

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

January 26, 2026

David Soule, P.E.  
Rio Grande Engineering  
P.O. Box 93924  
Albuquerque, NM 87199

**RE: 6608 Petirrojo Rd NW  
PERMANENT C.O. – Accepted  
Engineer’s Certification Date: 4/5/2024  
Engineer’s Stamp Date: 2/20/24  
Hydrology File: D10D003G3P  
Case # HYDR-2026-00017**

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 1/20/2026 and the site visit on 1/23/2026, this letter serves as an approval from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

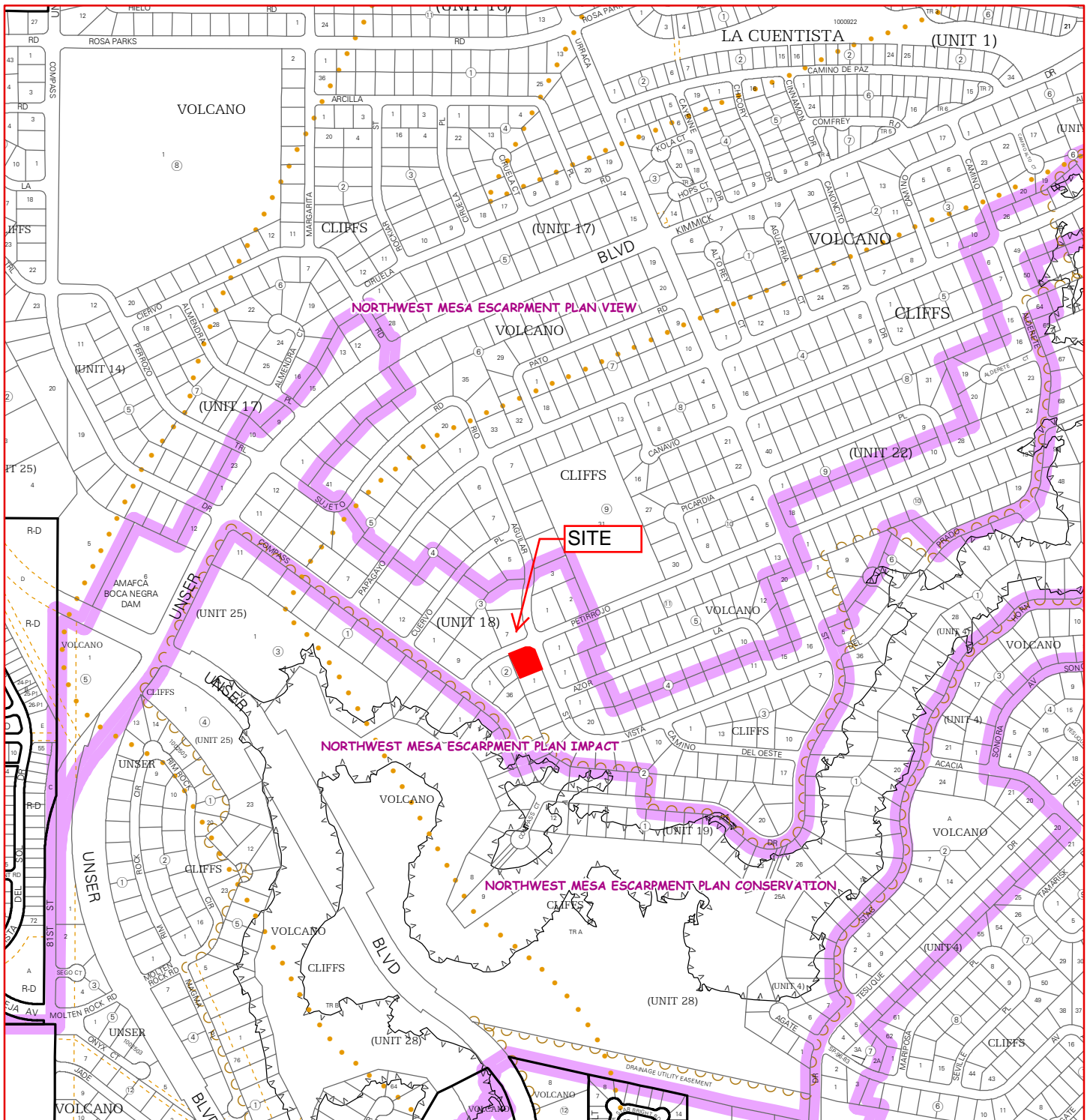
If you have any questions, please contact me at 505-924-3995 or [baileythompson@cabq.gov](mailto:baileythompson@cabq.gov).

