

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

November 16, 2022

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

RE: **Lot 27 Block 8 Unit 22 SAD 228**
6624 Sujeto Rd. NW
Volcano Cliffs Subdivision
Grading and Drainage Plan Date: 4/6/2021
Revised Grading and Drainage Plan Date: 8/9/2022
File Number (D10D003K18)

Dear Mr. Soule,

Based upon the information provided in your submittal received 11/14/2022, this plan is approved for Grading Permit and will now be the plan of record.

PO Box 1293

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Albuquerque

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

NM 87103

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.

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 924-3695 or Rudy Rael at 924-3977.

Sincerely,

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

RR/TC
C: File D10D003K18



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6624 SUJETO **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 18 BLOCK 5 Volcano Cliffs unit 18
City Address: 6624 SUJETO

Applicant: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE
Address: PO BOX 93924 ALB NM 87199
Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: _____ PLAT ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
_____ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

_____ ENGINEER/ARCHITECT CERTIFICATION
_____ PAD CERTIFICATION
_____ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
_____ DRAINAGE REPORT
_____ DRAINAGE MASTER PLAN
_____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
_____ ELEVATION CERTIFICATE
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT (TCL)
_____ TRAFFIC IMPACT STUDY (TIS)
_____ STREET LIGHT LAYOUT
_____ OTHER (SPECIFY) _____
_____ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: ☒ Yes _____ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

_____ BUILDING PERMIT APPROVAL
☒ 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
_____ SO-19 APPROVAL
_____ PAVING PERMIT APPROVAL
_____ GRADING/ PAD CERTIFICATION
_____ WORK ORDER APPROVAL
_____ CLOMR/LOMR
_____ FLOODPLAIN DEVELOPMENT PERMIT
_____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method												
										100-Year, 6-hr.		
Basin	Area (sf)	Area (acres)	Treatment A (% (acres))	Treatment B (% (acres))	Treatment C (% (acres))	Treatment D (% (acres))	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs			
ALLOWED	21133.00	0.485	0%	0	20%	0.097	46%	0.2232	34%	0.185	1.259	0.051
PROPOSED	21133.00	0.485	0%	0	20%	0.097	33%	0.1601	47%	0.228	1.387	0.056
COMPARISON												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

