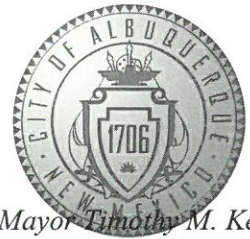


CITY OF ALBUQUERQUE

Planning Department
Brennan Williams, Director



Mayor Timothy M. Keller

March 23, 2020

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

RE: **Lot 39 Block 6 Volcano Cliffs Unit 22 SAD 228**
6504 Papagayo Rd. NW
Grading and Drainage Plan
Engineers Stamp Date 11/23/19 (D10D003O3)
Pad Certification Date 3/19/20

Dear Mr. Soule,

Based upon the information provided in your submittal received 3/20/20, this plan is approved for Building Permit.

Please inform the builder/owner to attach a copy of this approved plan and this letter to the construction sets in the permitting process prior to sign-off by Hydrology.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan dated 11/23/19 and Pad Certification Date 3/19/20.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

Ernest Armijo, P.E.
Principal Engineer, Hydrology
Planning Department

RR/SB
C: File D10D003O3



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6504 Papagayo **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: lot 3, Block 8 Volcano Cliffs Unit 18
City Address: 6504 papagayo

Applicant: Louis Q **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		Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr.		Flow cfs
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	
ALLOWED	14050.00	0.323	0%	0	20%	0.065	46%	0.1484	34%	0.110	1.259	0.034	1.04
PROPOSED	14050.00	0.323	0%	0	20%	0.065	44%	0.1419	36%	0.116	1.279	0.034	1.05
COMPARISON												0.001	

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=	0.44	Qa=	1.29
Eb=	0.67	Qb=	2.03
Ec=	0.99	Qc=	2.87
Ed=	1.97	Qd=	4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	0	296
FLOOD CONTROL	23	296

