

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

September 03, 2024

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

RE: 715 Jaconita Place SW
Grading and Drainage Plan
Engineer's Stamp Date: 8/15/24
Hydrology File: L10D026A

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/15/2024, 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

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, 924-3420) 14 days prior to any earth disturbance.

www.cabq.gov

If you have any questions, please contact me at 924-3362 or richardmartinez@cabq.gov.

Sincerely,

Richard Martinez, P.E.
Senior Engineer, Hydrology
Planning Department, Development Review Services

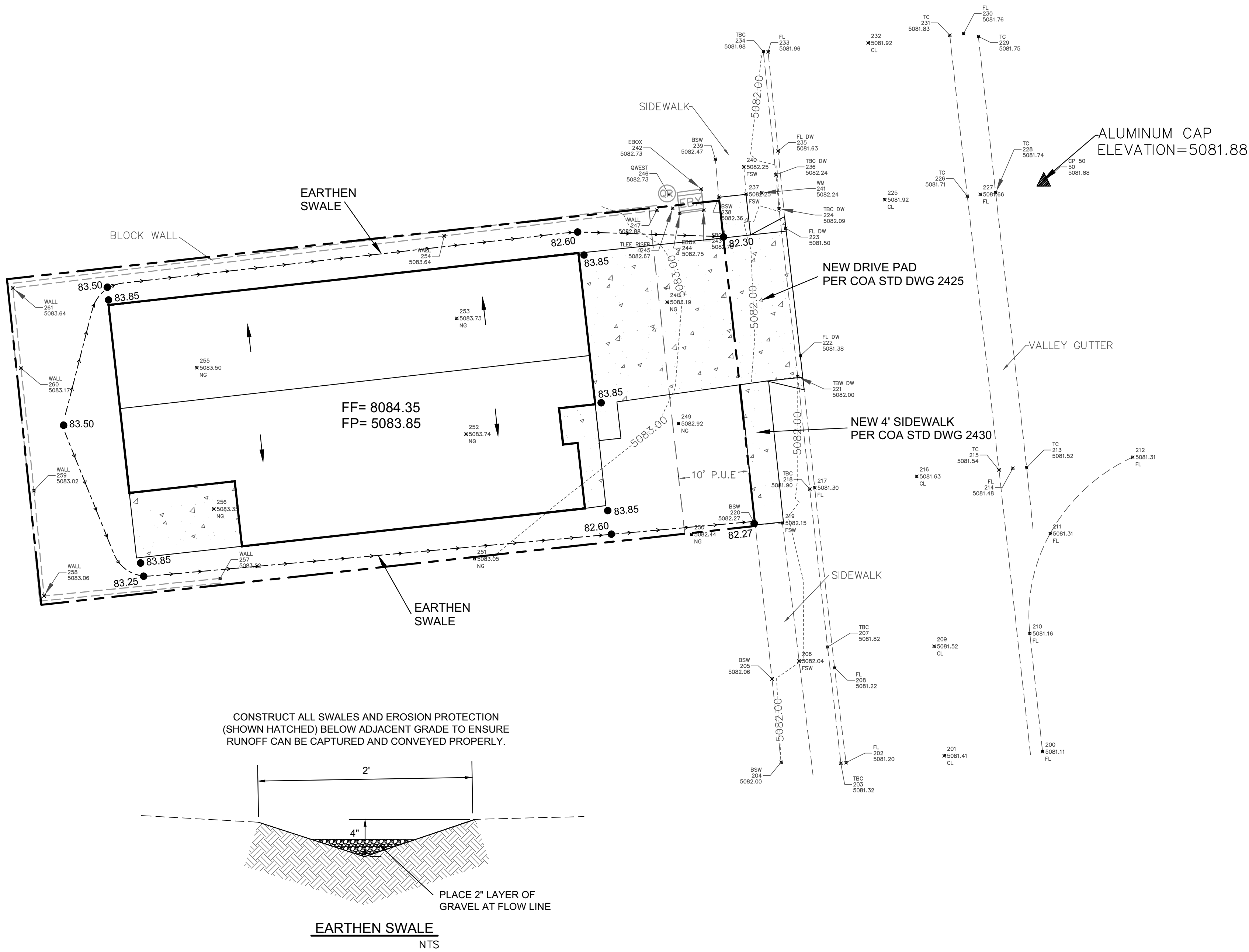
| Weighted E Method | | | | | | | | | | | | |
|--|-----------|--------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|----------------|----------|----------------|----------|----------------|
| Basin | Area (sq) | Area (acres) | Treatment A % (acres) | Treatment B % (acres) | Treatment C % (acres) | Treatment D % (acres) | Weighted E (ac-ft) | Volume (ac-ft) | Flow cfs | Volume (ac-ft) | Flow cfs | Volume (ac-ft) |
| ALLOWED | 4703.00 | 0.108 | 75% | 0.081 | 0% | 0.000 | 36% | 0.039 | 64% | 0.069 | 2.188 | 0.020 |
