# CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



June 17, 2024

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

RE: Lot 17 Block 8 Unit 18 SAD 228 6628 Sujeto Rd. NW Grading and Drainage Plan Engineers Stamp Date 6/13/2024 (D10D003K17)

Mr. Soule,

Based upon the information provided in your submittal received 6/14/2024, this plan is approved for Grading Permit.

PO Box 1293

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Albuquerque

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained with the approved G&D plan and Pad Certification. Also, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.

NM 87103

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

www.cabq.gov

If you have any questions, please contact me at (505)924-3695 or Rudy Rael at (505)924-3977.

Sincerely,

Tiequan Chen, P.E.

Principal Engineer, Hydrology

Planning Department, Development Review Services

Tiegre Cha

RR/TC

C: File D10D003K17

# 100-Year, 6-hr. Area | Area | Treatment A | Treatment B | Treatment C | Treatment D (acres) % (acres) % (acres) % (acres) % (acres)

-0.002

-0.004

WATER QUALITY POND:332.86

BOTTOM= 5333.00 5333.44

TOP= 5333.46

OUTFALL@5333.46

ACS BM 19-D10 Aluminum Disk

NAD83 NMSP Central Zone

Z = 5318.144 US FT NAVD 1988

5332.98

5332.90 /

5332.27 5332.93×

5332.89/

5332.88、

5332.19

29 LF OF 6" PVC

BACK OF INLET

INV. IN= 5332.00

INV OUT= 5331.75

SO-19 PERMIT

REQUIRED

DRAIN CONNECTED TO

PER COA STD DWG 2237

5333.60

### **Equations:**

Narrative

PROPOSED

COMPARISON

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

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

ONSITE Conditions FIRST FLUSH WATER QUALITY VOLUME

**REQUIRED** PROVIDED WATER QUALITY FLOOD CONTROL

This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway to the south per the master drainage plan. The site does conform to the SAD 227 developed conditions assumptions, therefore ponding is not required. Due to inlets a the frontage, the pad the pad was raised to be higher than the roadway. All flows generated drains to street. This plan is in conformance to the master drainage plan

Weighted E Method

0 24% 0.128 44% 0.2345 32% 0.171

## Private Drainage Facilities within City Right-of-Way **Notice to Contractor** (Special Order 19 ~ "SO-19")

- 1. Build sidewalk culvert per COA STD DWG 2236. Work is permitted and inspected by DMD Construction Services Division.
- 2. An excavation permit will be required before beginning any work within City Right-Of-Way.
- 3. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- 4. Prior to any excavation, the contractor must contact **New** Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities.
- 5. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- 6. Backfill compaction shall be 95%.

**CAUTION:** 

IMPROVEMENTS.

- 7. Maintenance of the facility shall be the responsibility of the owner of the property being served.
- 8. Work on arterial streets may be required on a 24-hour basis. 9. For excavation and barricading inspections, contact DMD Construction Services Division.

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL

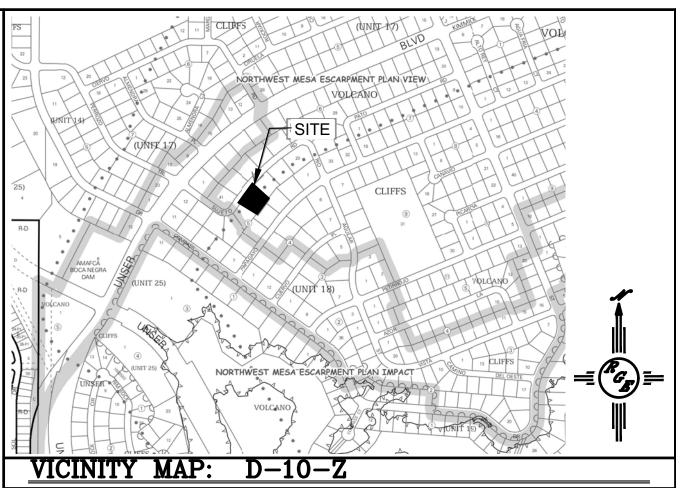
**NECESSARY FIELD INVESTIGATIONS PRIOR** 

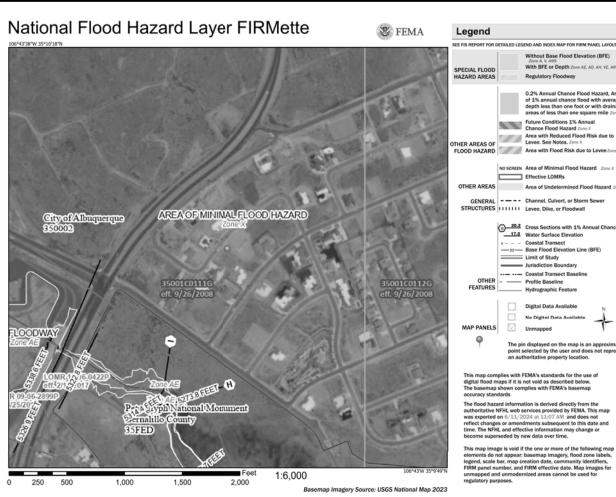
TO ANY EXCAVATION TO DETERMINE THE

**ACTUAL LOCATION OF UTILITIES & OTHER** 

## **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.





## LEGAL DESCRIPTION:

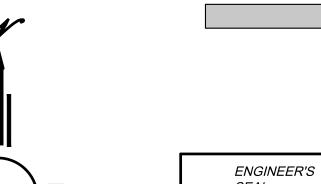
FIRM MAP:

