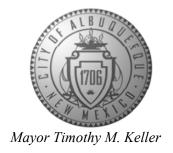
# CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



April 20, 2021

David Soule, PE Rio Grande Engineering PO Box 93924 Albuquerque, NM 87199

Re: Volcano Cliffs Lot 12P1 Block 8B Unit 3

6401 Little Joe NW

Request Permanent C.O. - Accepted

**Engineer's Stamp dated: 8-13-2020 (E10D083)** 

Pad Certification Dated: 9/29/2020 CO Certification Dated: 4-15-2021

PO Box 1293 Dear Mr. Soule,

Based on the Certification received on 4/20/2021, the site is acceptable for release of Certificate

of Occupancy by Hydrology.

Albuquerque

If you have any questions, you can contact me at 924-3986 or Rudy Rael at 924-3977.

NM 87103 Sincerely,

www.cabq.gov

Ernest Armijo, P.E.

Principal Engineer, Planning Dept. Development Review Services

#### Weighted E Method

													100-Year, 6-hr.		
	Basin	Area Area		Treatment A		Treatment B		Treatment C		Treatment DV		Veighted I	Volume	Flow	
L		(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	
Г	ALLOWED	9340.00	0.214	0%	0	24%	0.051	40%	0.0858	36%	0.077	1.266	0.023	0.69	
	PROPOSED	9340.00	0.214	0%	0	10%	0.021	32%	0.0686	58%	0.124	1.526	0.027	0.78	
	total														

#### 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= 1.29 Qb= 2.03 Qc = 2.87Ec = 0.99Qd= 4.37

ONSITE Conditions

FLOOD CONTROL

FIRST FLUSH WATER QUALITY VOLUME

**REQUIRED PROVIDED** (CF) WATER QUALITY

Narrative

This site is within the SAD 221 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the the adjacent roadway per the master drainage plan. The site exceeds the land treatment conditions specified within the master gradii plan therefore we are ponding the excess volume. Existing walls eliminate upland flows. This plan provides ponding in excess of the drainage regulations. This plan is in conformance to the master drainage plan

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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 8/13/20

accuracy before using it for any other purpose



I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, hereby certify that

accordance with the design intend of the approved plan dated 8/13/20. The record

information edited on the original design document has performed by me or under my

built survey was provided by DAVID ACOSTA NMPLS#21082 . The certification is

direct supervision and is true and correct to the best of my knowledge and belief. The as-

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

Note: UNDERGROUND DRAIN PIPE WAS INSTALLED TO COLLECT ROOF DRAIN WATER. PERFORATED PIPE WAS USED.

relying on this record document are advised to obtain independent verification of its

IT IS RECOMMENDED THIS PIPE BE CONVERTED TO NON PERFORATED TO MINIMIZE SOIL SATURATION

this project has been graded and will drain in substantial compliance with and in

## **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.



National Flood Hazard Layer FIRMette

#### FIRM MAP:

## **LEGAL DESCRIPTION:**

Lot 12-P1 Block 8-B Volcano Cliffs Unit 3

#### NOTES:

- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- 2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING
- 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
- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

## **LEGEND**

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR PROPOSED INDEX CONTOUR EXISTING SPOT ELEVATION × XXXX PROPOSED SPOT ELEVATION BOUNDARY PROPOSED EARTHEN SWALE — — — — — ADJACENT BOUNDARY ≡≡≡≡≡≡≡≡≡≡ EXISTING CURB AND GUTTER PROPOSED RETAINING WALL

A A A

8/13/20

PROPOSED CONCRETE DRIVEWAY

SEAL

DAVID SOULE

P.E. #14522

SCALE: 1"=10'

6401 LITTLE JOE PLACE GRADING AND

DRAINAGE PLAN Rio Grande Ingineering 1606 CENTRAL AVENUE SE ALBUQUERQUE, NM 87106

