



Mayor Timothy M. Keller

March 28, 2022

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

**RE: Lot 24-A Block 2 Unit 19 SAD 228
7716 Compass Dr. NW
Volcano Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date 2/15/2021 (D10D003G24-A)
Pad Cert. Date: 2/17/2022
CO Certification Date: 3/21/2022**

PO Box 1293

Mr. Soule,

Albuquerque

Based on the Certification received on 3/25/2022, the site is acceptable for release of Certificate of Occupancy by Hydrology.

NM 87103

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

www.cabq.gov

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: COMPASS-WILSON Building Permit #: _____ Hydrology File #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: LOT 24A, Block 2 VOLCANO CLIFFS UNIT 19

City Address: 7716 COMPASS NW

Applicant: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Other Contact: RIO GRANDE ENGINEERING Contact: DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: david@riograndeengineering.com

TYPE OF DEVELOPMENT: _____ PLAT ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

☒ ENGINEER/ARCHITECT CERTIFICATION
☐ PAD CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE REPORT
☐ DRAINAGE MASTER PLAN
☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
☐ ELEVATION CERTIFICATE
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ STREET LIGHT LAYOUT
☐ OTHER (SPECIFY) _____
☐ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ FLOODPLAIN DEVELOPMENT PERMIT
☐ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ By: _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

								100-Year, 6-hr.			24 hour			
Basin	Area (sf)	Area (acres)	Treatment A (% (acres)	Treatment B (% (acres)	Treatment C (% (acres)	Treatment D (% (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
ALLOWED	14470.00	0.332	0%	0	24%	0.080	40%	0.1329	36%	0.120	1.362	0.038	1.05	0.046
PROPOSED	14470.00	0.332	0%	0	24%	0.080	42%	0.1395	34%	0.113	1.336	0.037	1.04	0.045
COMPARISON											-0.001			

Where for 100-year, 6-hour storm- zone 1

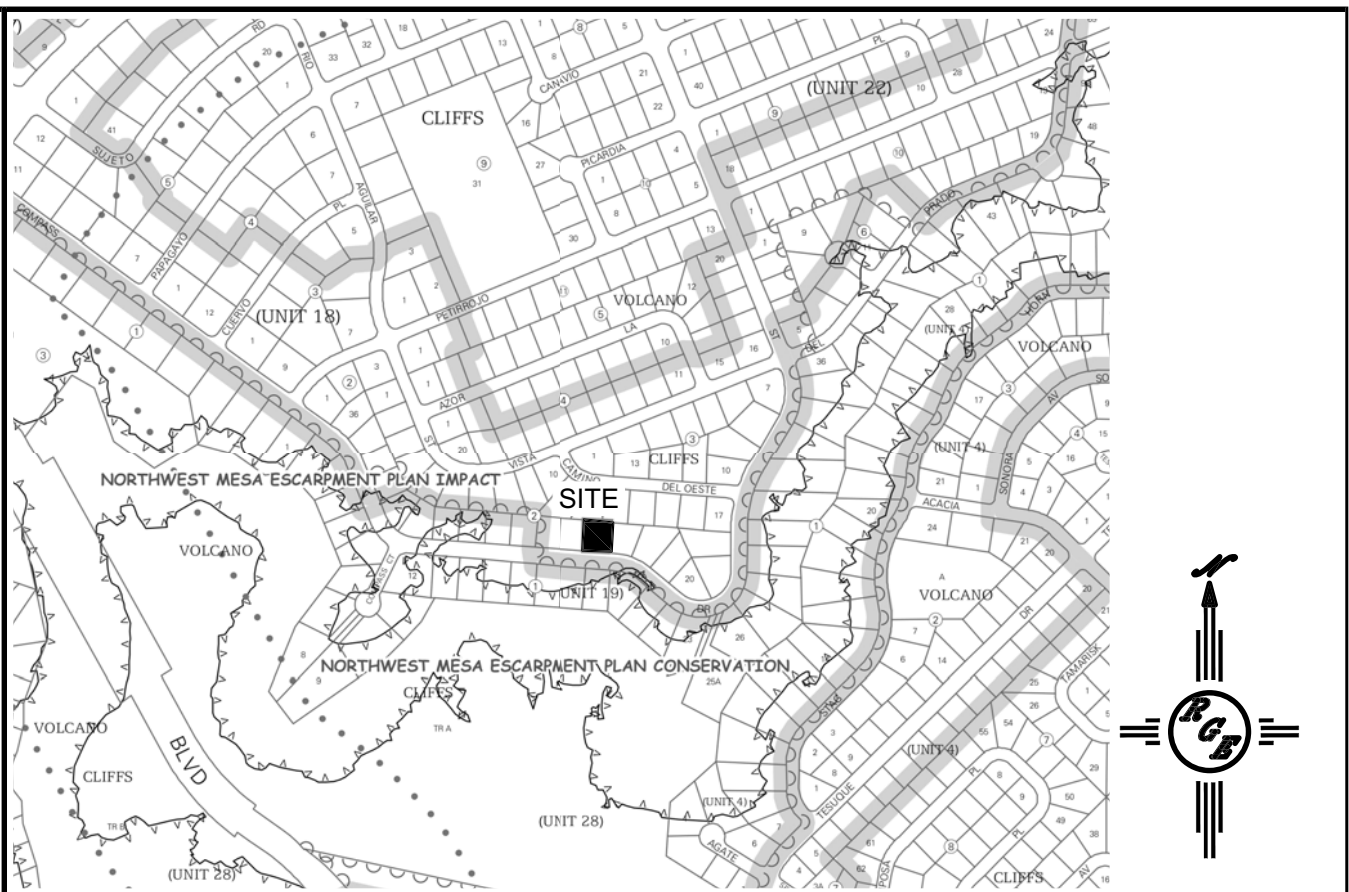
Ea= 0.55	Qa= 1.54
Eb= 0.73	Qb= 2.16
Ec= 0.95	Qc= 2.87
Ed= 2.24	Qd= 4.12

