



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 7924 Victoria NW **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 16 BLOCK 5 VOLCANO CLIFFS UNIT 2
City Address: 7924 Victoria NW

Applicant: DR HORTON **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: _____

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

August 2, 2021

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

RE: **Lot 16 Block 5 S.A.D. 227 Unit 2**
7924 Victoria NW
Revised Grading and Drainage Plan
Engineers Stamp Date 7/30/2021 (E10D105)

Mr. Soule,

Based upon the information provided in your submittal received 7/30/2021, this plan is approved for Grading Permit. This will now be the plan to use going forward. Please inform the builder/owner to attach a copy of this approved plan and letter into the construction sets in the permitting process prior to sign-off by Hydrology.

Reiterate to the Owner/Contractor that a separate permit for any garden/retaining wall must be obtained, with the approved G&D plan. Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.
Also, let the owner/contractor know that if a pool is to be added in the future the G&D plan will need to be modified showing the location of the pool and the land treatment differences.

Prior to Building Permit approval, a **Pad Certification** will be required. Inform the contractor/owner not to pile dirt in the street as a ramp to climb the curb. If dirt is found in the street the pad cert. will be denied.

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, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment B (acres)	Treatment C %	Treatment D (acres)	Weighted E (ac-ft)	100-Year, 6-hr.		24 hour Volume (ac-ft)
								Volume (ac-ft)	Flow cfs	
ALLOWED	11525.00	0.265	0%	0	20%	0.053	46%	0.1217	34%	0.090
PROPOSED	11525.00	0.265	0%	0	20%	0.053	39%	0.1032	41%	0.108
REAR SUB BASIN	2664.00	0.061	0%	0	30%	0.018	70%	0.0428	0%	0.000
COMPARISON								0.894	0.005	0.16
								0.002		-0.002

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

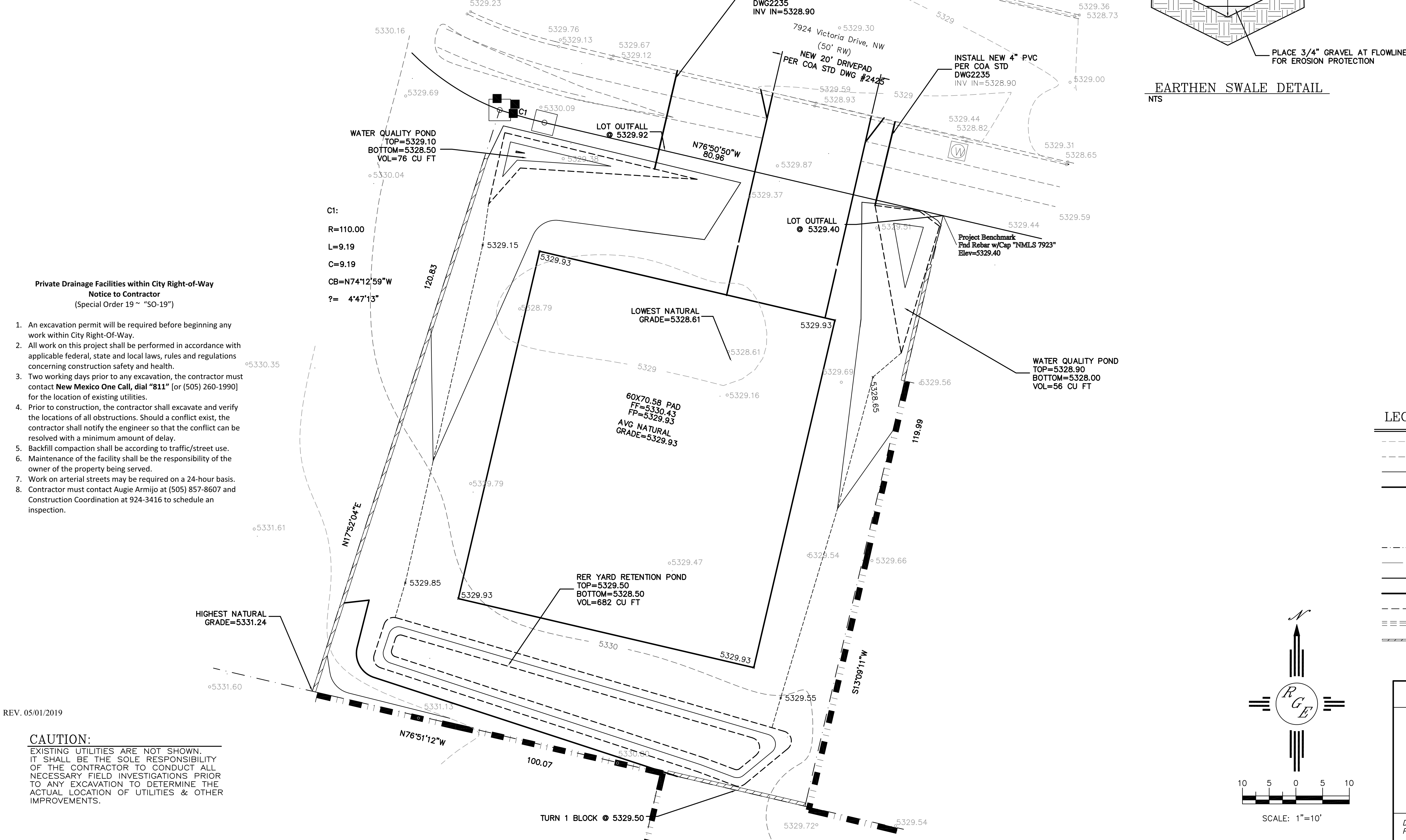
Ea= 0.44	Qa= 1.29
Eb= 0.67	Qb= 2.03
Ec= 0.99	Qc= 2.87
Ed= 1.97	Qd= 4.37

