

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

January 2, 2024

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

**RE: 752 Menaul Blvd NW**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 12/19/23**  
**Hydrology File: H14D119**

Dear Mr. Soule:

Based upon the information provided in your submittal received 12/19/2023, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. **Since this site is relatively flat, a pad certification is not needed for this project.** 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.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department





Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr.			100 yr 24-HOUR			100 yr 10-DAY		
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)		Volume (ac-ft)		Volume (ac-ft)	
Historical	13574.00	0.312	100%	0.3116	0%	0.000	0%	0.000	0%	0.000	0.620	0.016	0.53	0.016		0.016		0.016	
PROPOSED	13574.00	0.312	20%	0.0623	21%	0.065	26%	0.081	33%	0.103	1.264	0.033	0.95	0.036		0.047			

**Equations:**

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

Volume = Weighted D \* Total Area

First flush requirement

127 cubic feet

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

Where for 100-year, 6-hour storm(zone2)

Ea= 0.62                      Qa= 1.71

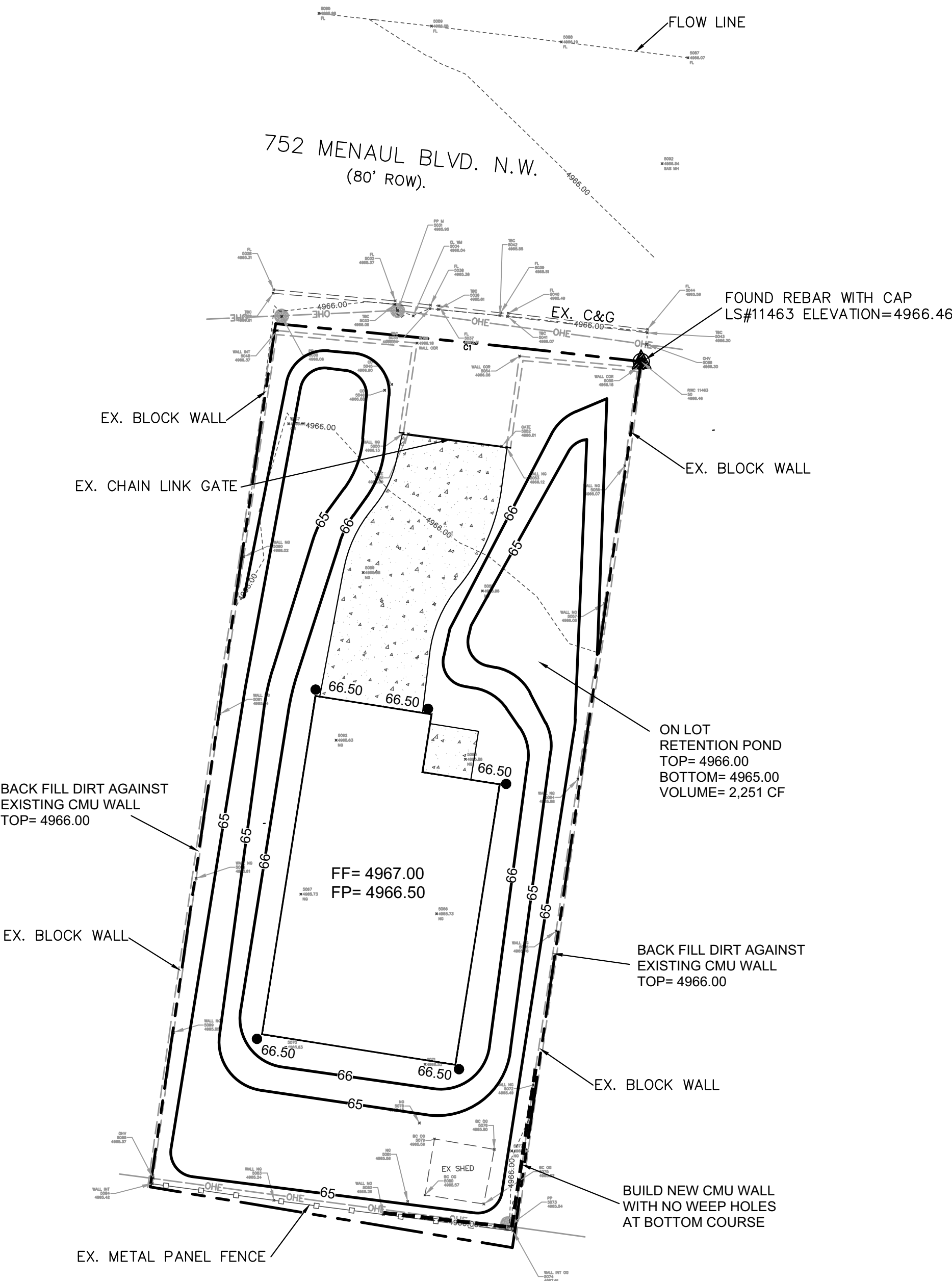
Eb= 0.73                      Qb= 2.36

Ec= 0.95                      Qc= 3.05

Ed= 2.24                      Qd= 4.34

Developed Condions	TOTAL VOLUME		
HISTORICAL DISCHARGE	701 CF		
PROPOSED GENERATION	24 HOUR	10 DAY	
PROPOSED PONDING	1582 CF	2053 CF	
	2251 CF	2251 CF	

This site is an development of a previously developed site (1959 aerial). The site will conform to the valley flat area drainage scheme. The site will retain the 100-year 10-day volume. The ponds will overflow to the adjacent street in the event of a storm exceeding the 100-year event. The surrounding are is flat, existing walls and proposed berms do on t allow offsite flows enter the site. The finished fflow is proposed to be 1' higher than the maximum water surface