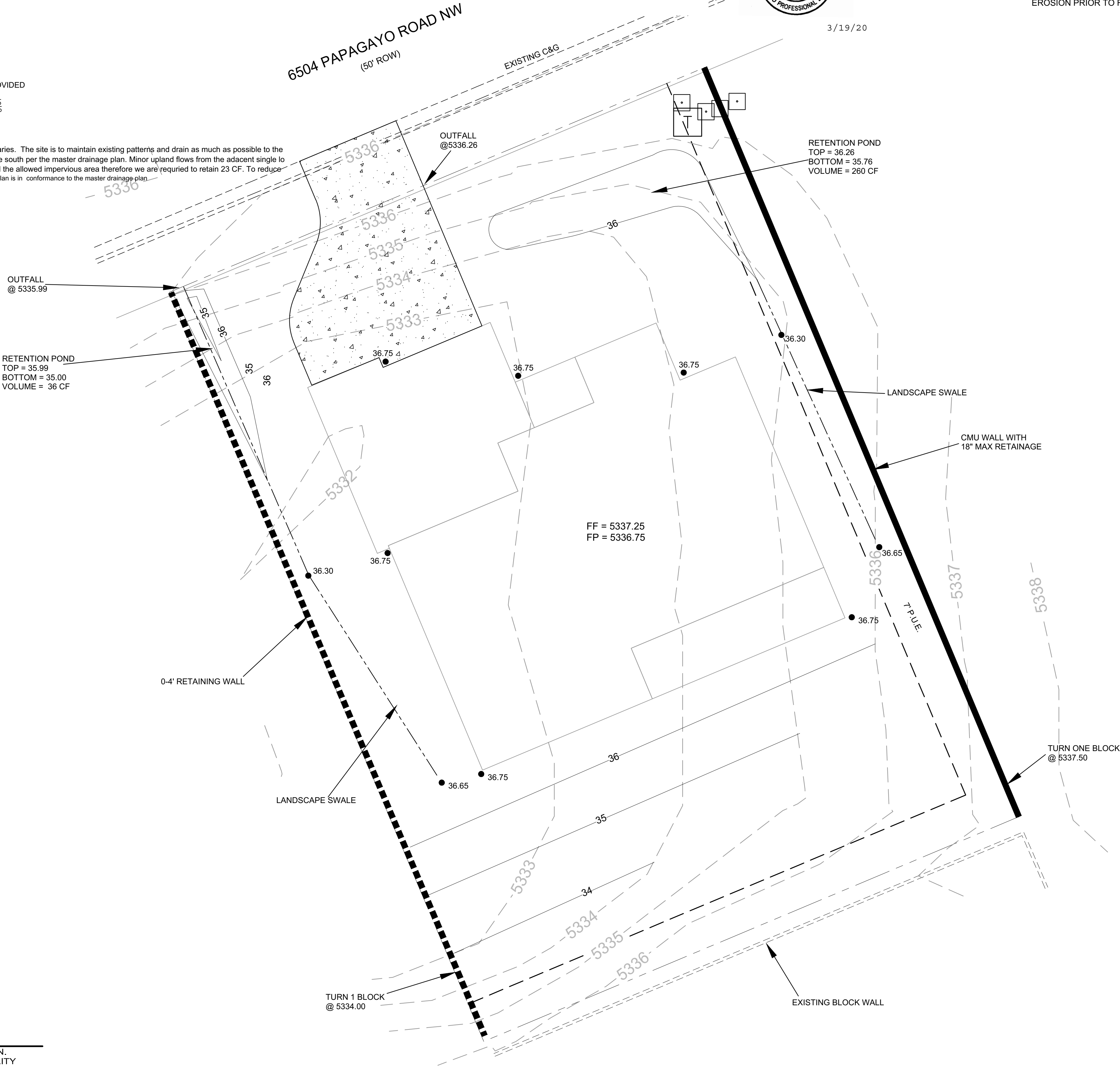
Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain as much as possible to the adjacent roadway with the remainder of the lot draining to the south per the master drainage plan. Minor upland flows from the adjacent single lo will be allowed pass through the site. This plan does exceed the allowed impervious area therefore we are required to retain 23 CF. To reduce the amount of import the site contains ponds that retain 296 cf. 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 DATED 11/23/19