NM 87103

Sincerely,

[www.cabq.gov](http://www.cabq.gov)

Bailey Thompson, E.I.T.  
Engineer Associate, Hydrology  
Planning Department, Development Review Services



For more current information and more details visit: <http://www.cabq.gov/gis>

Map amended through: 2/4/2010

Note: Grey Shading Represents Area Outside of the City Limits

Zone Atlas Page:  
**D-10-Z**

Selected Symbols

SECTOR PLANS	Escarpment
Design Overlay Zones	2 Mile Airport Zone
City Historic Zones	Airport Noise Contours
H-1 Buffer Zone	Wall Overlay Zone
Petroglyph Mon.	

0 750 1,500 Feet

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	24 hour Volume (ac-ft)
			A	B	C	D				
ALLOWED	15808.00	0.363	0%	24%	40%	36%	1.362	0.041	1.14	0.020
PROPOSED	15808.00	0.363	0%	20%	26%	54%	1.603	0.043	1.23	0.062
COMPARISON							0.007			0.012

Equations:

Weighted E =  $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$  / (Total Area)

Volume = Weighted E \* Total Area

Flow =  $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Where for 100-year, 6-hour storm- zone 1

$E_a = 0.55$	$Q_a = 1.54$
$E_b = 0.73$	$Q_b = 2.16$
$E_c = 0.95$	$Q_c = 2.87$
$E_d = 2.24$	$Q_d = 4.12$

ONSITE Conditions	FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY FLOOD CONTROL	0	624
	507	624

Narrative

This site is within the SAD 227 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 exceed the SAD 227 developed conditions assumptions, therefore ponding of 507 CF is required. Due to high restrictions we have incorporated ponding to minimize the pad height as much as possible. We are ponding the water harvest volume generated by the site. All building generated water drains to street. This plan is in conformance to the master drainage plan.

I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 2/20/24



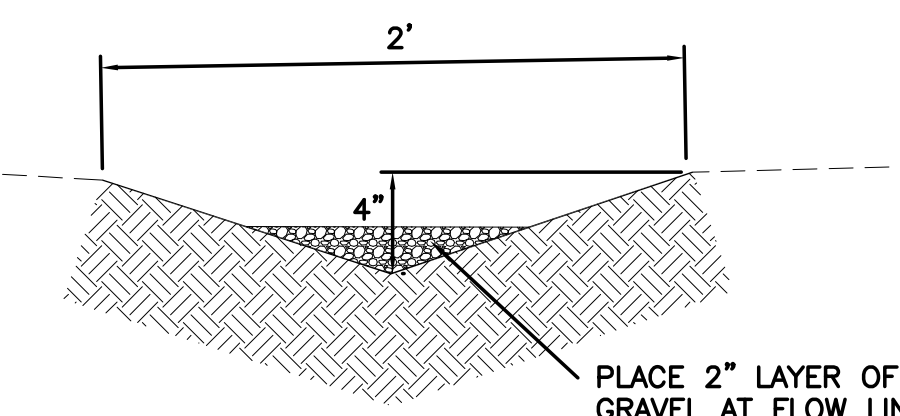
EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

