

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

December 30, 2025

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

**RE: 3030 Todos Santos St NW  
Grading and Drainage Plan  
Engineer's Stamp Date: 12/19/25  
Hydrology File: G10D029J  
Case # HYDR-2025-00434**

Dear Mr. Soule:

Based upon the information provided in your submittal received 12/22/2025, the Grading and Drainage Plans are approved for 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.

PO Box 1293

**PRIOR TO CERTIFICATE OF OCCUPANCY:**

Albuquerque

NM 87103

www.cabq.gov

1. Engineer's Certification, per the DPM Part 6-14 (F): Engineer's Certification Checklist For Non-Subdivision is required.
2. Please provide the Drainage Covenant with Exhibit A for the stormwater quality ponds per Article 6-15(C) of the DPM prior to Permanent Release of Occupancy. Please submit the original copies along with the \$ 25.00 recording fee check made payable to Bernalillo County to the Hydrology Section of Development Review Services on the Ground floor of Plaza de Sol. Submittal in ABQ-PLAN is also 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., C.F.M.  
Senior Engineer, Hydrology  
Planning Department, Development Review Services

**Weighted E Method**

| Basin    | Area (sq) | Area (acres) | Treatment |       |       |       | Weighted E (ac-ft) | Volume (ac-ft) | Flow cfs |       |       |      |
|----------|-----------|--------------|-----------|-------|-------|-------|--------------------|----------------|----------|-------|-------|------|
|          |           |              | A (%)     | B (%) | C (%) | D (%) |                    |                |          |       |       |      |
| EXISTING | 44620.00  | 1.024        | 0%        | 0%    | 0.000 | 37%   | 0.379              | 63%            | 0.645    | 0.727 | 0.062 | 3.75 |
| PROPOSED | 44620.00  | 1.024        | 0%        | 0%    | 0.000 | 31%   | 0.31754            | 69%            | 0.707    | 0.732 | 0.062 | 3.82 |

**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 1)

|          |          |
|----------|----------|
| Ea= 0.55 | Qa= 1.54 |
| Eb= 0.62 | Qb= 2.16 |
| Ec= 0.67 | Qc= 2.87 |
| Ed= 0.76 | Qd= 4.12 |

|                             |          |
|-----------------------------|----------|
| runoff volume               | 2321 CF  |
| retention provided          | 3911 CF  |
| existing flood plain volume | 9635 CF  |
| proposed flood plain volume | 13662 CF |

**DRAINAGE NARRATIVE**

THE SCOPE OF THIS PROJECT IS THE ADDITION TO AN EXISTING BUILDING. THE LOCATION IS ON A PRECONSTRUCTED PAD ADJACENT TO EXISTING. THE SITE WAS ANALYZED UPON INITIAL DEVELOPMENT IN FILE G10D029J. THE SITE IS PART OF A MASTER DRAINAGE PLAN ALLOWING 0.5 CFS PER ACRE TO BE DISCHARGE A THE REAR DRAINAGE EASEMENT THE PREVIOUS PLAN ACCOMPLISHED THIS BY THE CONSTRUCTION OF A DETENTION POND WITH A WATER QUALTY VOLUME RETAINED. THE PLAN LAND TREATMENTS ACCOUNTED FOR THE ADDITION. THEREFOR NO MODIFICATIONS TO PONDING IS REQUIRED. THE SITE WILL DRAIN TO THE POND AND WILL INCREASE THE WATER QUALITY VOLUME.

SITE IS LOCATED IN FEMA FLOOD ZONE X.

