

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

March 24, 2021

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

RE: **Lot 24 Block 5 S.A.D. 227 Unit 5**  
**8008 Victoria Dr. NW**  
**Grading and Drainage Plan Revised**  
**Engineers Stamp Date 3/24/2021 (E10D94)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 3/24/2021, this plan is approved for Grading Permit. 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



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 8008 VICTORIA DR NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** LOT 24, BLOCK 5 VOLCANO CLIFFS UNIT 5

**City Address:** 8008 VICTORIA DR NW

**Applicant:** \_\_\_\_\_ **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

											100-Year, 6-hr.			24 hour
Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
	(sf)	(acres)	% (acres)	% (acres)	% (acres)	% (acres)	% (acres)	% (acres)						
ALLOWED	21595.00	0.496	0%	0	24%	0.119	40%	0.1983	36%	0.178	1.362	0.056	1.56	0.068
PROPOSED	21595.00	0.496	0%	0	24%	0.119	41%	0.2033	35%	0.174	1.349	0.056	1.56	0.067
COMPARISON												-0.001		-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

Qa= 1.54  
Eb= 0.73  
Ec= 0.95  
Ed= 2.24

Qb= 2.16  
Qc= 2.87  
Qd= 4.12

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME  
REQUIRED (CF)

PROVIDED (CF)