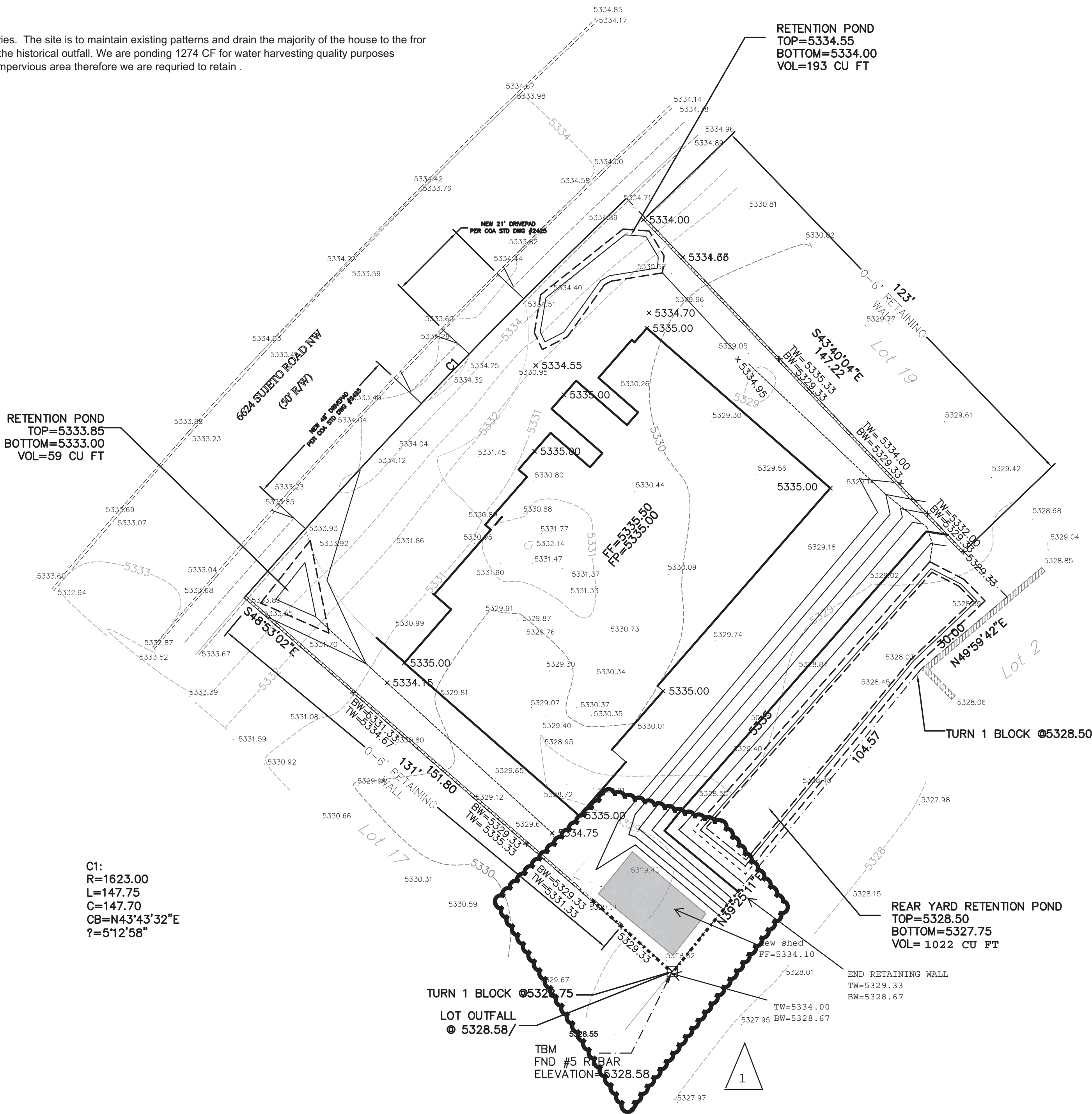
Ea= 1.29
Eb= 0.44
Ec= 0.67
Ed= 0.99

Qa= 2.03
Qb= 2.87
Qc= 1.97
Qd= 4.37

ONSITE Conditions		
FIRST FLUSH WATER QUALITY	VOLUME REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	0	1274
FLOOD CONTROL	224	1274

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain the majority of the house to the fror and the remainder will drain to the west where it overflows to the historical outfall. We are ponding 1274 CF for water harvesting quality purposes there is no upland flow. This plan does exceed the allowed impervious area therefore we are required to retain . This plan is in conformance to the master drainage plan



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:

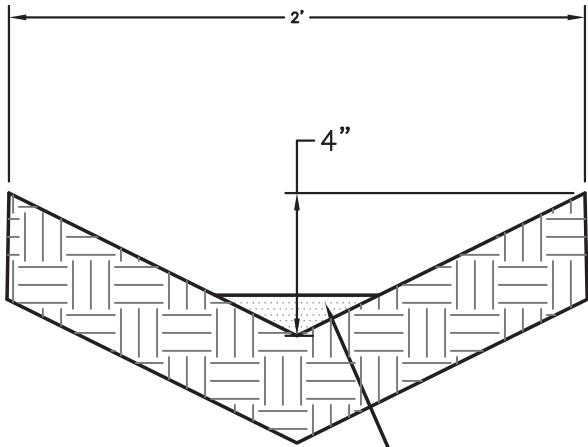
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

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.

