

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

July 16, 2025

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

RE: 6600 Palomas Ave. NE
Permanent C.O. – Accepted
Engineer's Certification Date: 7/15/25
Engineer's Stamp Date: 12/19/23
Hydrology File: D18D024
Case # HYDR-2025-00253

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 07/15/2025 and the site visit on 07/16/2025, this letter serves an approval of the Engineer's Certification in support of a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

NM 87103

Sincerely,

www.cabq.gov

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

Weighted E Method

353.2883333

Existing Developed Basins										100-Year, 6-hr.		10-day		
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
			%	(acres)	%	(acres)	%	(acres)	%	(acres)				
EXISTING AREA CONDITION	6290	0.144	70%	0.10108	30.0%	0.043	0.0%	0.000	0%	0.000	0.674	0.008	0.28	0.008
PROPOSED AREA CONDITION	6290	0.144	10%	0.01444	25.0%	0.036	23.0%	0.033	42%	0.061	1.478	0.018	0.47	0.026

Equations:

Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)

First flush requirement = $\text{impervious} \times 0.34/12$ north basin 75 cubic feet

Volume = Weighted D * Total Area

Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Where for 100-year, 6-hour storm (zone 2)

Ea= 0.62	Qa= 1.71
Eb= 0.8	Qb= 2.36
Ec= 1.03	Qc= 3.05
Ed= 2.33	Qd= 4.34

EXISTING DISCHARGE	353 CF
PROPOSED DISCHARGE	1127 CF
DIFFERENCE	773 CF
RETAINED VOLUME	778 CF

DRAINAGE NARRATIVE

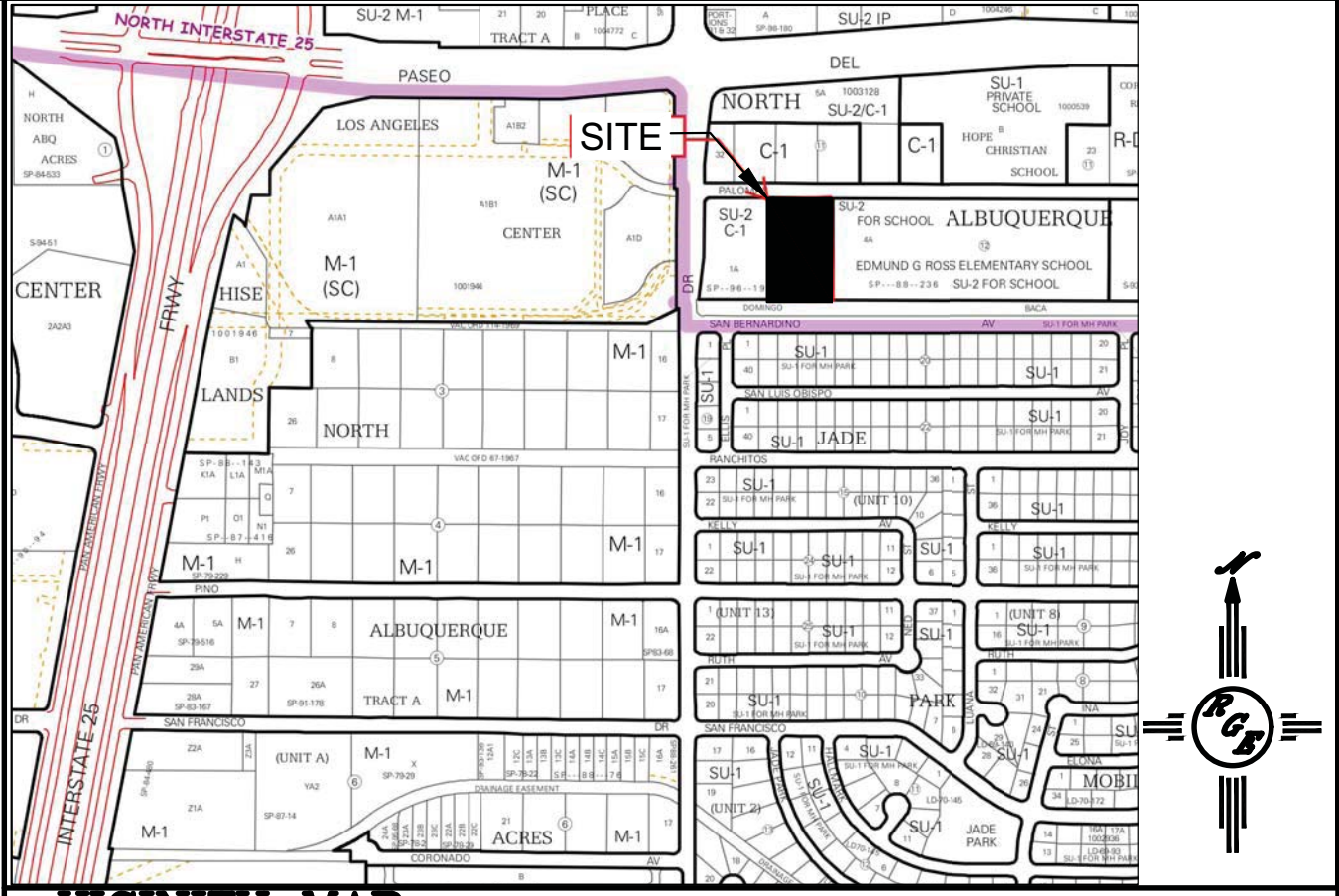
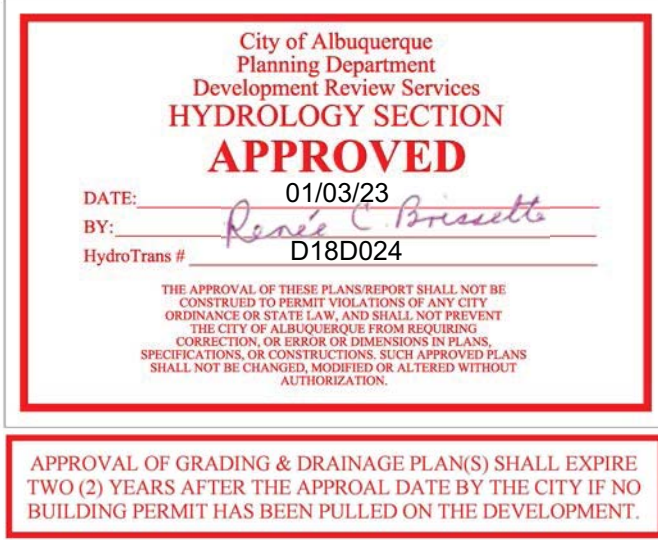
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I **David Soule**, NMPE 14522, of the firm **Rio Grande Engineering**, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 12/19/23. The certification is submitted in support of a request for **CERTIFICATE OR OCCUPANCY**. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project.

