CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

February 10, 2023

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

Re: Lot 16 Block 2 SAD 227 Volcano Cliffs Subdivision Unit 2 5620 Kimberlite NW Grading and Drainage Plan Engineers Stamp Date 1/7/2021 (E10D110) Pad Certification Date: 5/6/2022 CO Certification Dated: 2/6/2023

PO Box 1293 Mr. Soule:

Based on the Certification received on 2/9/2023, the site is acceptable for release of Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

NM 87103

Sincerely,

Teque Che

www.cabq.gov

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

RR/TC C: File E10D110



City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 5620 KIMBERLITE	Building Permit	#:	Hydrol	Hydrology File #:			
DRB#:	EPC#:		Work (Order#:			
DRB#:LOT 16, Block	2 VOLCANO	CLIFFS U	JNIT 2				
City Address: 5620 KIMBERLITE		••••					
Applicant:							
Address:							
Phone#:	Fax#:		E-mail:				
Other Contact: RIO GRANDE ENGINE	ERING		Contact:	DAVID SOULE			
Address: PO BOX 93924 ALB NM	8/199						
Phone#: 505.321.9099	Fax#: 505.872.	0999	E-mail: ^{da}	avid@riograndeengineering.com			
TYPE OF DEVELOPMENT: PLAT		NCE	DRB SITE	ADMIN SITE			
Check all that Apply:							
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: X ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING 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)	PPLIC	UILDIN BUILDIN CERTIFIC PRELIMI SITE PLA SITE PLA FINAL P SIA/ REL GRADIN GRADIN GRADIN GRADIN CORK OI CLOMR/	IG PERMIT APPR CATE OF OCCUP NARY PLAT AP AN FOR SUB'D A AN FOR BLDG. P LAT APPROVAL EASE OF FINAN TION PERMIT APPR PROVAL PERMIT APPRO G/ PAD CERTIFI RDER APPROVAL LOMR	PANCY PROVAL APPROVAL PERMIT APPROVAL CIAL GUARANTEE APPROVAL ROVAL VAL ICATION			
PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?: X Yes No	,		LAIN DEVELOPN (SPECIFY)				
10 1110 / 110 00 00 1 1 / 11 (1 03 10	,						
DATE SUBMITTED:							
COA STAFF:	ELECTRONIC SUB	MIITAL RECEIVE	D:				
	FEE PAID:						

Weighted E Method															
													100-Yea	, 6-hr.	24 hour
ſ	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)
Г	ALLOWED	13176.00	0.302	0%	0	20%	0.060	46%	0.1391	34%	0.103	1.259	0.032	0.97	0.036
	PROPOSED	13176.00	0.302	0%	0	20%	0.060	36%	0.1089	44%	0.133	1.357	0.034	1.02	0.039
	COMPARISON												0.002		0.004

Equations:

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

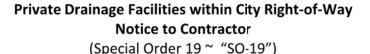
Volume = Weighted D * Total Area

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

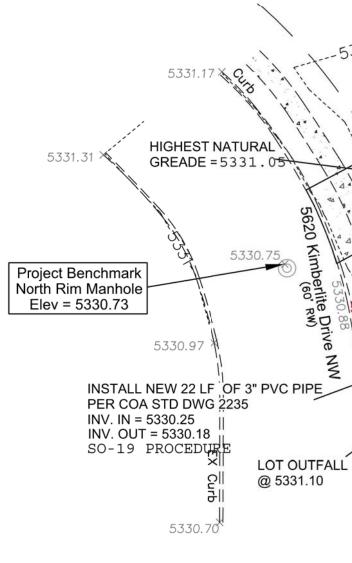
Where for 100-year, 6-hou	r storm- zone 1						
	Ea= 0.44	Qa= 1.29					
	Eb= 0.67	Qb= 2.03					
	Ec= 0.99	Qc= 2.87					
	Ed= 1.97	Qd= 4.37					
ONSITE Conditons FIRST FLUSH WATER QUALITY VOLUME							
	REQUIRED	PROVIDED					
	(CF)	(CF)					
WATER QUALITY	0	766					
FLOOD CONTROL	158	766					

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 lowest possible grade, with the rear ponding the around the perimeter before draining to adjacent lots. The site does exceed the SAD 228 developed conditions assumptions therefore ponding is required. No upland flow enters the site. The building requires gutters to direct developed flow to street This plan is in conformance to the master drainage plan



- 1. An excavation permit will be required before beginning any
- work within City Right-Of-Way. 2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- 3. Two working days prior to any excavation, the contractor must contact **New Mexico One Call, dial "811"** [or (505) 260-1990] for the location of existing utilities.
- 4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- 5. Backfill compaction shall be according to traffic/street use. 6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
- 7. Work on arterial streets may be required on a 24-hour basis. 8. Contractor must contact Augie Armijo at (505) 857-8607 and Construction Coordination at 924-3416 to schedule an



CAUTION:

inspection.