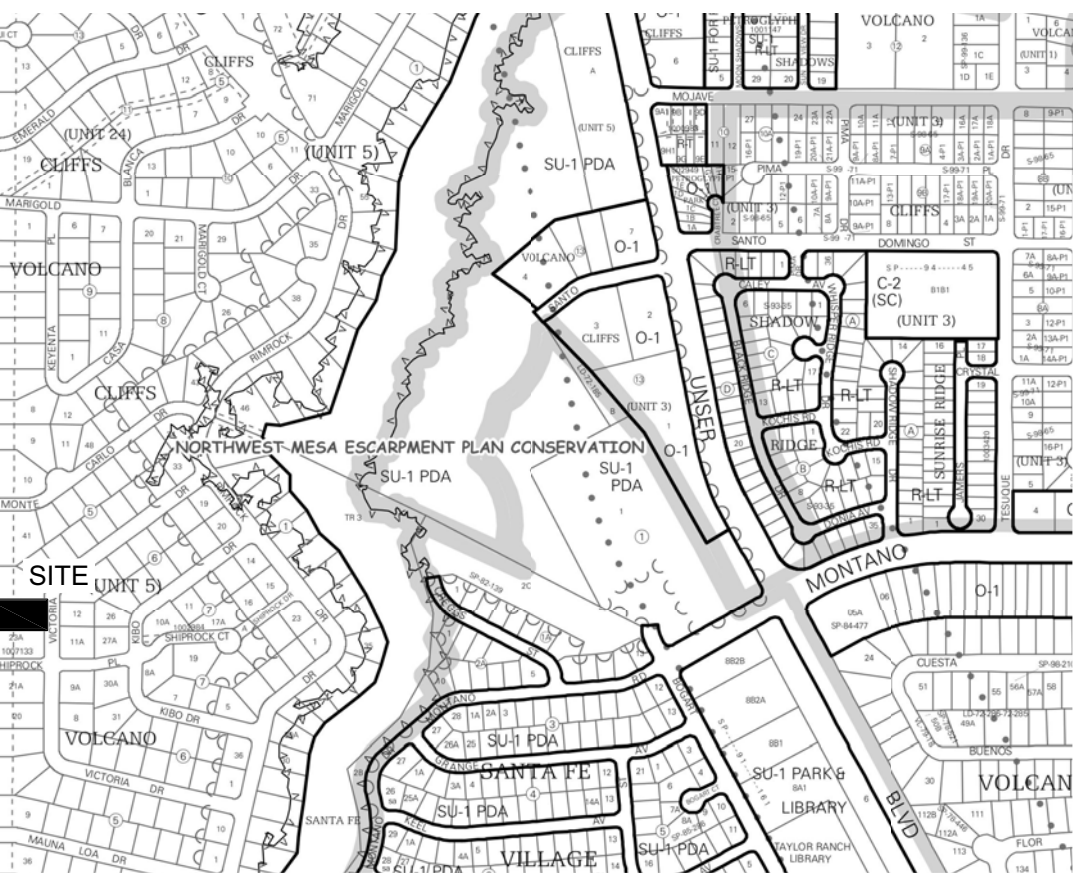
WATER QUALITY 0  
FLOOD CONTROL 0

Narrative

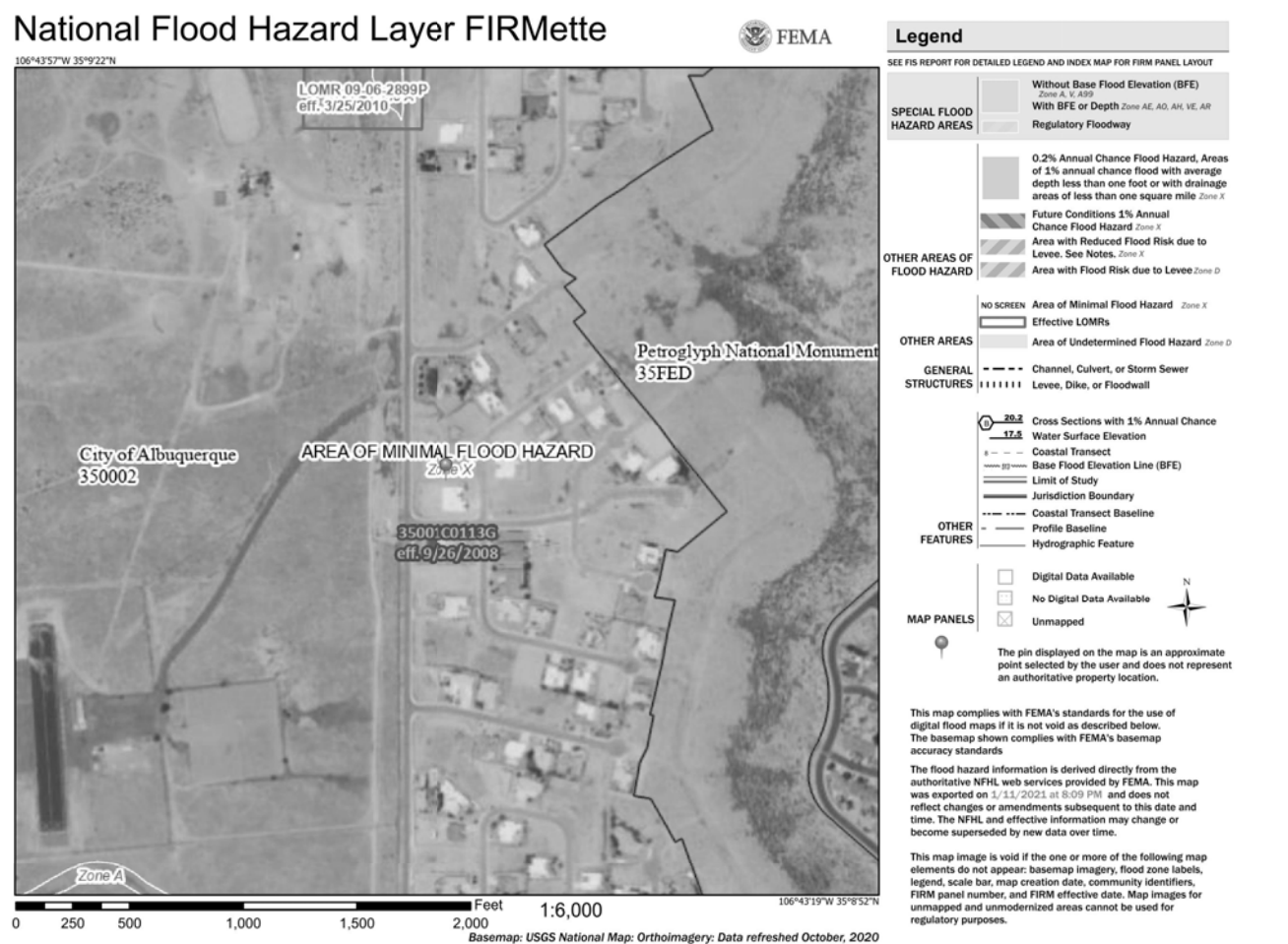
This site is within the SAD 227Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway to the east per the master drainage plan. The site does not exceed the SAD 227 developed conditions assumptions, therefore ponding is not required. Due to hight restrictions we have incorporated ponding to minimize the pad height as much as possible. We are ponding the water harvest volume generated by the site. Upland does not impact this site. 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.



VICINITY MAP: E-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 24 BLOCK 5 UNIT 5 VOLCANO CLIFFS SUB.  
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.

