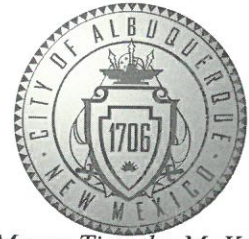


# CITY OF ALBUQUERQUE

Planning Department  
David Campbell, Director



Mayor Timothy M. Keller

March 15, 2019

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

RE: **Lot 9 Block 8, Volcano Cliffs, Unit 22, SAD 228  
6324 Canavio NW  
Grading and Drainage Plan  
Engineers Stamp Date 3/11/19 (D10D003E9)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 3/11/19, this plan is approved for Grading Permit.

PO Box 1293

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

Albuquerque

Please inform the builder/owner to attach a copy of this approved plan and letter to the construction sets in the permitting process prior to sign-off by Hydrology.

NM 87103

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.

www.cabq.gov

**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,

James D. Hughes, P.E.  
Principal Engineer, Hydrology  
Planning Department

RR/JDH  
C: File D10D003E10



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 6324 CANAVIO **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** LOT 9 , BLOCK 8 VOLCANO CLIFFS UNIT 22

**City Address:** \_\_\_\_\_

**Applicant:** SILVERTON HOMES **Contact:** \_\_\_\_\_

**Address:** 6324 CANAVIO

**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: \_\_\_\_\_



Weighted E Method									
100-Year, 6-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
ALLOWED	12050.00	0.277	0%	0	20% 0.055	46% 0.1272	34% 0.094	1.259	0.029
PROPOSED	12050.00	0.277	0%	0	20% 0.055	34% 0.0941	46% 0.127	1.377	0.032
COMPARISON								0.003	0.89

**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 REQUIRED (CF)		PROVIDED (CF)
WATER QUALITY	157	157
FLOOD CONTROL	118	157

**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 roadway to the south per the master drainage plan. We are ponding the water harvest volume generated by the site there is not measurable upland flow. This plan does not exceed the allowed impervious area therefore we are notrequired to retain. This plan is in conformance to the master drainage plan