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.

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 1/7/21 THE PAD WAS BUILT 1.12' HIGHER THAN THE APPROVED PLAN. THIS ELEVATION DOES NOT HAVE NEGATIVE IMPACT ON DRAINAGE CONCEPT. ALLOWED BUILDING HEIGHTS MAY BE IMPACTED



I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 1/17/21 The certification is submitted in support of a request for <u>CERTIFICATE OR OCCUPANCY</u>. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project.



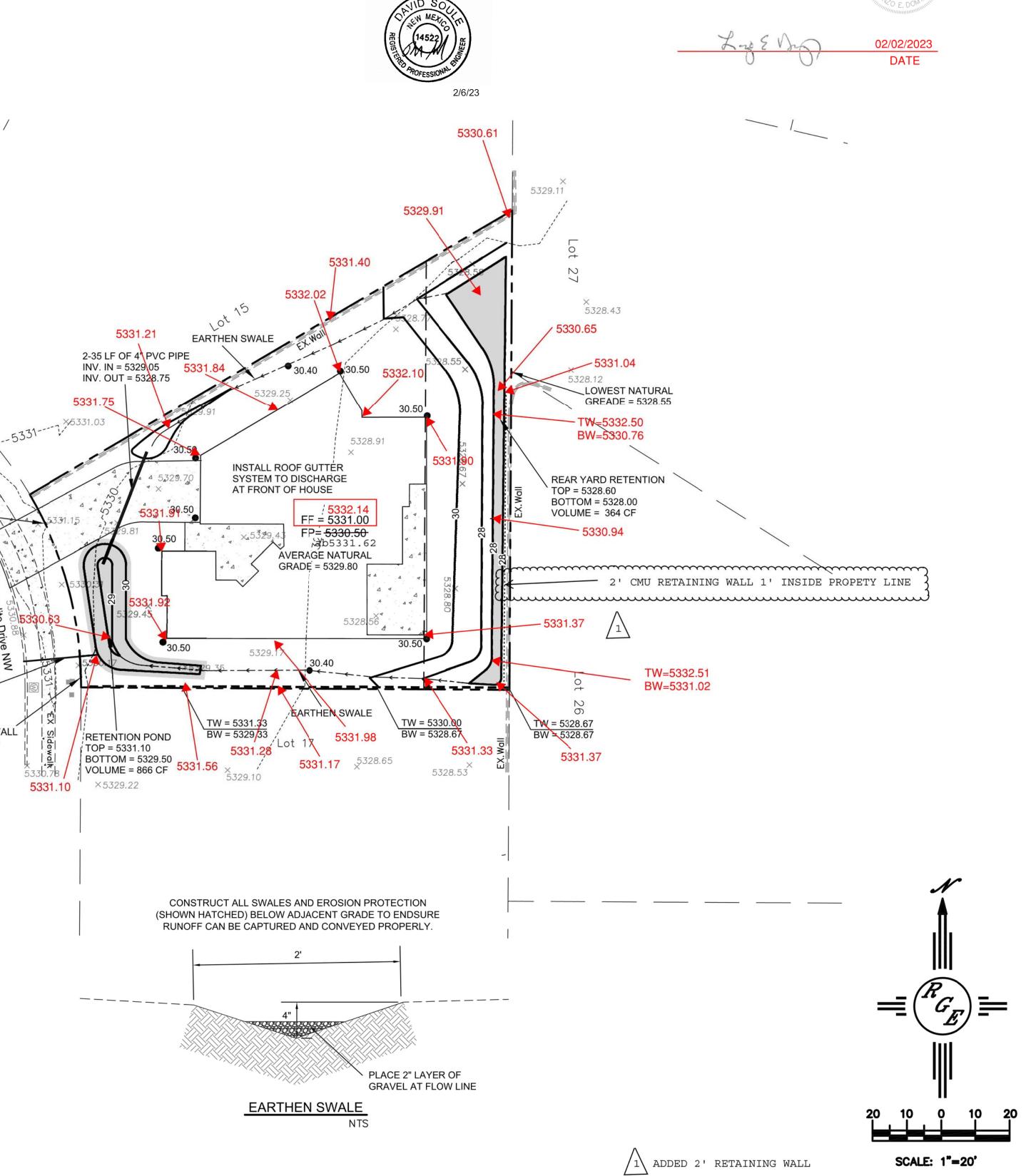
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

