

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

April 17, 2025

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

**RE: 1830 Bridge SW  
Grading and Drainage Plan  
Engineer's Stamp Date: 4/8/25  
Hydrology File: L12D023  
Case # HYDR-2025-00120**

Dear Mr. Soule:

Based upon the information provided in your submittal received 4/8/2025, the Grading 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](mailto:jhughes@cabq.gov), 505-924-3420) 14 days prior to any earth disturbance.

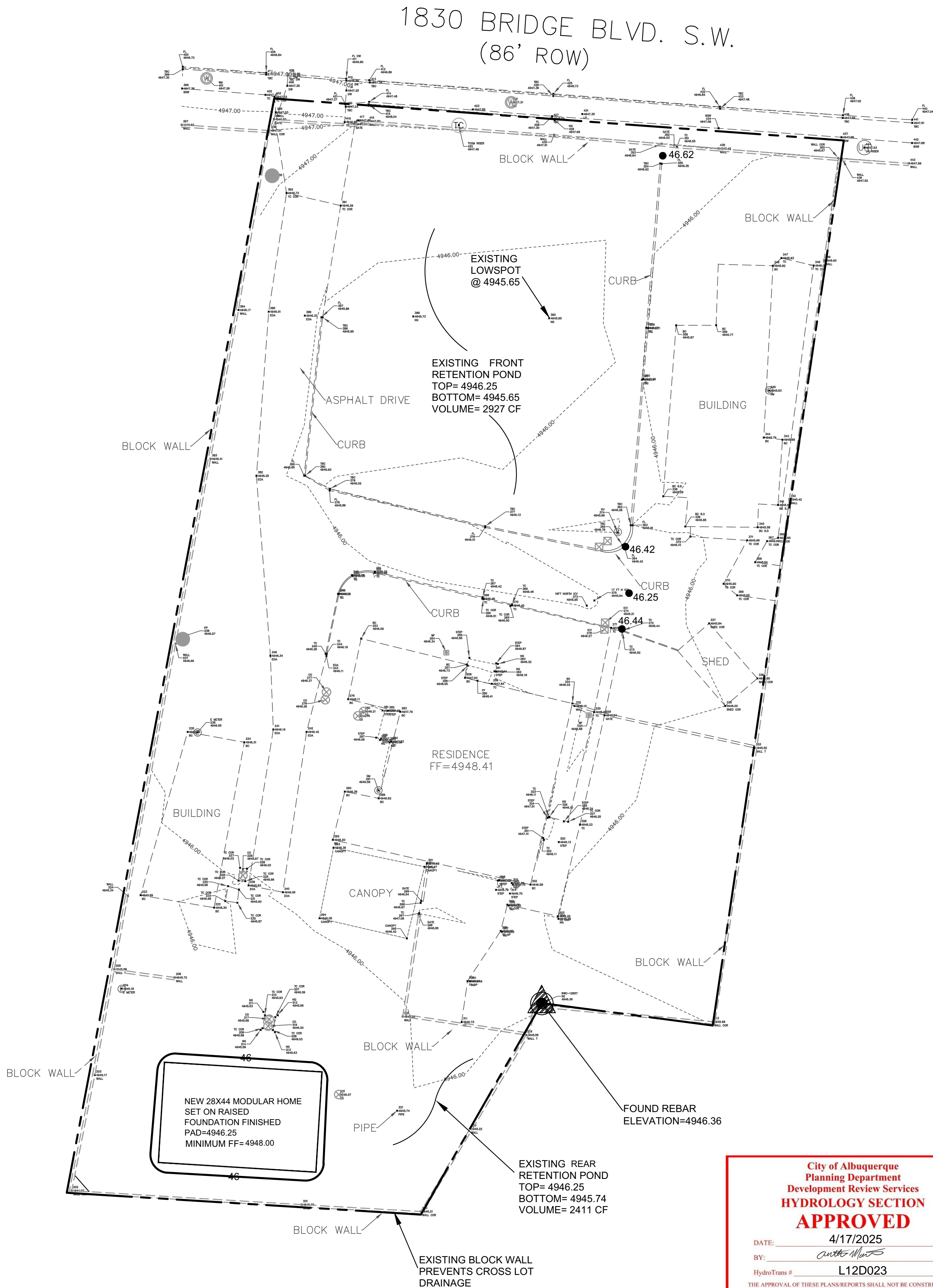
If you have any questions, please contact me at 505-924-3314 or [amontoya@cabq.gov](mailto:amontoya@cabq.gov).

