CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



August 26, 2020

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

RE: Lot 14 Block 2 Unit 22 SAD 228
6311 Camino Alto NW
Volcano Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date 8/22/2020 (D10D003C14)

Dear Mr. Soule,

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 8/26/2020, 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: 6311 CAMINO ALTO N	W Building Permit #:	Hydrology	File #:						
			 er#:						
DRB#: Legal Description: LOT 14 BLOCK	2VOLCANO CLIFFS	UNIT 22							
City Address: 6311 CAMINO ALTO	NW								
Applicant:		Contact:							
Address:									
Phone#:									
Other Contact: RIO GRANDE ENGIN									
Address: PO BOX 93924 ALB NM			··						
Phone#: 505.321.9099		E-mail: david	d@riograndeengineering.com						
TYPE OF DEVELOPMENT: PLAT									
Check all that Apply:									
DEPARTMENT:	ТҮРЕ	OF APPROVAL/ACCEPTA	NCE SOUGHT:						
X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION	X BI	X BUILDING PERMIT APPROVAL							
TRAFFIC/ TRANSFORTATION	CI	ERTIFICATE OF OCCUPANO	OF OCCUPANCY						
TYPE OF SUBMITTAL:									
ENGINEER/ARCHITECT CERTIFICATIO	N PF	PRELIMINARY PLAT APPROVAL SITE PLAN FOR SUB'D APPROVAL SITE PLAN FOR BLDG. PERMIT APPROVAL FINAL PLAT APPROVAL							
PAD CERTIFICATION	SI								
CONCEPTUAL G & D PLAN	SI								
XX GRADING PLAN	FI								
DRAINAGE REPORT									
DRAINAGE MASTER PLAN	SI	SIA/ RELEASE OF FINANCIAL GUARANTEE							
FLOODPLAIN DEVELOPMENT PERMIT	APPLICFC	FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL							
ELEVATION CERTIFICATE	GI								
CLOMR/LOMR	SC	0-19 APPROVAL							
TRAFFIC CIRCULATION LAYOUT (TCI	PA	VING PERMIT APPROVAI							
TRAFFIC IMPACT STUDY (TIS)	I	RADING/PAD CERTIFICAT	ΓΙΟΝ						
STREET LIGHT LAYOUT	W	ORK ORDER APPROVAL							
OTHER (SPECIFY)	CI	OMR/LOMR							
PRE-DESIGN MEETING?	FI	FLOODPLAIN DEVELOPMENT PERMIT							
IS THIS A RESUBMITTAL?: YesXX _	O7	THER (SPECIFY)							
DATE SUBMITTED:	*	* *************************************							
COA STAFF:	ELECTRONIC SUBMITTAL F	ECEIVED:							

Weighted E Method

										100-Year, 6-hr.			24 hour		
	Basin	Area	Area	Treatment A Treatment I			ment B	Treatment C Treatr		ment D	Weighted E	Volume	Flow	Volume	
		(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
	ALLOWED	16247.00	0.373	0%	0	20%	0.075	46%	0.1716	34%	0.127	1.259	0.039	1.20	0.044
	PROPOSED	16247.00	0.373	0%	0	20%	0.075	54%	0.2014	26%	0.097	1.181	0.037	1.15	0.040
	COMPARISON												-0.002		-0.004

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 Ea= 0.44 Eb= 0.67 Qb= 2.03 Ec= 0.99 Qc= 2.87 Ed= 1.97 Qd= 4.37

ONSITE Conditions

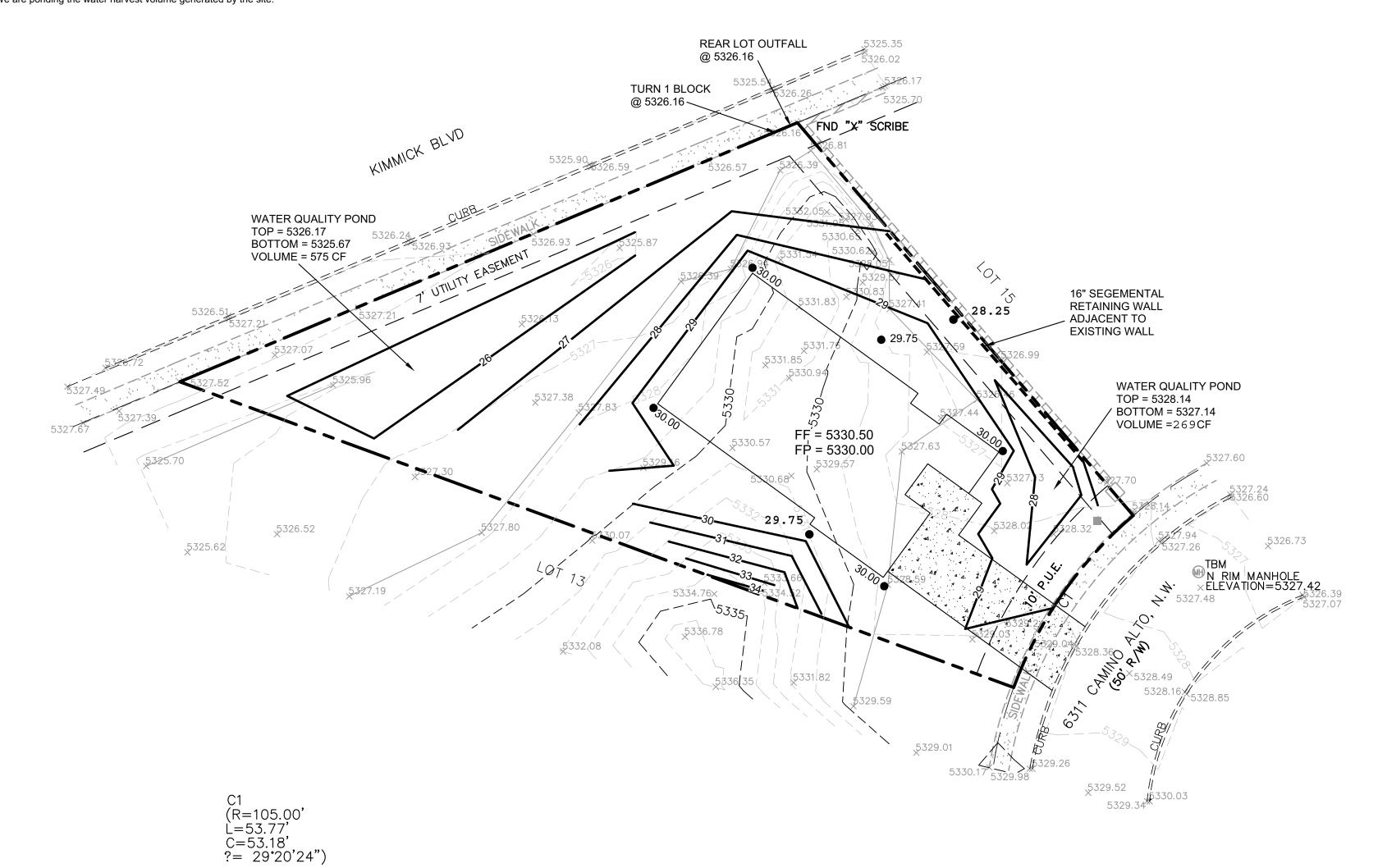
FIRST FLUSH WATER QUALITY VOLUME REQUIRED PROVIDED (CF)

