CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



March 3, 2021

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

RE: Lot 50 Block 6 Volcano Cliffs Unit 18 SAD 228 6209 Canavio Pl. NW
Grading and Drainage Plan
Engineers Stamp Date 10/1/2018 (D10D003V50)
Pad Certification Date 3/2/2021

Dear Mr. Soule,

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

PO Box 1293

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.

Albuquerque

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.

www.cabq.gov

NM 87103

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

Weighted E Method

											100-Year, 6-hr.			
Basin	Area	Area	Treat	ment A	Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow	
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	
ALLOWED	13850.00	0.318	0%	0	20%	0.064	46%	0.1463	34%	0.108	1.259	0.033		1.02
PROPOSED	13850.00	0.318	0%	0	20%	0.064	43%	0.1367	37%	0.118	1.289	0.034		1.04
COMPARISON												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

Ea= 0.44 Qa= 1.29 Eb= 0.67 Qb= 2.03 Ec= 0.99 Qc= 2.87 Ed= 1.97 Qd= 4.37

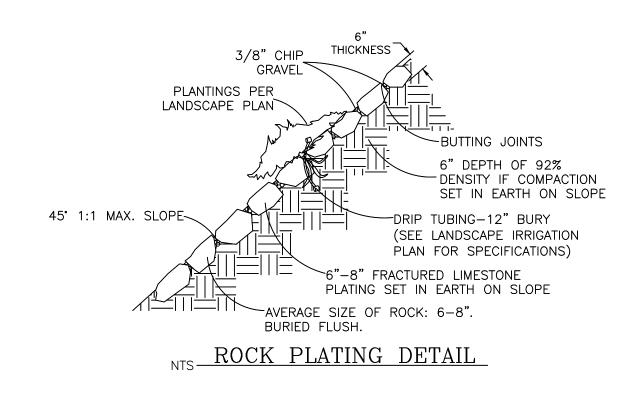
ONSITE Conditions FIRST FLUSH WATER QUALITY VOLUME

PROVIDED (CF) 145

WATER QUALITY FLOOD CONTROL

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 pond 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

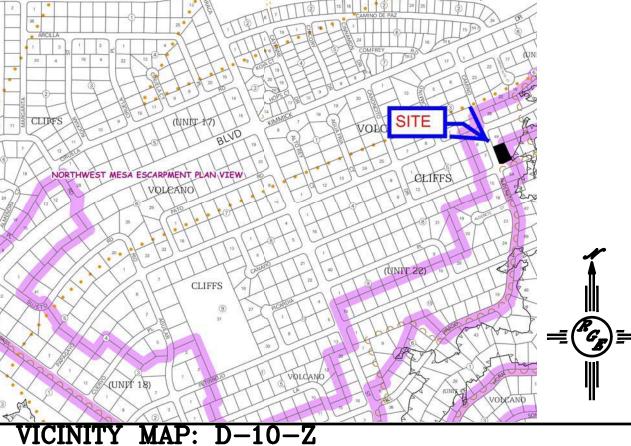


I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 10/1/18

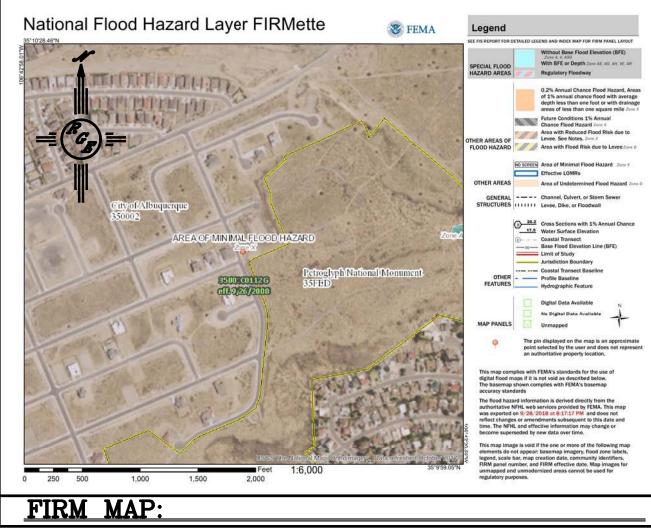


EROSION CONTROL NOTES:

- 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.



LA CUENTISTA



LEGAL DESCRIPTION:

LOT 50 BLOCK 6 UNIT 22 VOLCANO CLIFFS BERNALILLO COUNTY, NEW MEXICO

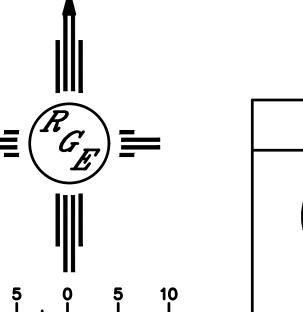
NOTES:

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.

LEGEND

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR PROPOSED INDEX CONTOUR EXISTING SPOT ELEVATION × XXXX XXXX PROPOSED SPOT ELEVATION BOUNDARY PROPOSED EARTHEN SWALE — — — — — ADJACENT BOUNDARY PROPOSED CONCRETE DRIVEWAY PROPOSED ROCK PLATE PROPOSED CMU WALL



SCALE: 1"=10'

LOT 50 BLK6 U22 VOLCANO CLIFFS 6209 CANAVIO PL.

Rio Grande Lingineering 1606 CENTRAL AVENUE SE ALBUQUERQUE, NM 87106

DRAWN BY DEM

> DATE 9-29-18

OT 50 BLOCK 06 VOLCANO CLIFFS.DWG

SHEET#

JOB#

C1

ENGINEER'S SEAL GRADING AND DRAINAGE PLAN 10/1/18 DAVID SOULE P.E. #14522

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.

