

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

May 28, 2021

David Soule, PE
Rio Grande Engineering
1606 Central SE Suite 201
Albuquerque, NM 87106

RE: 5015 Midnight Vista NW
Permanent C.O. - Approved
Engineer's Certification Date: 5/26/21
Engineer's Stamp Date: 6/28/20
Hydrology File: B11D002B

Dear Mr. Soule:

PO Box 1293

Based on the certification received 5/27/21 and a site visit on 5/28/21, this certification is approved for Permanent Certificate of Occupancy by Hydrology.

Albuquerque

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

Sincerely,

NM 87103

www.cabq.gov

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 5015 Midnight Vista NW **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: LOT 34P1 LOT A PARADISE BLUFF

City Address: 5015 Midnight Vista NW

Applicant: STEVE CHAVEZ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: _____ PLAT ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

☒ ENGINEER/ARCHITECT CERTIFICATION
☐ PAD CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE REPORT
☐ DRAINAGE MASTER PLAN
☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
☐ ELEVATION CERTIFICATE
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ STREET LIGHT LAYOUT
☐ OTHER (SPECIFY) _____
☐ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY

☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL

☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ FLOODPLAIN DEVELOPMENT PERMIT
☐ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	100-Year, 6-hr.	
									Flow cfs	
ALLOWED	7886.00	0.181	0%	0	11%	0.020	11%	0.0199	79%	0.143
PROPOSED	7886.00	0.181	0%	0	15%	0.027	23%	0.0416	62%	0.112
COMPARISON									1.954	0.029
									1.717	0.026
										-0.004

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= 0.73	Qb= 2.16
Ec= 0.95	Qc= 2.87
Ed= 2.24	Qd= 4.12

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	0	246
FLOOD CONTROL	-156	246

