

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

November 19, 2025

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

RE: 5000 Cresta Del Sur Ct NE
Permanent C.O. – Accepted
Engineer's Certification Date: 11/14/25
Engineer's Stamp Date: 9/3/24
Hydrology File: F23D016
Case # HYDR-2025-00405

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 11/14/2025 and the site visit on 11/18/2025, this letter serves an approval of the Engineer's 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

SITE HYDROLOGY

Weighted E Method
per city of Albuquerque Development Process Manual- chapter 22

Basin	Area (sf)	Area (acres)	Treatment A				Treatment B				Treatment C				Treatment D				100-Year, 6-hr.		10-day	
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)		
EXISTING	14664.00	0.337	50%	0.1683	50%	0.168	0%	0	0%	0.000	0.855	0.024	0.81	0.024								
ALLOWED	14664.00	0.337	0%	0.0000	26.0%	0.08753	48%	0.162	2.162	0.061	1.31	0.082										
PROPOSED	14664.00	0.337	0%	0.0000	27.0%	0.091	26.0%	0.08753	47%	0.158	2.138	0.060	1.30	0.081								

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

ALLOWED DISCHARGE 0.082 CFS
PROPOSED DISCHARGE 0.081 CFS

DRAINAGE NARRATIVE
THIS SITE IS GOVERNED BY THE TRAIL HEAD SUBDIVISION(F23-D7) THE DOWN STREAM IMPROVEMENTS ARE IN PLACE. THE PROPOSED PROJECT WILL BE A SINGLE FAMILY RESIDENTIAL HOUSE. PER THE APPROVED MASTER PLAN, THE SITE MUST MATCH THE PROPOSED 100-YEAR, 6-HOUR PEAK DISCHARGE RATE ASSIGNED IN THE MASTER PLAN

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 9/30/2024
BY: [Signature]
Hydrologist # F23D016

