CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

January 25, 2022

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

RE: Lot 30 Block 6 Volcano Cliffs Unit 16 SAD 228 6539 Pato Dr.. NW

Grading and Drainage Plan

Engineers Stamp Date 12/7/2021 (D10D003M30)

Pad Certification Date 10/27/2021

Mr. Soule,

Based upon the information provided in your submittal received 1/26/2022, this plan is approved for Building Permit.

Please inform the builder/owner to attach a copy of this approved plan and this letter to the construction sets in the permitting process prior to sign-off by Hydrology.

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, 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. Also advise the owner & Contractor that dirt is not allowed in the public right of way to climb the curb. Crusher fines or lumber is allowed. If dirt is used this will delay going forward with the construction of the home.

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: 6539 Pato NW	Building Permit #:	Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description: LOT 30 , BLOCK	6 VOLCANO CLIFFS	UNIT18
City Address: 6539 Pato NW		
		Contact:
Address:		
		E-mail:
Other Contact: RIO GRANDE ENGIN	EERING	Contact: DAVID SOULE
Address: PO BOX 93924 ALB NM		
		E-mail: david@riograndeengineering.com
TYPE OF DEVELOPMENT: PLAT		
Check all that Apply:		
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION X PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCI TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?: X Yes N	X BU	FAPPROVAL/ACCEPTANCE SOUGHT: ILDING PERMIT APPROVAL RTIFICATE OF OCCUPANCY ELIMINARY PLAT APPROVAL E PLAN FOR SUB'D APPROVAL E PLAN FOR BLDG. PERMIT APPROVAL HAL PLAT APPROVAL AL PLAT APPROVAL ADING PERMIT APPROVAL ADING PERMIT APPROVAL VING PERMIT APPROVAL ADING/PAD CERTIFICATION BOOK ORDER APPROVAL OMR/LOMR DODPLAIN DEVELOPMENT PERMIT HER (SPECIFY)
DATE SUBMITTED:	•	
COA STAFF:	ELECTRONIC SUBMITTAL RE	ECEIVED:

FEE PAID:_____

Area | Area | Treatment A | Treatment B | Treatment C | Treatment D | Weighted E | Volume (acres) % (acres) % (acres) % (acres) % (acres) % 12574.00 0.289 0% 0 20% 0.058 46% 0.1328 34% 0.098 1.259 12574.00 0.289 0% 0 13% 0.038 40% 0.1155 47% 0.136 1.409 PROPOSED COMPARISON

Weighted E Method

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

(CF) 385 WATER QUALITY FLOOD CONTROL 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

EXIST. WALL ~

TW= 35.00 BW= 34.33

2' SEGEMENTAL RETAINING WALL

ADJACENT TO EXISTING WALL

CONSTRUCT ALL SWALES AND EROSION PROTECTION

(SHOWN HATCHED) BELOW ADJACENT GRADE TO ENDSURE

RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

PLACE 2" LAYER OF GRAVEL AT FLOW LINE EXIST. WALL

PROVIDED

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 12/7/21

2' SEGEMENTAL RETAINING WALL

ADJACENT TO EXISTING WALL

EARTHEN SWALE

WALL WALL



WATER QUALITY POND

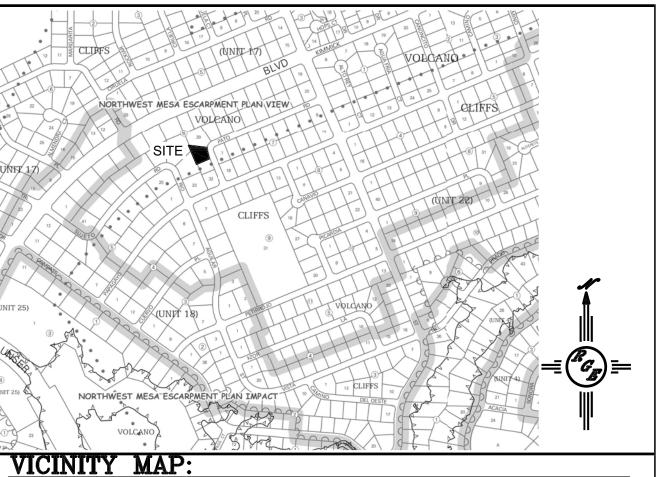
TOP = 35.77

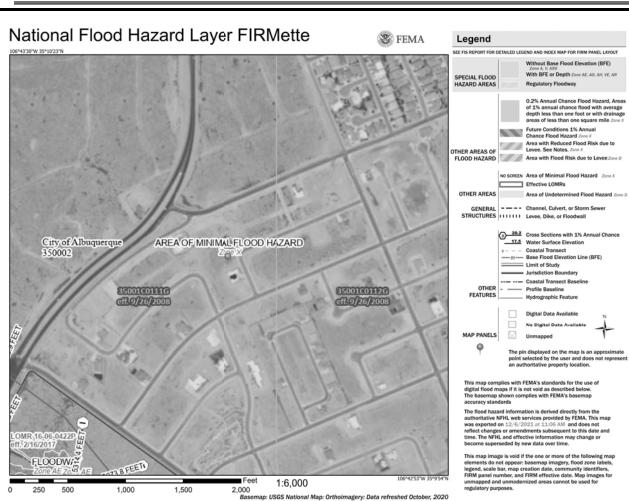
BOTTOM = 35.00

VOLUME = 274 CF

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.





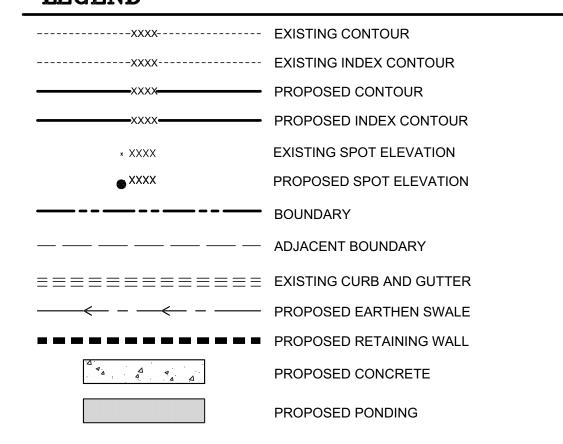
LEGAL DESCRIPTION:

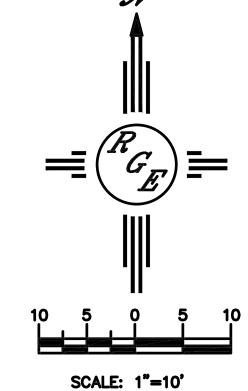
LOT 30 BLOCK 6 UNITT 18 VOLCANO CLIFFS CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

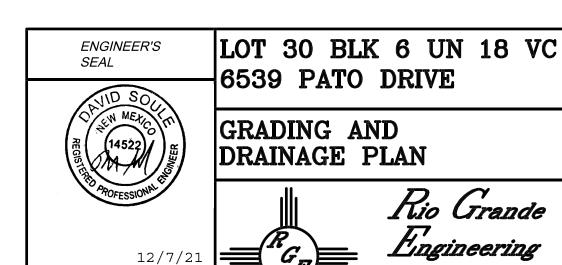
NOTES:

- 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







DAVID SOULE P.E. #14522

6539 PATO DRIVE GRADING AND DRAINAGE PLAN

PO BOX 93924

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

DRAWN

 BY DEM

DATE 12-6-21

Lot 30 Blk 6 Un 18 VC .dwg

SHEET#

C1

JOB#

EARTHEN SWALE 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.