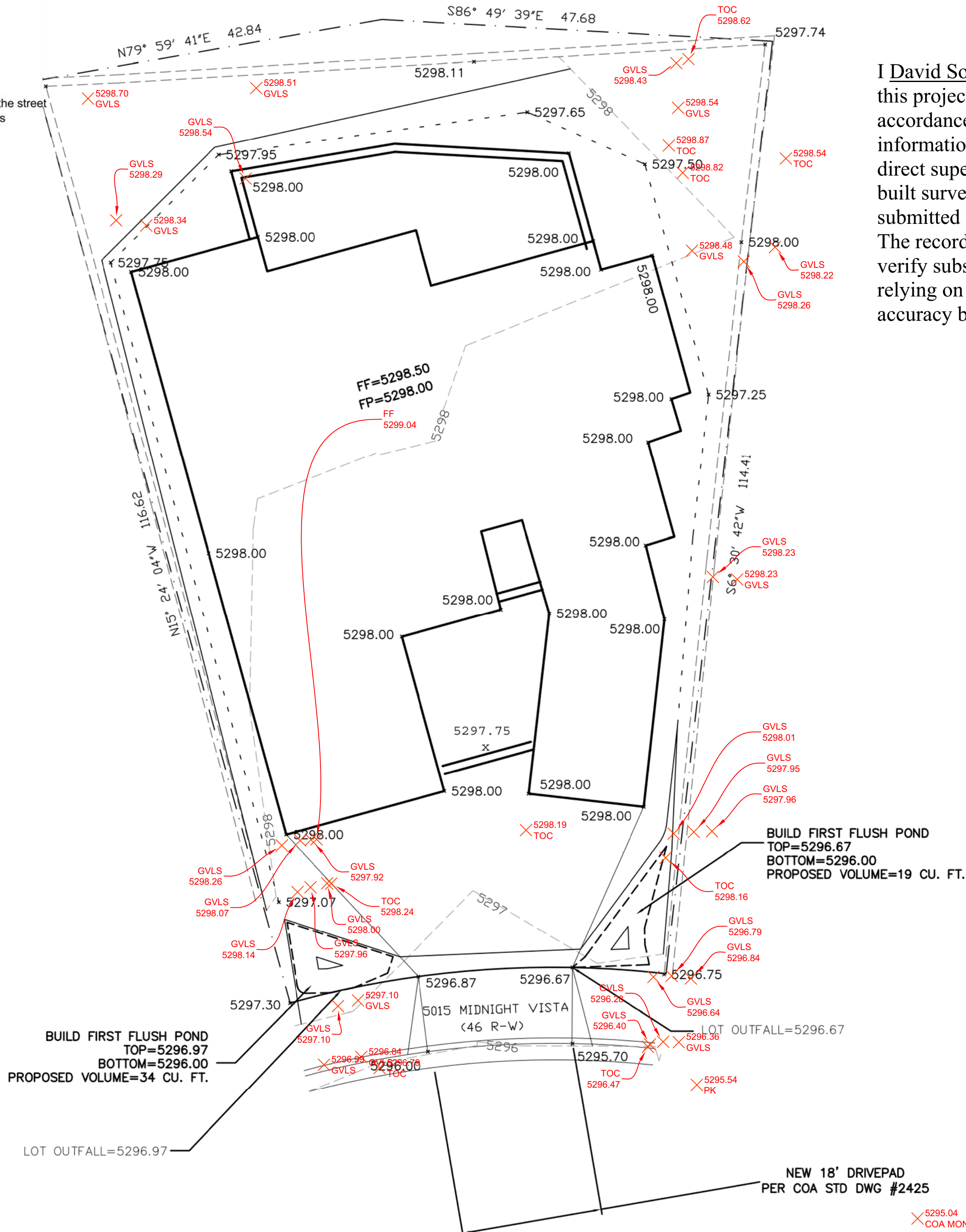
Narrative

This site is within the boundaries of Paradise Bluff (B11-D002). The site is part of Basin E-1 and is programed to drain to the street there is no upland flow. This plan conforms to the allowed impervious area of 5830 sf utized in basin E-1 runoff calculations This plan is in conformance to the master drainage plan

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED11/5/20

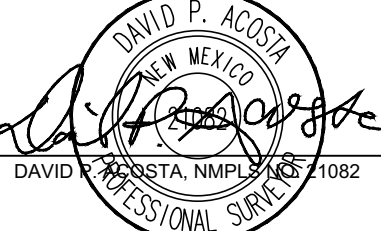


11/18/20



SURVEYOR'S CERTIFICATE:

I, DAVID P ACOSTA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21082, DO HEREBY CERTIFY THAT THIS AS-BUILT SURVEY WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO



05-26-21

DATE

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.

