
XXXX	PROPOSED CONTOUR
—XXXX——	PROPOSED INDEX CONTOUR
× XXXX	EXISTING SPOT ELEVATION
● XXXX	PROPOSED SPOT ELEVATION
	BOUNDARY
	ADJACENT BOUNDARY
=========	EXISTING CURB AND GUTTER
	PROPOSED EARTHEN SWALE
	PROPOSED BASIN BOUNDARY
	PROPOSED GRAVEL
	PROPOSED CONCRETE
	PROPOSED PONDING
	PROPOSED OVERFLOW





DAVID SOULE P.E. #14522

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

6-22-22 6411CANAVIO.DWG SHEET# C1

^{BY} RGE

DATE

JOB#

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.