

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

August 13, 2025

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

**RE: 112 Bell Ave. SE  
Grading & Drainage Plan  
Engineer's Stamp Date: 8/7/25  
Hydrology File: L14D070  
Case # HYDR-2025-00286**

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/08/2025, 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. Please note that a Pad Certification is not required for this site.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

**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) | 100-Year, 6-hr. |               |               |               | 10-DAY             |                |          |                |      |       |
|------------|-----------|--------------|-----------------|---------------|---------------|---------------|--------------------|----------------|----------|----------------|------|-------|
|            |           |              | Treatment A %   | Treatment B % | Treatment C % | Treatment D % | Weighted E (ac-ft) | Volume (ac-ft) | Flow cfs | Volume (ac-ft) |      |       |
| HISTORICAL | 7222.00   | 0.166        | 0%              | 22%           | 0.036         | 46%           | 0.076              | 32%            | 1.395    | 0.019          | 0.55 | 0.025 |
| PROPOSED   | 7222.00   | 0.166        | 0%              | 15%           | 0.025         | 40%           | 0.066              | 45%            | 1.581    | 0.022          | 0.58 | 0.030 |

**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(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

|             | PEAK FLOW | TOTAL FLOW |
|-------------|-----------|------------|
| EXISTING    | 0.55 CFS  | 1096 CF    |
| PROPOSED    | 0.58 CFS  | 1311 CF    |
| INCREASE    | 0.04      | 215        |
| FIRST FLUSH |           | 70 CF      |
| PROVIDED    |           | 394 CF     |

**DRAINAGE NARRATIVE**

THIS SITE IS AN IN FILL DEVELOPMENT. THE DRAINAGE SOLUTION REQUIRES THE RETENTION OF THE INCREASE IN FLOW BASED UPON THE 100-YEAR, 10-DAY VOLUME. THE PROPOSED DEVELOPMENT DEMOLISHED AND REMOVED THE EXISTING HOME. THE SITE WILL RETAIN THE FLOW WITHIN THE DEPRESSED YARD. THE PAD IS 1' ABOVE THE EMERGENCY OVERFLOW AT COMMERCIAL ROADWAY TO THE WEST

**City of Albuquerque  
Planning Department  
Development Review Services  
HYDROLOGY SECTION  
APPROVED**

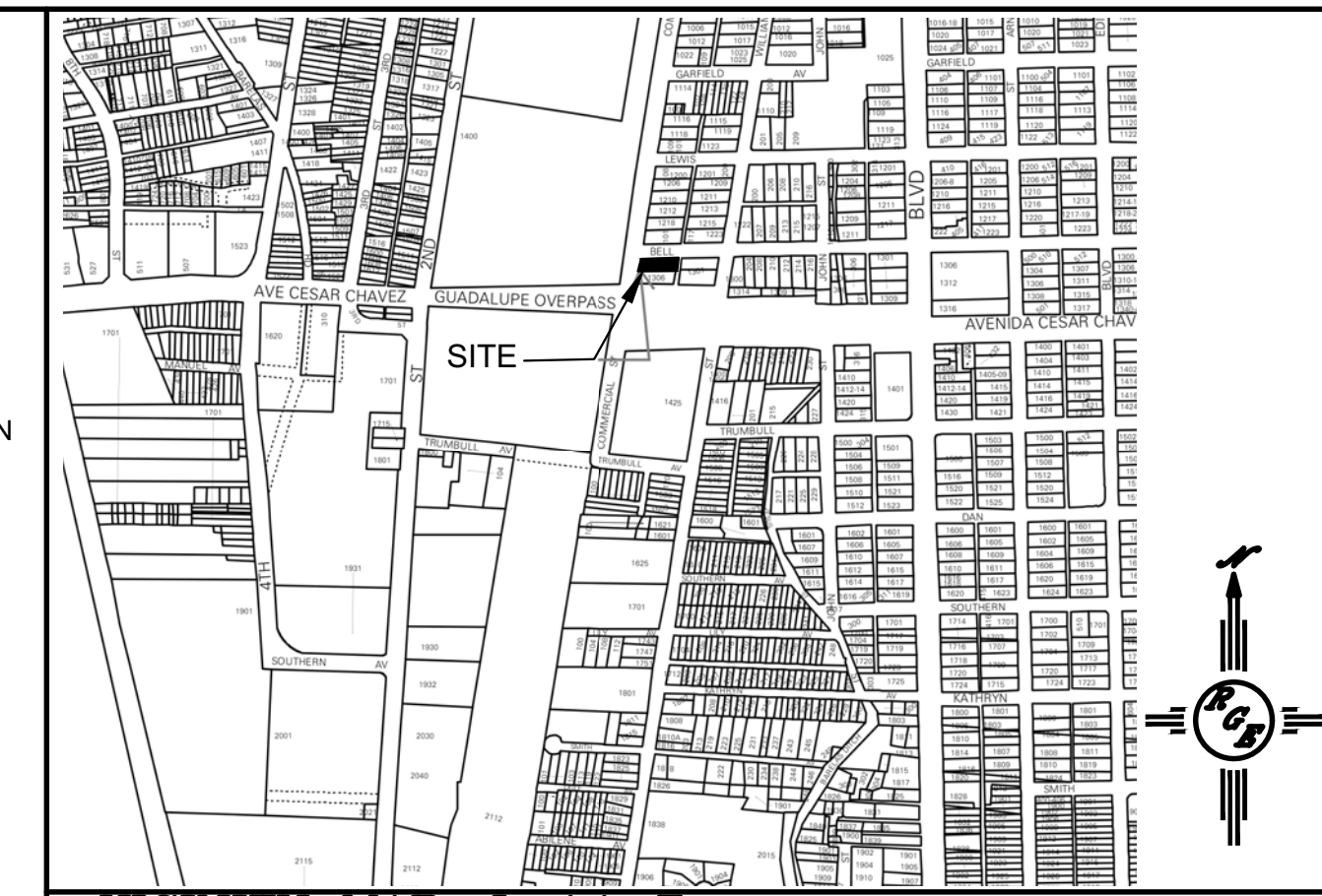
DATE: 8-13-2025  
BY: *David Soule*  
HydroTeam #: L14D070