	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	0	265
FLOOD CONTROL	0	265












This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway per the master drainage plan. The site does not exceed the SAD 228 developed conditions assumptions, therefore ponding is not. Due to height restrictions onsite ponding has been utilized to minimize the pad elevation, as well as discharging to flow line via through curb utilizing an s1 process. Upland flows from the north area allowed to enter and pass through the site. The plan as proposed is in conformance to the master drainage plan

A circular professional engineer seal for David Soule, New Mexico, License 14522. The seal features the name "DAVID SOULE" at the top, "NEW MEXICO" in the center, and "REGISTERED PROFESSIONAL ENGINEER" at the bottom. The license number "14522" is prominently displayed in the center, with a signature overlaid on it.

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 2/15/22. 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 as-built survey was provided by THOMAS PATRICK NMPS 12651. 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

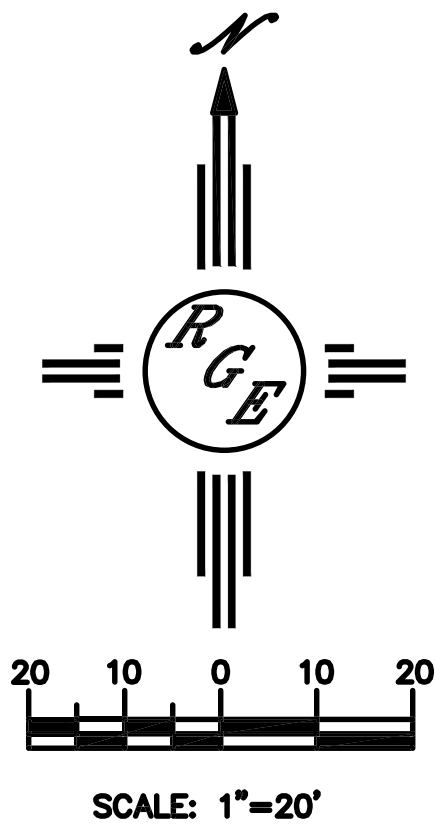
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LEGEND

- | | |
|---|--------------------------|
|  | EXISTING CONTOUR |
|  | EXISTING INDEX CONTOUR |
|  | PROPOSED CONTOUR |
|  | PROPOSED INDEX CONTOUR |
|  | EXISTING SPOT ELEVATION |
|  | PROPOSED SPOT ELEVATION |
|  | BOUNDARY |
|  | ADJACENT BOUNDARY |
|  | EXISTING CURB AND GUTTER |
|  | PROPOSED RETAINING WALL |
|  | PROPOSED CONCRETE |

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.

REVISED EXTENT OF RETAINING WALL
DUE TO CITY COMMENT



<p>ENGINEER'S SEAL</p>	<p>LOT 24-A BLK 2 UN 19 VC 7716 COMPASS DRIVE NW</p>	<p>DRAWN BY DEM</p>
	<p>GRADING AND DRAINAGE PLAN</p>	<p>DATE 2-18-21</p>
<p>2/15/22 2/21/21</p>		<p>LOT 24-A BLK 2 UN 19 VC.DWG</p>
<p>DAVID SOULE P.E. #14522</p>	<p><i>Rio Grande Engineering</i></p> <p>PO BOX 93024 ALBUQUERQUE, NM 87199 (505) 321-9089</p>	<p>SHEET # C1</p>
		<p>JOB #</p>

