

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

April 02, 2025

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

RE: **Lot 4 Block 3 Unit 22 SAD 228**
6324 Camino Alto NW
Grading and Drainage Plan with Pool
Engineers Stamp Date: 02/20/2025
HydroTrans No.: D10D003R4
ABQ-Plan No.: HYDR-2025-00051

Mr. Soule,

Based upon the information provided in your submittal received 03/20/2025, the Grading & Drainage Plan is approved for Building Permit and Grading Permit, including the proposed swimming pool. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PRIOR TO CERTIFICATE OF OCCUPANCY:

1. Engineer's Certification, per DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
2. Please provide a Drainage Covenant with Exhibit A for the stormwater quality ponds per Article 6-15(C) of the DPM prior to Permanent Release of Occupancy. Submit the original copies along with the **\$25.00** recording fee check made payable to Bernalillo County to the Hydrology Section of Development Review Services on the Ground floor of Plaza de Sol.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3362 or richardmartinez@cabq.gov.

Sincerely,

Richard Martinez, P.E.
Senior Engineer, Hydrology
Planning Department

Weighted E Method

Basin	100-Year, 6-hr.				24 hour	
	Area (sf)	Area (acres)	Treatment A (% (acres))	Treatment C (% (acres))	Volume (ac-ft)	Volume (ac-ft)
ALLOWED	13495.00	0.310	0%	0%	0.98	0.039
PROPOSED	13495.00	0.310	46% 0.1425	23% 0.0713	0.035	1.04
COMPARISON			0%	53% 0.164	0.041	0.047
					1.04	0.008

Equations:

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

Volume = Weighted E * Total Area

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

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

Ea= 0.55
Eb= 0.73
Ec= 0.95
Ed= 2.24

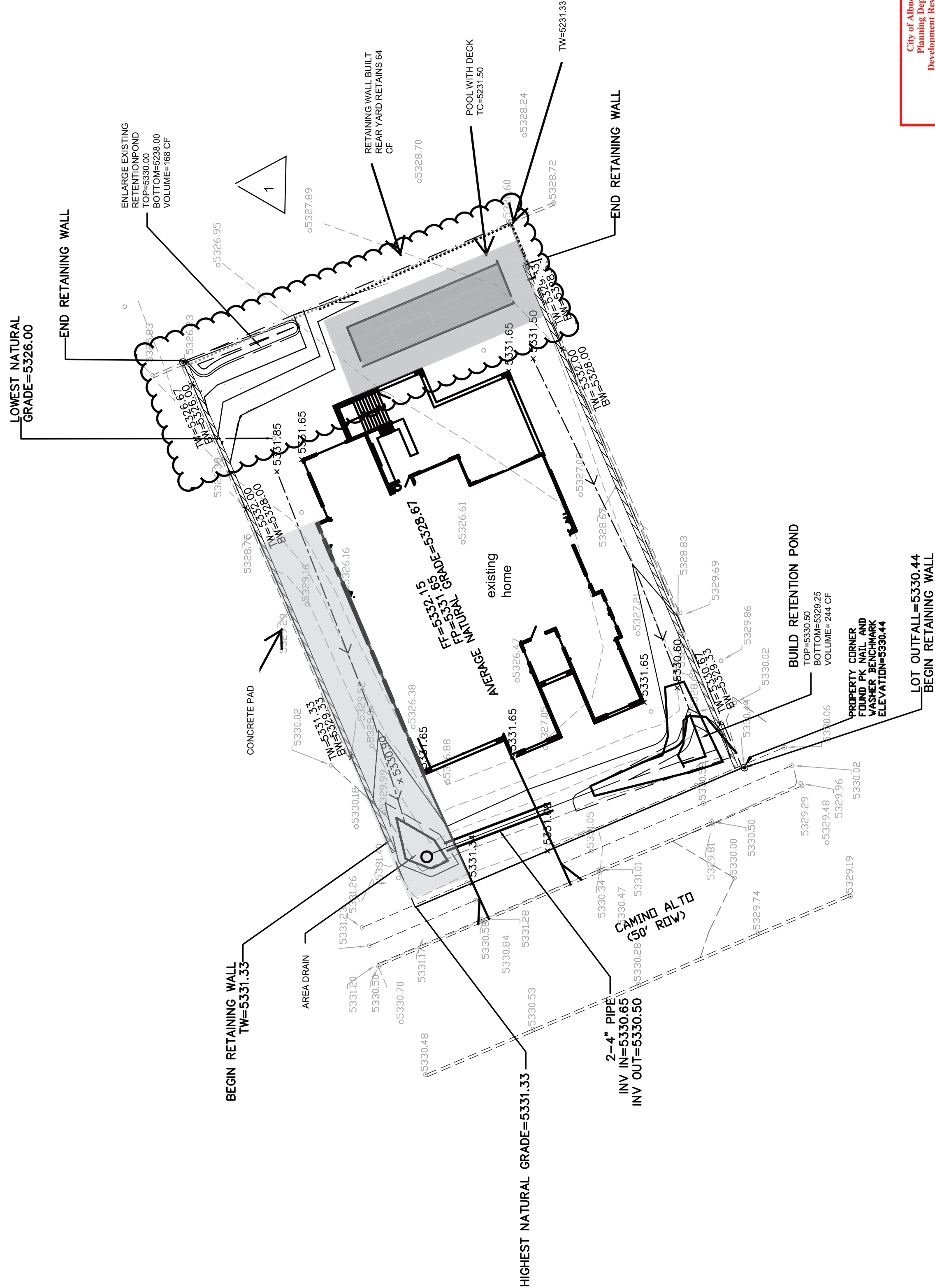