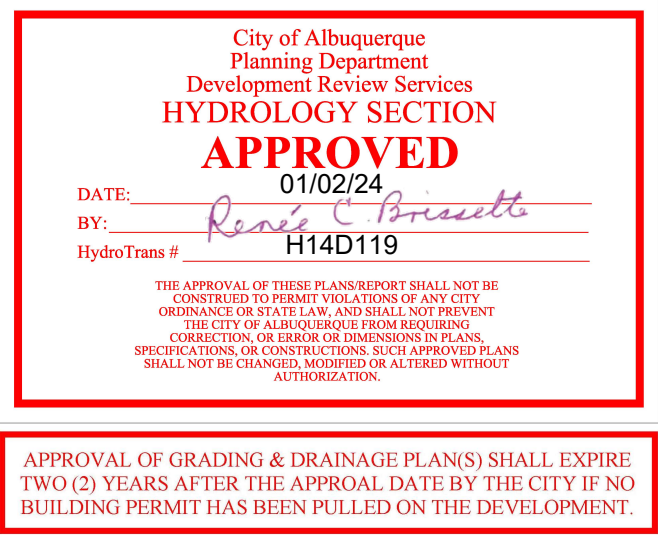


**CAUTION:**

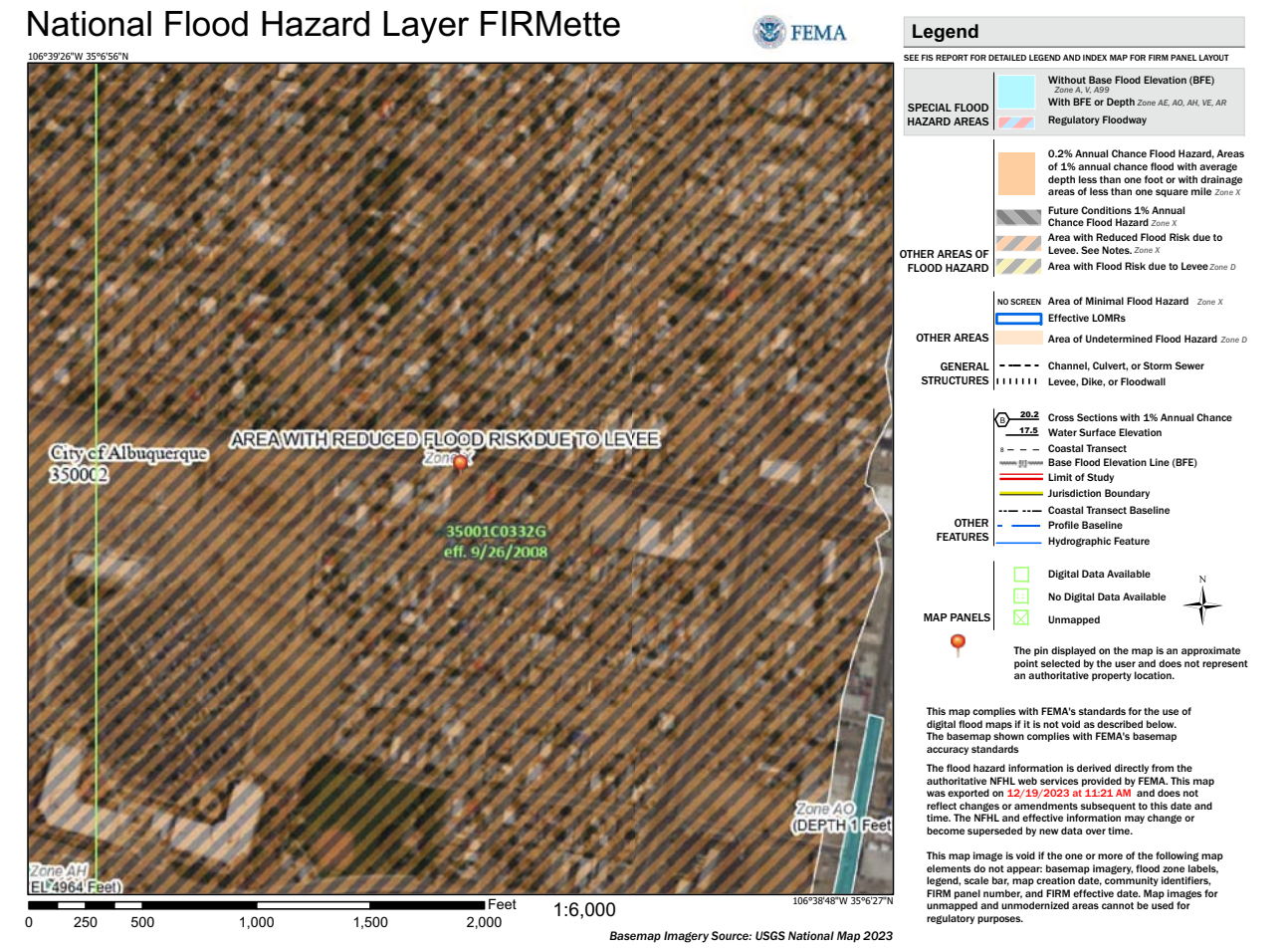
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

### EROSION CONTROL NOTES:

- 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: H-14-Z



### FIRM MAP:

### LEGAL DESCRIPTION:

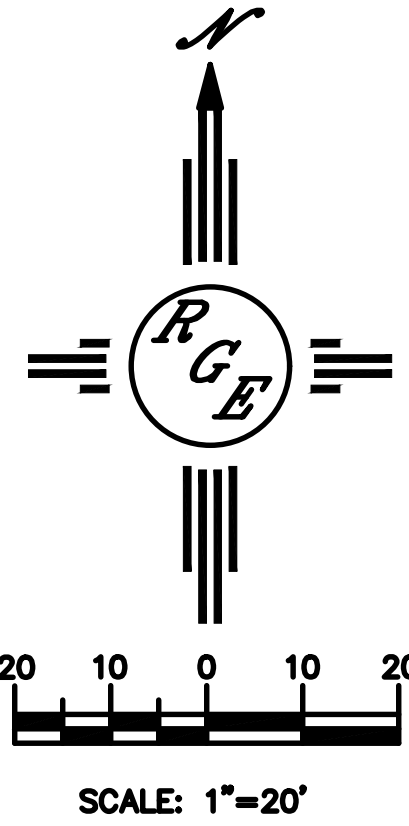
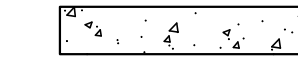
ELY. 75' LOT 2 FIELDON ADDITION  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

### NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- 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 RETAINING WALL
-----	PROPOSED CONCRETE



ENGINEER'S SEAL	752 MENAUL BLVD GRADING AND DRAINAGE PLAN	DRAWN BY DEM
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522		DATE 12-16-23
12/19/23	 Rio Grande Engineering P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	752 Menaul Blvd.DWG
DAVID SOULE P.E. #14522		SHEET # C1
		JOB #