

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

August 4, 2025

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

**RE: 7524 Bear Canyon Rd NE
Grading & Drainage Plan
Engineer's Stamp Date: 7/30/25
Hydrology File: E19D034
Case # HYDR-2025-00269**

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/04/2025, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. 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 the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

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 505-924-3314 or amontoya@cabq.gov.

Sincerely,

Anthony Montoya, Jr., P.E., CFM
Senior Engineer, Hydrology
Planning Department, Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Weighted E Method

Existing Developed Basins											100-Year, 6-hr.		10-day	
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		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
CURRENT	11338	0.260	0%	19.0%	0.049	27.0%	0.07028	54%	0.141	1.851	0.040	0.98		0.059
PROPOSED	11338	0.260	0%	17.0%	0.044	26.0%	0.06767	57%	0.148	1.900	0.041	0.99		0.061
COMPARISON				0.000		0.005		0.003		-0.008		0.001	0.014	0.002

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 3)

Ea= 0.67
Eb= 0.86
Ec= 3.17
Ed= 2.58

Qa= 1.84
Qb= 2.49
Qc= 3.17
Qd= 4.49

Pond volume required
to reduce to below master plan assumption

Pond volume provided

91.87 cf
92 cf

Narrative

The subject property is located within the boundaries of and olders subdivision. There is no drainage file for the propret. All sites currently free discharge. The scope of this project is the cor of an addition. The drainage solution will be to intal area drain to allow yard to drain and provide storage of the increase in storm water generated. This site is not impacted by upland flow overflows to the historical location

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.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