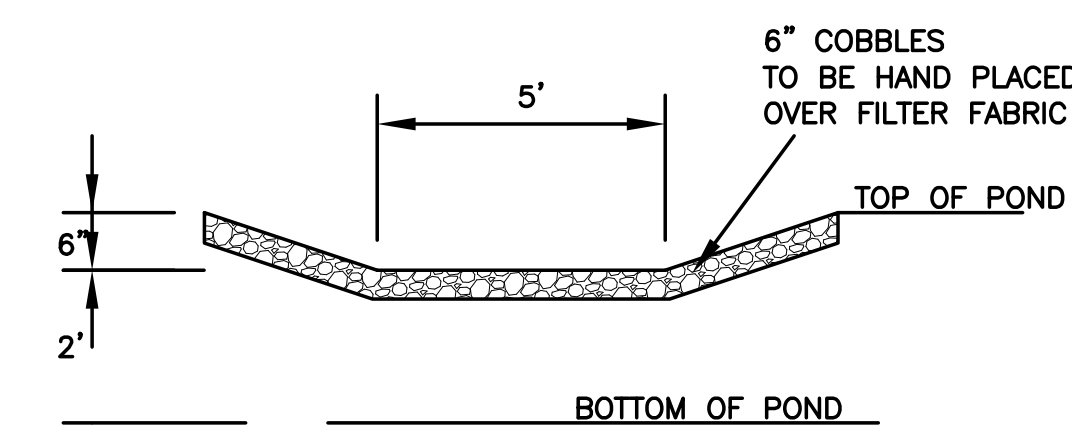
I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 9/26/17. The certification is submitted in support of a request for CERTIFICATE OR OCCUPANCY. 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.



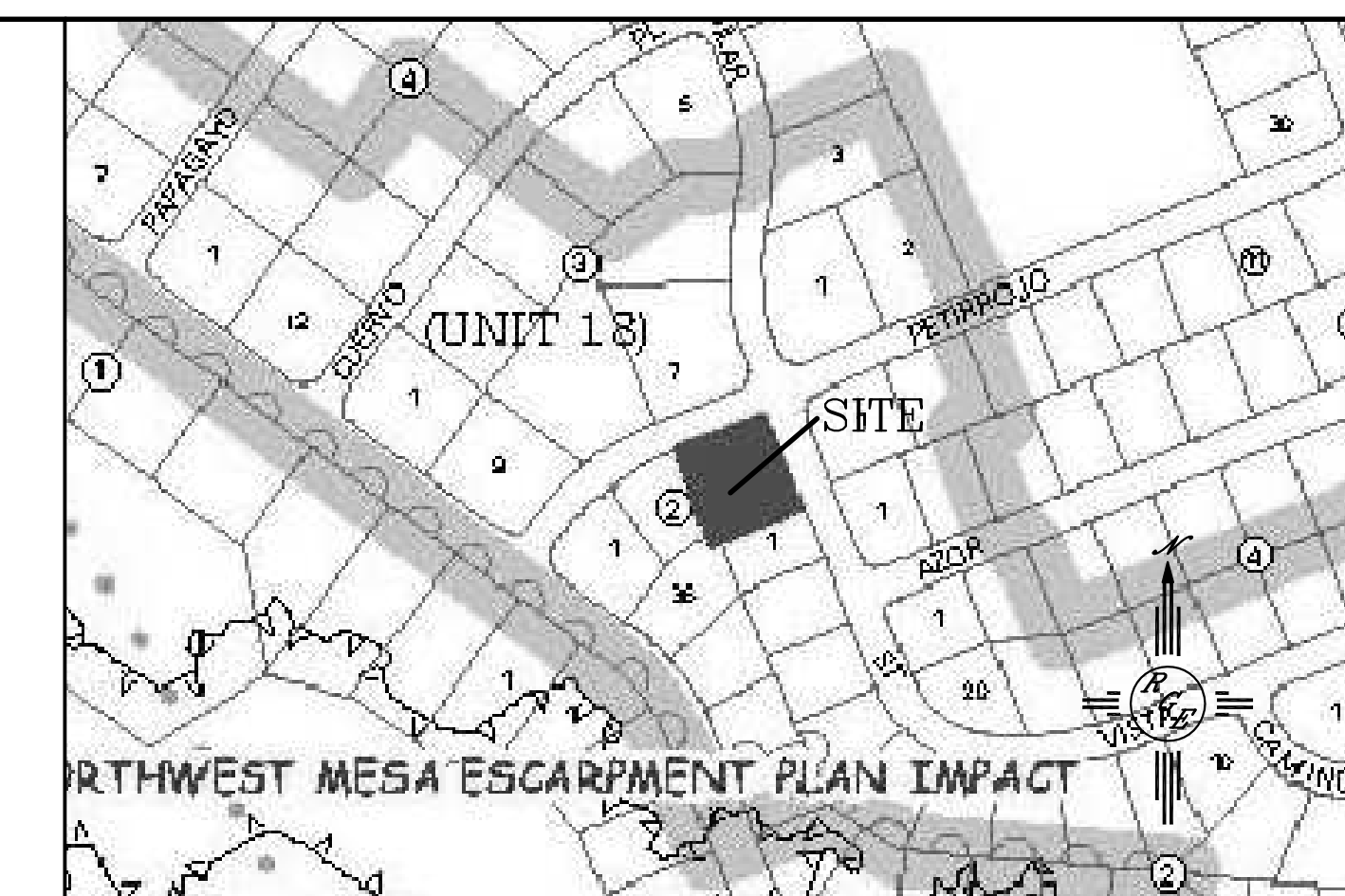
CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



