

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

August 11, 2025

Rio Grande Engineering  
PO Box 93924  
Albuquerque, New Mexico 87199

**RE: Lot 1 Block 4 Volcano Cliffs Unit 19 SAD 228  
6556 Azor Ln. NW  
Grading and Drainage Plan Date: 4/19/2024  
Rev. Engineers Stamp Date: 8/1/2025 (D10D003T6)  
Case #: HYDR-2025-00278**

Mr. Soule,

Based upon the information provided in your submittal received 8/11/2025, this plan is approved for a revised Grading Permit. **Dirt is not allowed to climb the curb, use crusher fines or lumber for this purpose.**

PO Box 1293

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

Albuquerque

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan.

NM 87103

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

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

www.cabq.gov

Sincerely,

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

RR/TC  
File D10D003T6

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	13094.00	0.301	0%	24%	40%	0.1202	1.362	0.034	0.041	
PROPOSED	13094.00	0.301	0%	22%	25%	0.0751	1.585	0.040	0.050	
COMPARISON							0.006		0.009	

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

Qa= 1.54  
Eb= 0.73  
Ec= 0.95  
Ed= 2.24

Qb= 2.16  
Qc= 2.87  
Qd= 4.12

ONSITE Conditions

FIRST FLUSH WATER QUALITY	VOLUME REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	242	428
FLOOD CONTROL	392	428

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 428 CF is required. Due to height 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 via an existing sidewalk culvert. This plan is in conformance to the master drainage plan.

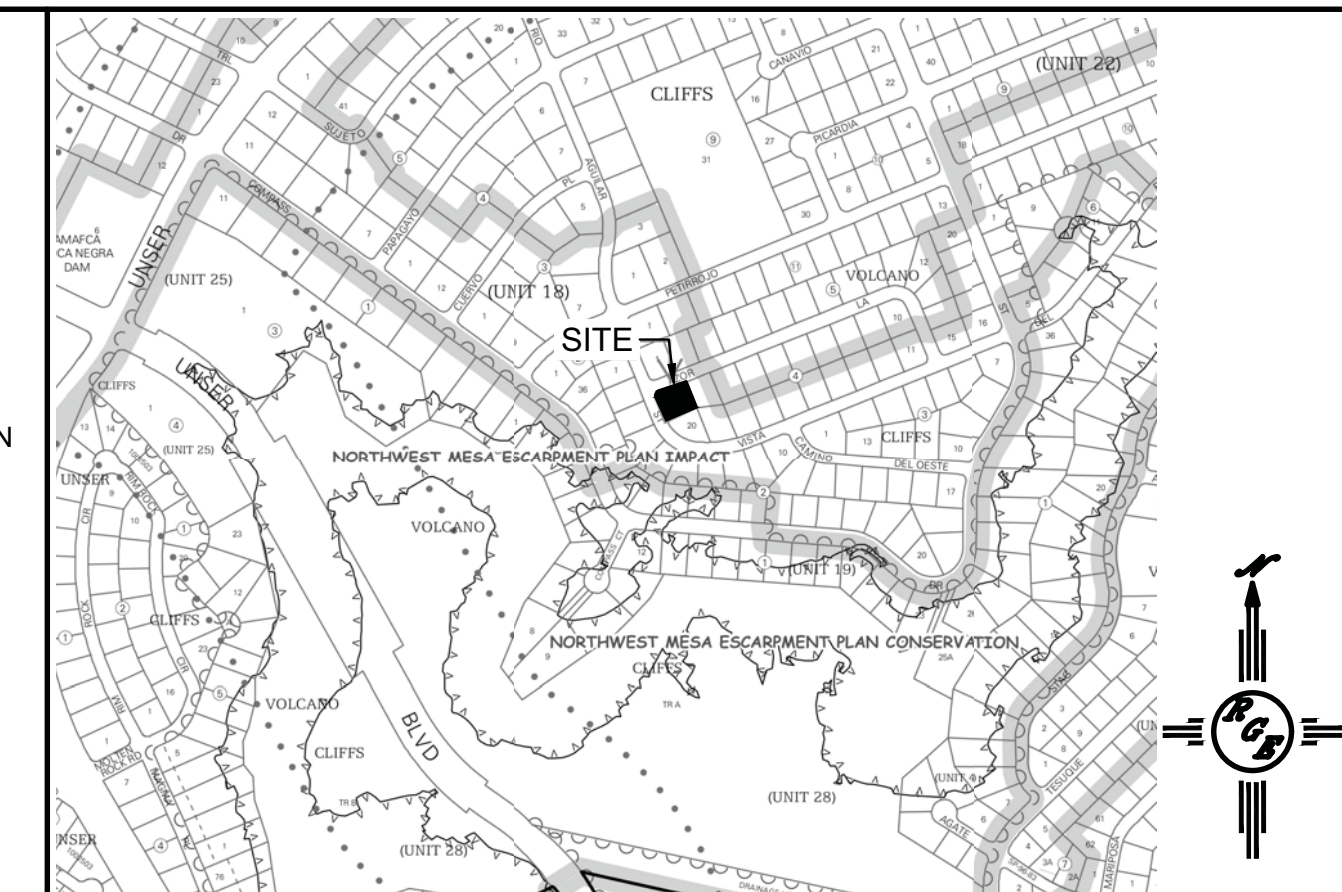
**City of Albuquerque  
Planning Department  
Development Review Services  
HYDROLOGY SECTION  
APPROVED**

