

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 7, 2025

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

RE: 13708 Poinsettia Ct. NE
Permanent C.O. – Accepted
Engineer's Certification Date: 4/25/25
Engineer's Stamp Date: 1/24/25
Hydrology File: L23D001E
Case # HYDR-2025-00147

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 04/25/2025 and the site visit on 5/7/2025, this letter serves an approval of the 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										
Basin	Area (sq ft)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D	
			% (acres)	% (acres)	% (acres)	% (acres)	% (acres)	% (acres)	% (acres)	% (acres)
EXISTING	18937.00	0.435	34%	0.148	23%	0.100	20%	0.0869	21%	0.091
PROPOSED	18937.00	0.435	10%	0.043	20%	0.087	24%	0.1043	46%	0.200
										2.090
										0.076
										1.31
										1.64

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 4

Ea= 0.76
Eb= 0.95
Ec= 1.2
Ed= 3.34
Qa= 2.09
Qb= 2.73
Qc= 3.41
Qd= 4.78

EXISTING DISCHARGE 1.31 CFS
PROPOSED DISCHARGE 1.64 CFS

Narrative

This site is within a fully developed subdivision. The subdivision is assigned free discharge and the down stream improvements we designed within drainage file L23-C1. The site is designed to drain to the adjacent roadways and conveyed to the Tijeras arroyo adjacent. This site is not impacted by upland flows and a water block is provided to maintain flows in the roadway.

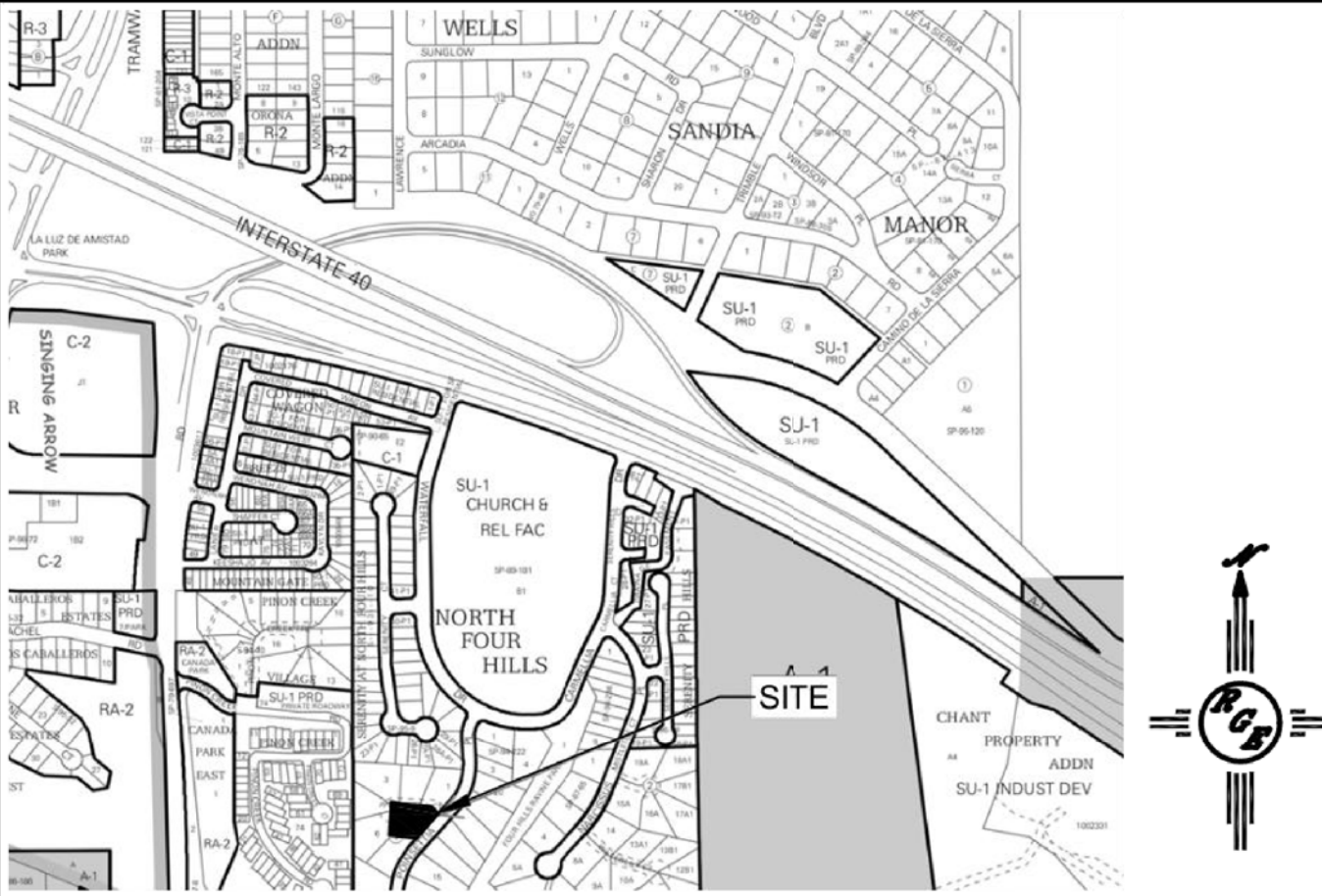
I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 1/24/25 . The certification is submitted in support of a request for CERTIFICATE 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.