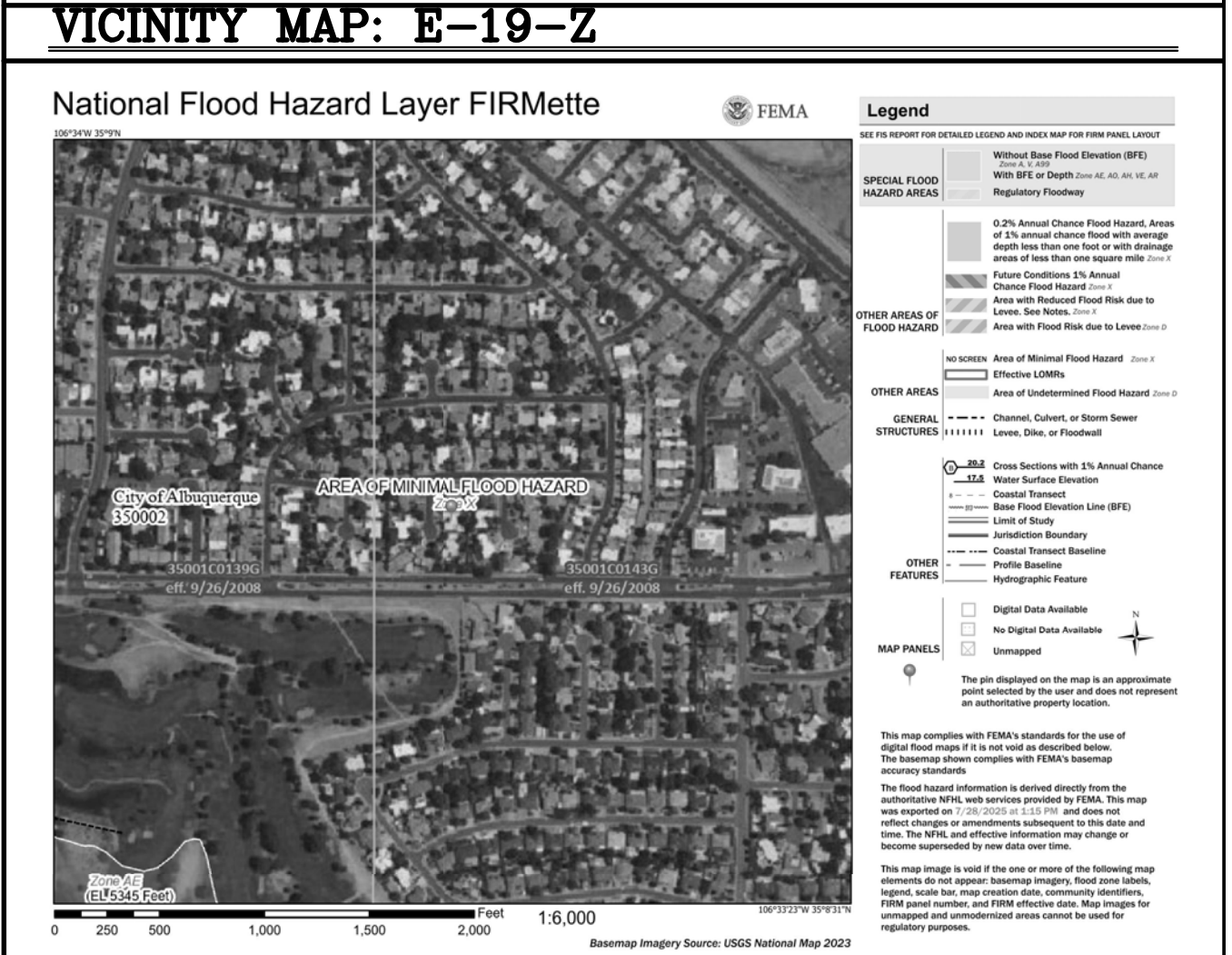