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

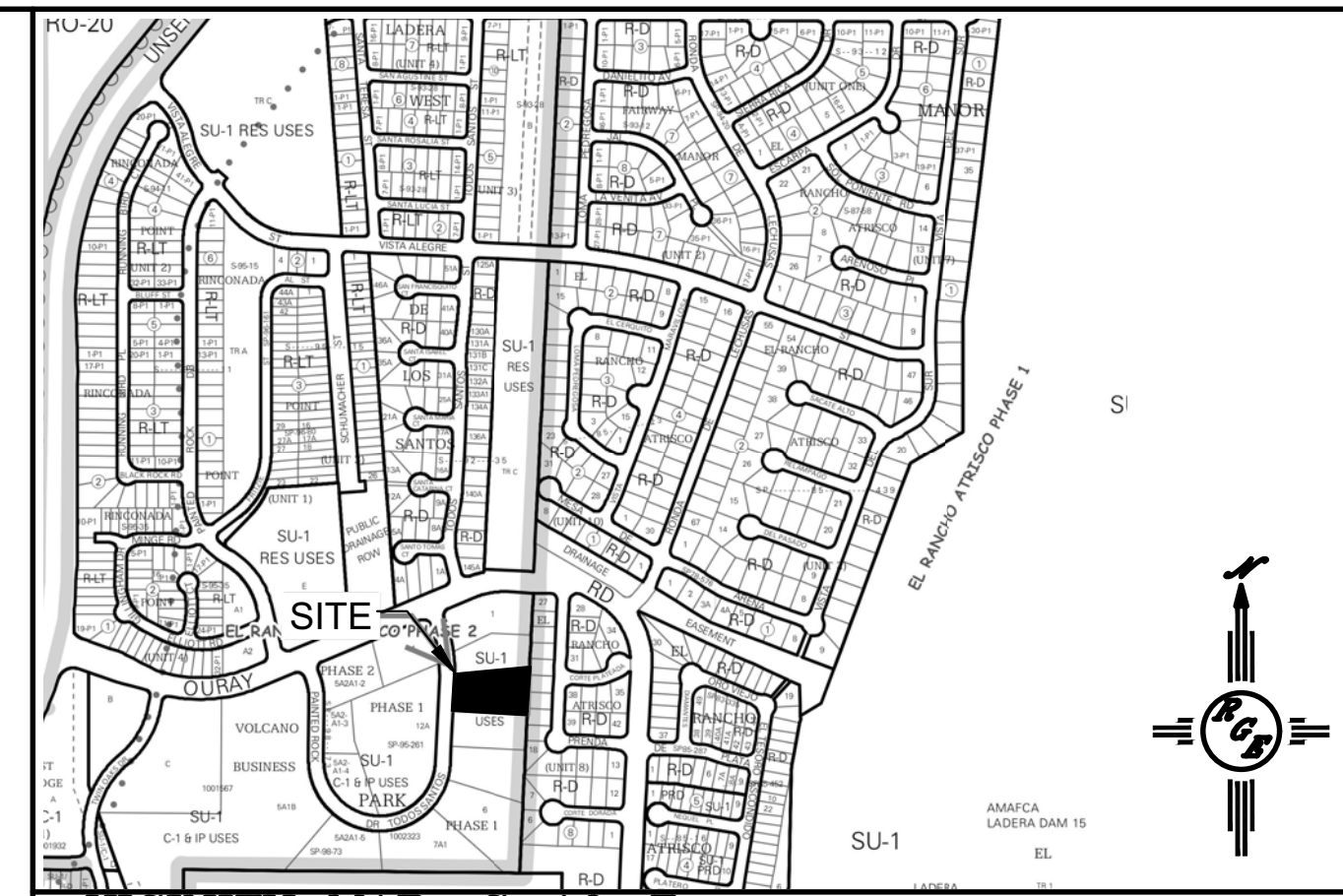
**APPROVED**

DATE: 12/30/2025  
BY: *DAVID SOULE*  
HydroTeam #: G10D029J

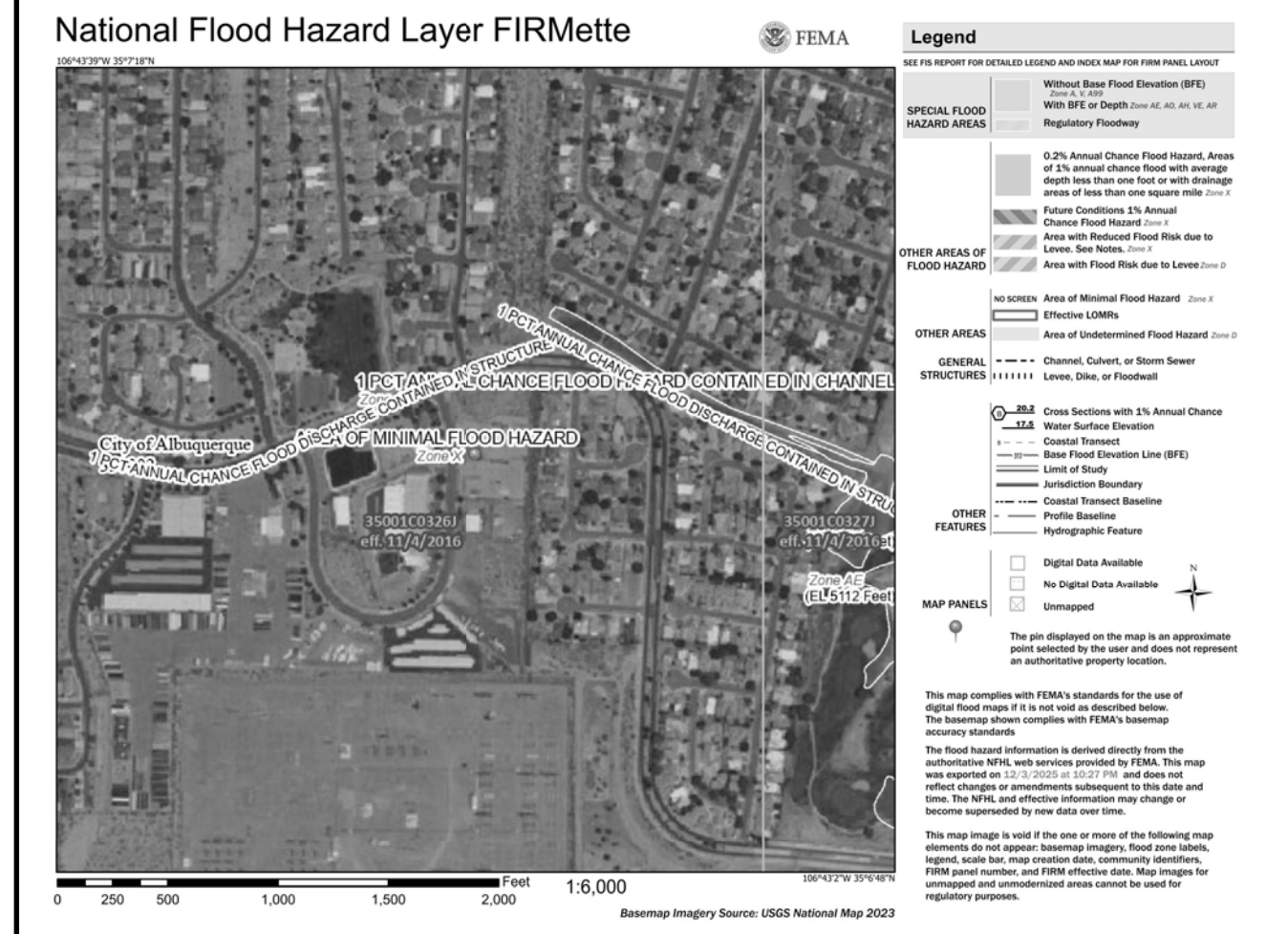
THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSIDERED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTIONS FOR ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS, SUCH APPROVED PLANS/REPORTS SHALL 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 FILED ON THE DEVELOPMENT.