| PROPOSED | 4703.00 | 0.108 | 0% | 10% | 0.011 | 29% | 0.031 | 61% | 0.066 | 1.715 | 0.015 | 0.38 |
| Equalities: | | | | | | | | | | | | |
| Weighted E = Ea*As + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area) | | | | | | | | | | | | |
| Volume = Weighted D * Total Area | | | | | | | | | | | | |
| Flow = Qa * As + Qb * Ab + Qc * Ac + Qd * Ad | | | | | | | | | | | | |
| Where for 100-year, 6-hour storm(zone1) | | | | | | | | | | | | |
| Ea= 0.55 Qa= 1.54 | | | | | | | | | | | | |
| Eb= 0.73 Qb= 2.16 | | | | | | | | | | | | |
| Ec= 0.95 Qc= 2.87 | | | | | | | | | | | | |
| Ed= 2.24 Qd= 4.12 | | | | | | | | | | | | |
| Developed Conditions | | | | | | | | | | | | |
| ALLOWED DISCHARGE 0.52 cfs | | | | | | | | | | | | |
| DEVELOPED DISCHARGE 0.38 cfs | | | | | | | | | | | | |
| PROVIDED STORMWATER STORAGE 0 cf | | | | | | | | | | | | |
| This site is an existing lot within a fully developed subdivision. The site was analyzed by Tierra West (L10-D026). The subdivision was designed to allow free discharge based upon development density assumptions. The drainage solution for this lot conforms to the allowed discharge rates assumed in the governing draining plan | | | | | | | | | | | | |

