

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

October 11, 2024

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

**RE: 11715 Menaul NE**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 10/1/24**  
**Hydrology File: H22D075**

Dear Mr. Soule:

Based upon the information provided in your submittal received 10/01/2024, 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.

PO Box 1293

**PRIOR TO CERTIFICATE OF OCCUPANCY:**

Albuquerque

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

NM 87103

2. Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for **\$25.00** made out to "**Bernalillo County**" for the stormwater quality ponds per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol.

www.cabq.gov

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 (Dough 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 924-3314 or [amontoya@cabq.gov](mailto:amontoya@cabq.gov).

Sincerely,

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



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: \_\_\_\_\_ Hydrology File # \_\_\_\_\_

Legal Description: \_\_\_\_\_

City Address, UPC, OR Parcel: \_\_\_\_\_

Applicant/Agent: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Applicant/Owner: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

(Please note that a DFT SITE is one that needs Site Plan Approval & ADMIN SITE is one that does not need it.)

**TYPE OF DEVELOPMENT:** PLAT (#of lots) \_\_\_\_\_ RESIDENCE  
DFT SITE ADMIN SITE

RE-SUBMITTAL: YES NO

**DEPARTMENT:** TRANSPORTATION HYDROLOGY/DRAINAGE

**Check all that apply under Both the Type of Submittal and the Type of Approval Sought:**

### TYPE OF SUBMITTAL:

ENGINEER/ARCHITECT CERTIFICATION  
PAD CERTIFICATION  
CONCEPTUAL G&D PLAN  
GRADING & DRAINAGE PLAN  
DRAINAGE REPORT  
DRAINAGE MASTER PLAN  
CLOMR/LOMR  
TRAFFIC CIRCULATION LAYOUT (TCL)  
ADMINISTRATIVE  
TRAFFIC CIRCULATION LAYOUT FOR DFT  
APPROVAL  
TRAFFIC IMPACT STUDY (TIS)  
STREET LIGHT LAYOUT  
OTHER (SPECIFY) \_\_\_\_\_

### TYPE OF APPROVAL SOUGHT:

BUILDING PERMIT APPROVAL  
CERTIFICATE OF OCCUPANCY  
CONCEPTUAL TCL DFT APPROVAL  
PRELIMINARY PLAT APPROVAL  
FINAL PLAT APPROVAL  
SITE PLAN FOR BLDG PERMIT DFT  
APPROVAL  
SIA/RELEASE OF FINANCIAL GUARANTEE  
FOUNDATION PERMIT APPROVAL  
GRADING PERMIT APPROVAL  
SO-19 APPROVAL  
PAVING PERMIT APPROVAL  
GRADING PAD CERTIFICATION  
WORK ORDER APPROVAL  
CLOMR/LOMR  
OTHER (SPECIFY) \_\_\_\_\_

DATE SUBMITTED: \_\_\_\_\_



Weighted E Method

Existing Developed Basins										100-Year, 6-hr		24-HOUR
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	Volume (ac-ft)		
EXISTING	9404	0.216	50%	0.10794	50.0%	0.108	0.0%	0	0%	0.000	0.855	0.015
PROPOSED TO STREET	4528	0.104	0%	0	10.0%	0.010	6.0%	0.00624	84%	0.087	2.973	0.026
PROPOSED TO ALLEY	4876	0.112	0%	0	26.0%	0.029	34.0%	0.03806	40%	0.045	1.991	0.019
											0.42	0.022

