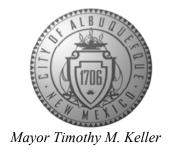
# CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



January 20, 2021

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

RE: Lot 25 Block 1 Unit 22 SAD 228 8001 Canoncito Rd. NW Volcano Cliffs Subdivision Grading and Drainage Plan Engineers Stamp Date 1/17/2021 (D10D003N25)

Dear Mr. Soule,

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 12/17/2020, this plan is approved for Grading Permit.

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

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.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is 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: 8001 CANONCITO	NW Building Permit #:	Hydro	logy File #:
DRB#:	EPC#:	Work	Order#:
DRB#: Legal Description: LOT 25, BL	OCK 1 VOLCANO CL	IFFS UNIT 22	
City Address: 8001 CANONCITO	DR NW		
Applicant:		Contact:	
Address:			
Phone#:	Fax#:	E-mail:	
Other Contact: RIO GRANDE EN	GINEERING	Contact:	DAVID SOULE
Address: PO BOX 93924 ALE			
Phone#: 505.321.9099		999 E-mail:	david@riograndeengineering.com
TYPE OF DEVELOPMENT:			
Check all that Apply:			
DEPARTMENT:  X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION  TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFIC PAD CERTIFICATION CONCEPTUAL G & D PLAN X GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PEI ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?  IS THIS A RESUBMITTAL?: Yes	CATION	YPE OF APPROVAL/ACCE  BUILDING PERMIT APPI CERTIFICATE OF OCCU  PRELIMINARY PLAT AF SITE PLAN FOR SUB'D SITE PLAN FOR BLDG. I FINAL PLAT APPROVA  SIA/ RELEASE OF FINAT FOUNDATION PERMIT APPI GRADING PERMIT APPI SO-19 APPROVAL PAVING PERMIT APPI GRADING/ PAD CERTIF WORK ORDER APPROVAL CLOMR/LOMR FLOODPLAIN DEVELOP OTHER (SPECIFY)	ROVAL PANCY PPROVAL APPROVAL PERMIT APPROVAL L NCIAL GUARANTEE APPROVAL ROVAL DVAL DICATION L MENT PERMIT
DATE SUBMITTED:	*		
COA STAFF:		TTAL RECEIVED:	

FEE PAID:\_\_\_\_\_

#### Weighted E Method

												100-Year	r, 6-hr.		24 hour
Basin	Area	Area	Treat	ment A	Treat	ment B	Treati	ment C	Treati	ment D	Weighted E	Volume	Flow		Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs		(ac-ft)
ALLOWED	13865.00	0.318	0%	0	24%	0.076	40%	0.1273	36%	0.115	1.362	0.036		1.00	0.044
PROPOSED	13865.00	0.318	0%	0	24%	0.076	39%	0.1241	37%	0.118	1.375	0.036	,	1.01	0.044
COMPARISON												0.000			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 Qb= 2.16 Qc= 2.87 Ec= 0.95 Ed= 2.24 Qd= 4.12

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME

REQUIRED PROVIDED (CF) 357 WATER QUALITY FLOOD CONTROL 357

#### Narrative

This site is within the SAD 227Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway per the master drainage plan. The site does exceed the SAD 227 developed conditions assumptions, therefore ponding of 24 is required. Upland does not impact this site. This plan is in conformance to the master drainage plan.

## **EROSION CONTROL NOTES:**

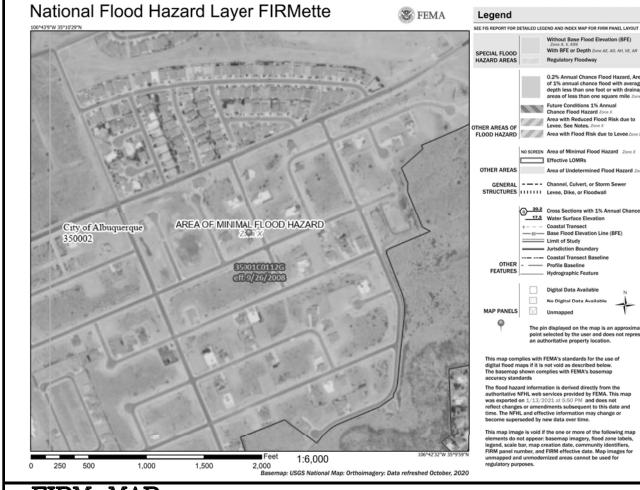
- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED 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.



NO SCREEN Area of Minimal Flood Hazard Zone X

Effective LOMRs





## **LEGAL DESCRIPTION:**

LOT 25, BLOCK 1, UNIT 22 VOLCANO CLIFFS
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 PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- DATUM 1988.