3/19/20

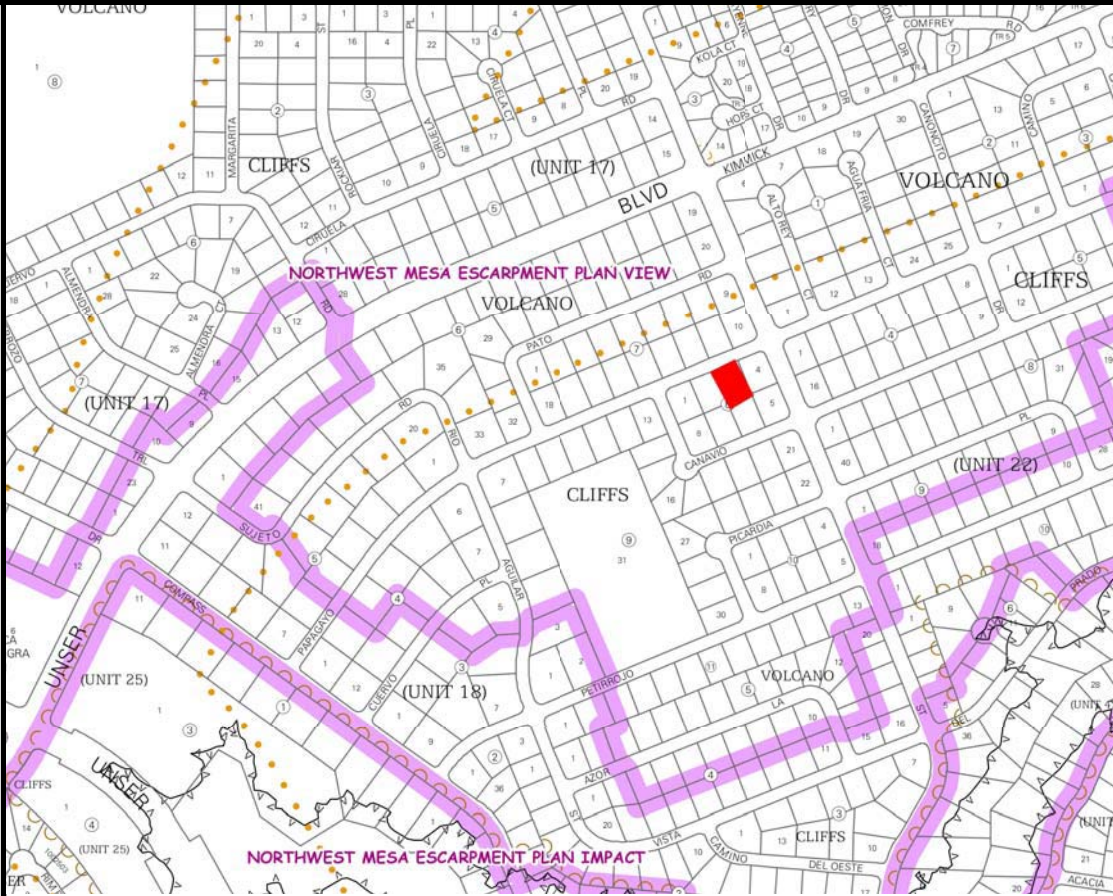


CAUTION:

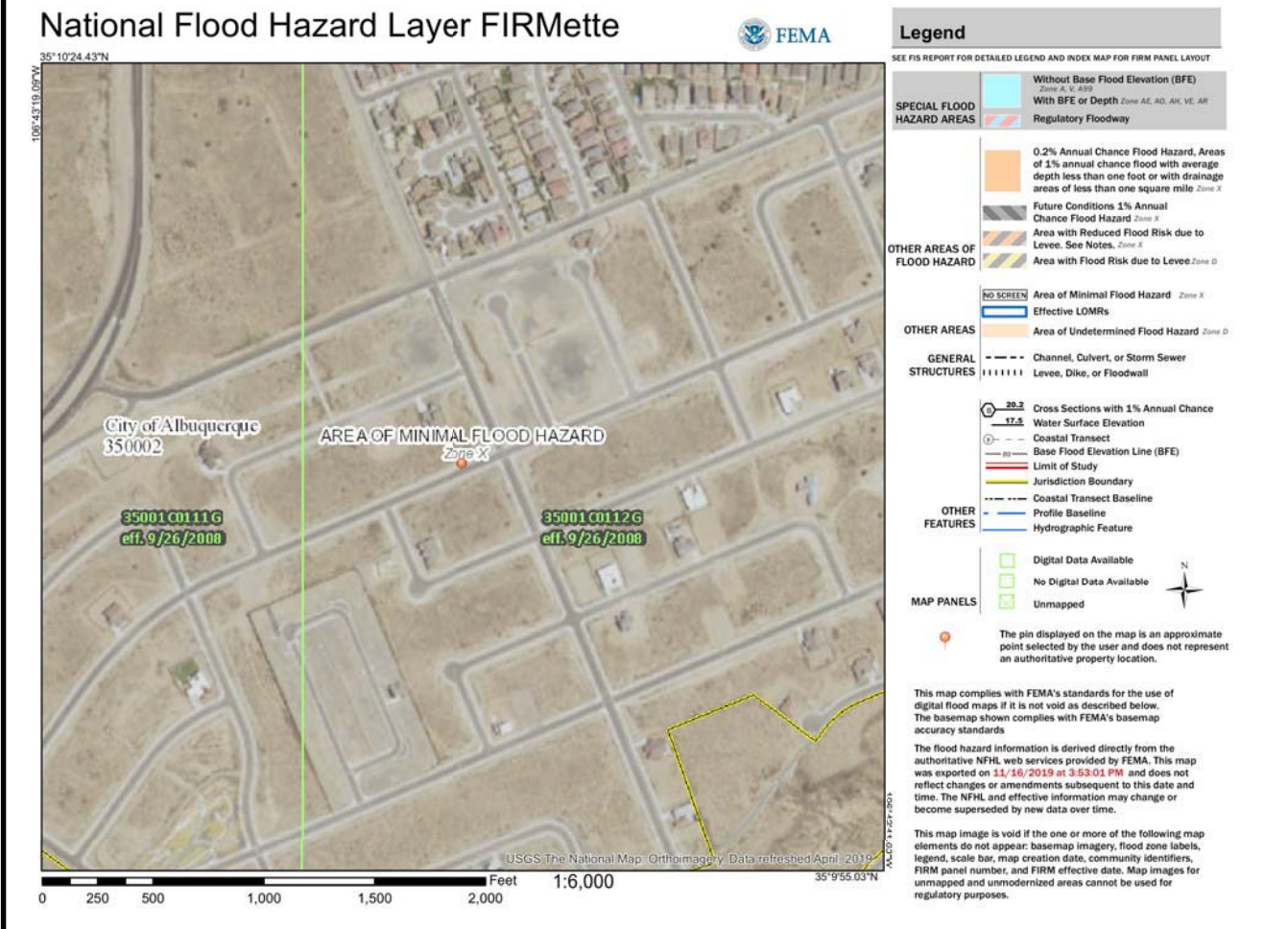
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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: D-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

