

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

February 22, 2021

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

RE: **Lot 24A Block 2 Unit 19 SAD 228
7716 Compass Dr. NW
Volcano Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date 2/21/2021 (D10D003G24A)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 2/22/2021, this plan is approved for Grading Permit.

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

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, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is 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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



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 hr | | | |
|------------|--------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|-------------------|-------------|-------------------|-------|--------|------|-------|
| 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 | | |

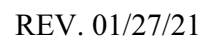
Where for 100-year, 6-hour storm- zone 1

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

| | | |
|---------------|---|-----|
| WATER QUALITY | 0 | 265 |
| FLOOD CONTROL | 0 | 265 |

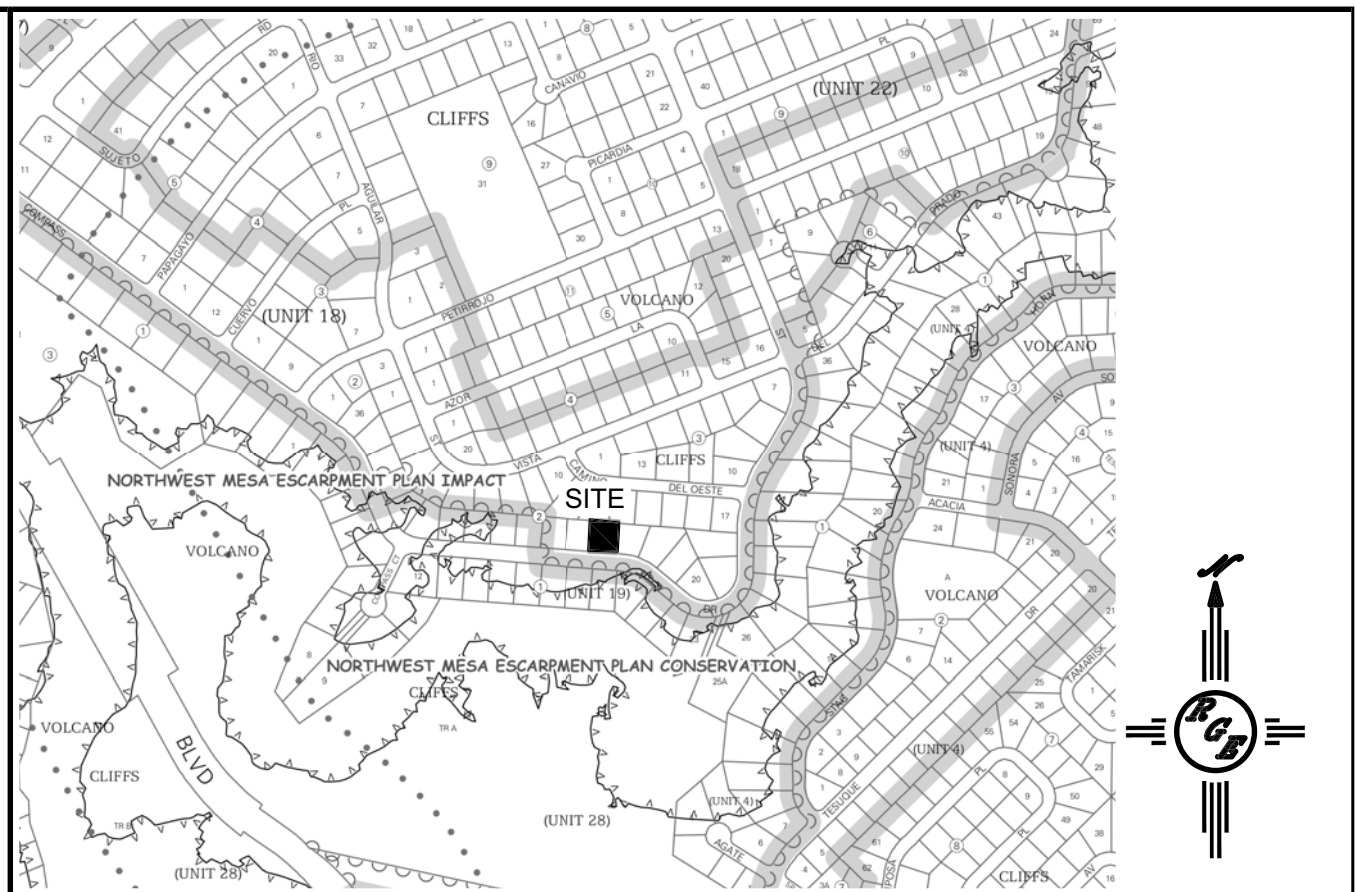
This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway per the master drainage plan. The site does not exceed the SAD 228 developed conditions assumptions, therefore ponding is not. Due to height restrictions onsite 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

1. Build sidewalk culvert per COA STD DWG 2236.
2. Contact Storm Drain Maintenance at (505) 857-8033 to schedule a meeting prior to forming.
3. An excavation permit will be required before beginning any work within City Right-Of-Way.
4. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
5. Two working days prior to any excavation, the contractor must contact **New Mexico One Call, dial "811"** [or (505) 260-1990] for the location of existing utilities.
6. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
7. Backfill compaction shall be according to traffic/street use.
8. Maintenance of the facility shall be the responsibility of the owner of the property being served.
9. Work on arterial streets may be required on a 24-hour basis.
10. Contractor must contact Storm Drain Maintenance at (505) 857-8033 to schedule a construction inspection. For excavating and barricading inspections, contact Construction Coordination at (505) 924-3416.



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.

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.

[illegible]

LOT 24-A BLOCK 2 UNIT 19 VOLCANO CLIFFS SUBDIVISION
CITY OF ALBUQUERQUE, 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 PERMITTED 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 PERMIT.

EXISTING CONTOUR

EXISTING INDEX CONTOUR

PROPOSED CONTOUR

PROPOSED INDEX CONTOUR

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

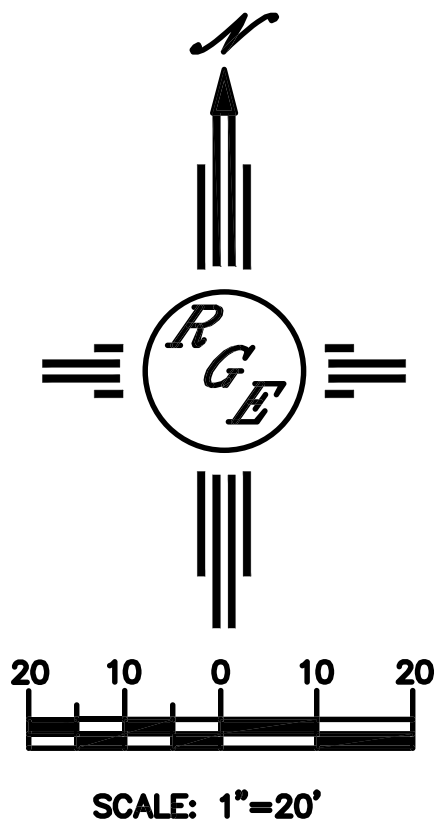
BOUNDARY



ADJACENT BOUNDARY

EXISTING CURB AND GUTTER

PROPOSED RETAINING WALL

PROPOSED CONCRETE



| | | |
|---|---|----------------------------|
| <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>2/21/21</p> |  <p><i>Rio Grande Engineering</i></p> <p>PO BOX 93024 ALBUQUERQUE, NM 87199 (505) 321-9089</p> | <p>SHEET # C1</p> |
| <p>DAVID SOULE P.E. #14522</p> | | <p>JOB #</p> |