Qa= 1.54
Qb= 2.16
Qc= 2.87
Qd= 4.12

ONSITE Conditions		
FIRST FLUSH WATER QUALITY	VOLUME	PROVIDED
	(CF)	(CF)
WATER QUALITY	283	410
FLOOD CONTROL	364	410

Narrative

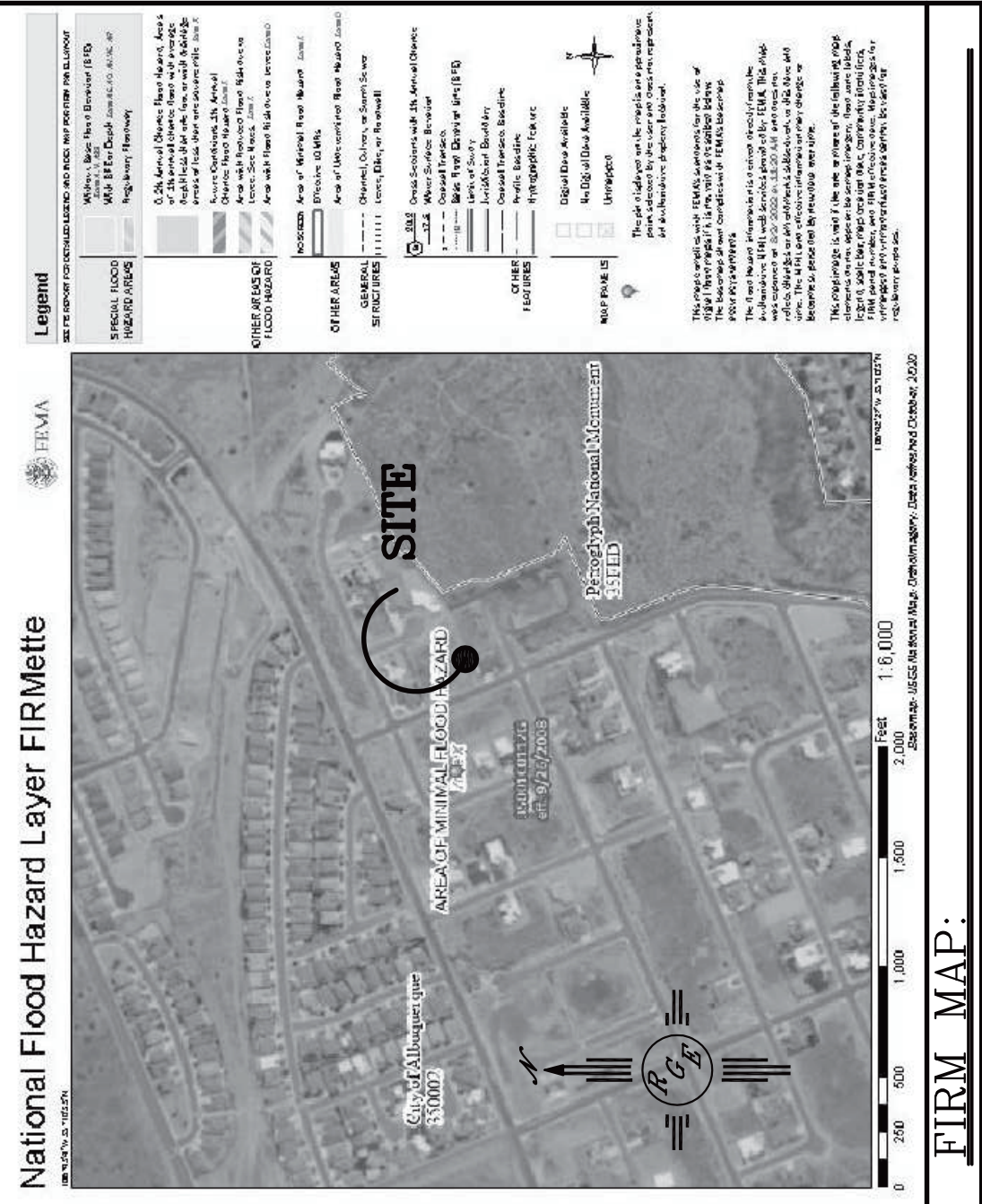
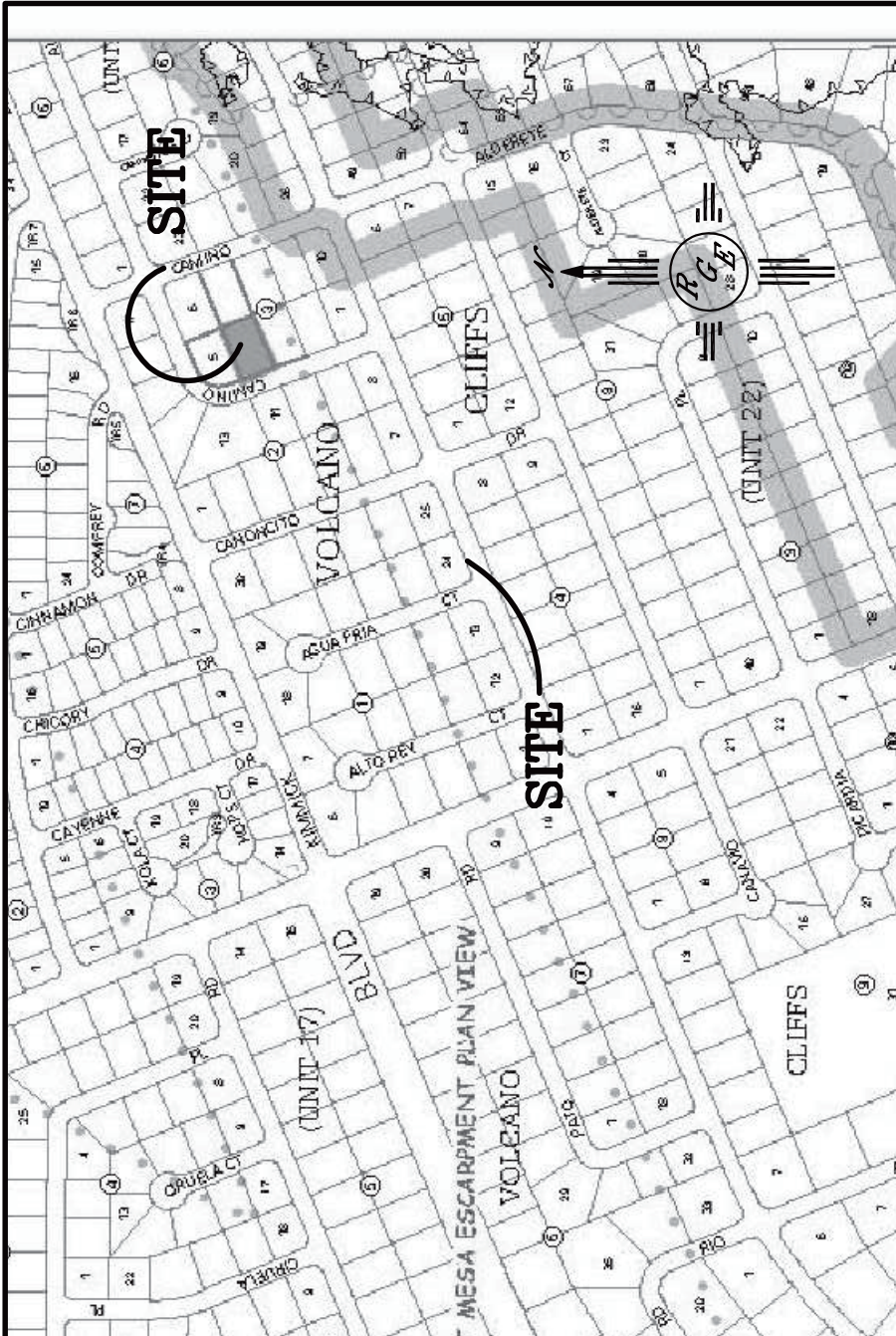