Sincerely,

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



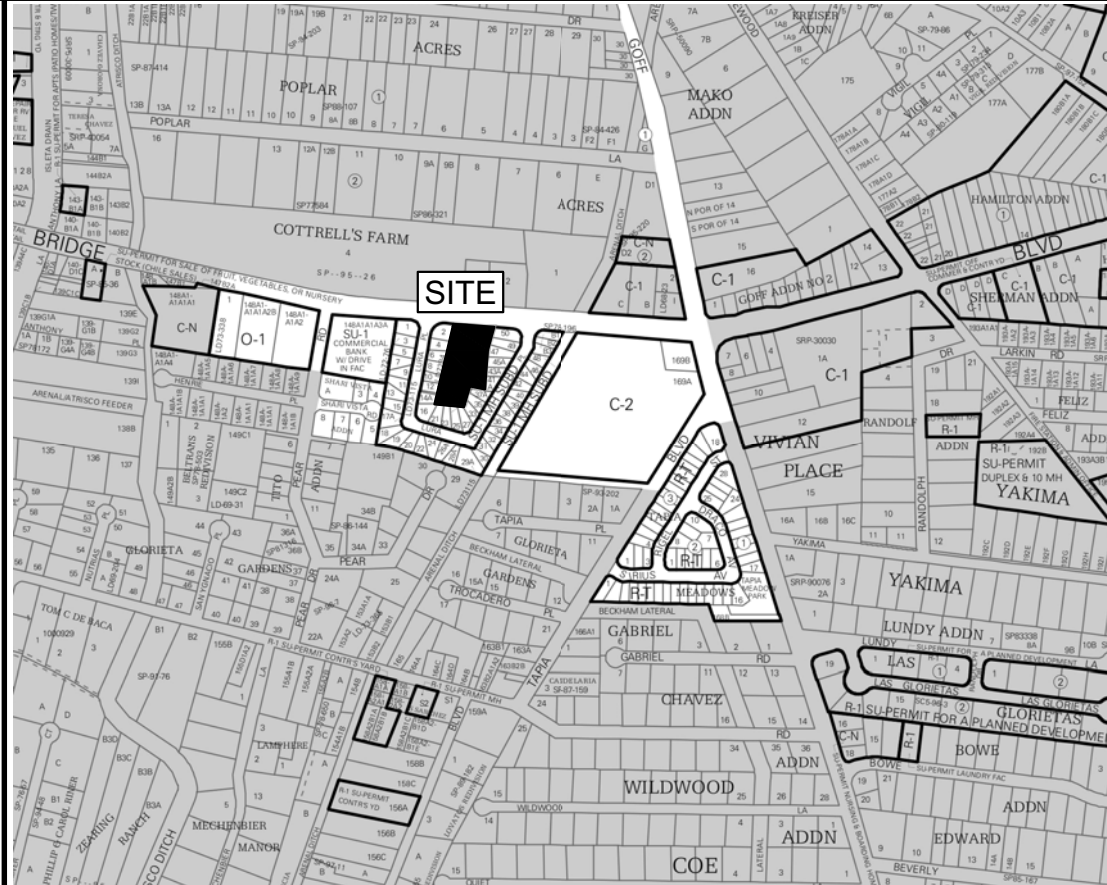
Weighted E Method														
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr.		100 yr 24-HOUR Volume (ac-ft)	
			%	(ac-ft)	%	(ac-ft)	%	(ac-ft)	%	(ac-ft)	Weighted E (ac-ft)	Flow cfs		
HISTORICAL	47522.00	1.091	0%	0	25%	0.273	43%	0.469	32%	0.349	1.308	0.119	3.37	0.142
PROPOSED	47522.00	1.091	0%	0	25%	0.273	43%	0.469	32%	0.349	1.308	0.119	3.37	0.142
Equations:														
Weighted E = Ea* <i>A</i> a + Eb* <i>A</i> b + Ec* <i>A</i> c + Ed* <i>A</i> d / (Total Area)														
Volume = Weighted D * Total Area														
Flow = Qa * <i>A</i> a + Qb * <i>A</i> b + Qc * <i>A</i> c + Qd * <i>A</i> d														
Where for 100-year, 6-hour storm(zone1)														
Ea= 0.55			Qa= 1.54											
Eb= 0.73			Qb= 2.16											
Ec= 0.95			Qc= 2.87											
Ed= 2.24			Qd= 4.12											
Developed Conditions														
DISCHARGE PROPOSED			3.37	CFS	TOTAL VOLUME		GENERATED		RETAINED					
EXISTING DISCHARGE			3.37	CFS			6193 CF		0					
DIFFERENCE			0.00	CFS			0.00 CF		5338 CF					
FIRST FLUSH=329 CF														
This site is an redevelopment of a previously developed lot. The existing modular house of same size was removed at some point in the past. There is no master drainage plan for this area, all lots currently free discharge. The drainage solution is to continue to retain the first flush volume and the 100-year, 6 hour volume allow the excess to continue to discharge to roadway. There will be no change to existing patterns or rates based upon comparison to historical before modular removed														