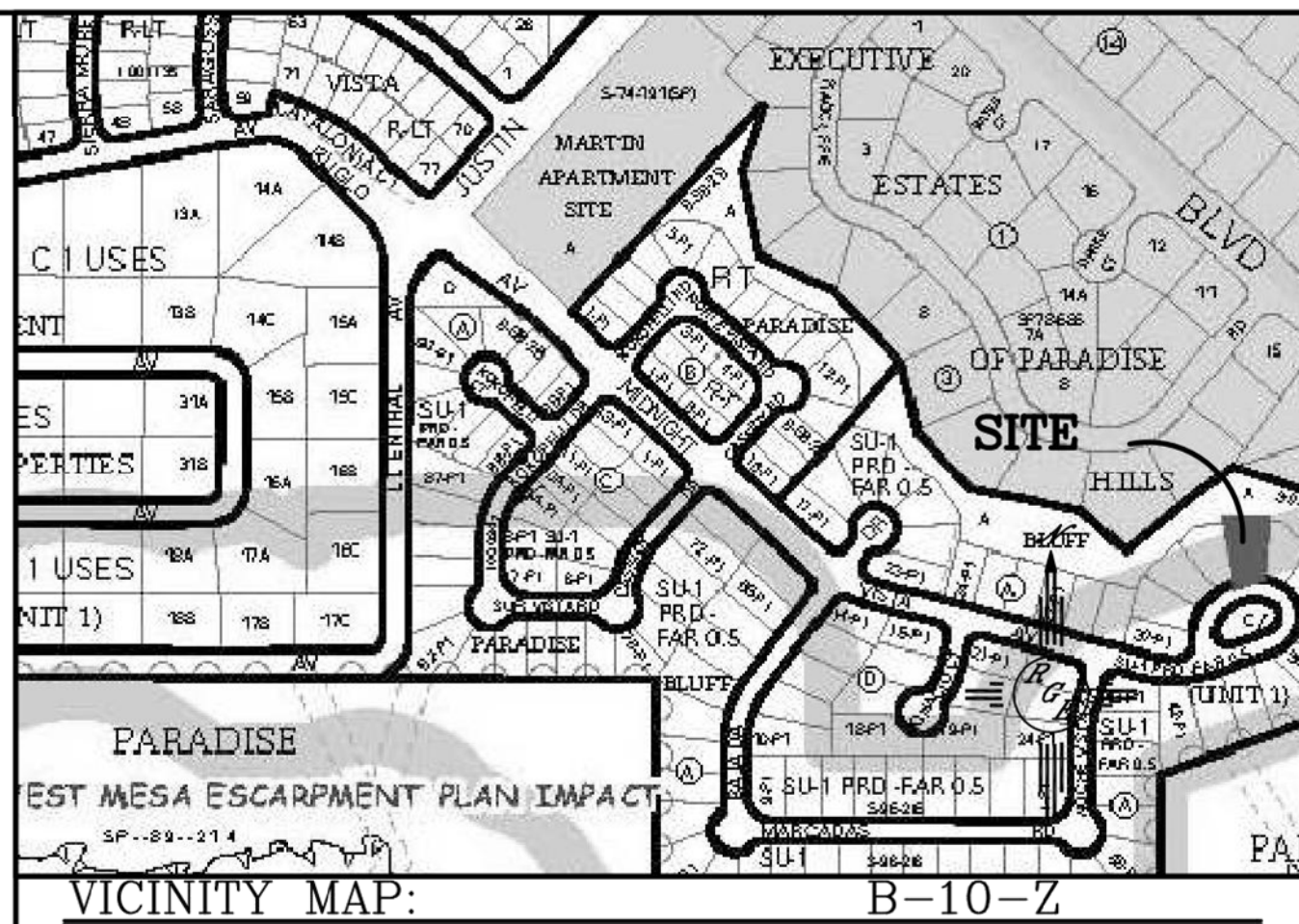
EROSION CONTROL NOTES:

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.

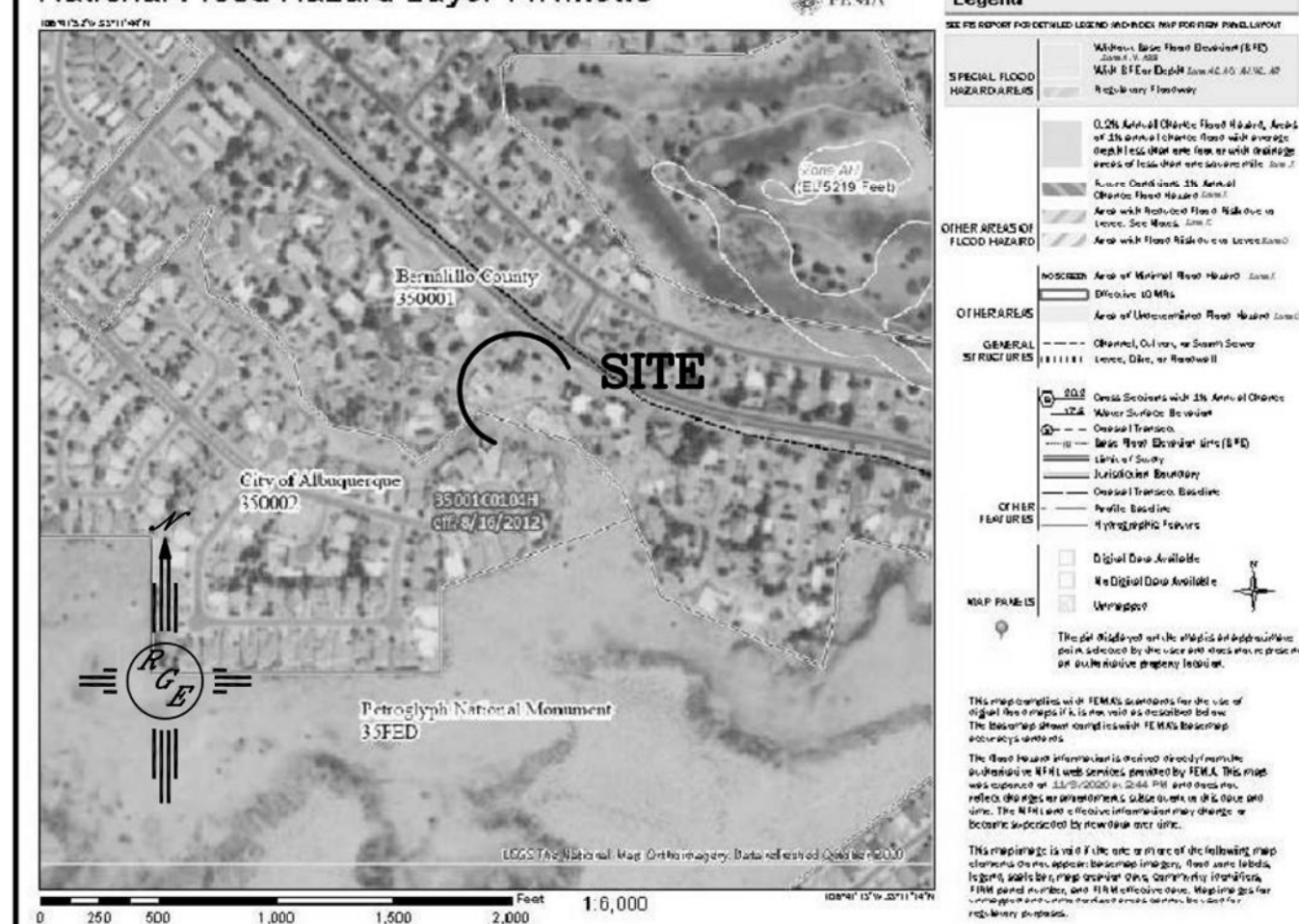
I David Soule, NMPE 14522 , of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 11/5/20 . The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by DAVID ACOST NMPLS 21082 . The certification is submitted in support of a request for PERMANENT CERTIFICATE OF 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. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose