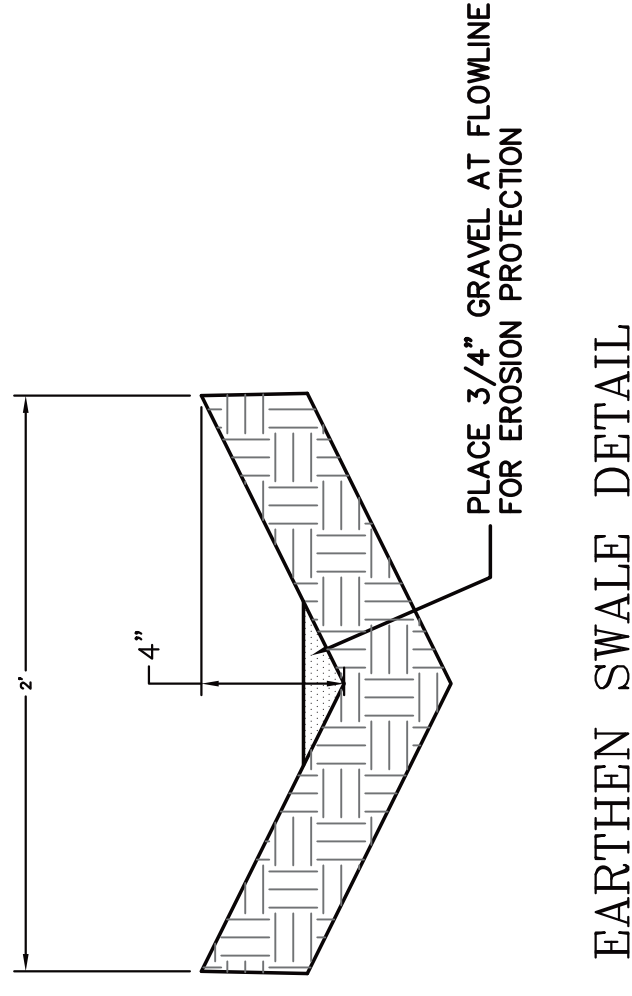
This site is within the SAD 228 Master Drainage plan boundaries. The site was initial constructed and certified. The purpose of this plan is to update the site to accommodate a new pool. The required volumes are provided by onsite ponds