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSIDERED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM ENJOYING CORRECTIONS FOR ERRORS OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS. SUCH APPROVED PLANS/REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

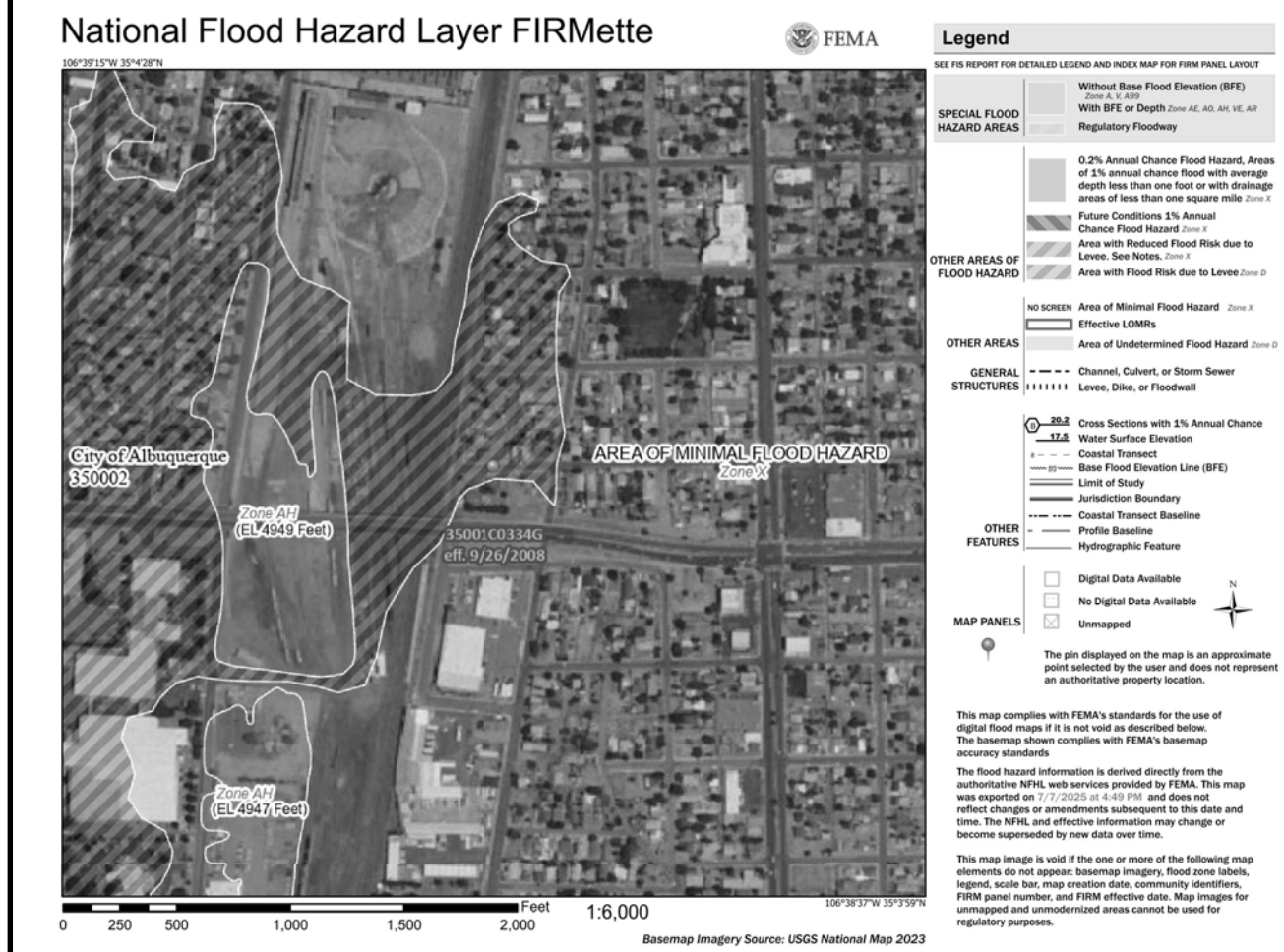
THE APPROVAL OF THESE PLANS/REPORTS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