ONSITE Conditions

DRAINAGE SUMMARY

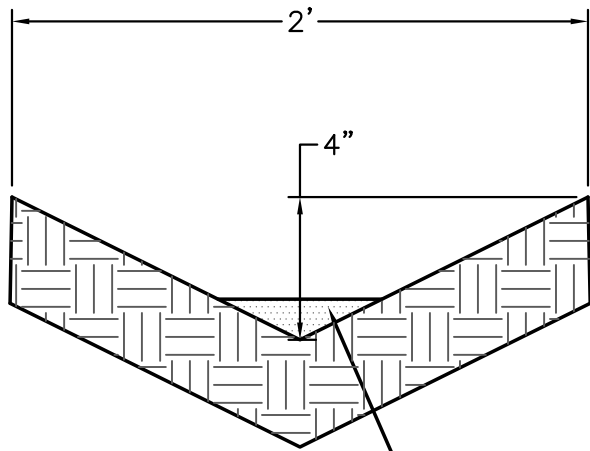
	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	0	814
FLOOD CONTROL(ENTIRELOT)	66	814
FLOOD CONTROL(REARONLY)	198	814
Narrative		

This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the roadway to the north per the master drainage plan. The site does exceed the SAD 228 developed conditions assumptions, therefore ponding of 66 cfs is required. Due to existing rear grades being lower than street the rear yard will retain the entire 198 cf generated existing wall appears to prevent cross lot drainage, any flow from the upland north is allowed to enter and pass across site to west. This plan is in conformance to the master drainage plan