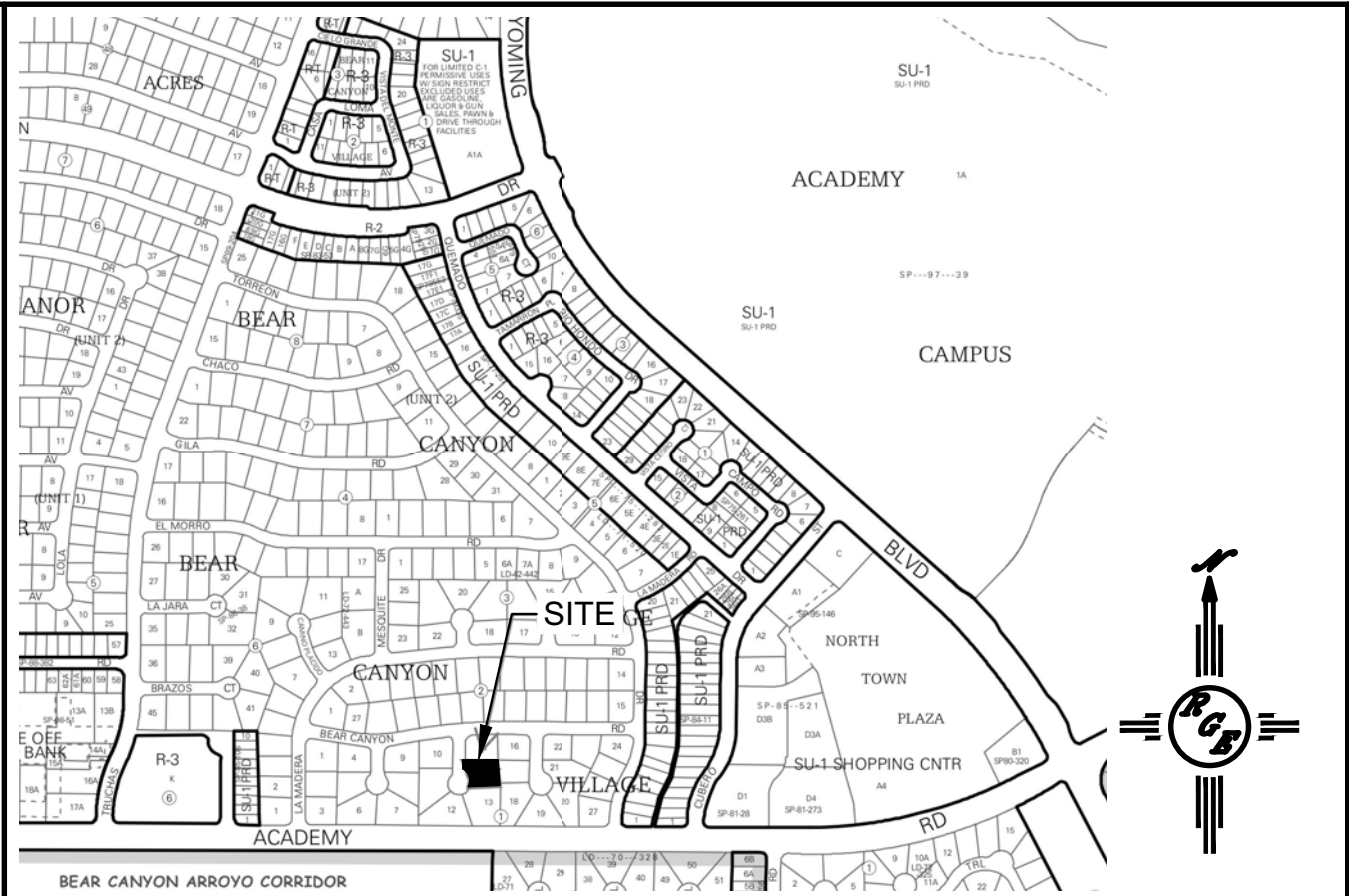
DATE: 8-4-2025