**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-14-Z**



**FIRM MAP:**

**LEGAL DESCRIPTION:**

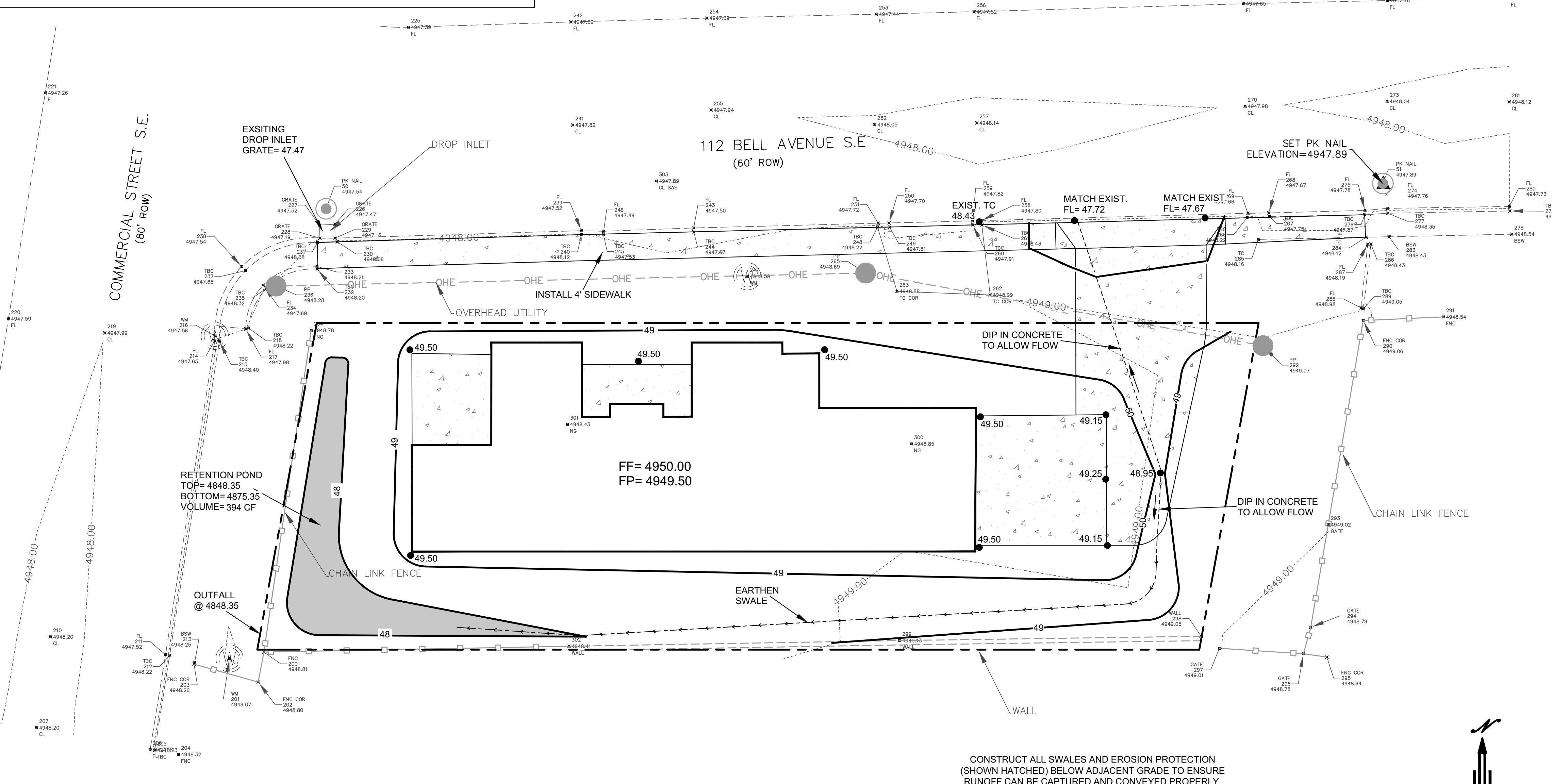
LOT 1 BLOCK "Y" EASTERN ADDITION  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