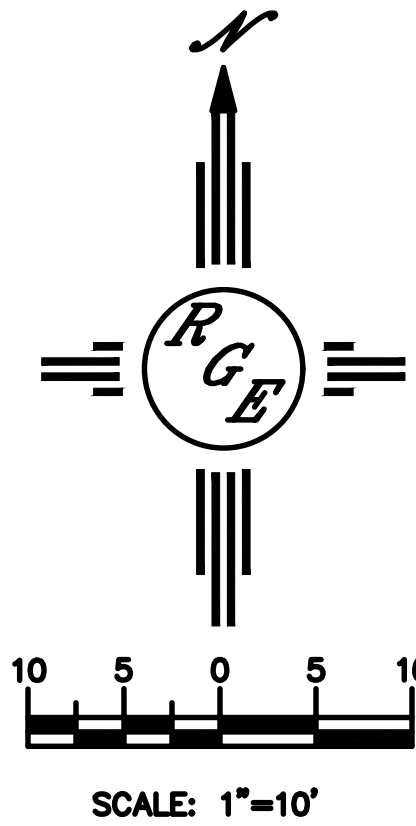
LOT 2, BLOCK 8, UNIT 18 VOLCANO CLIFFS SUBDIVISION
BERNALILLO COUNTY, CITY OF ALBUQUERQUE, NEW MEXICO

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

---	EXISTING CONTOUR
- - - -	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
+ XXXX	EXISTING SPOT ELEVATION
● XXXX	PROPOSED SPOT ELEVATION
---	BOUNDARY
---	PROPOSED EARTHEN SWALE
---	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
[Pattern]	PROPOSED GRAVEL DRIVEWAY
[Pattern]	PROPOSED CONCRETE DRIVEWAY



ENGINEER'S SEAL	LOT2 BLK8 U18 VOLCANO CLIFFS SUB 6504 PAPAGAYO ROAD N.W.	DRAWN BY DEM
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11/23/19	GRADING AND DRAINAGE PLAN	DATE 11-20-19
	Rio Grande Engineering 1608 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0899	6504 PAPAGAYO RD LOT 3 BLK8 U18 VIC DING
		SHEET # C1
		JOB #