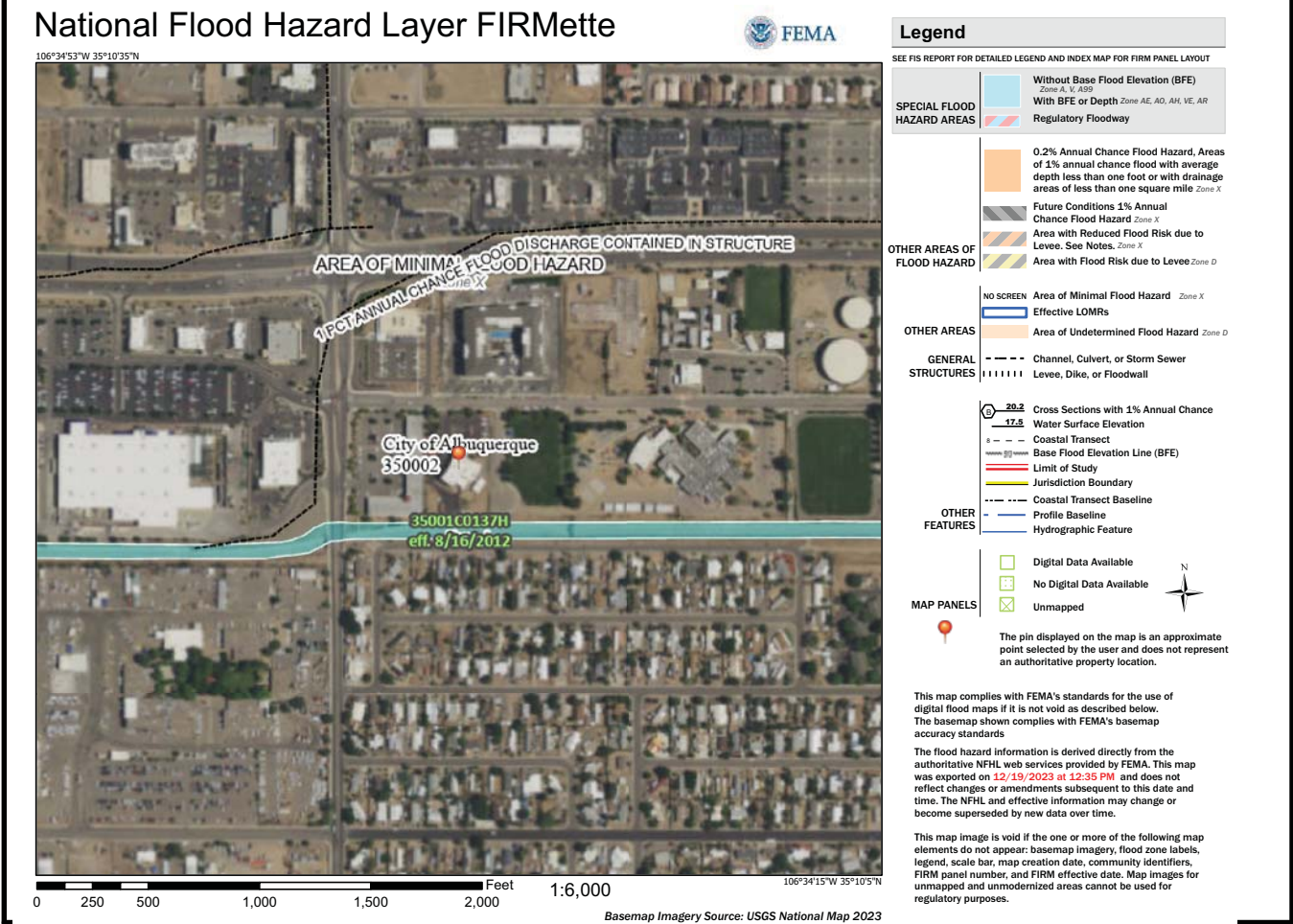


EROSION CONTROL NOTES:

- 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:



FIRM MAP:

LEGAL DESCRIPTION:

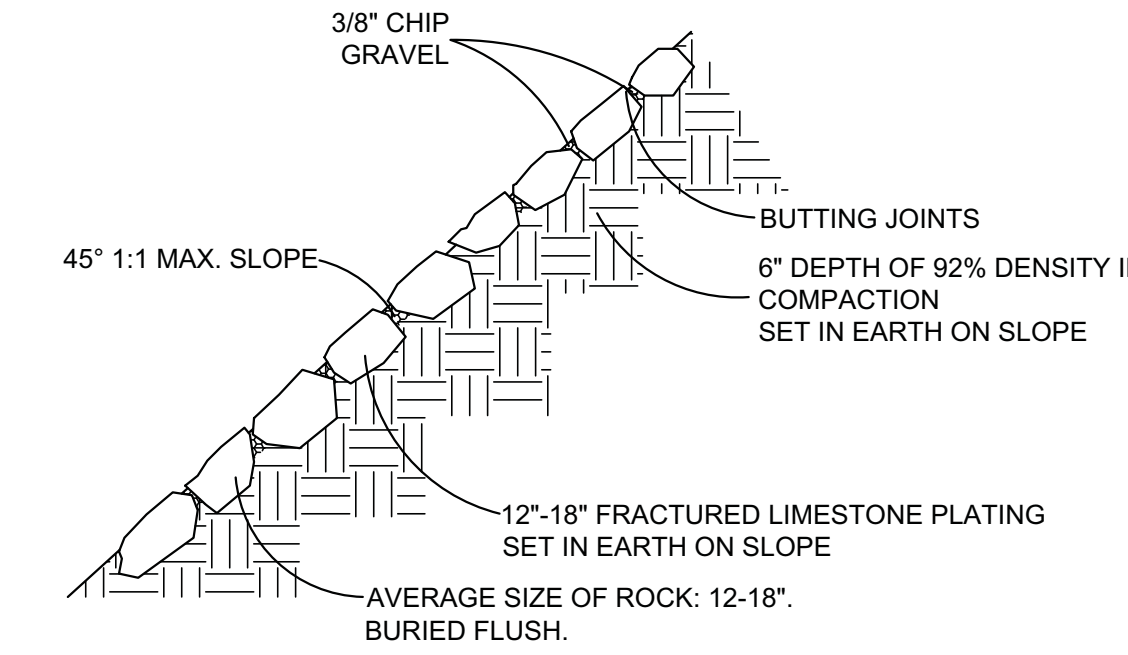
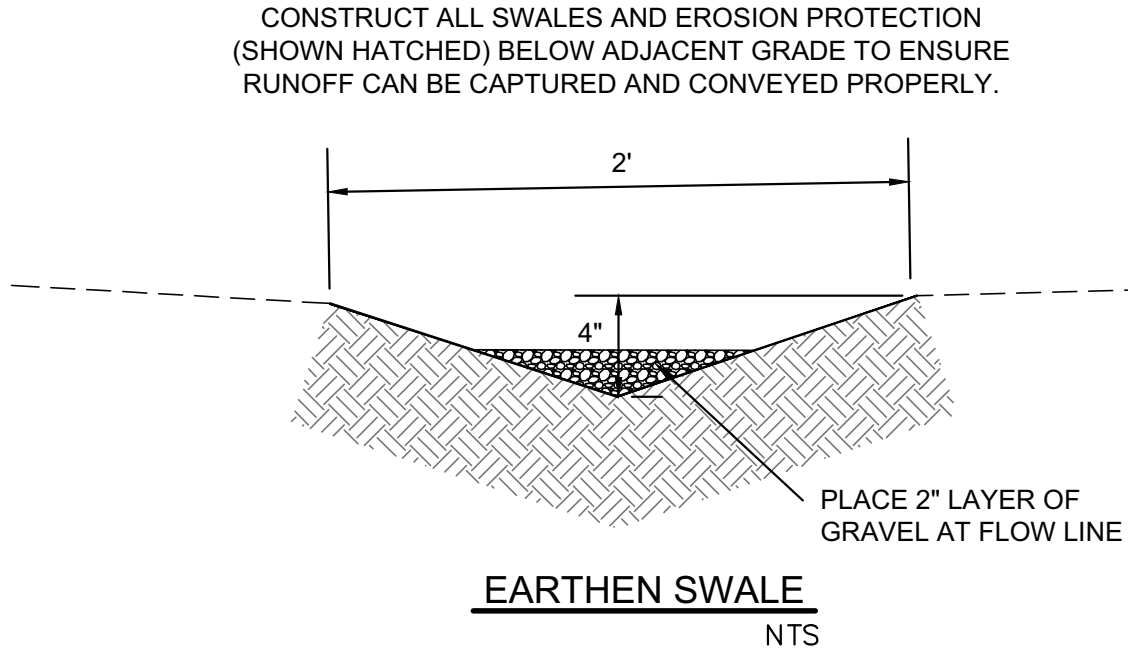
LOT 3-A , BLOCK 12 TRACT A, UNIT A NORTH ABQUERQUE ACRES CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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 DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NM STATE PLANE CENTRAL NAD83.