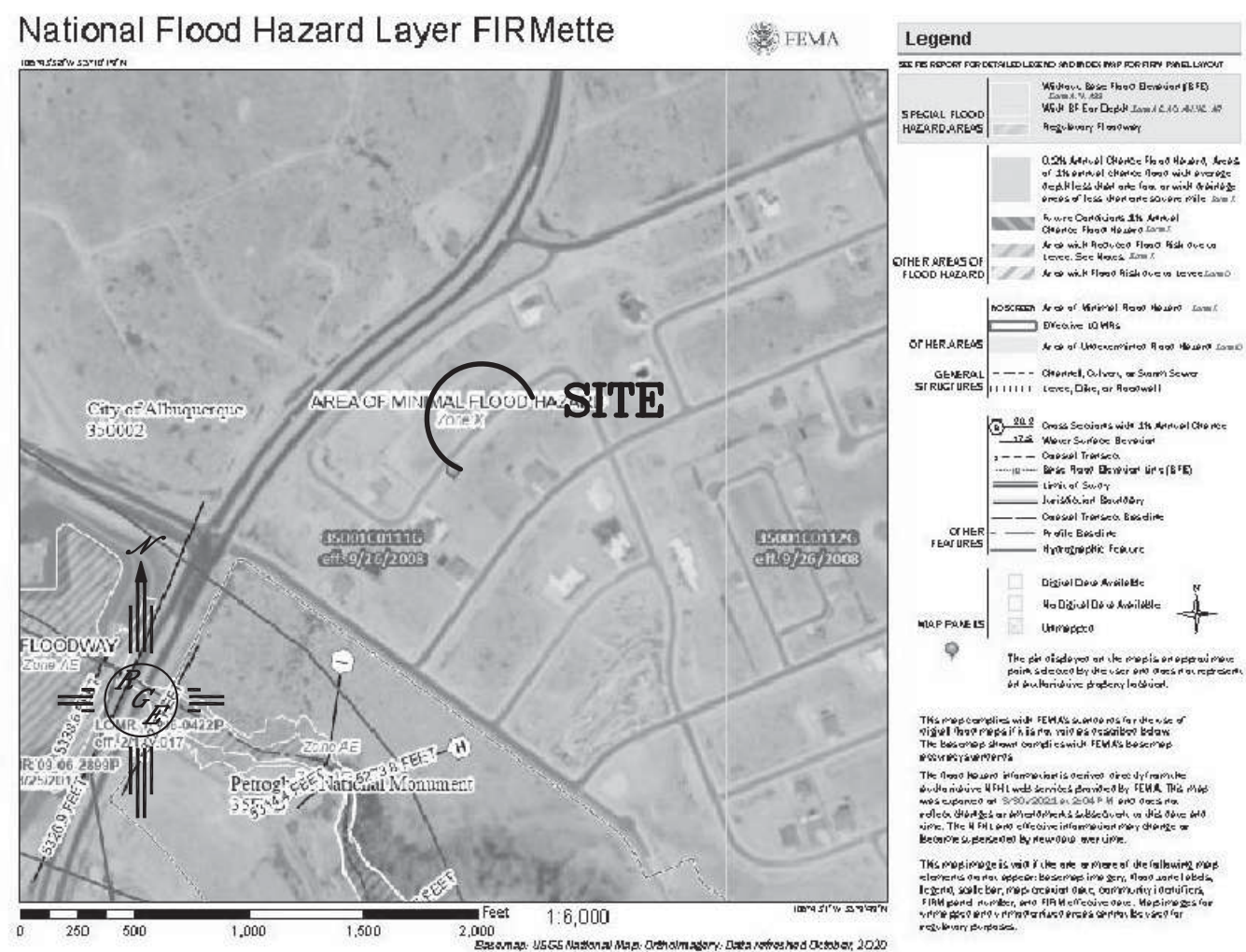
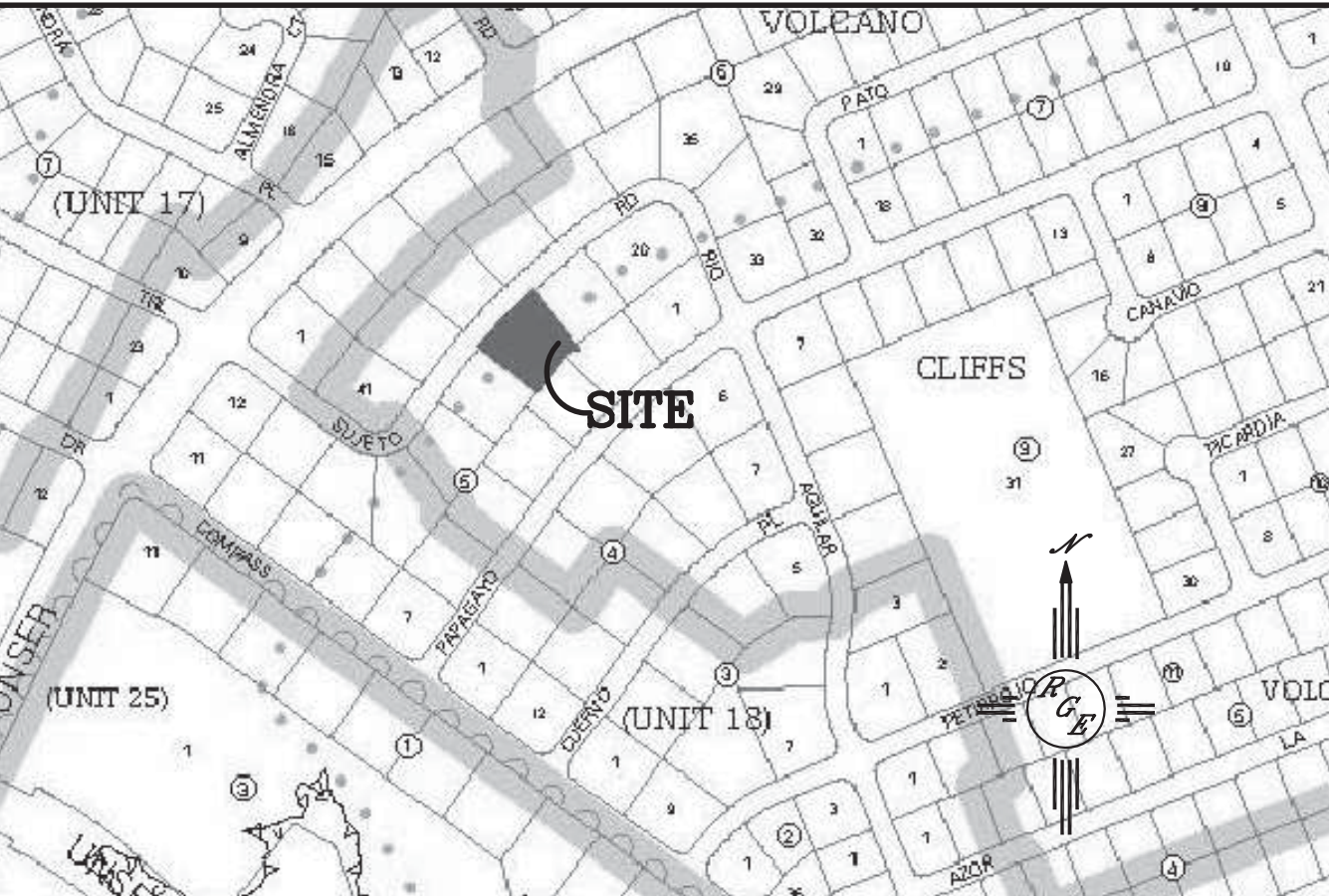
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



EARTHEN SWALE DETAIL

NTS



FIRM MAP:

LEGAL DESCRIPTION:

LOT 18, BLOCK 5, VOLCANO CLIFFS UNIT 18

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.

LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
-----XXXX-----	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
-----	LOT LINE
-----	CENTERLINE
-----	RIGHT-OF-WAY
-----	PROPOSED 4" PVC SD
-----	GRAVEL LINED SWALE
=====	EXISTING CURB AND GUTTER
=====	PROPOSED CMU RETAINING WALL--DESIGN BY OTHERS

<div>1</div>	ADDED SHED, UPDATED POND VOLUME AND DRAINAGE CALCULATIONS TO ACCOMMODATE SHED	
	ENGINEER'S SEAL	6624 SUJETO
	DAVID SOULE 14522 REGISTERED PROFESSIONAL ENGINEER	DRAWN BY: WCVJ
	8/9/22 4/6/21	DATE 4-02-21
GRADING AND DRAINAGE PLAN		210210039--LAYOUT--4-02-21
		SHEET # —
DAVID SOULE P.E. #14522		JOB # 21021039