**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 4)

Ea= 0.76	Qa= 2.09
Eb= 0.95	Qb= 2.73
Ec= 1.2	Qc= 3.41
Ed= 3.34	Qd= 4.78

CURRENT DISCHARGE 0.52 CFS 670.04 CF

PROPOSED TO MENAUL 0.47 CFS 1425.94 CF

PROPOSED TO ALLEY 0 CFS 965.042 CF

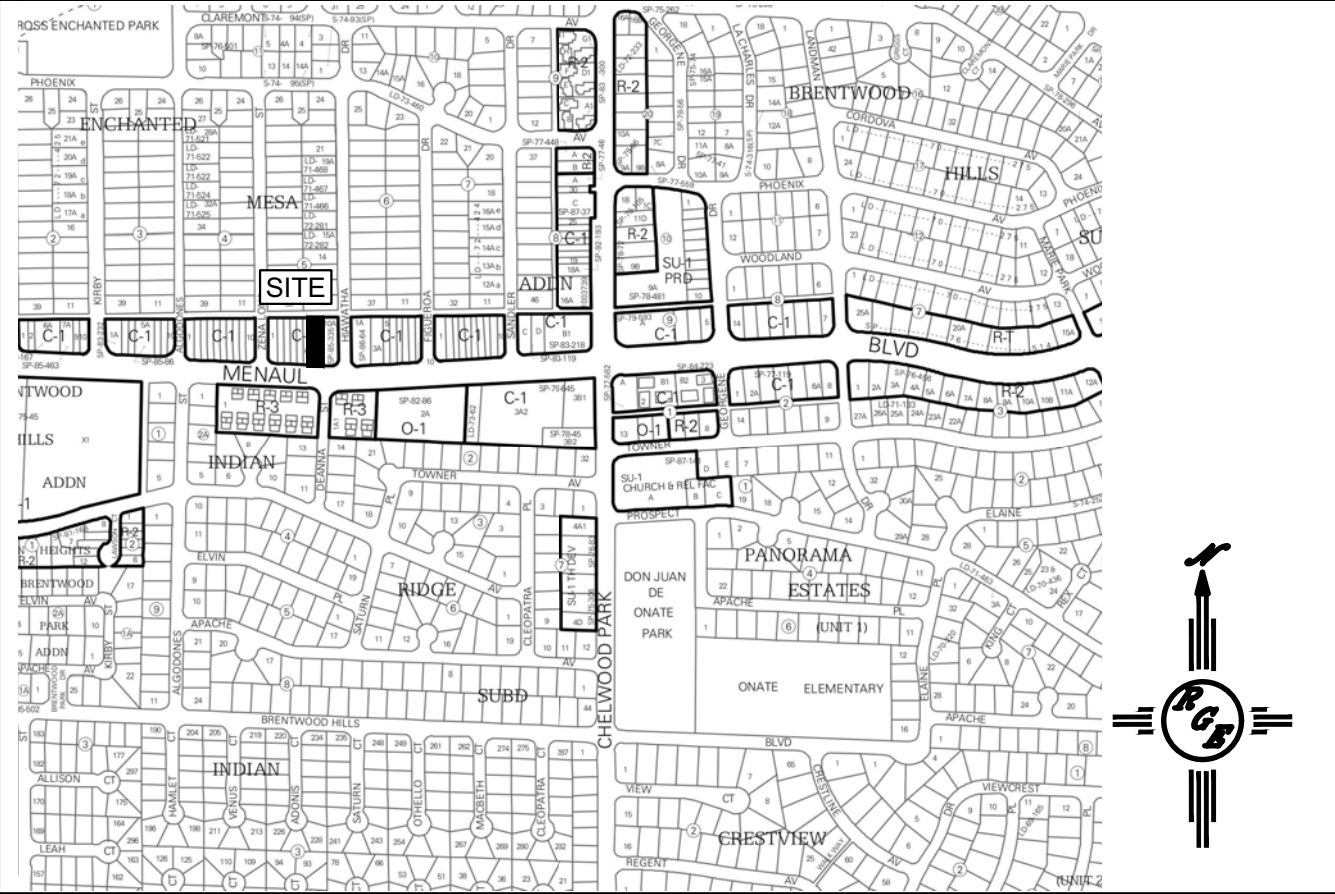
992 CF PONDING PROVIDED

**Narrative**

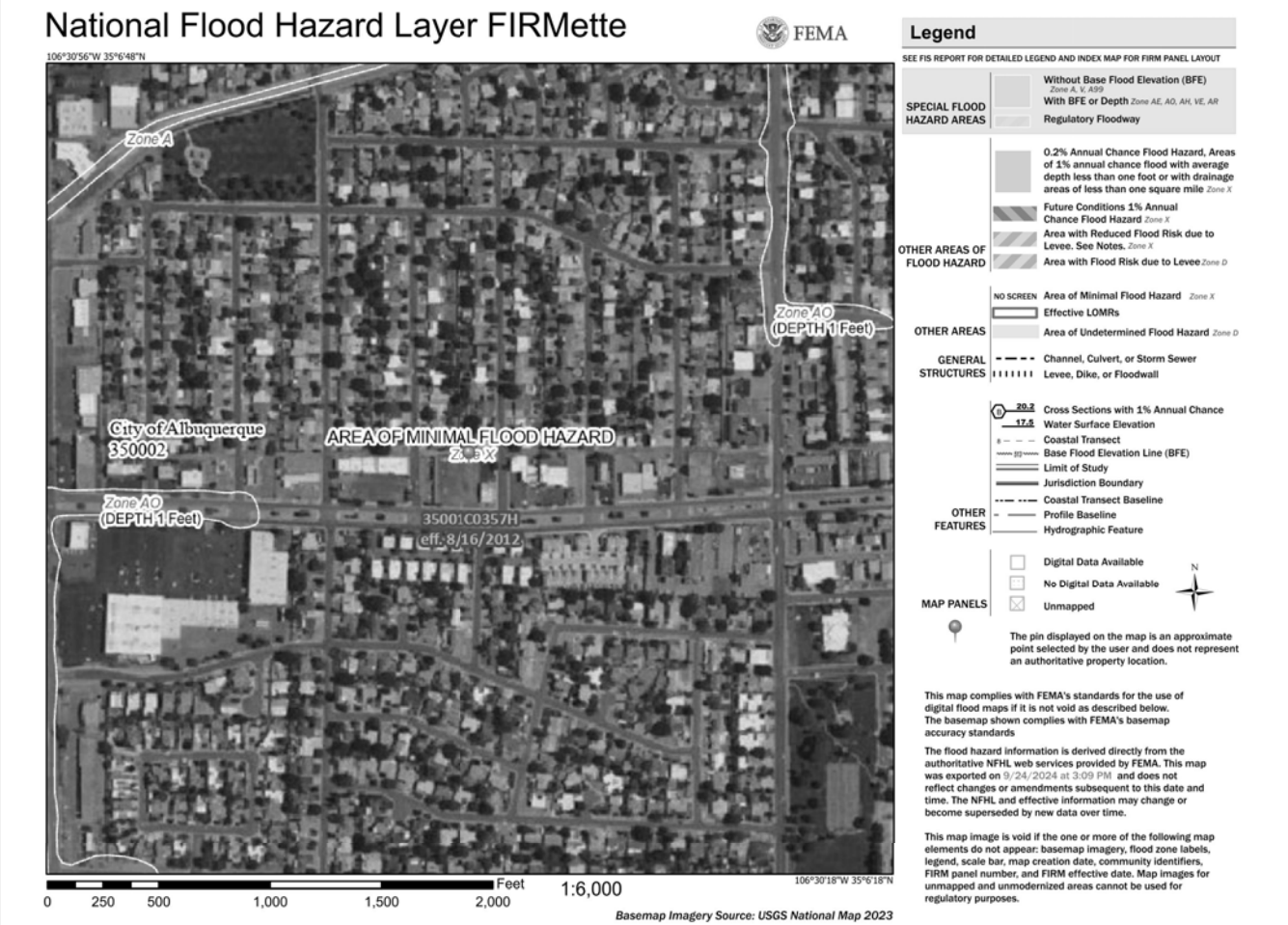
The subject property is surrounded by free discharging properties. The site was approved for free discharge (H22-D75). We propose to free discharge to menaul and retain the flow draining to the alley. Since water quality ponding in front basin is not practical the developer request fee in lieu 133x8= \$1,064.00

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: H-22-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 7-A, BLOCK 5 ENCHANTED MESA SUBDIVISION  
CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

NOTES:

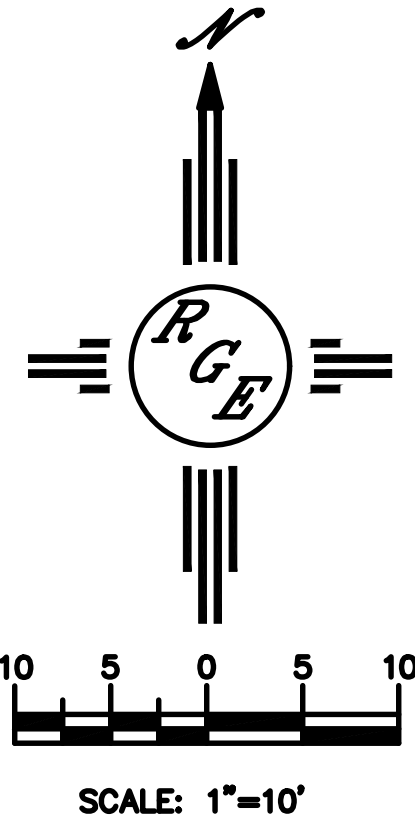
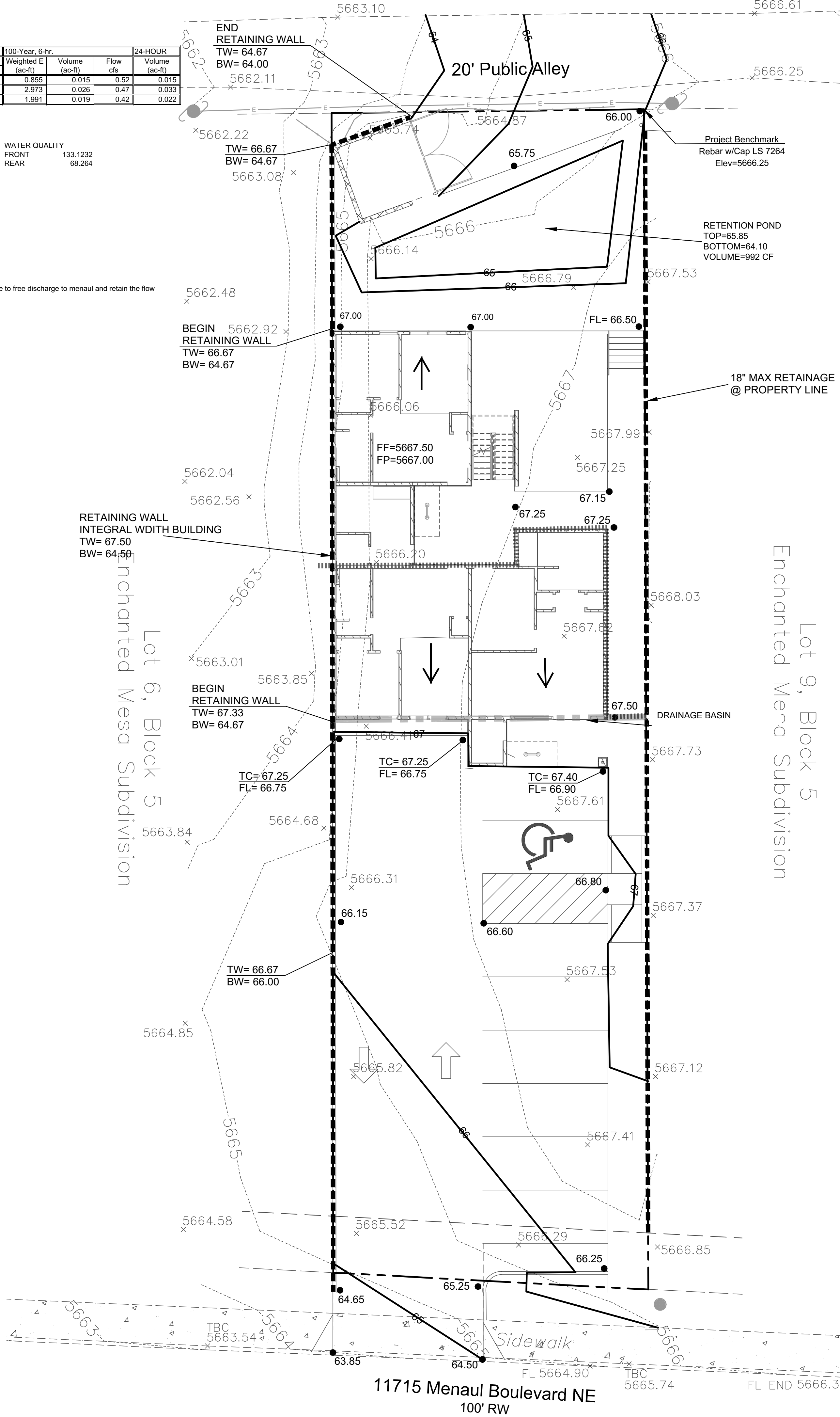
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
6. 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

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.



ENGINEER'S SEAL	LOT 7-A BLK 5 ENCHANTED MESA SUB. 11715 MENAUL BLVD	DRAWN BY DEM
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 9-26-24
10/1/24	Rio Grande Engineering P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	808 Montoya St NW, Alg
		SHEET # C1
		JOB #