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 GRAVEL |
| -----<----- | PROPOSED CONCRETE |
| -----<----- | PROPOSED 2' WIDE COBBLE SWALE |

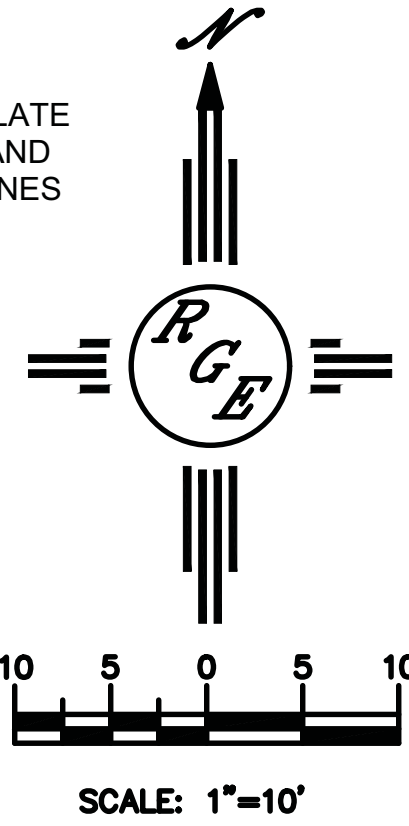
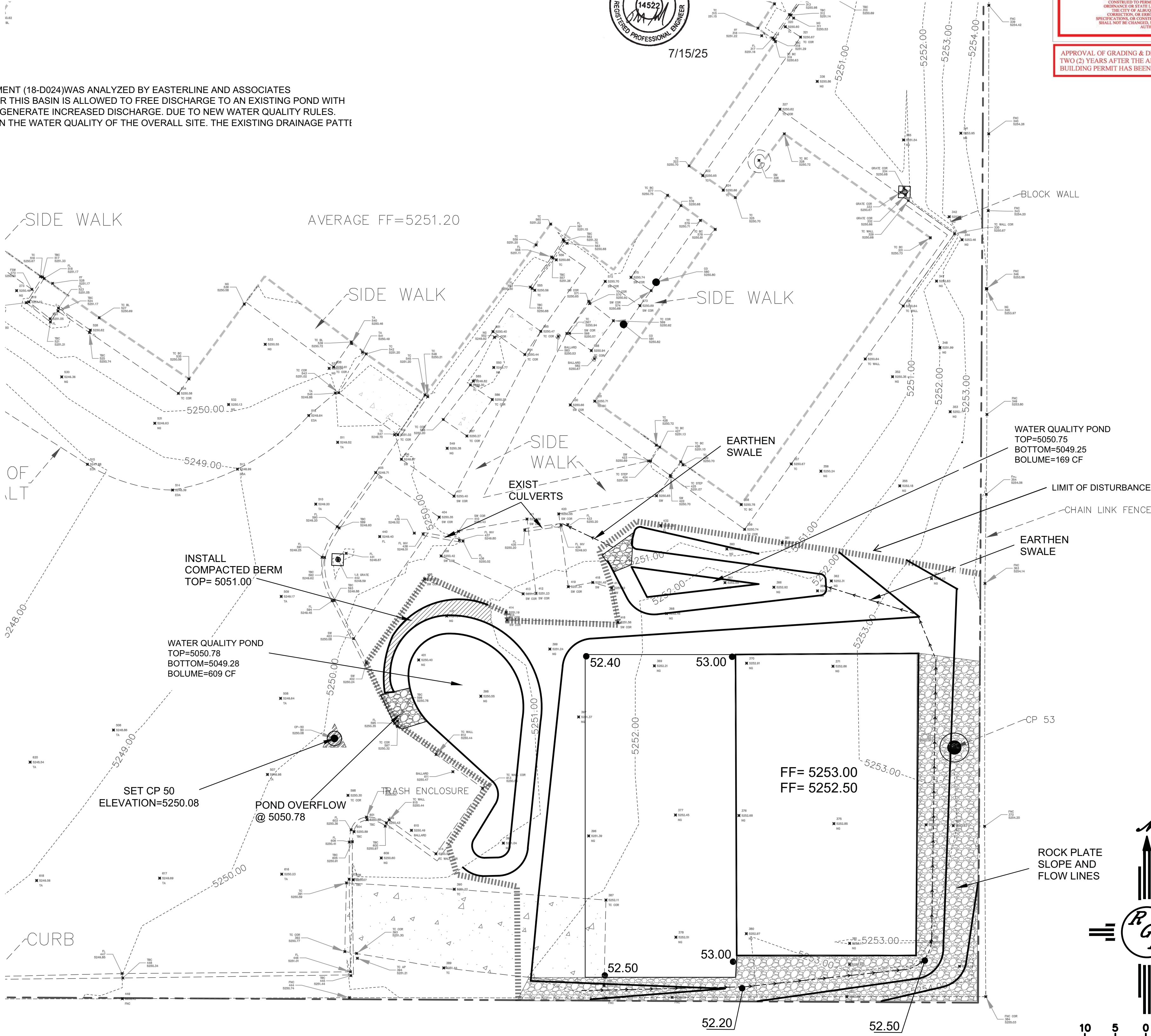


ROCK PLATING DETAIL

NTS

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 3-A , BLK 12 TRACT A, U A NAA 6600 PALOMAS AVE NE	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 12-18-23
 RIO BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099		6600 Palomas .DWG
		SHEET # C1
DAVID SOULE P.E. #14522		JOB #