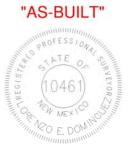
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

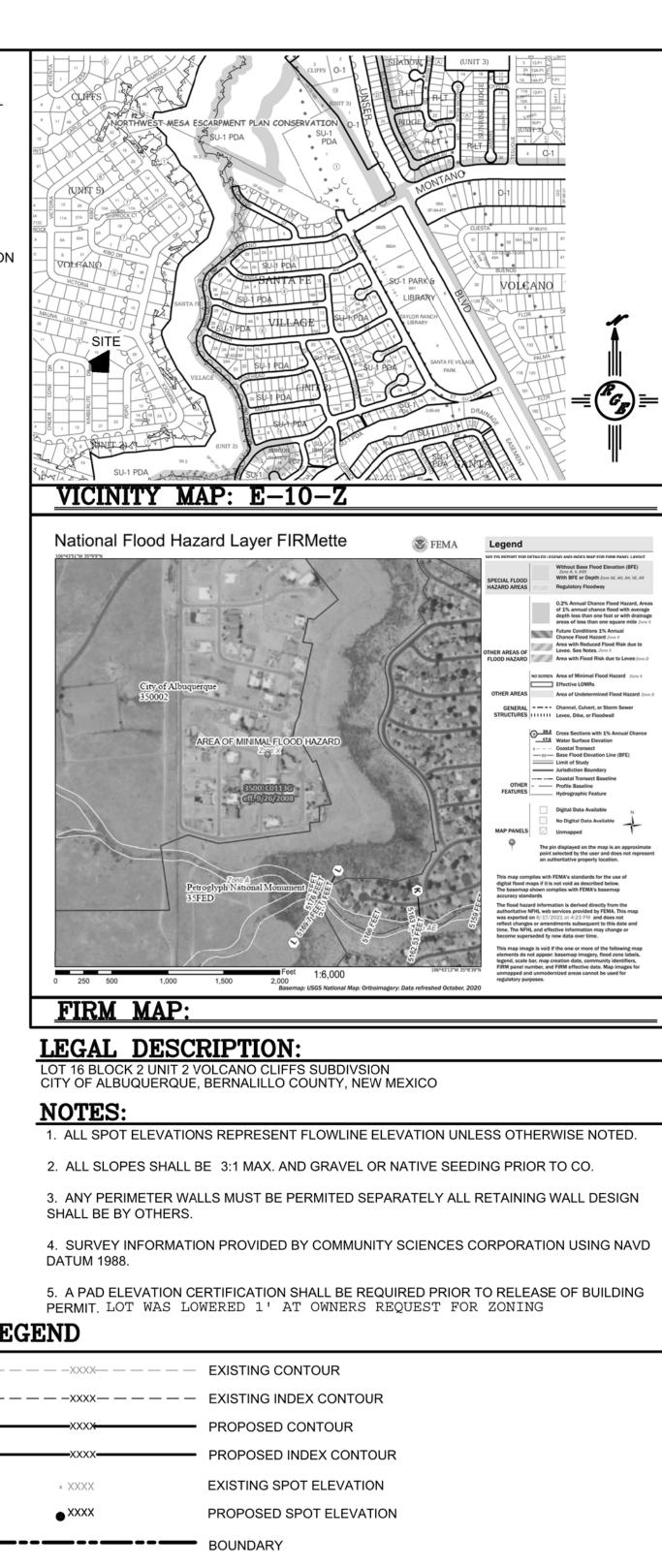
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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.







LEGEND ---- EXISTING INDEX CONTOUR BOUNDARY ------ ADJACENT BOUNDARY ------ PROPOSED EARTHEN SWALE PROPOSED RETAINING WALL PROPOSED CONCRETE PROPOSED PONDING