This plan is in conformance to the master drainage plan



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.



LEGAL DESCRIPTION:

LOT 4, BLOCK 3, VOLCANO CLIFFS UNIT 22

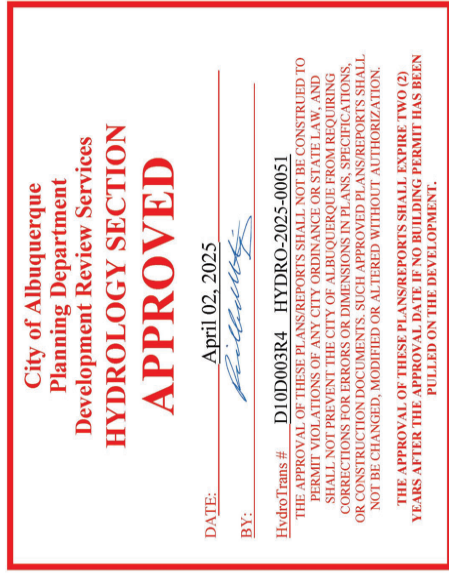
NOTES:

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.
3. NO PONDING WITHIN 10' OF STRUCTURE.
4. SURVEY INFORMATION PROVIDED BY CSI UTILIZING NAVD 1988 DATUM
5. A PAD ELEVATION CERTIFICATION IS REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT

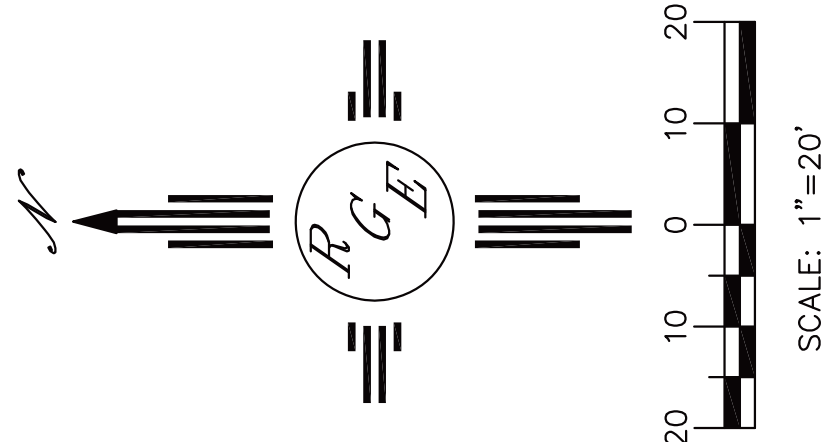
LEGEND

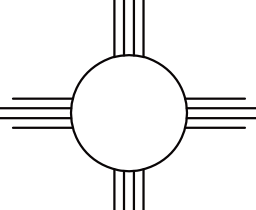
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- SLOPE TIE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- LOT LINE
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED 6" PVC SD
- GRAVEL LINED SWALE
- EXISTING CURB AND GUTTER
- PROPOSED CMU RETAINING WALL-DESIGN BY OTHERS

1 ADDED POOL, WITH DECK AND RETAINING WALL, ADJUSTED PONDING TO ACCOMMODATE



CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



ENGINEER'S SEAL	6324 CAMINO ALTO	DRAWN BY: WCMJ
		DATE: 8-04-22
		20220055-LA001-7-27-22
22/025	GRADING AND DRAINAGE PLAN	SHEET #
		—
		20220055
DAVID SOULE P.E. #14522	 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ANCHORAGE, ALASKA 99516 (907) 872-0888	JOB #
		20220055