Weighted E Method

353.2883333

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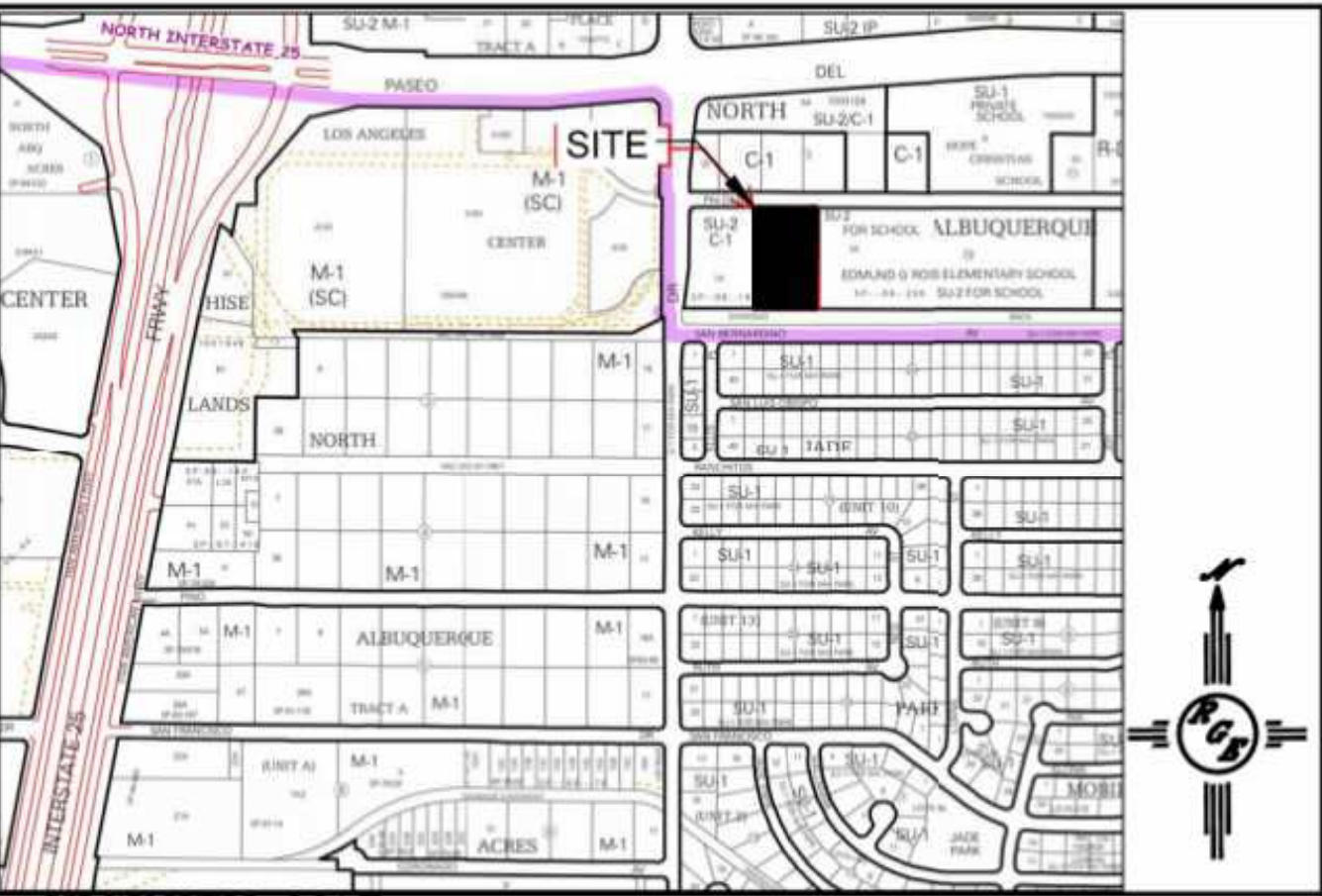
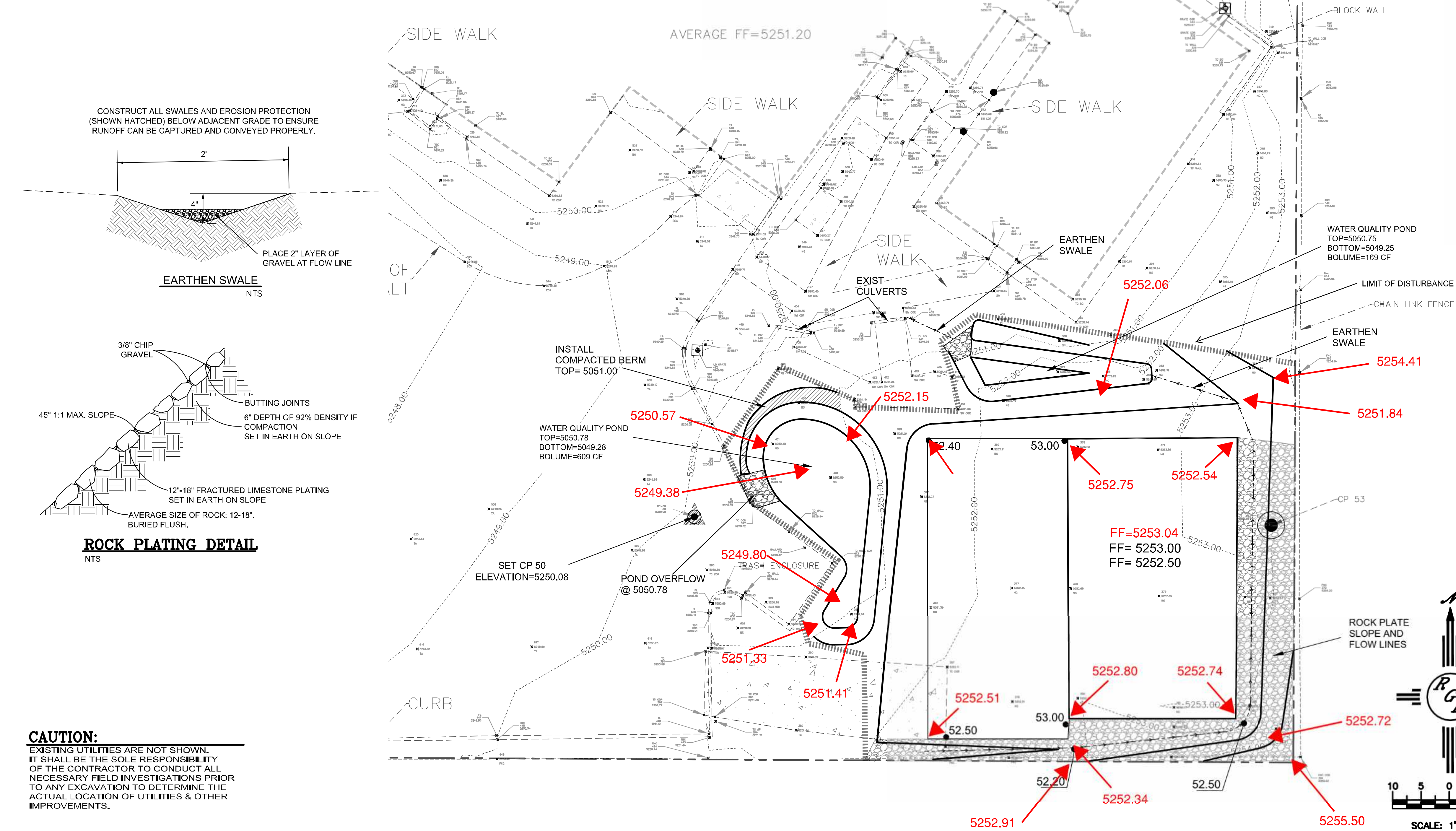