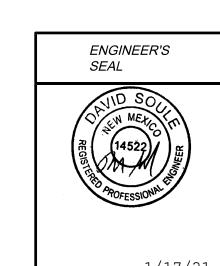
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD

5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

# **LEGEND**

	EXISTING CONTOUR
	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
	EXISTING CONDINING
<del></del>	PROPOSED EARTHEN SWALE

SCALE: 1"=20'



# LOT 25 BLK 1 UN 22 VC 8001 CANONCITO DRIVE N.W. GRADING AND DRAINAGE PLAN

Rio Grande Lingineering PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099

DRAWN

 $^{BY}$  DEM

DATE 1-16-21

LOT 25 BLK 1 UN 22 VC.DWG

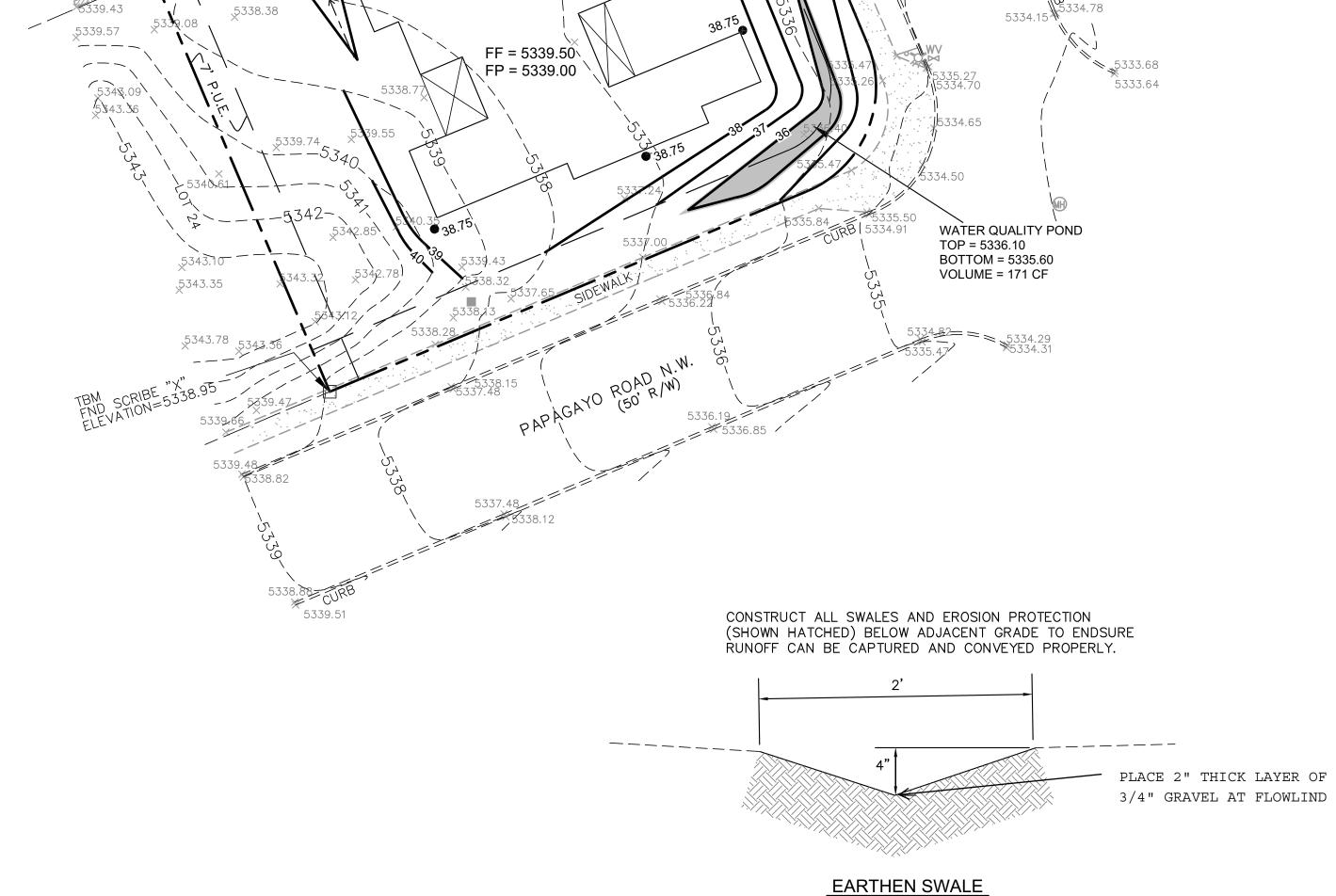
SHEET#

JOB#

C1

# 1/17/21

## DAVID SOULE P.E. #14522



WATER QUALITY POND

WEST OUTFALL

@ 5336.50

TOP = 5336.50

BOTTOM = 5335.75

VOLUME =186 CF

# **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.