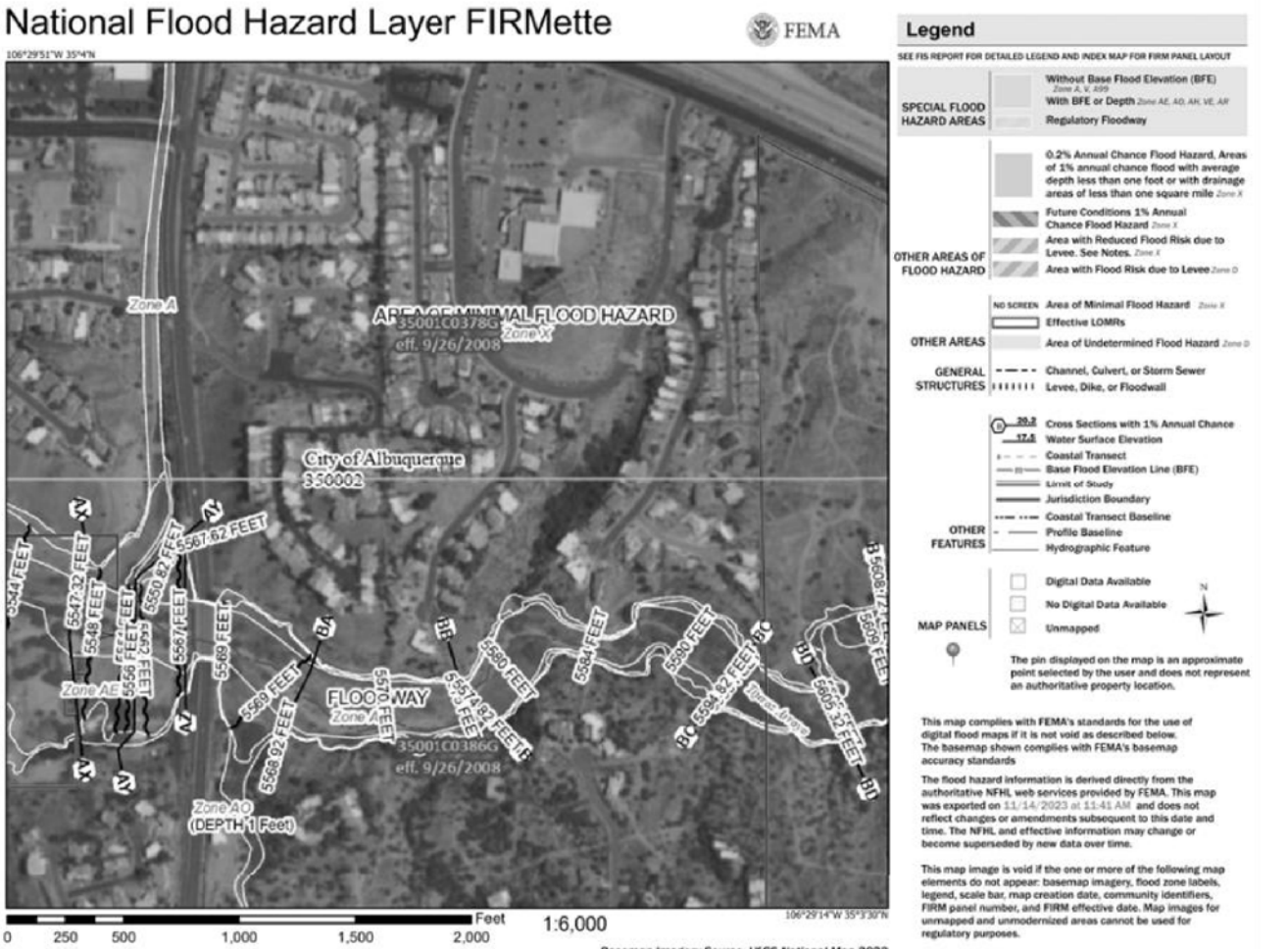
4/25/25

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-23-Z



FIRM MAP:

LEGAL DESCRIPTION:

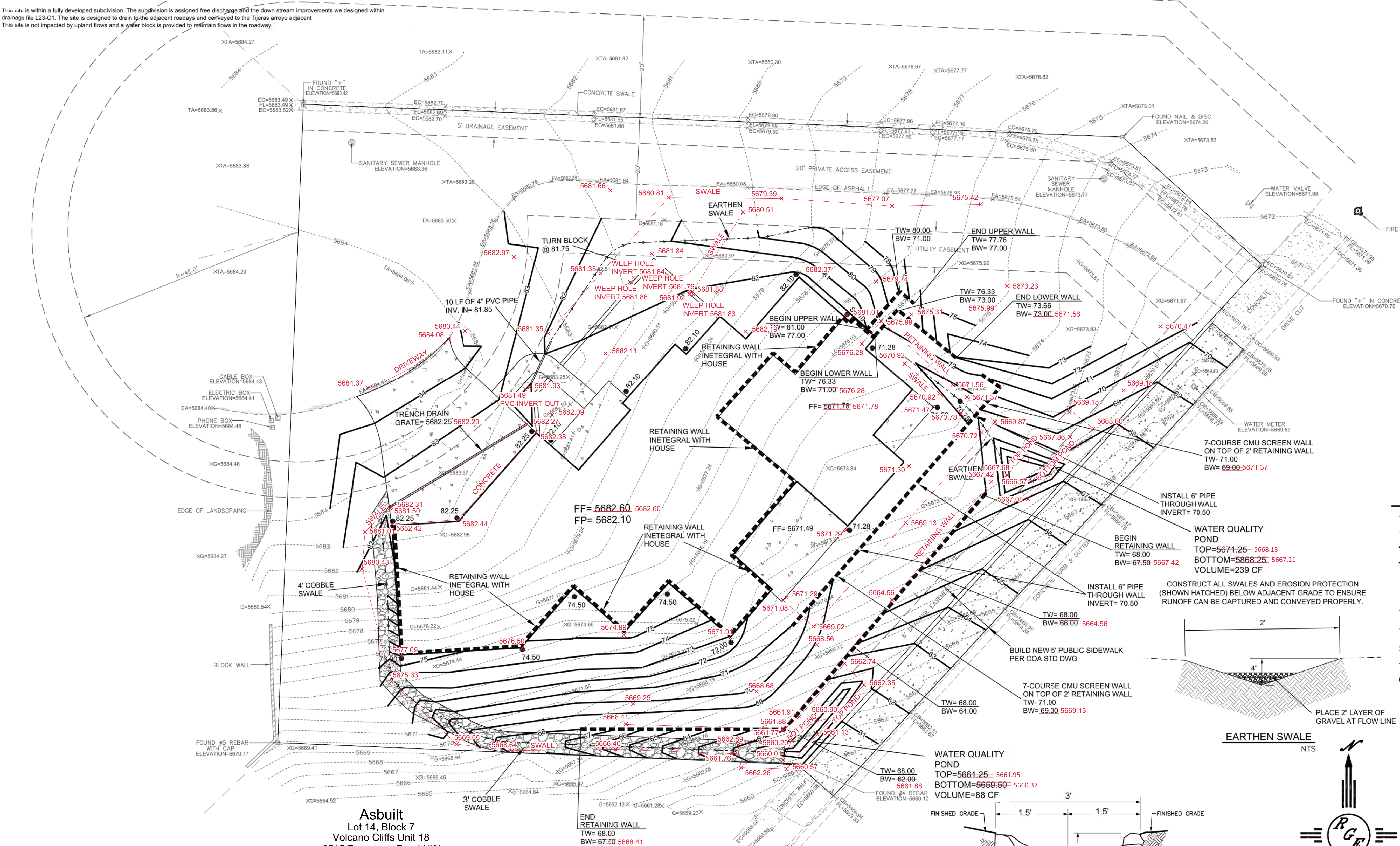
LOT 5 BLK 1 N FOUR HILLS SUBDIVISION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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 COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. 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 RETAINING WALL
- 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.

Date: 04/17/2025
Crew: LRC/DCA
Drafter: JMS
GPS: PRIMO
JN: N2024-030
Asbuilt Legend
elevx Asbuilt Elevation
Data strikeout

Community Sciences Corporation
Land Surveying
(505) 897.0000

SCALE: 1"=10'

1/24/25
1/15/25

LOT 5 BLK 1 N FOUR HILLS SUB
13708 POINSETTIA PLACE SE

GRADING AND DRAINAGE PLAN

Rio Grande Engineering
PO BOX 93824
ALBUQUERQUE, NM 87199
(505) 321-9089

DRAWN BY DEM
DATE 11-23-23
SHEET # C1
JOB #