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 09/03/2024
BY:
HydroTrans # L10D026A

THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTION, OR ERROR OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

APPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIRE TWO (2) YEARS AFTER THE APPROAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.



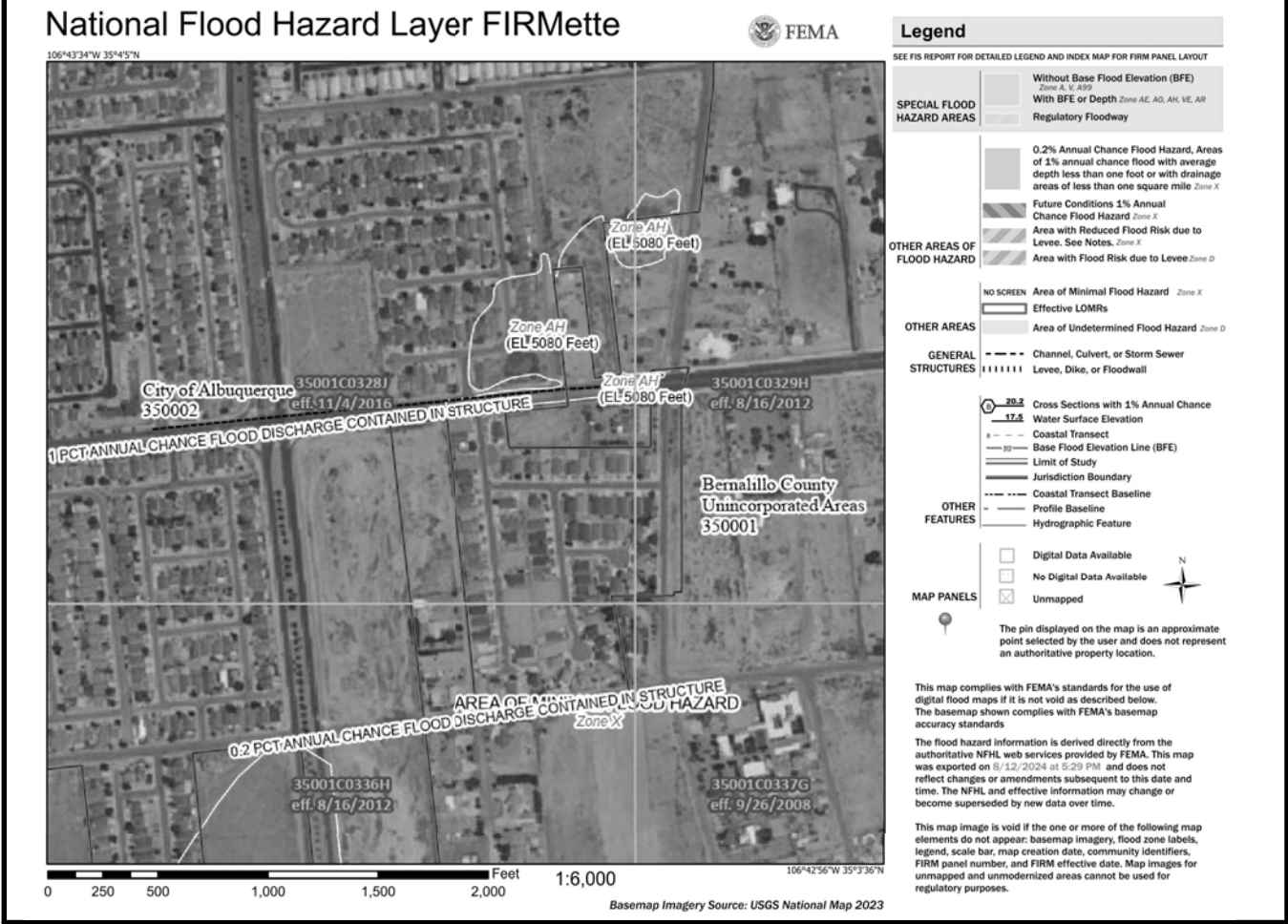
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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-10-Z

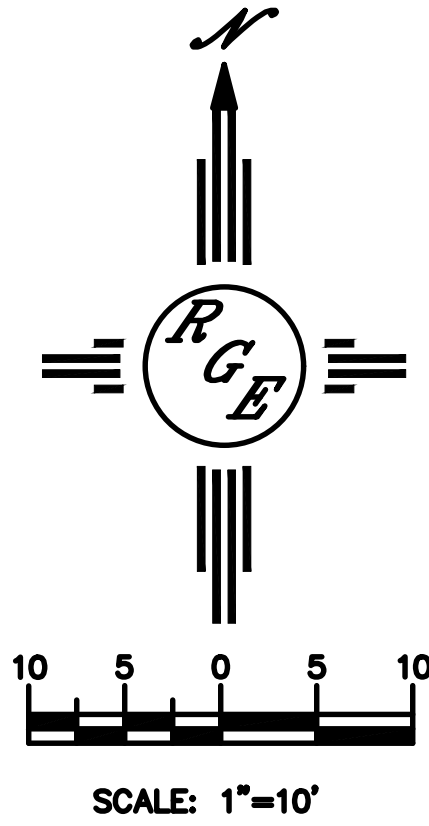


FIRM MAP:

LEGAL DESCRIPTION:
LOT 21-P1 STINSON PEAK 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 DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1983.
 5. LONG TERM MAINTENANCE 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 |



| | | |
|---|---|--------------|
| ENGINEER'S SEAL DAVID SOULE P.E. #14522 | LOT 21-P1 STINSON PEAK SUB 715 JACONITA PLACE SW | DRAWN BY DEM |
| | GRADING AND DRAINAGE PLAN | DATE 8-14-24 |
| | Rio Grande Engineering P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099 | SHEET # C1 |
| | | JOB # |