LOT 17, BLOCK 5 VOLCANO CLIFFS UNIT 18
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

- 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 PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION 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

# **LEGEND**

EXISTING CONTOUR -----XXXX--EXISTING INDEX CONTOUR -----XXXX-----—xxxx——— PROPOSED CONTOUR PROPOSED INDEX CONTOUR EXISTING SPOT ELEVATION \* XXXX XXXX PROPOSED SPOT ELEVATION BOUNDARY — — — — ADJACENT BOUNDARY ≡≡≡≡≡≡≡≡≡≡ EXISTING CURB AND GUTTER PROPOSED EARTHEN SWALE PROPOSED RETAINING WALL PROPOSED CONCRETE PROPOSED PONDING



DAVID SOULE

P.E. #14522

## Lot 17 Blk 8 U 18 VC ENGINEER'S SEAL 6628 SUETO RD NW GRADING AND DRAINAGE PLAN Lot 17 Blk 8 U 18 VC.dwg Rio Grande Engineering 6/13/24 PO BOX 93924

ALBUQUERQUE, NM 87199

(505) 321-9099

DRAWN

 $^{BY}$   $_{DEM}$ 

DATE 6-14-24

SHEET#

C1

JOB#

# EARTHEN SWALE

END

LANDSCAPE\_

TW= 5332.50

BW= 5332.00

**RETAINING WALL** 

5333.48

**EARTHEN** 

LANDSCAPE

TW= 5332.50 BW= 5332.00

RETAINING WALL

CONSTRUCT ALL SWALES AND EROSION PROTECTION

(SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE

RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

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5333.80/

5331.49

FF= 5334.75

5331.41

FP= 5334.25 ₹

**`**5332*'* 

PLACE 2" LAYER OF **GRAVEL AT FLOW LINE** 

SCALE: 1"=20'



# **City of Albuquerque**

Planning Department
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title:		Hydrology File #	
Legal Description:			
City Address, UPC, OR Parcel	:		
Applicant/Agent:		Contact:	
Address:			
Email:			
Applicant/Owner:		Contact:	
Address:		Phone:	
Email:			
(Please note that a DFT SITE is or	ne that needs Site Plan A	pproval & ADMIN SITE is one that does not need it.)	
TYPE OF DEVELOPMENT:	PLAT (#of lots)	RESIDENCE	
	DFT SITE	ADMIN SITE	
RE-SUBMITTAL: YES	NO		
DED A DEMENT. TO A NI	SDODT A TION	HVDDOLOGV/DD A DIA CE	
<b>DEPARTMENT:</b> TRANS	SPORTATION	HYDROLOGY/DRAINAGE	
Check all that apply under Both	the Type of Submittal	and the Type of Approval Sought:	
TYPE OF SUBMITTAL:		TYPE OF APPROVAL SOUGHT:	
ENGINEER/ARCHITECT CERTIFICATION		BUILDING PERMIT APPROVAL	
PAD CERTIFICATION		CERTIFICATE OF OCCUPANCY	
CONCEPTUAL G&D PLAN		CONCEPTUAL TCL DFT APPROVAL	
GRADING & DRAINAGE PLAN		PRELIMINARY PLAT APPROVAL	
DRAINAGE REPORT		FINAL PLAT APPROVAL	
DRAINAGE MASTER PLAN		SITE PLAN FOR BLDG PERMIT DFT	
CLOMR/LOMR		APPROVAL	
TRAFFIC CIRCULATION LAYOUT (TCL) ADMINISTRATIVE		SIA/RELEASE OF FINANCIAL GUARANTEE	
		FOUNDATION PERMIT APPROVAL	
TRAFFIC CIRCULATION LAYOUT FOR DFT APPROVAL		GRADING PERMIT APPROVAL	
TRAFFIC IMPACT STUDY (TIS)		SO-19 APPROVAL	
STREET LIGHT LAYOUT		PAVING PERMIT APPROVAL	
OTHER (SPECIFY)		GRADING PAD CERTIFICATION	
- 111211 (C1 2011 1)		WORK ORDER APPROVAL	
		CLOMR/LOMR	
		OTHER (SPECIFY)	
DATE SUBMITTED:			