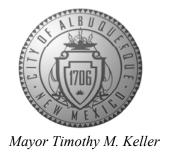
## CITY OF ALBUQUERQUE

Planning Department Alan Varela, Interim Director



December 9, 2021

David Soule, PE Rio Grande Engineering 1606 Central SE Suite 201 Albuquerque, NM 87106

Lot 50 Block 6 SAD 228 Re:

**Volcano Cliffs Subdivision Unit 22** 

6209 Canavio Pl.. NW

**Grading and Drainage Plan** 

Engineers Stamp Date 10/1/2020 (D10D003V50)

Pad Certification Date 3/2/2021 CO Certification Dated: 11/17/2021

Dear Mr. Soule,

Based on the Certification received on 12/8/2021, the site is acceptable for release of Certificate of Occupancy by Hydrology.

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: 6209 CANAVIO	Building Permit #:	Hydrology File #:	
DRB#:	_EPC#:	Work Order#:	
Legal Description: 10t 50 BLOCK 6	VOLCANO CLIFFS UNI	IT 22	
City Address: 6209 CANOVIO			
Applicant: SUN VALLY HOMES		Contact:	
Address:			
Phone#:	_ Fax#:	E-mail:	
Other Contact: RIO GRANDE ENGINE	ERING	Contact: DAVID SOULE	
Address: PO BOX 93924 ALB NM			
Phone#: 505.321.9099	~	F-mail·david@riograndeengine	eering.com
TYPE OF DEVELOPMENT: PLAT	X RESIDENCE	DRB SITE ADMIN SITE	
Check all that Apply:		_	
DEPARTMENT:  X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION  TYPE OF SUBMITTAL: X ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT A ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?  IS THIS A RESUBMITTAL?: X Yes No	BUILDI  X CERTIF  PRELIM SITE PL SITE PL FINAL I  SIA/ RE FOUND GRADIN SO-19 A PAVINO GRADIN WORK O CLOMR FLOODI OTHER	G PERMIT APPROVAL NG/ PAD CERTIFICATION ORDER APPROVAL WLOMR PLAIN DEVELOPMENT PERMIT (SPECIFY)	
DATE SUBMITTED:	* '		
COA STAFF:	ELECTRONIC SUBMITTAL RECEIV		

FEE PAID:\_\_\_\_

### Weighted E Method

								100-Year, 6-hr.						
Basin	Area	Area	Treat	ment A	Treat	ment B	Treatr	ment C	Treati	ment 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** 

