

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

June 16, 2025

David Soule, P.E.
Rio Grande Engineering
PO BOX 93924
Albuquerque, NM 87199

RE: 1101 10th Street SW
Grading & Drainage Plan
Engineer's Stamp Date: 2/24/25
Hydrology File: K13D086
Case # HYDR-2025-00059

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 2/24/2025, the Grading plan is **approved** for Grading Permit and Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

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

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 (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

Weighted E Method												100-Year, 6-hr		10-DAY	
Basin	Area (sf)	Area (acres)	Treatment A %	Treatment B (acres)	Treatment C %	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)					
HISTORICAL	3000.00	0.069	100%	0.0689	0%	0.000	0%	0.000	0%	0.000	0.620	0.004	0.12	0.004	
PROPOSED	3000.00	0.069	0%	0	25%	0.017	32%	0.022	43%	0.030	1.532	0.009	0.24	0.012	

Equations:

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

Volume = Weighted D * Total Area

WATER QUALITY REQUIREMENT= 45.0463
FLOOD CONTROL REQUIREMENT= 53.75

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

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

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

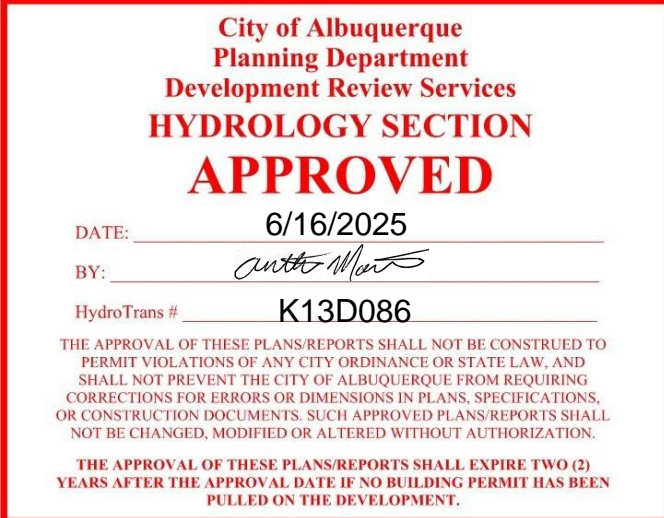
Developed Conditions

FLAT GRADING SCHEME

EXISTING	0.12 CFS	155 CF
PROPOSED	0.24 CFS	526 CF
REQUIRED		54 CF
PROVIDED	0.00 CFS	472 CF

DRAINAGE NARRATIVE

THIS SITE IS AN IN FILL DEVELOPMENT. THE SITE IS GOVERNED BY THE VALLEY GRADING CRITERIA. PER SECTION 6-5(A) THE DRAINAGE SOLUTION REQUIRES RETENTION OF 1/2" RUNOFF FROM THE IMPERVIOUS AREA. THE FINISHED PAD IS 18" ABOVE FLOWLINE OF ROADWAY. THE SITE RETAINS THE ENTIRE INCREASE IN FLOW COMPARED TO HISTORICAL