**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: G-10-Z**



**FIRM MAP:**

**LEGAL DESCRIPTION:**

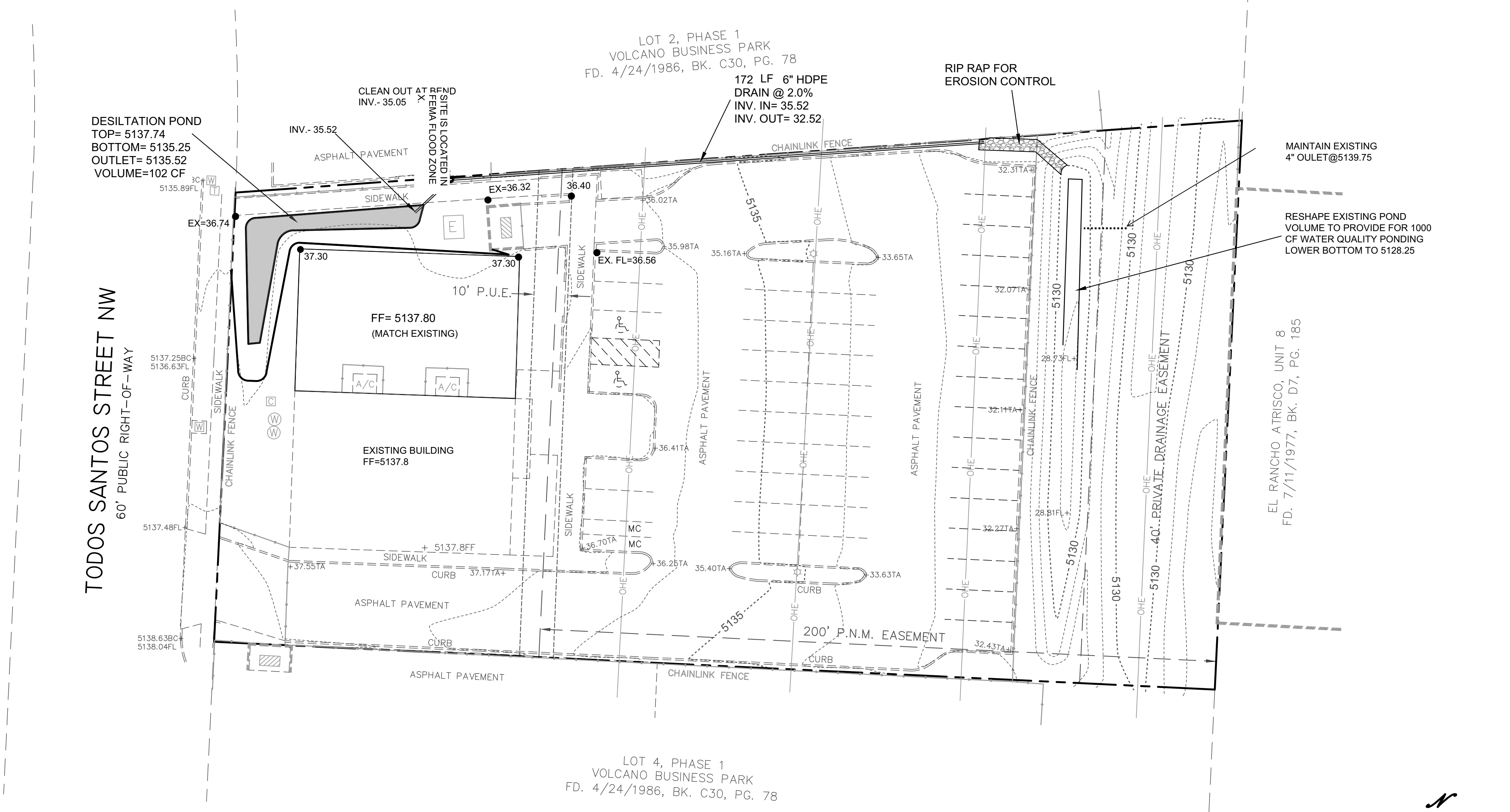
LOT 3, PHASE 1, VOLCANO BUSINESS PARK  
CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

**NOTES:**

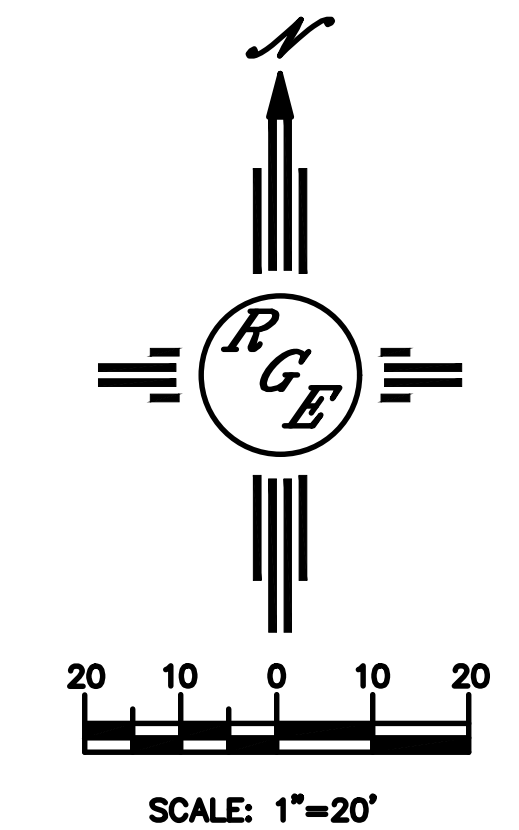
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY ALPHA PRO SURVEYING LLC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

**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 PONDING         |



**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            | <b>LOT 3 PH. 1 VOLCANO BUSINESS PARK</b><br>3030 TODO SANTOS NW<br><b>GRADING AND DRAINAGE PLAN</b> | DRAWN BY<br>DEM      |
|                            |                                                                                                     | DATE<br>12-4-25      |
| 12/19/25                   | Rio Grande Engineering<br>P.O. BOX 53294<br>ALBUQUERQUE, NM 87199<br>(505) 321-8099                 | SHEET #<br><b>C1</b> |
| DAVID SOULE<br>P.E. #14522 |                                                                                                     | JOB #                |