**NOTES:**

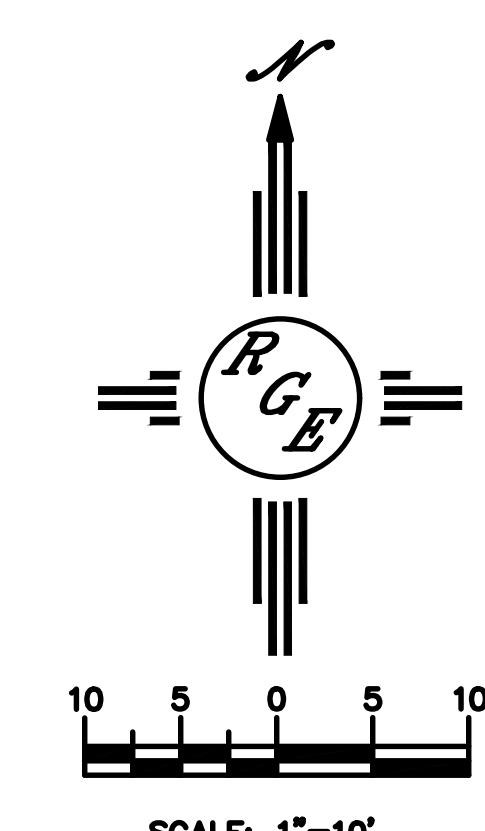
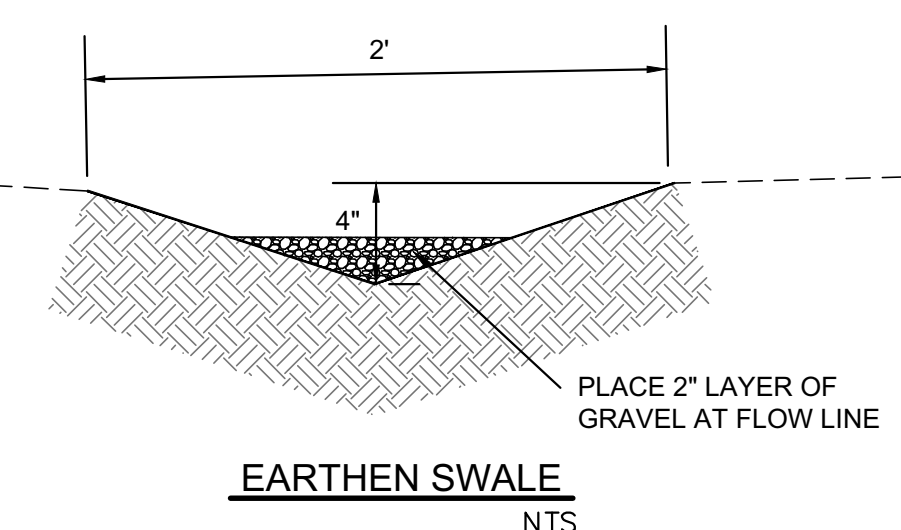
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES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



CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



**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<br>DAVID SOULE<br>P.E. #14522 | LOT 1 BLOCK "Y" EASTERN ADD.<br>112 BELL AVE SE                   | DRAWN BY<br>DEM |
|   | GRADING AND DRAINAGE PLAN   | DATE<br>8-6-25  |
| 8/7/25  | Rio Grande Engineering<br>ALBUQUERQUE, NM 87199<br>(505) 321-8099 | SHEET #<br>C1   |
|   |   | JOB #           |