(CF) 844 WATER QUALITY FLOOD CONTROL 844

This plan is in conformance to the master drainage plan

Narrative

This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway to the south per the master drainage plan. The site does not exceed the SAD 228 developed conditions assumptions, Due to existing grades being lower in the roadways retention pond is proposed. We are ponding the water harvest volume generated by the site.

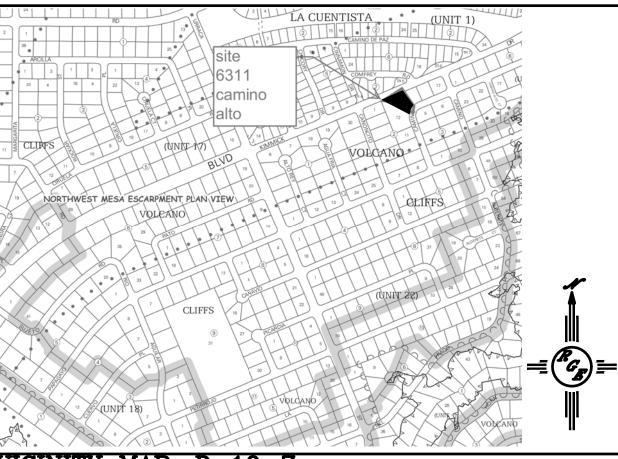


CAUTION:

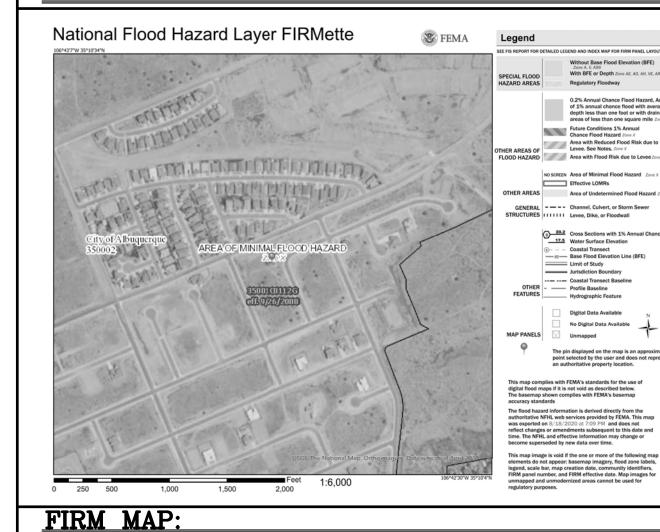
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL **NECESSARY FIELD INVESTIGATIONS PRIOR** TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

- 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:

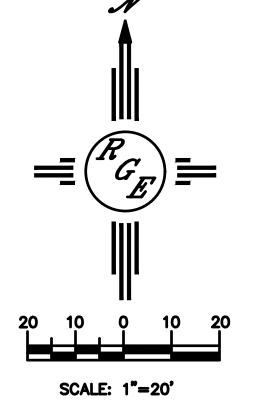
LOT 14, BLOCK 2 UNIT 22 VOLCANO CLIFFS CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

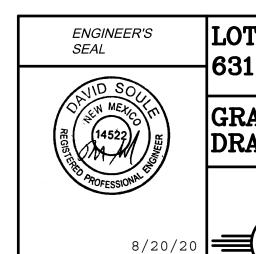
NOTES:

- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- 2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING
- 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
- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

LEGEND

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR PROPOSED INDEX CONTOUR EXISTING SPOT ELEVATION × XXXX XXXX PROPOSED SPOT ELEVATION BOUNDARY — → PROPOSED EARTHEN SWALE — — — — ADJACENT BOUNDARY A A A PROPOSED CONCRETE DRIVEWAY PROPOSED RETAINING WALL





DAVID SOULE

P.E. #14522

LOT 14 BLK 2 U 22 VC 6311 CAMINO ALTO NW

GRADING AND DRAINAGE PLAN



 BY DEM

DATE 8-19-20

LOT 14, BLK 2 UN 22 VC.DWG

SHEET#

JOB#

C1