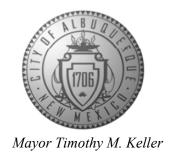
CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



December 8, 2021

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

RE: Lot 30 Block 6 Unit 18 SAD 228 6539 Pato Dr. NW Volcano Cliffs Subdivision Grading and Drainage Plan Engineers Stamp Date 12/7/2021 (D10D003M30)

Mr. Soule,

Based upon the information provided in your submittal received 8/30/2021, 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 after this approval a new grading and drainage plan will need to be resubmitted showing the changes for the land treatments.

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: 6539 Pato NW	Building Permit #:	Hydrology File #:
		Work Order#:
Legal Description: LOT 30, BLOCK	6 VOLCANO CLIFFS	UNIT18
City Address: 6539 Pato NW	- 44-44	
Applicant:		Contact:
Address:		
		E-mail:
Other Contact: RIO GRANDE ENGIN	EERING	Contact: DAVID SOULE
Address: PO BOX 93924 ALB NM	87199	
		E-mail: david@riograndeengineering.co
TYPE OF DEVELOPMENT: PLAT		
Check all that Apply:		
DEPARTMENT: HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION	XBU	OF APPROVAL/ACCEPTANCE SOUGHT: ILDING PERMIT APPROVAL RTIFICATE OF OCCUPANCY
TYPE OF SUBMITTAL:		
ENGINEER/ARCHITECT CERTIFICATIO	N PRI	ELIMINARY PLAT APPROVAL
PAD CERTIFICATION	SIT	E PLAN FOR SUB'D APPROVAL
CONCEPTUAL G & D PLAN	SIT	E PLAN FOR BLDG. PERMIT APPROVAL
X GRADING PLAN	FIN	NAL PLAT APPROVAL
DRAINAGE REPORT		
DRAINAGE MASTER PLAN		/ RELEASE OF FINANCIAL GUARANTEE
FLOODPLAIN DEVELOPMENT PERMIT		UNDATION PERMIT APPROVAL
ELEVATION CERTIFICATE		ADING PERMIT APPROVAL
CLOMR/LOMR		-19 APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCI	, —	VING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)		ADING/PAD CERTIFICATION
STREET LIGHT LAYOUT		ORK ORDER APPROVAL
OTHER (SPECIFY)	_	OMR/LOMR
PRE-DESIGN MEETING?		OODPLAIN DEVELOPMENT PERMIT
IS THIS A RESUBMITTAL?: Yes X	OTI	HER (SPECIFY)
DATE SUBMITTED:	By:	
COA STAFF:	ELECTRONIC SUBMITTAL RE	ECEIVED:

FEE PAID:_____

Weighted E Method

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

 REQUIRED (CF)
 PROVIDED (CF)

 WATER QUALITY
 0
 385

 FLOOD CONTROL
 157
 385

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the the adjacent roadway lot to east per the master drainage plan. We are ponding the water harvest volume generated by the site there is not measurable upland flow. This plan exceeds the allowed impervious area therefore we are required to retain the overage. This plan is in conformance to the master drainage plan

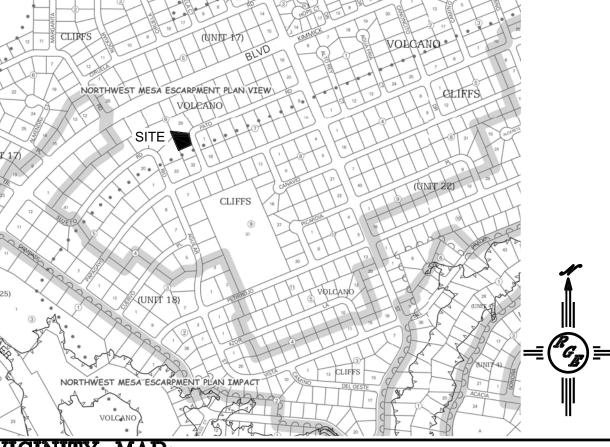
WATER QUALITY POND EXIST. WALL TOP = 35.77 2' SEGEMENTAL RETAINING WALL BOTTOM = 35.00**EARTHEN SWALE** ADJACENT TO EXISTING WALL VOLUME = 274 CF EXIST. WALL ~ TW= 35.00 BW= 34.33 PROJECT BM ELEV = 5335.36' LOT OUTFALL 6539 PATO DRIVE 2' SEGEMENTAL RETAINING WALL ADJACENT TO EXISTING WALL FF = 5337.85 FP = 5337.35 AVERAGE NATIVE GRADE = 5335.37 HIGHEST NATIVE GRADE = 5336.45 X_{5336.38} DRTS EARTHEN SWALE -LOT OUTFALL @ 5335.56 CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENDSURE LOWEST NATIVE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY. WATER QUALITY POND GRADE = 5334.29 TOP = 35.56 BOTTOM = 35.00 VOLUME = 111CF PLACE 2" LAYER OF GRAVEL AT FLOW LINE **EARTHEN SWALE** TW= 37.00 BW= 35.00

CAUTION:

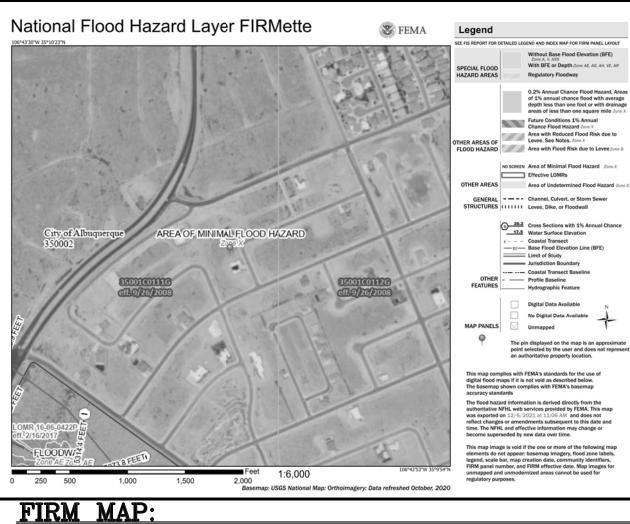
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

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:



LEGAL DESCRIPTION:

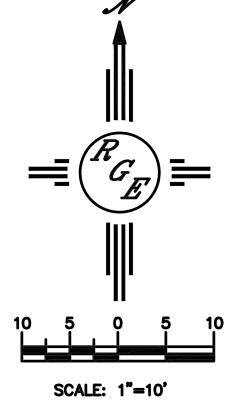
LOT 30 BLOCK 6 UNITT 18 VOLCANO CLIFFS CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

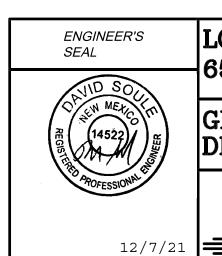
NOTES:

- 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.
- 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

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
	■ PROPOSED RETAINING WALL
	PROPOSED CONCRETE
	PROPOSED PONDING





LOT 30 BLK 6 UN 18 VC 6539 PATO DRIVE GRADING AND DRAINAGE PLAN

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

 BY DEM

DATE 12-6-21

Lot 30 Blk 6 Un 18 VC .dwg

SHEET#

C1

JOB#

DAVID SOULE P.E. #14522