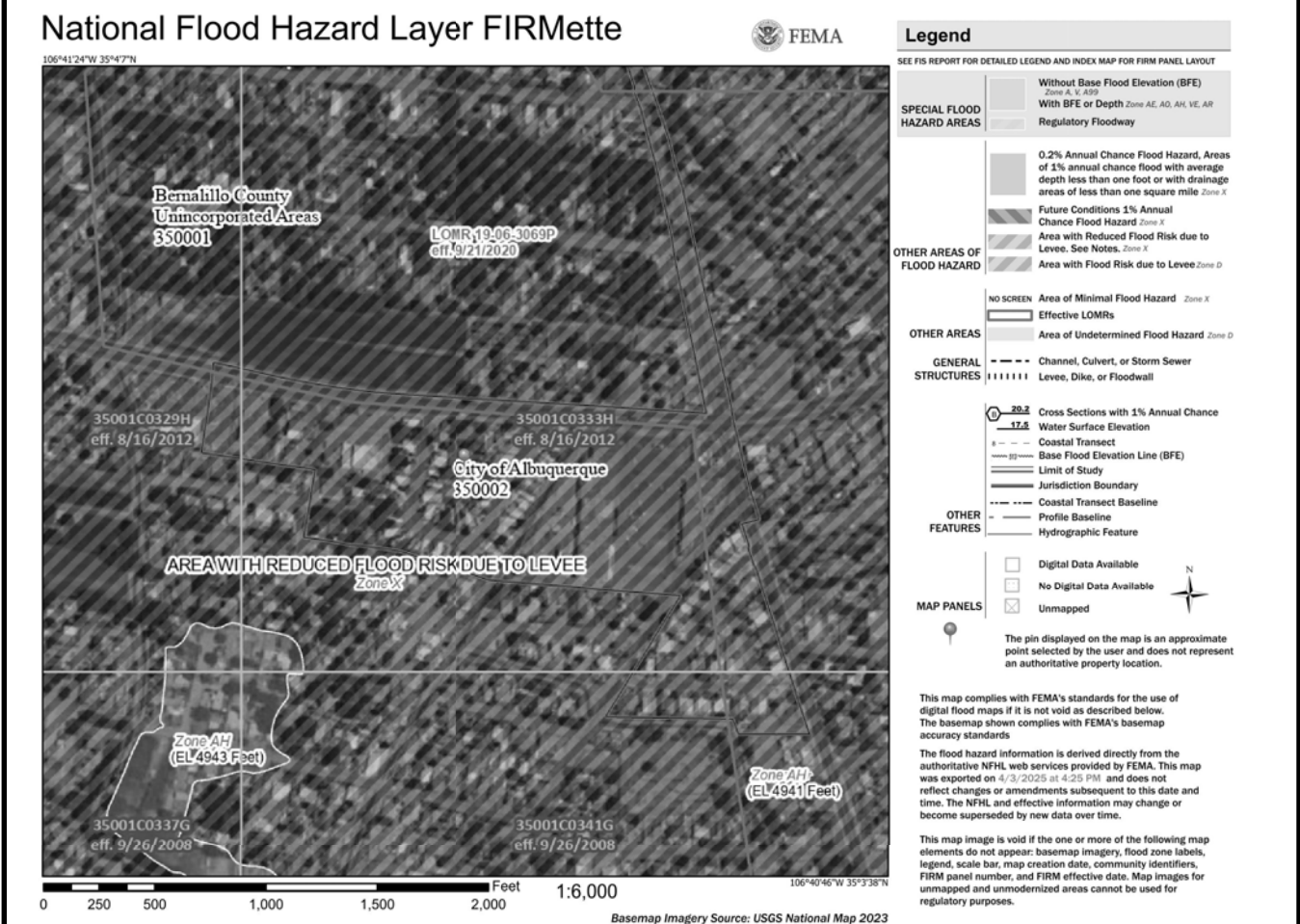
**CAUTION:**  
EXISTING UTILITIES ARE NOT SHOWN.  
IT SHALL BE THE SOLE RESPONSIBILITY  
OF THE CONTRACTOR TO CONDUCT ALL  
NECESSARY FIELD INVESTIGATIONS PRIOR  
TO ANY EXCAVATION TO DETERMINE THE  
ACTUAL LOCATION OF UTILITIES & OTHER  
IMPROVEMENTS.