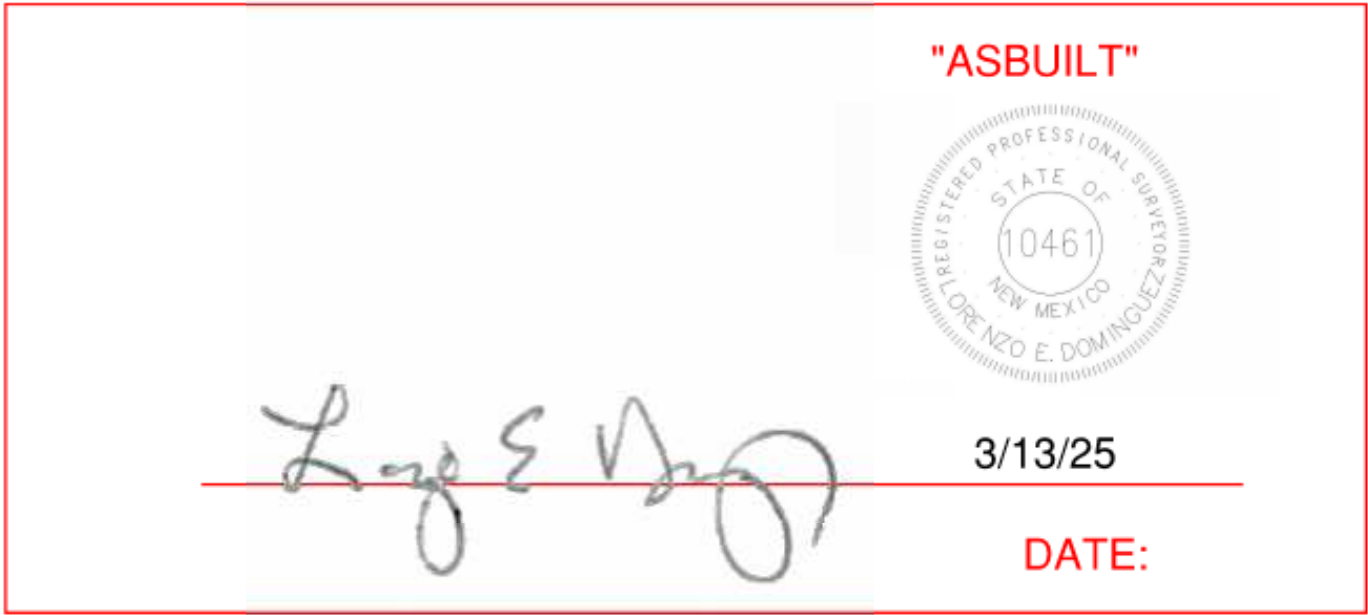
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DIFFERENCE 773 CF
RETAINED VOLUME 778 CF