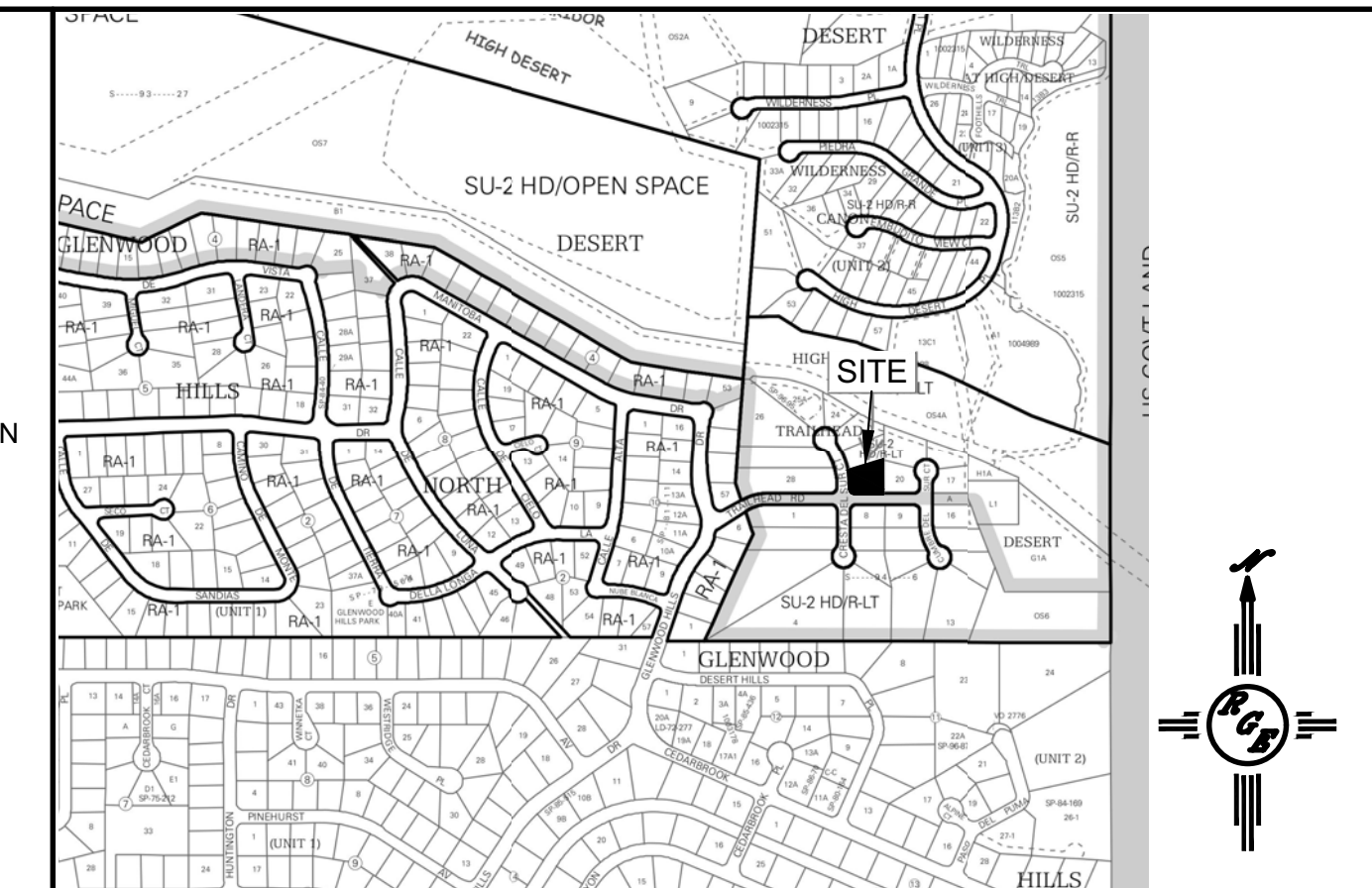
THIS APPROVAL OF THESE PLANS DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF ANY DATA OR INFORMATION PROVIDED BY THE CLIENT OR ANY OTHER PARTY. THE CITY OF ALBUQUERQUE AND THE HYDROLOGIST SHALL NOT BE LIABLE FOR DAMAGES OF ANY KIND, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THESE PLANS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE HYDROLOGIST.