<sup>BY</sup> DEM

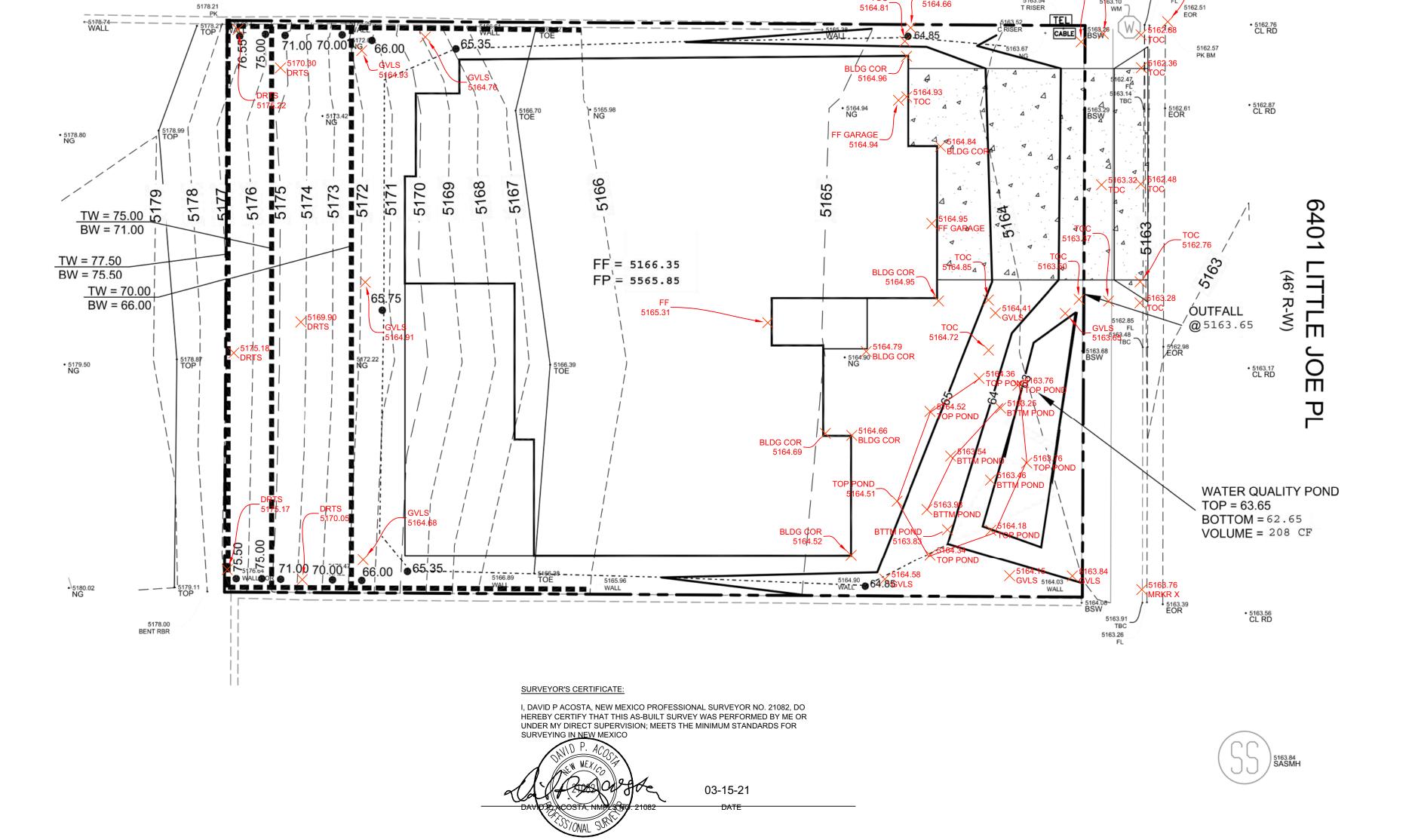
DATE 8-13-20

6401 LITTLE JOE PL.DWG

SHEET#

JOB#

C1



NEAR STRUCTURE.

# **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.