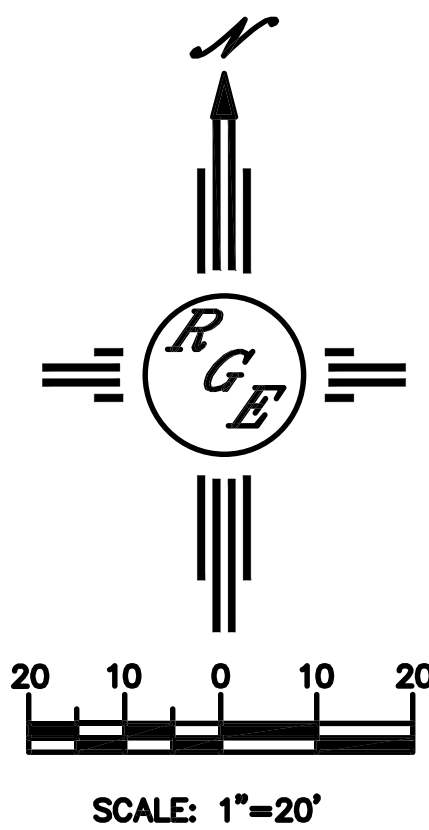
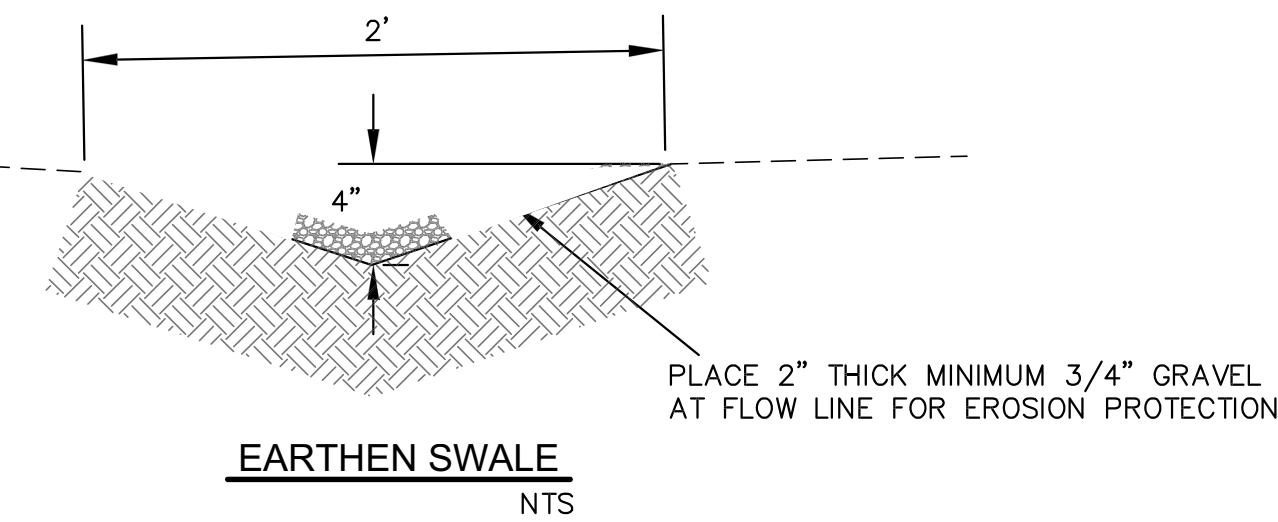
LEGEND

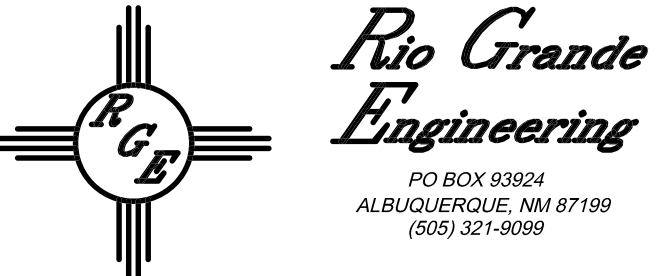
---	XXXX	EXISTING CONTOUR
---	XXXX	EXISTING INDEX CONTOUR
---	XXXX	PROPOSED CONTOUR
---	XXXX	PROPOSED INDEX CONTOUR
+	XXXX	EXISTING SPOT ELEVATION
●	XXXX	PROPOSED SPOT ELEVATION
---		BOUNDARY
---		ADJACENT BOUNDARY
==		EXISTING CURB AND GUTTER
---		PROPOSED EARTHEN SWALE
---		PRPOSED RETAINING WALL
---		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.

CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



ENGINEER'S SEAL  DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER  3/24/21  DAVID SOULE P.E. #14522	LOT 24 BLK 5 UN 5 VC 8008 VICTORIA DRIVE	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 3-23-21
	 P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	LOT 24 BLK 5 UN 5 VC.DWG  SHEET # C1  JOB #