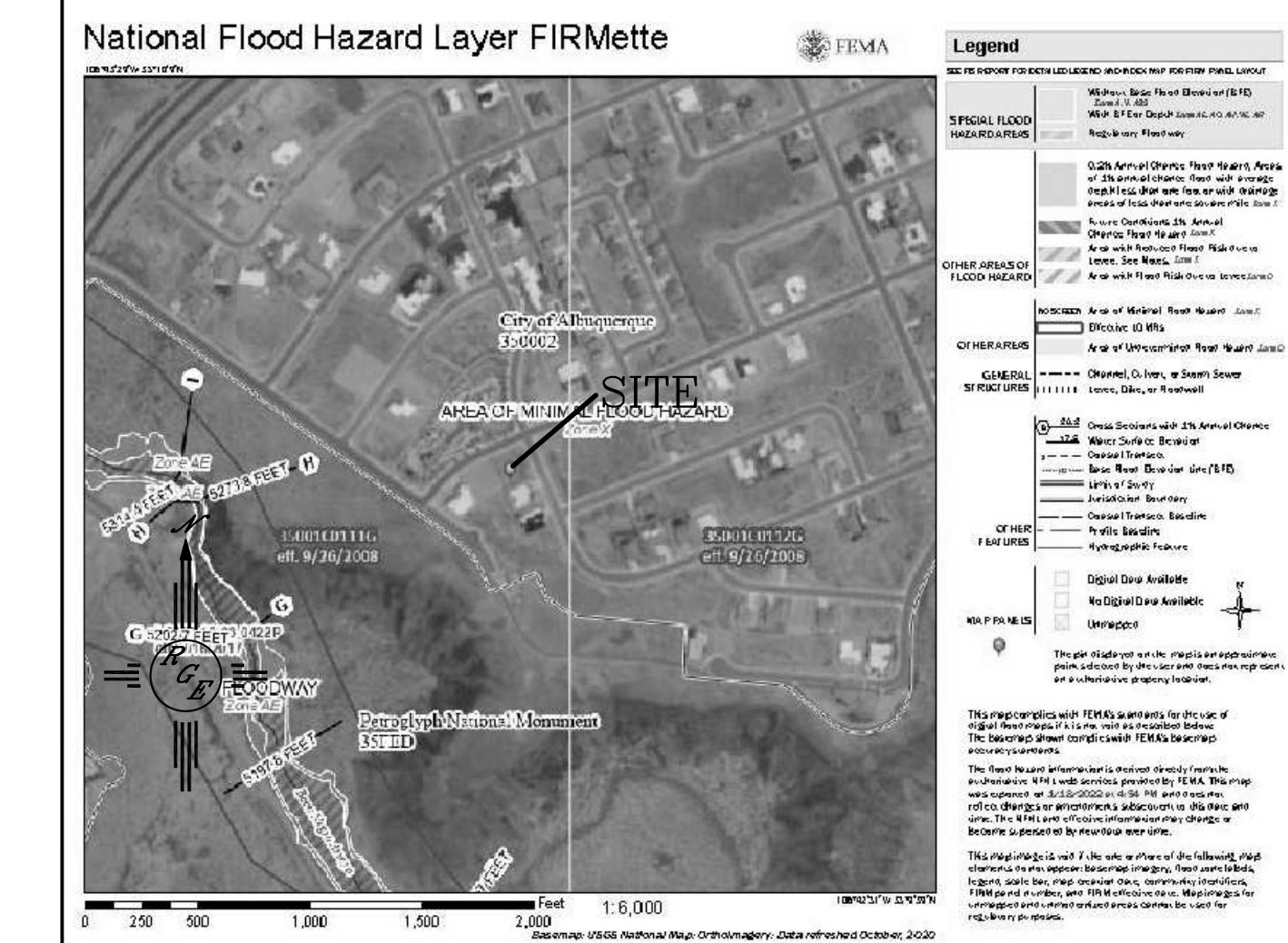
EARTHEN SWALE  
NTS



EMERGENCY OVERFLOW DETAIL  
NTS



VICINITY MAP: D-10-Z



FIRM MAP:

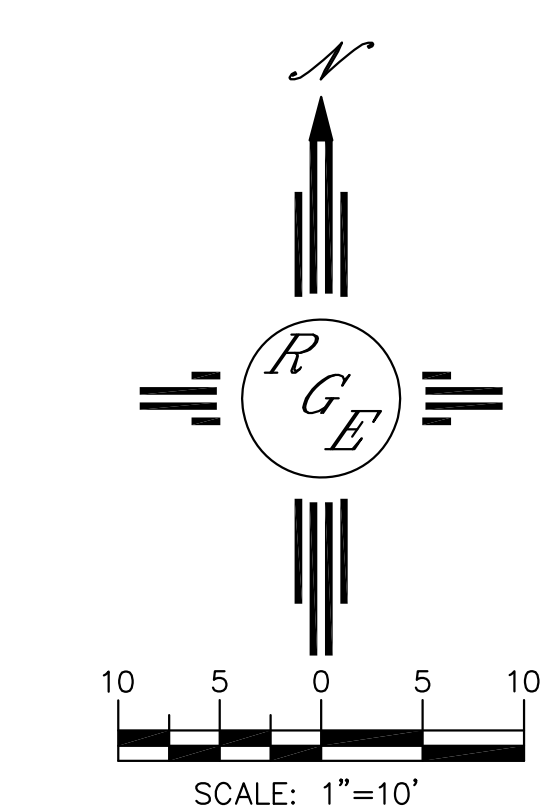
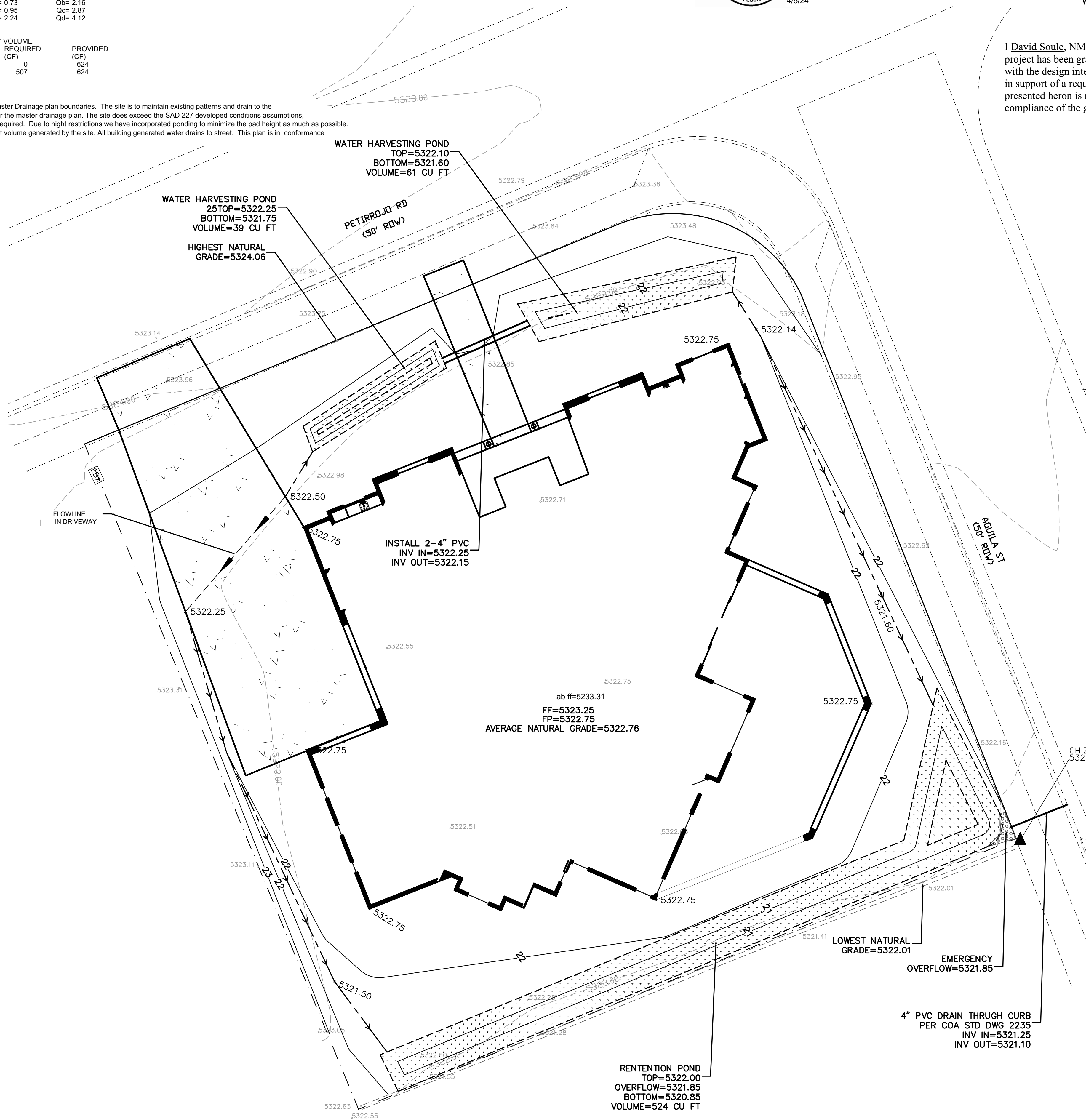
LEGAL DESCRIPTION:  
VOLCANO CLIFFS SUBDIVISION UNIT 18, LOT 3, BLOCK 2

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.

LEGEND

---XXXX---	EXISTING CONTOUR
---XXXX---	EXISTING INDEX CONTOUR
---XXXX---	PROPOSED CONTOUR
---XXXX---	PROPOSED INDEX CONTOUR
• XXXX	EXISTING SPOT ELEVATION
• XXXX	PROPOSED SPOT ELEVATION
----	BOUNDARY
	PROPOSED RETAINING WALL
=====	EXISTING CURB AND GUTTER
----->	PROPOSED EARTHEN SWALE
[Hatched Box]	PROPOSED CONCRETE
[Dotted Box]	PROPOSED PONDING
[Stippled Box]	PROPOSED GRAVEL



ENGINEER'S SEAL	6608 PETIROJO	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 2-20-24
		202400010-LANDUT-2-20-24
	Rio Grande Engineering PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099	SHEET #
		JOB # 202400010