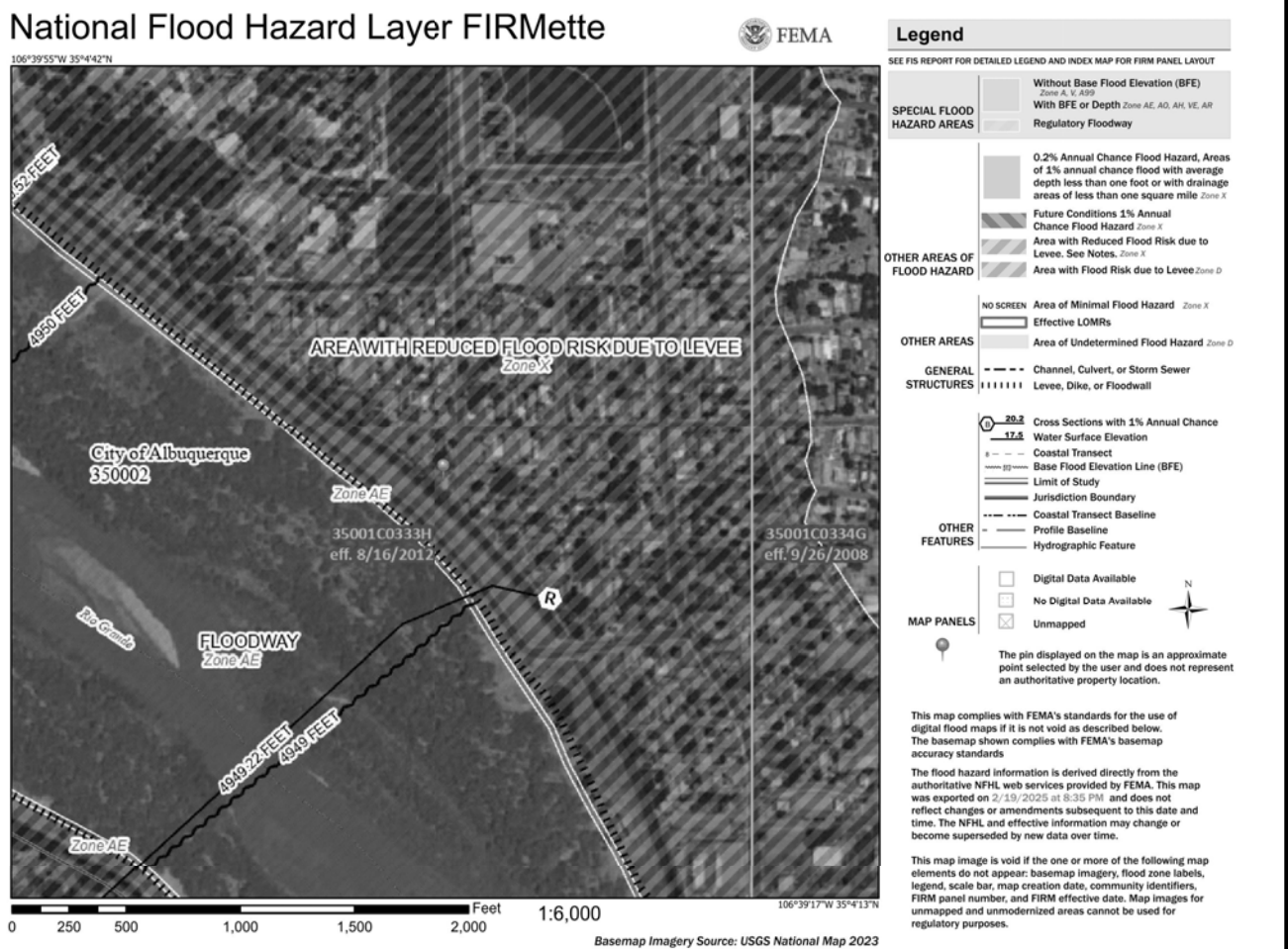


EROSION CONTROL NOTES:

- 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:

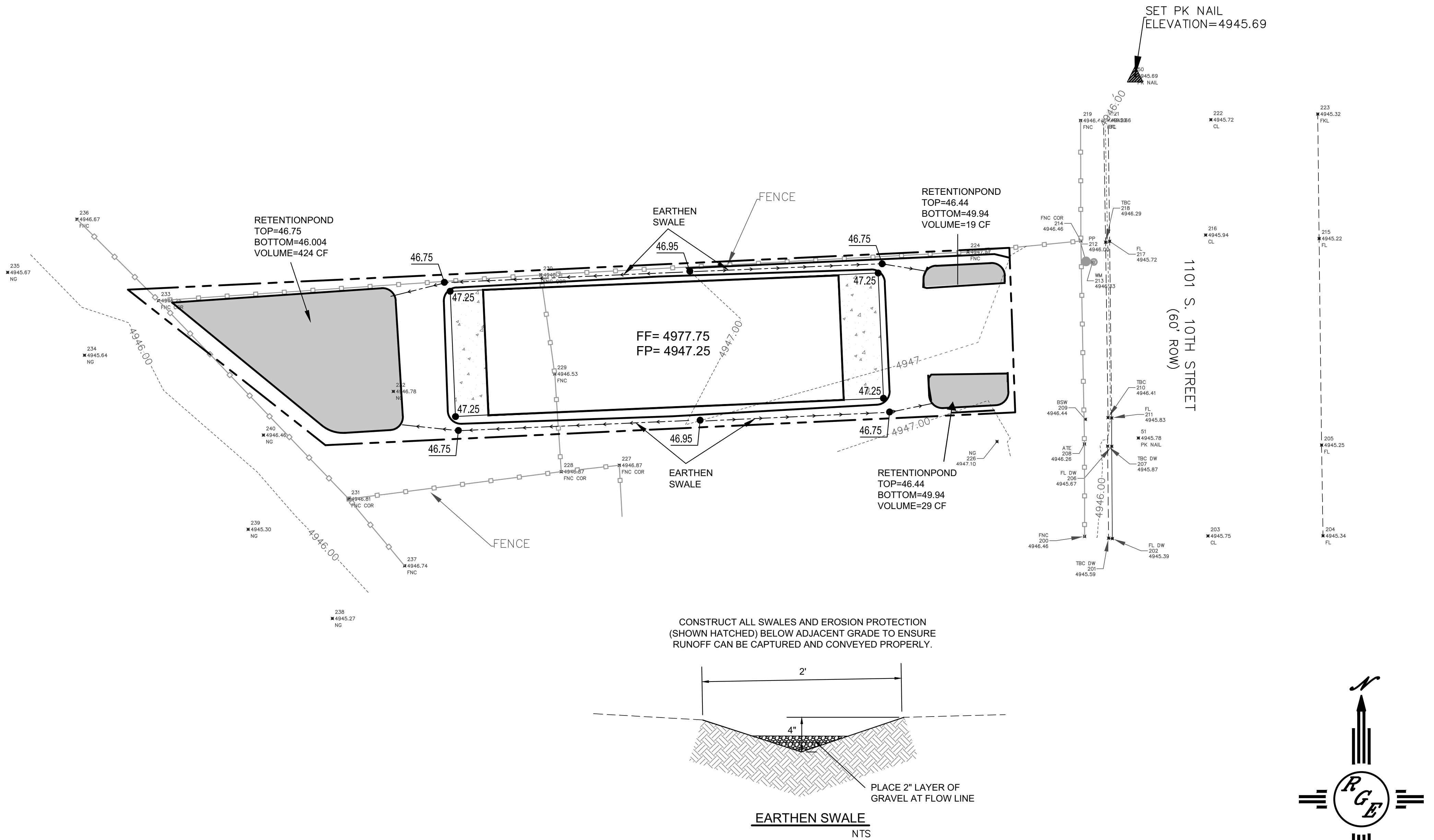
LOT 1, BLOCK 4 APODACA ADDITION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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 DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1983.
- LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
- 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 CONCRETE
- 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 2/24/25 DAVID SOULE P.E. #14522	LOT 1 BLOCK 4 APODACA ADD. 1101 10TH STREET SW	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 2-21-25
	 RIO BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	1101 10th Street SW.dwg SHEET # C1 JOB #