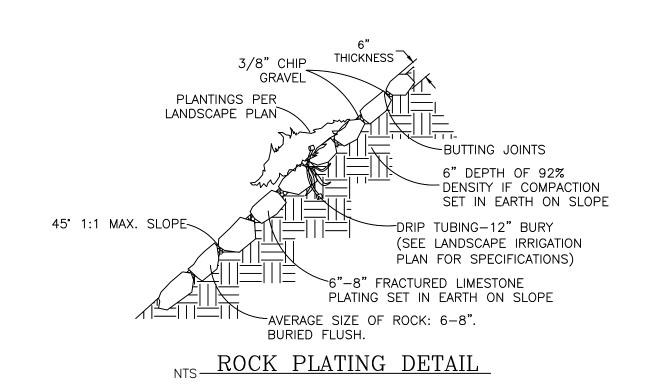
FIRST FLUSH WATER QUALITY VOLUME

(CF) WATER QUALITY 145 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

**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 10/1/0

WATER QUALITY POND

5315.63

<sub>19.2</sub>FF=5318.25

FP=5318.75

TOP= 5315.00

CMU WALL WITH

5316.34 ×

5318.97

5319.08 5318.93

5319.03

5319.88

×5319.57

18" MAX RETAINAGE

BOTTOM=5313.50



5308.81

TURN 2 BLOCKS

**@** 5315.00

# **EROSION CONTROL NOTES:**

5307.53

5307.91

5308.95

53<sub>15</sub> -

<CMU WALL WITH $^{ ilde{>}}$ 

REMOVE PATH

**ENCROACHING** 

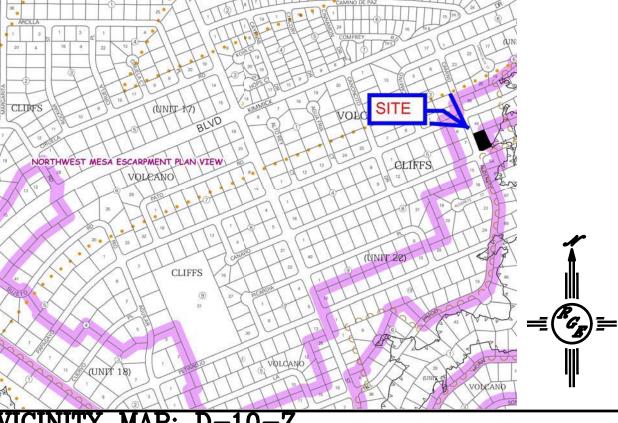
18" MAX RETAINÁGE

Project Benchmark Élev = 5319.67

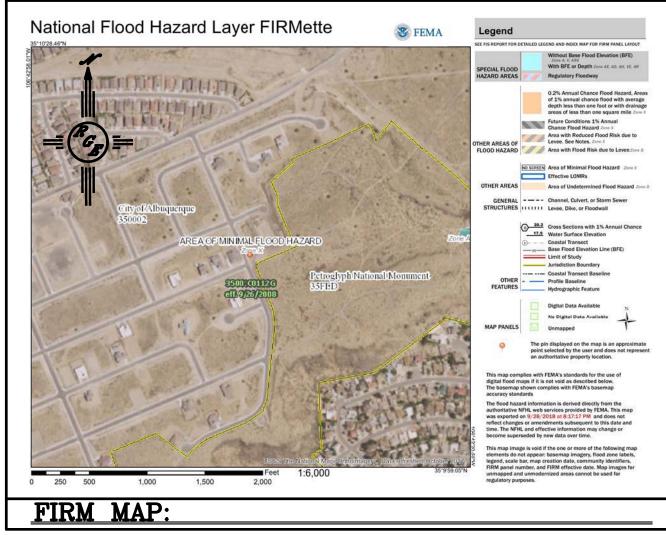
Fnd Rebar w/Cap

(LS 14733)

- 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 50 BLOCK 6 UNIT 22 VOLCANO CLIFFS 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.

# **LEGEND**

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR PROPOSED INDEX CONTOUR EXISTING SPOT ELEVATION x XXXX XXXXX PROPOSED SPOT ELEVATION BOUNDARY — PROPOSED EARTHEN SWALE — — — — — ADJACENT BOUNDARY \* A A PROPOSED CONCRETE DRIVEWAY PROPOSED ROCK PLATE

PROPOSED CMU WALL

# LOT 50 BLK6 U22 VOLCANO CLIFFS ENGINEER'S SEAL

10/1/08

DAVID SOULE

P.E. #14522

6209 CANAVIO PL. GRADING AND

Rio Grande Engineering 1606 CENTRAL AVENUE SE ALBUQUERQUE, NM 87106

 $^{BY}$  DEM

DATE

9-29-18

OT 50 BLOCK 06 VOLCANO CLIFFS.DWG

SHEET#

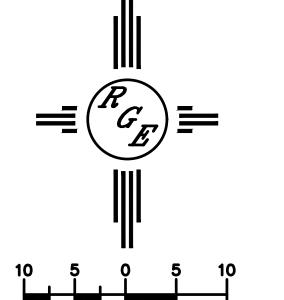
C1

JOB#

DRAINAGE PLAN

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 10/1/08 The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The asbuilt survey was provided by TIM ALDRICH NMPLS 7719. The certification is submitted in support of a request for **PERMANENT CERTIFICATE OF OCCUPANCY**. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose

5319.13× 5319.78



SCALE: 1"=10'

5322.5<sub>4</sub> 5321.92

**ROCK PLATE** 2:1 SLOPE

5322.75 X

**⊗**5323.31

11/17/21

## **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.