DRAINAGE NARRATIVE

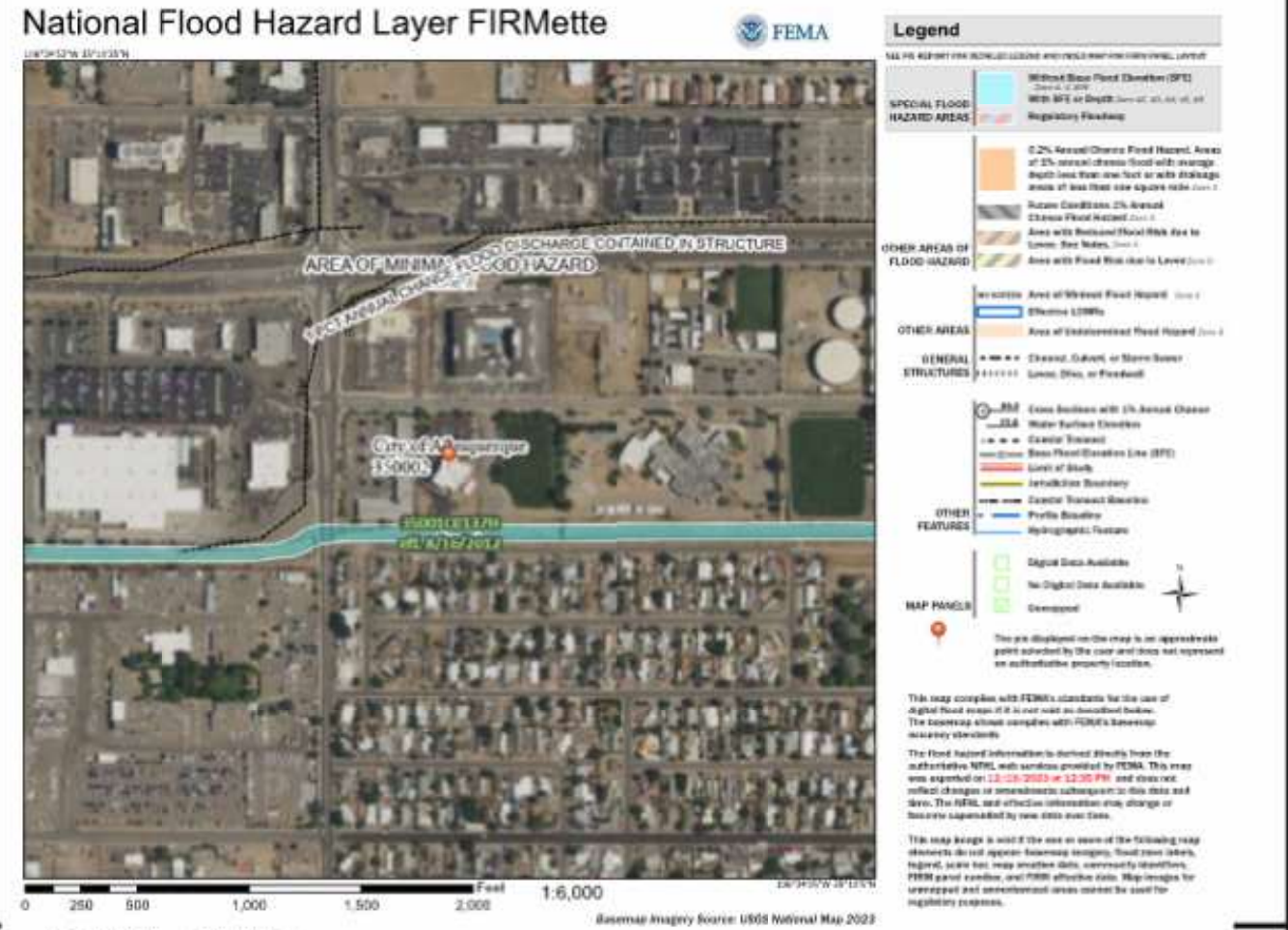
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7/14/25



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