5/26/21



National Flood Hazard Layer FIRMette



FIRM MAP:

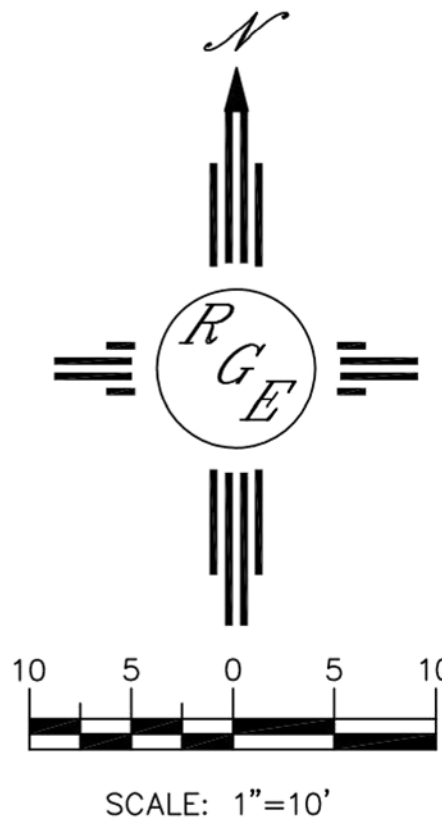
LEGAL DESCRIPTION:

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.

LEGEND

---	EXISTING CONTOUR
- - - -	EXISTING INDEX CONTOUR
----	PROPOSED CONTOUR
----	PROPOSED INDEX CONTOUR
---	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
----	BOUNDARY
----	CENTERLINE
----	RIGHT-OF-WAY
----	1' WIDE X 4" DEEP GRAEL SWALE
=====	EXISTING CURB AND GUTTER
=====	PROPOSED CMU SCREEN WALL-18" MAX. RETAINAGE



ENGINEER'S SEAL 11/5/20 DAVID SOULE P.E. #14522	5015 MIDNIGHT VISTA	DRAWN BY: WCMJ
	GRADING AND DRAINAGE PLAN	DATE: 11-05-20 2102091-LAYOUT-11-05-20
 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0998		SHEET #
		JOB # 2102091