DATE: 8/11/2025  
BY: *[Signature]*  
HydroTrans # D10D003T6

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATION OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM MAKING CORRECTIONS FOR ERRORS OR OMISSIONS TO PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS. SUCH APPROVED PLANS/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:**

- 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 ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: D-10-Z

National Flood Hazard Layer FIRMette

**FIRM MAP:**

**LEGAL DESCRIPTION:**  
LOT 1, BLOCK 4 VOLCANO CLIFFS SUBDIVISION UNIT 19  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

**NOTES:**  
CASE 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.  
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.  
4. SURVEY INFORMATION PROVIDED BY DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1988.  
5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

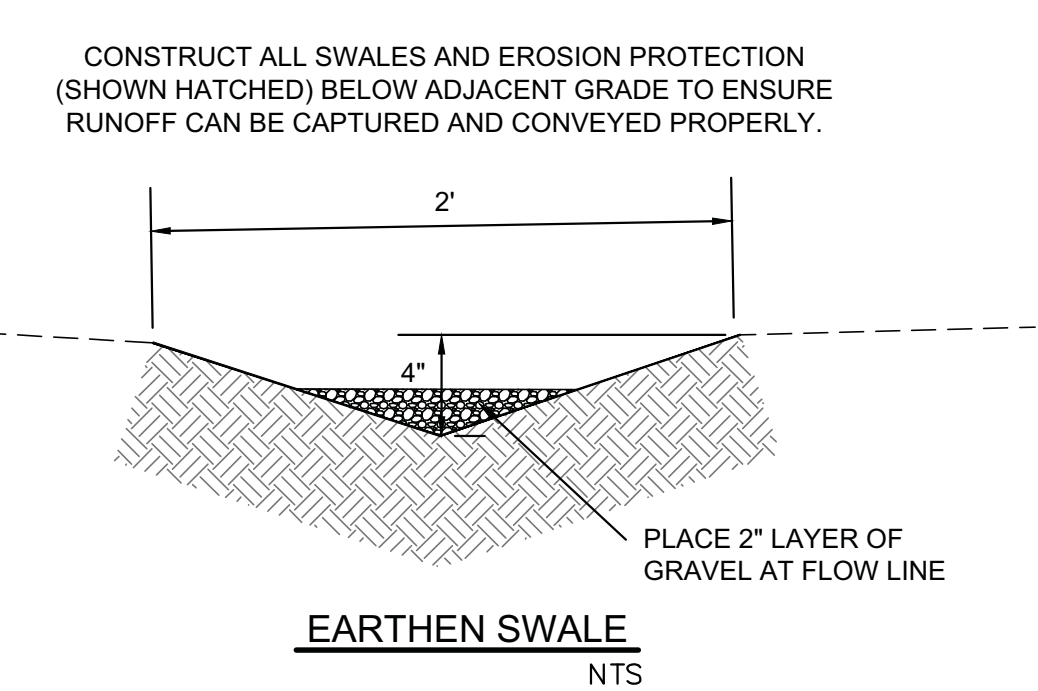
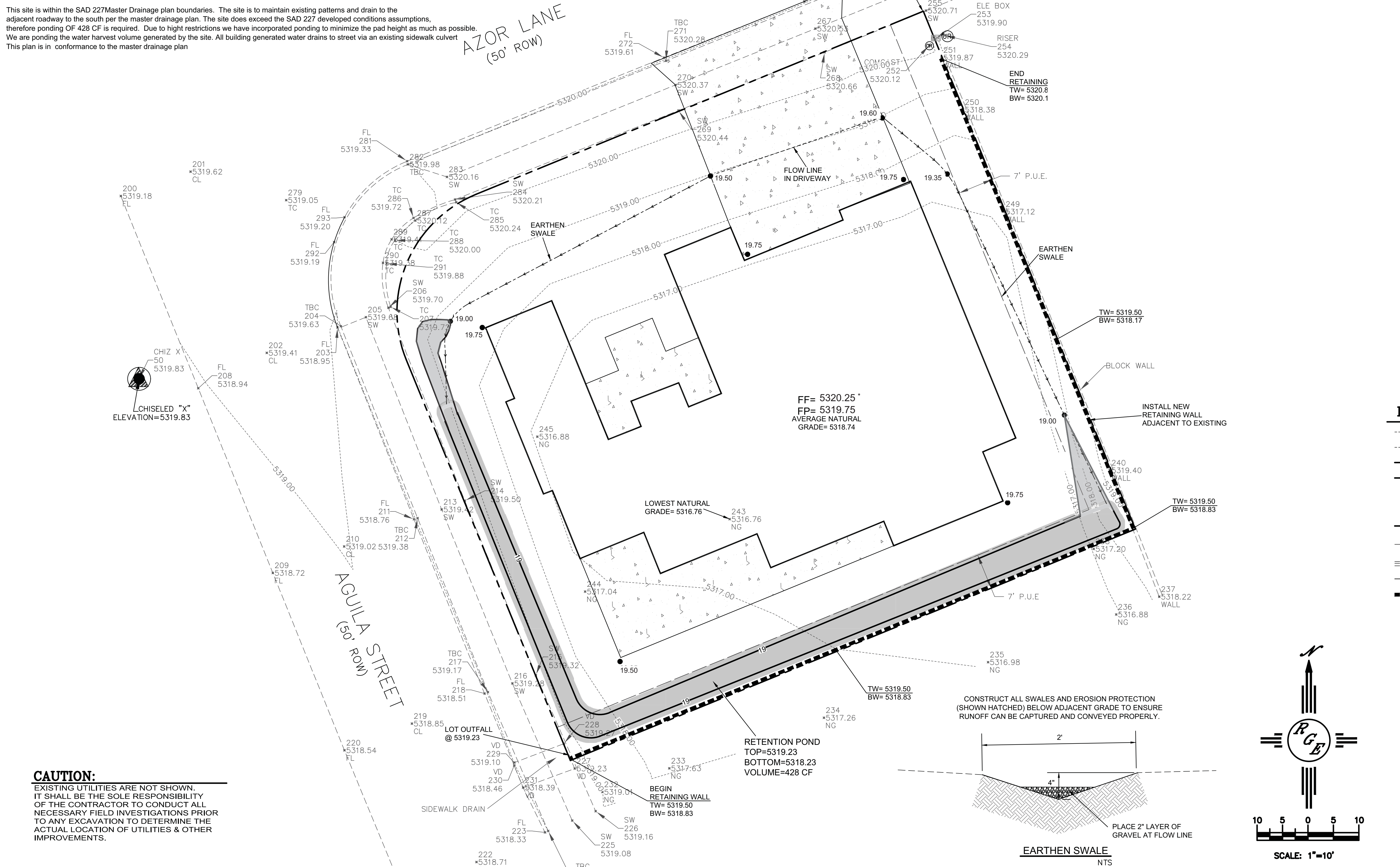
**LEGEND**

- XXXX----- EXISTING CONTOUR
- XXXX----- EXISTING INDEX CONTOUR
- XXXX----- PROPOSED CONTOUR
- XXXX----- PROPOSED INDEX CONTOUR
- +XXXX EXISTING SPOT ELEVATION
- XXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER
- PROPOSED EARTHEN SWALE
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE
- PROPOSED PONDING

\* PAD LOWERED 6" AT REQUEST OF CITY PLANNING DEPARTMENT AND OWNER TO ADDRESS HEIGHT RESTRICTION

CHISELED "X"  
ELEVATION=5319.83

**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.



SCALE: 1"=10'

ENGINEER'S SEAL	<b>LOT 1 BLK 4 U 19 VC 6556 AZOR LANE</b>  <b>GRADING AND DRAINAGE PLAN</b>	DRAWN BY DEM
 DAVID SOULE P.E. #14522		DATE 4-18-24
	 Rio Grande Engineering ALBUQUERQUE, NM 87199 (505) 321-8099	6556 Azor Ln. DWG
		SHEET # C1
		JOB #