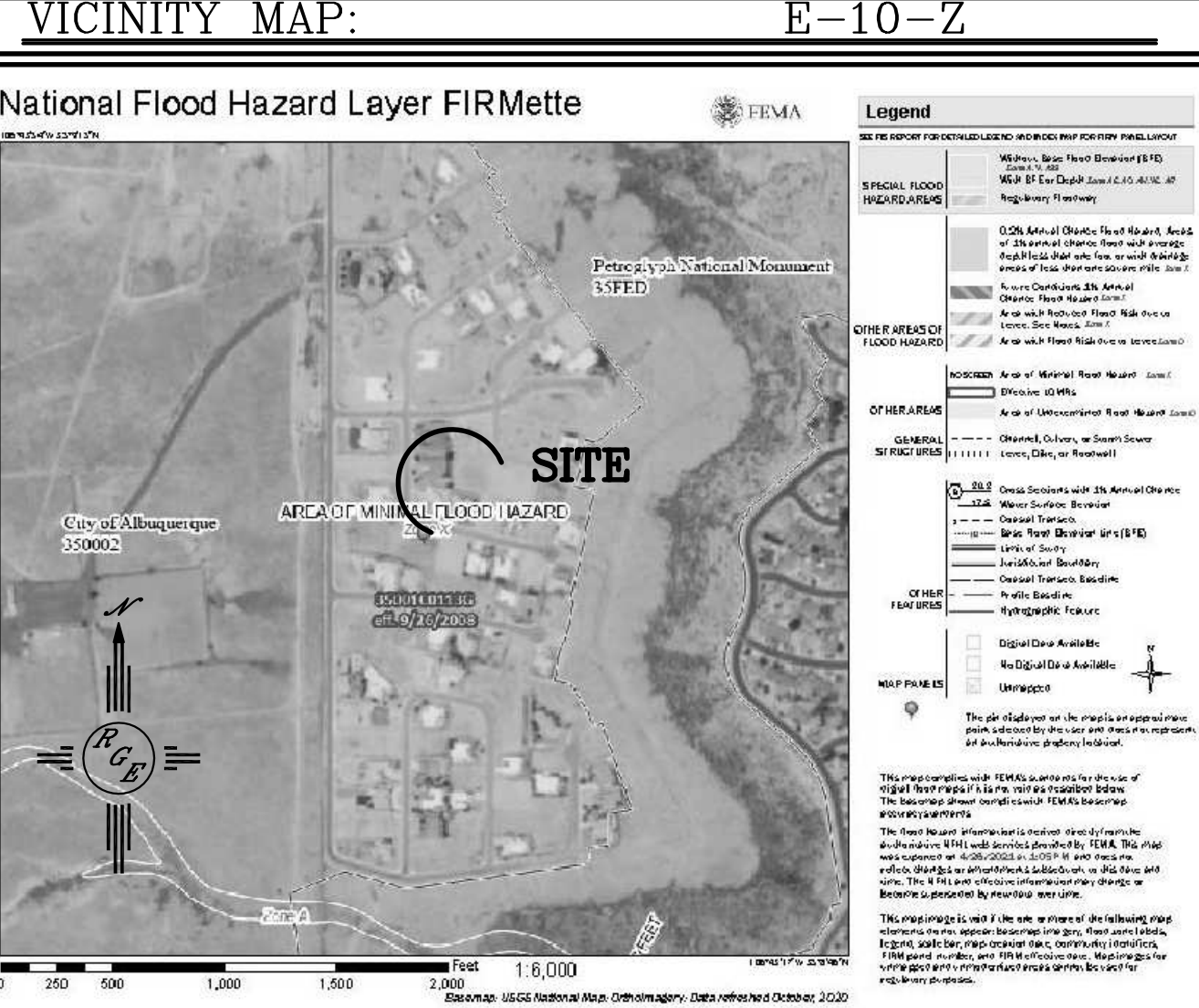
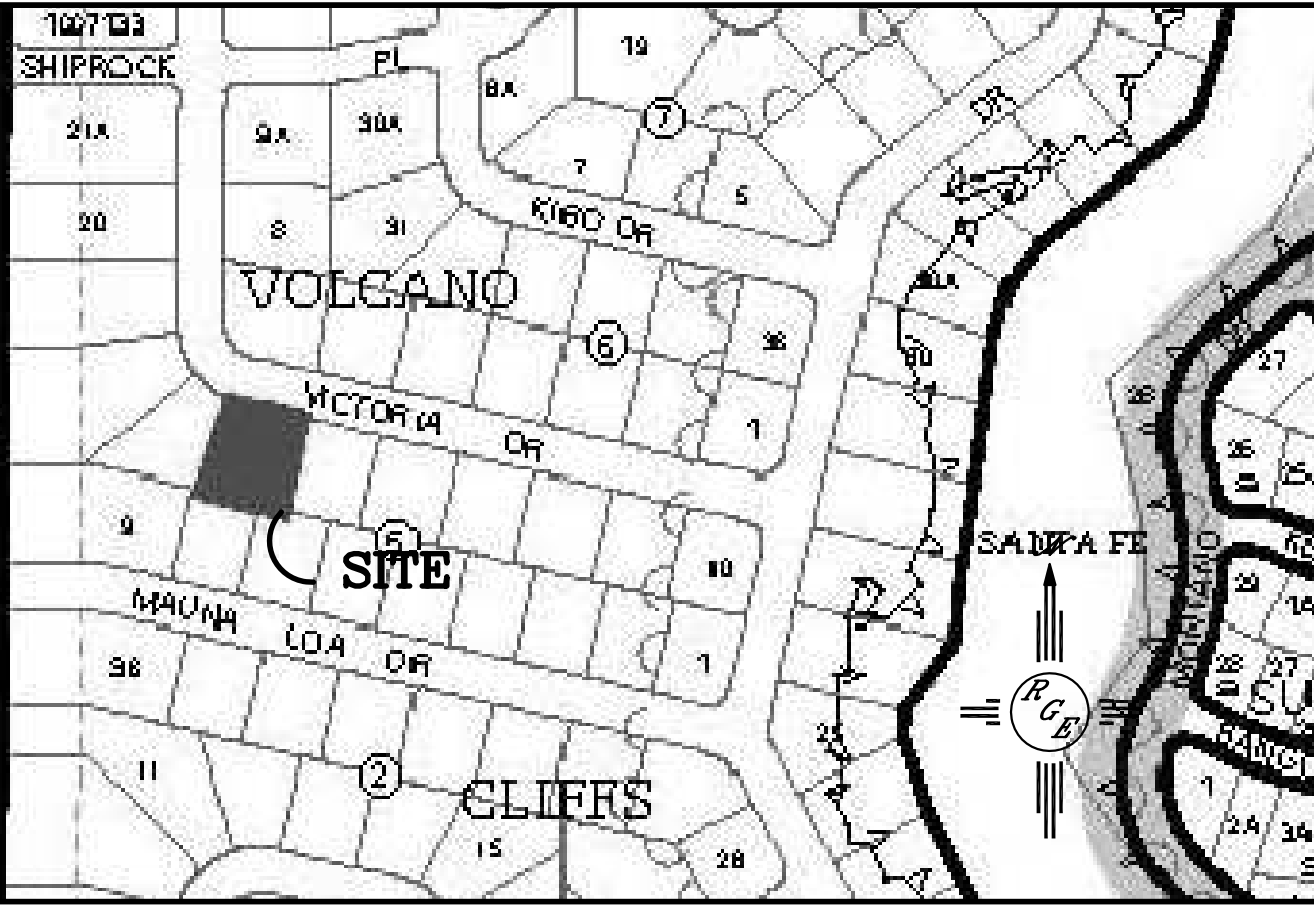
EROSION CONTROL NOTES:

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.



EARTHEN SWALE DETAIL

NTS



FIRM MAP:

LEGAL DESCRIPTION:


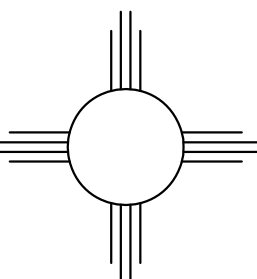
Lot 16, Block 5, Volcano Cliffs Subdivision, Unit 2

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
+	EXISTING SPOT ELEVATION
+	PROPOSED SPOT ELEVATION
---	LOT LINE
---	CENTERLINE
---	RIGHT-OF-WAY
---	PROPOSED 4" PVC SD
---	GRAVEL LINED SWALE
---	EXISTING CURB AND GUTTER
---	PROPOSED CMU RETAINING WALL-DESIGN BY OTHERS 18" MAX RETAINAGE

ENGINEER'S SEAL  7/30/21 DAVID SOULE P.E. #14522	7924 VICTORIA	DRAWN BY: WCVJ
	GRADING AND DRAINAGE PLAN	DATE: 4-27-21
 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999		210210044-LAYOUT-4-27-21
		SHEET #
		JOB # 21021044

REV. 05/01/2019

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.