

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 27, 2025

David Soule
Rio Grande Engineering
PO Box 93924
Albuquerque NM, 87199

RE: **SAD 228 Volcano Cliffs Unit 18**
6601 Sujeto NW Lot 33 Block 6
Grading and Drainage Plan Date 4/26/2021 (D10D003M33)
CO Approval Date 12/18/2023
Revised G&D plan for pool Date: 5/27/2025

Mr. Soule,

Based upon the information provided in your submittal received 5/27/2025, this plan is approved for a revised Grading Permit for a pool, and will now be the plan of record.

PO Box 1293

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.

Albuquerque

Sincerely,

NM 87103

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

www.cabq.gov

RR/TC
C: File D10D003M33

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	22801.00	0.523	0%	0	20%	0.105	46%	0.2408	34%	0.178	1.259	0.055
PROPOSED	22801.00	0.523	0%	0	12%	0.063	25%	0.1309	63%	0.330	1.569	0.068
COMPARISON												0.014

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= 0.44
Ec= 0.67
Ed= 0.99
Qd= 1.97

ONSITE Conditions


FIRST FLUSH WATER QUALITY VOLUME
REQUIRED (CF)

PROVIDED (CF)
1035

WATER QUALITY
FLOOD CONTROL

Narrative

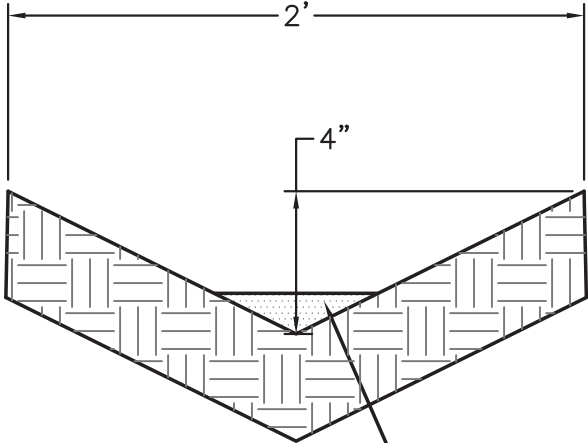
This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the street per the master drainag Plan. This site does exceed the allowed impervious area, therefore we must retain 589 cf This plan is in conformance to the master drainage plan

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 5/27/2025
BY: 
HydroTrans # D10D003M33

THE APPROVAL OF THESE PLANS REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM MAKING CORRECTIONS FOR ERRORS OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS, SUCH APPROVED PLANS AND REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION. THE APPROVAL OF THESE PLANS REPORTS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

EROSION CONTROL NOTES:

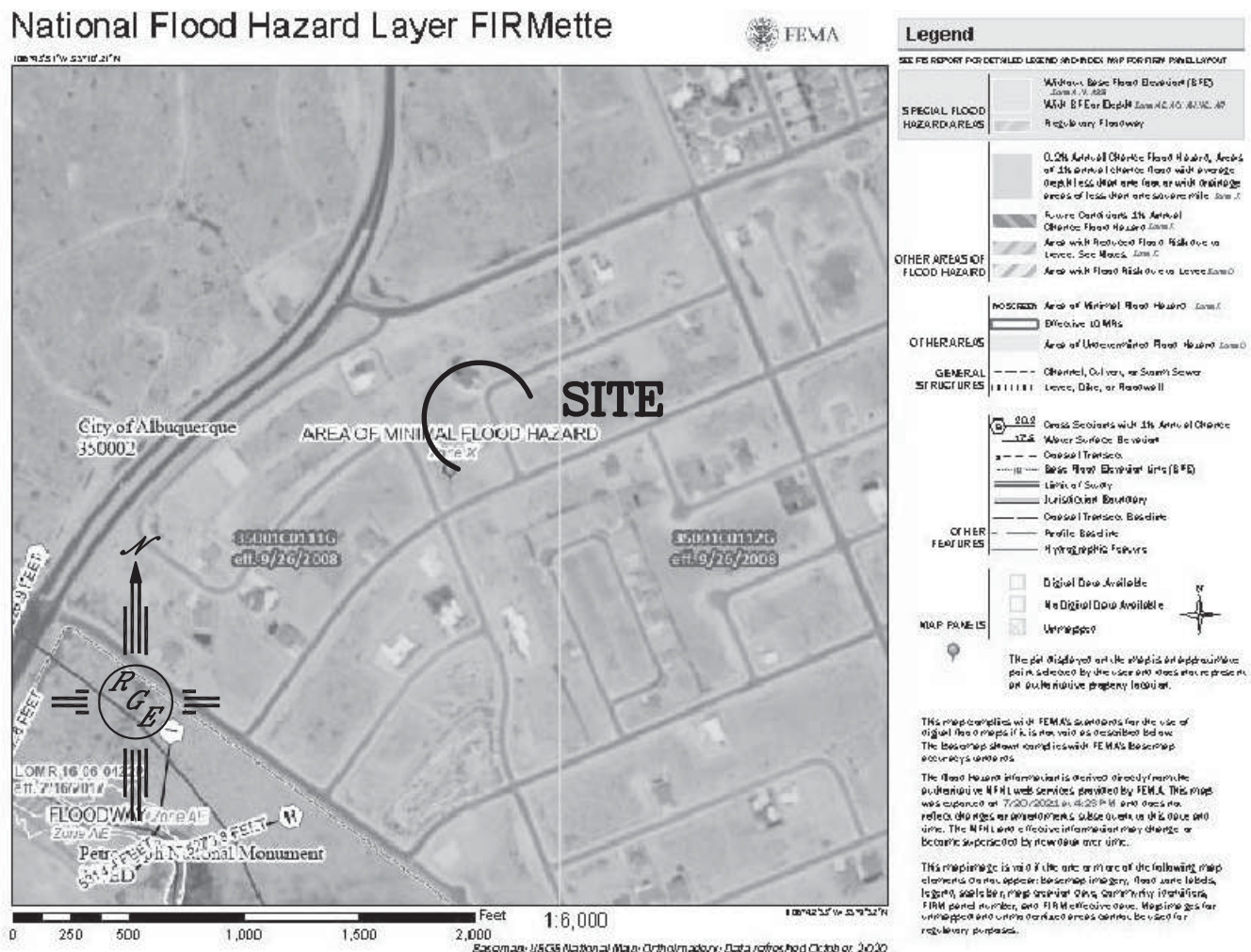
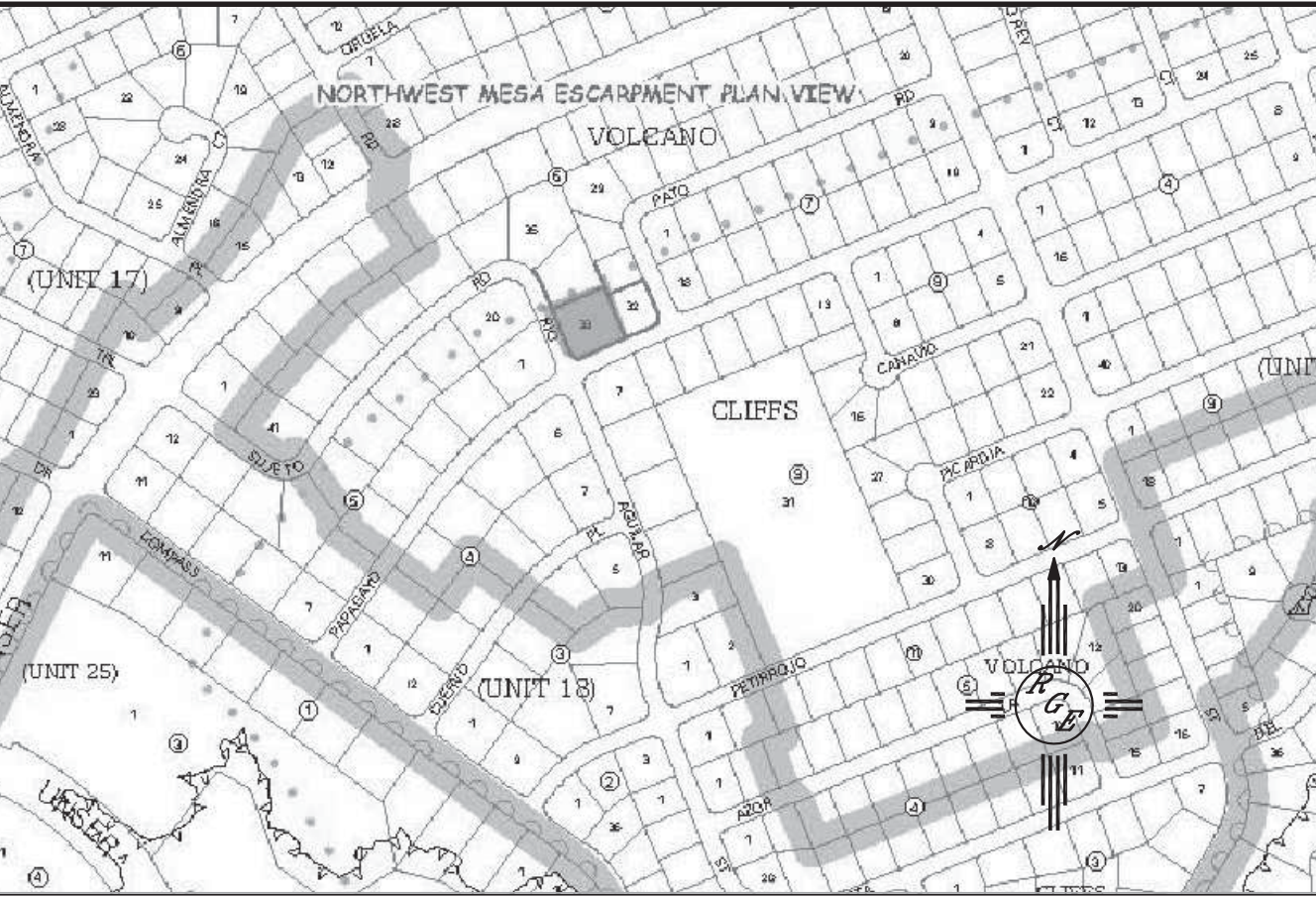
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES 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