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

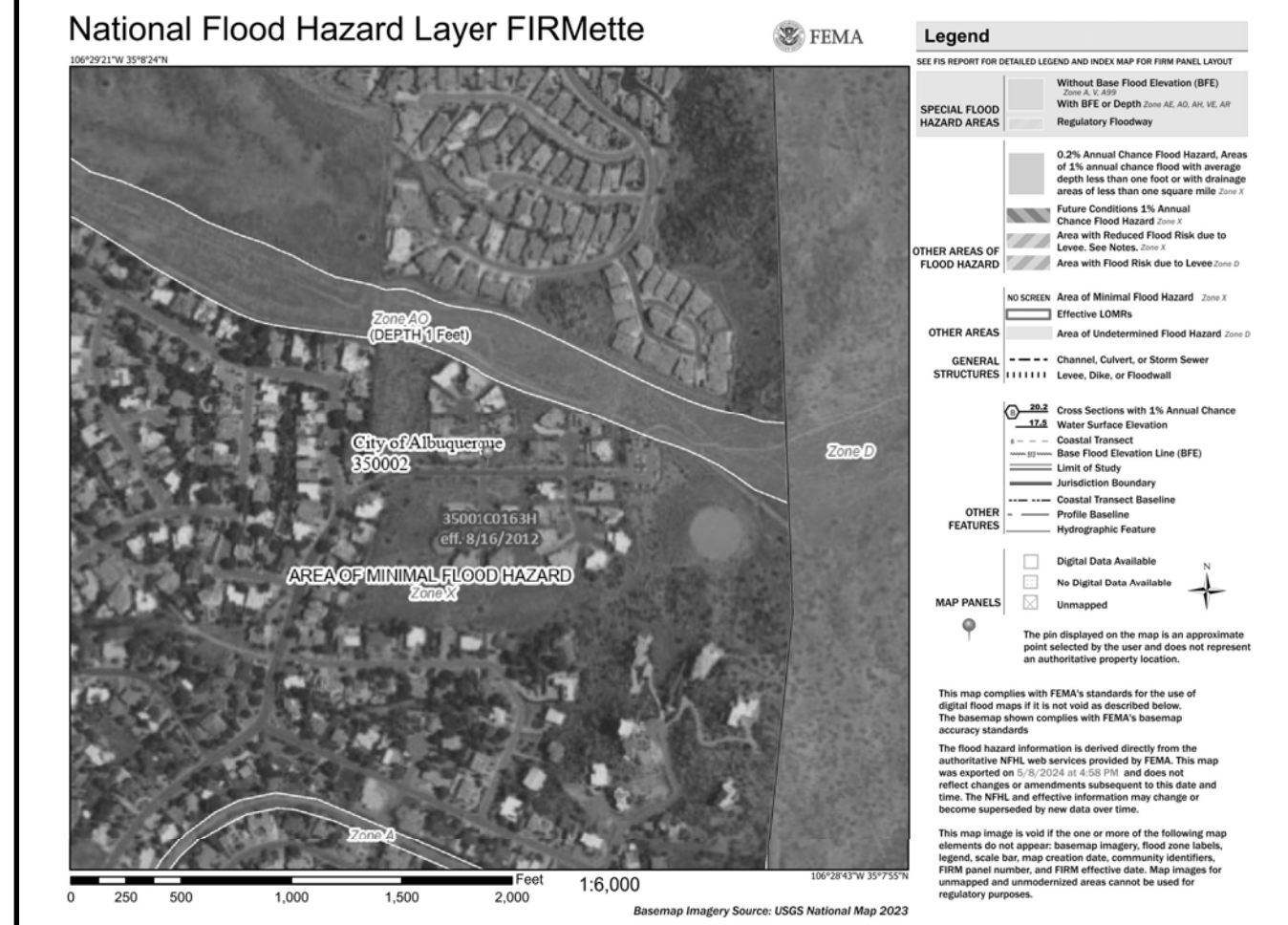
EROSION CONTROL NOTES:

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.

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 9/3/24. 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.



VICINITY MAP: F-23-Z



FIRM MAP:

LEGAL DESCRIPTION:

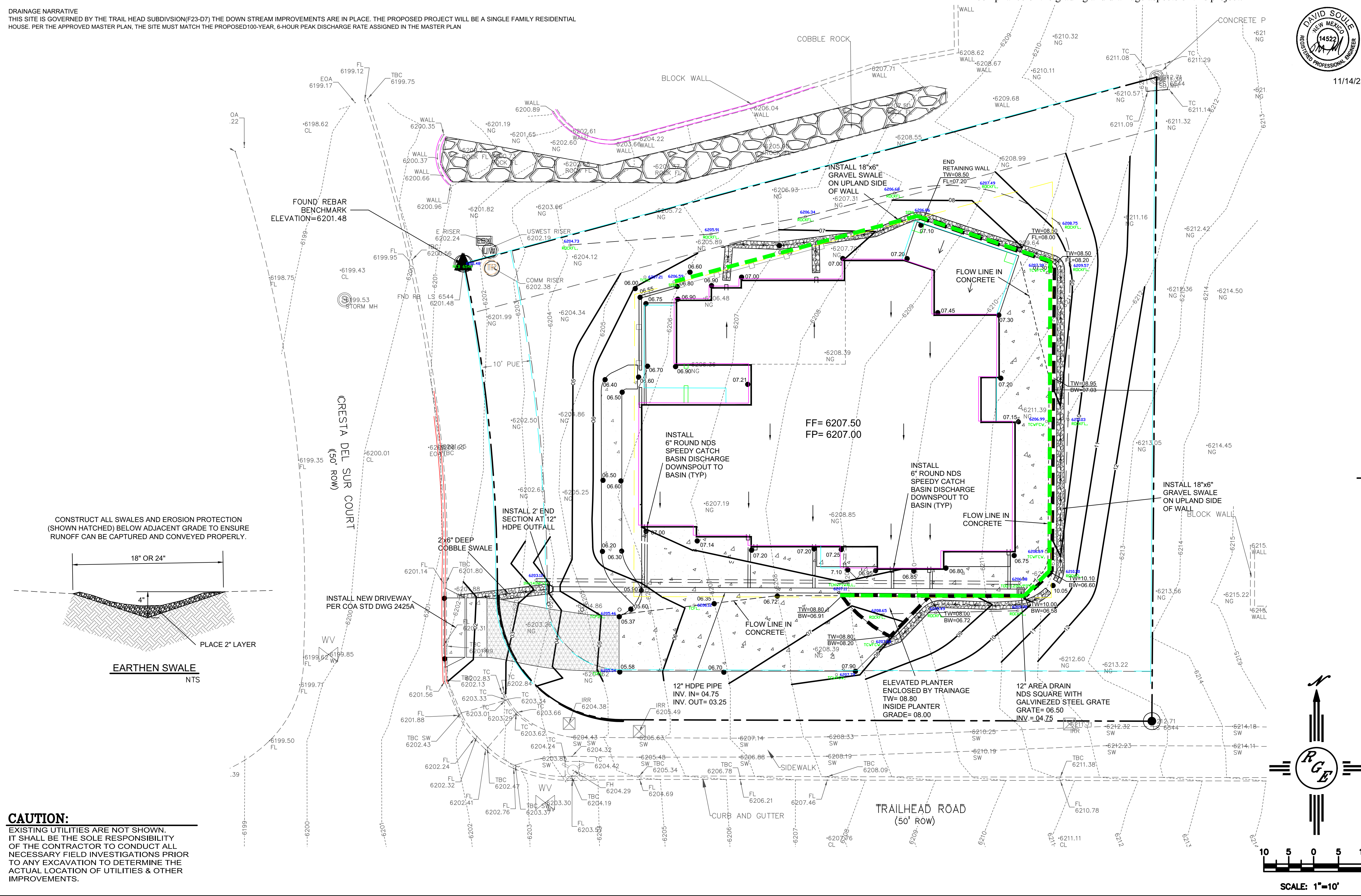
LOT 21 TRAILHEAD SUBDIVISION
CITY OF ALBUQUERQUE, BERNILLO COUNTY, NEW MEXICO

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. ALL AREAS DISTURBED DURING CONSTRUCTION OUTSIDE OF THE BUILDING AREA MUST BE REVEGETATED USING THE HIGH DESERT RECLATION SEED MIX
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 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

- XXXXX ----- EXISTING CONTOUR
- XXXXX ----- EXISTING INDEX CONTOUR
- XXXXX ----- PROPOSED CONTOUR
- XXXXX ----- PROPOSED INDEX CONTOUR
- XXXXX EXISTING SPOT ELEVATION
- XXXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER
- PROPOSED EARTHEN SWALE
- PROPOSED LOW POINT TO ALLOW FLOW
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE



DAVID SOULE
NEW MEXICO
14522
REGISTERED PROFESSIONAL ENGINEER

11/14/25

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.

RGE

SCALE: 1"=10'

ENGINEER'S SEAL	LOT 21 TRAILHEAD SUB. 5000 CRESTA DEL SUR CT	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 8-31-24
		500 Cresta Del Sur Ct. DWG
	RIO GRANDE ENGINEERING P.O. BOX 53204 ALBUQUERQUE, NM 87199 (505) 321-8099	SHEET # C1
DAVID SOULE P.E. #14522		JOB #