## 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.



## VICINITY MAP: L-12-Z



## FIRM MAP:

## LEGAL DESCRIPTION:

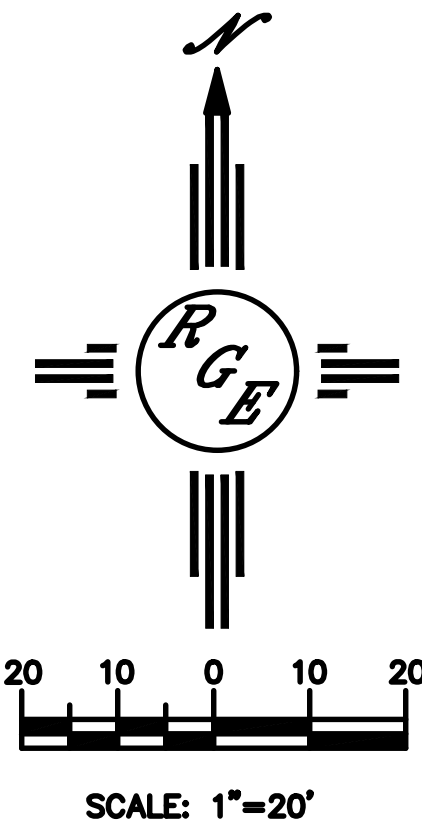
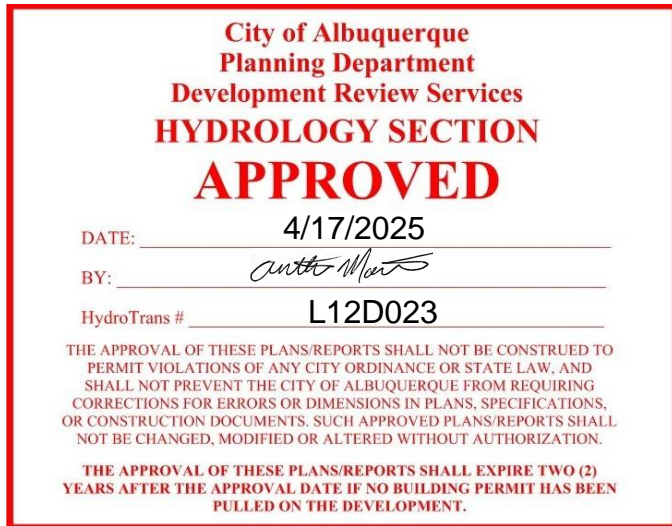
TRACT A SHARI VISTA MOBILE HOME ADDITION  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

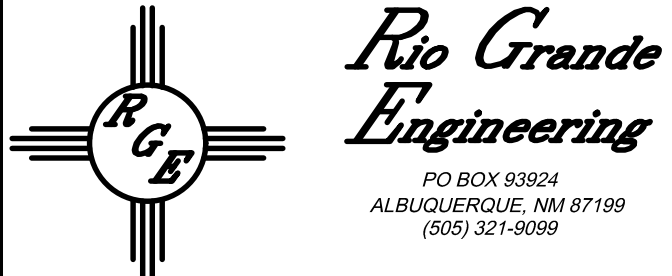
## NOTES:

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 DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC 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 EARTHEN SWALE



ENGINEER'S SEAL	TRACT A SHARI VISTA MOBILE HOME ADDITION 1830 BRIDGE BLVD SW		DRAWN BY DEM
	GRADING AND DRAINAGE PLAN		DATE 4-6-25
DAVID SOULE P.E. #14522			SHEET # C1
			JOB #