ADDED ORIGINAL POOL BACK TO PLAN THAT WAS OMITTED AT INITIAL CONSTRUCTION



LEGAL DESCRIPTION:

Lot 33, Block 6, Volcano Cliffs Subdivision, Unit 18

NOTES:


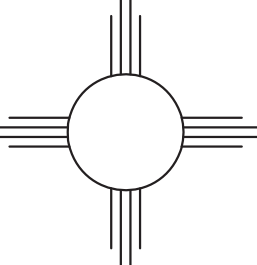
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.

LEGEND

- XXXX--- EXISTING CONTOUR
- XXXX--- EXISTING INDEX CONTOUR
- XXXX--- PROPOSED CONTOUR
- XXXX--- PROPOSED INDEX CONTOUR
- XXXX--- SLOPE TIE
- o 5301.00 EXISTING SPOT ELEVATION
- + 5300.00 PROPOSED SPOT ELEVATION
- LOT LINE
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED 4" PVC SD
- GRAVEL LINED SWALE
- === EXISTING CURB AND GUTTER
- /// PROPOSED RETAINING WALL DESIGN BY OTHERS

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.

ENGINEER'S SEAL  5/20/25 7/26/21 DAVID SOULE P.E. #14522	6601 SUJETO	DRAWN BY: WCWJ
	GRADING AND DRAINAGE PLAN	DATE: 7-21-21
 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0998		210210071-LAYOUT-7-21-21
		SHEET #
		JOB # 21021071