BY: *David Soule*

HydroTrans # E19D034

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 ENFORCING, CORRECTIONS FOR ERRORS OR DIMENSIONS IN 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 FILED ON THE DEVELOPMENT.



FIRM MAP:

LEGAL DESCRIPTION:

LOT 14, BLOCK 1 BEAR CANYON VILLAGE
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED

LEGEND

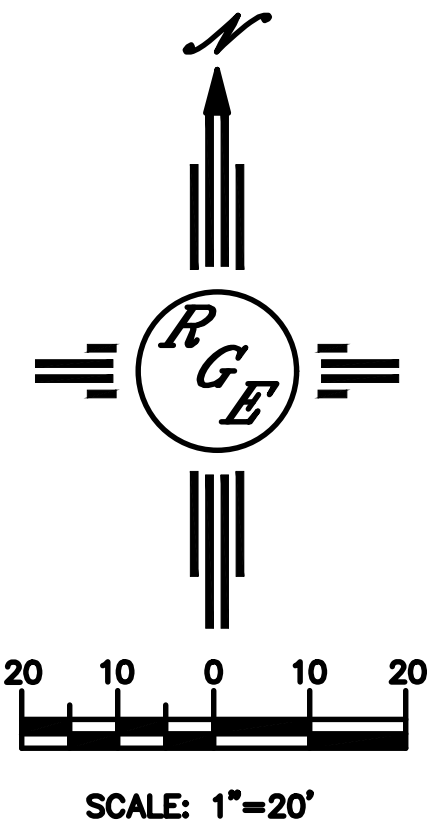
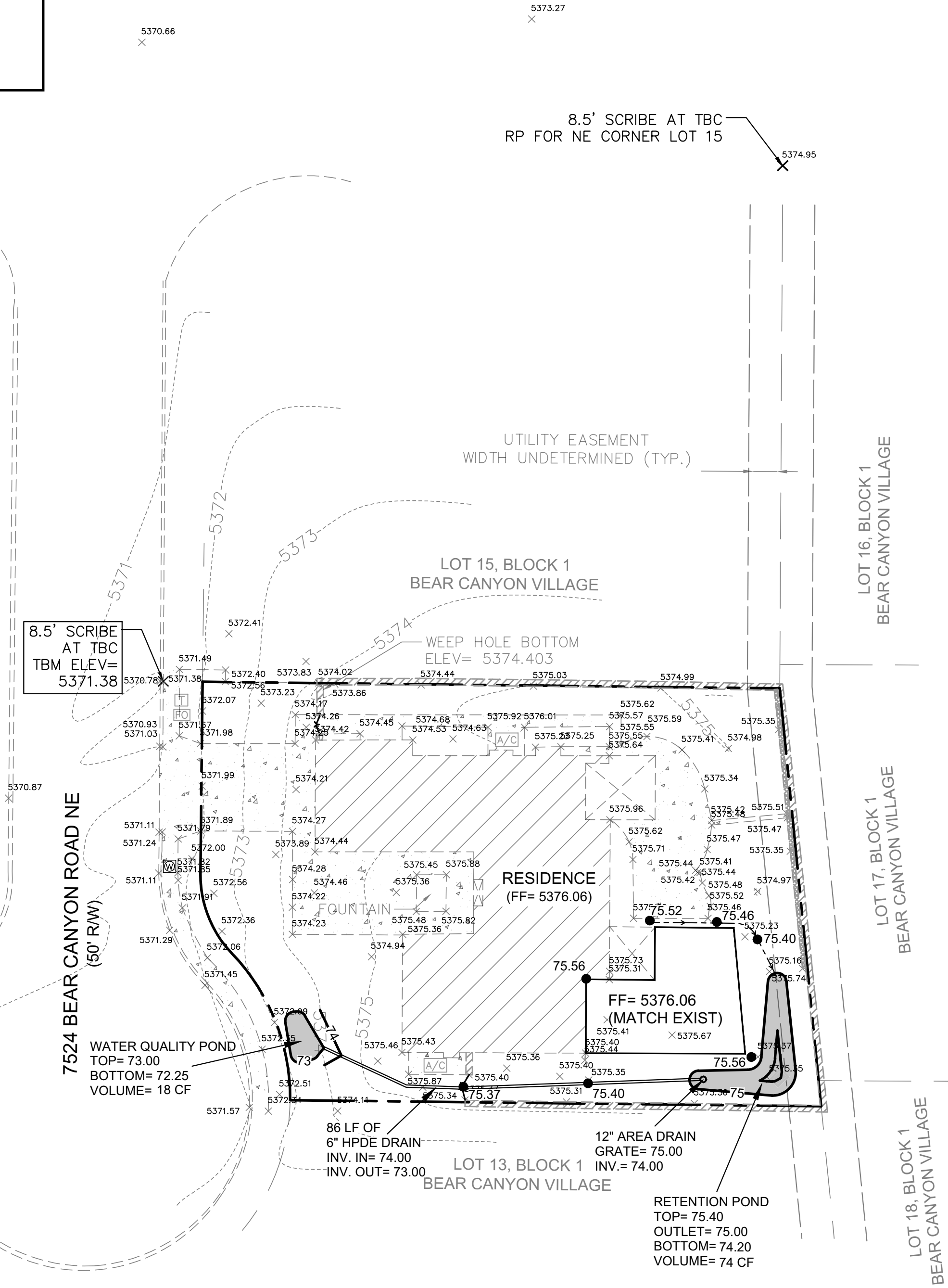
- XXXX ----- EXISTING CONTOUR
- XXXX ----- EXISTING INDEX CONTOUR
- XXXX ----- PROPOSED CONTOUR
- XXXX ----- PROPOSED INDEX CONTOUR
- XXXX EXISTING SPOT ELEVATION
- XXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER
- ===== PROPOSED HPDE DRAIN
- ===== PROPOSED PONDING


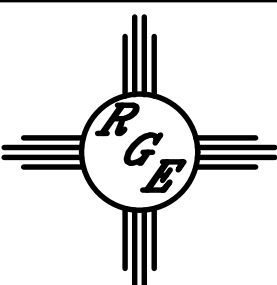
CAUTION:

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.

8.5' SCRIBE AT TBC
RP FOR NE CORNER LOT 15

5374.95



<div>ENGINEER'S SEAL</div> <div></div> <div>7/30/25</div> <div>DAVID SOULE P.E. #14522</div>	LOT 14 BLK 1 BEAR CANYON VILLAGE 7525 BEAR CANYON		DRAWN BY DEM
	GRADING AND DRAINAGE PLAN		DATE 7-29-25
	<div></div> <div>Rio Grande Engineering</div> <div>PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-8099</div>		7524 Bear Canyon.dwg
			SHEET # C1
			JOB # <div></div>