CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



April 22, 2019

Jesse J Luehring, P.E. Critical View Engineering 11501 Modesto Ave NE Albuquerque, New Mexico 87122

RE: S.A.D. 227 Lot 1, Block 2, Unit 19 7835 Aguila St. NW

Grading and Drainage Plan Engineers Stamp Date 4/7/19 (D10D003G1)

Dear Mr. Luehring,

Based upon the information provided in your submittal received 4/19/19, this plan is approved for Grading Permit.

A pad certification is required before concrete is poured, either by a letter from you stating that the pad is built according to the plan submitted or by an as-built with elevations plotted.

Albuquerque

PO Box 1293

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology. Also, please advise the owner/contractor that a separate wall permit must be obtained and this approved grading plan dated 4/7/19 must be provided with the wall permit application. Also, please advise the contractor/owner that the ponds must stay in place or CO will not be granted.

NM 87103

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

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 D10D003G1



COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: ____

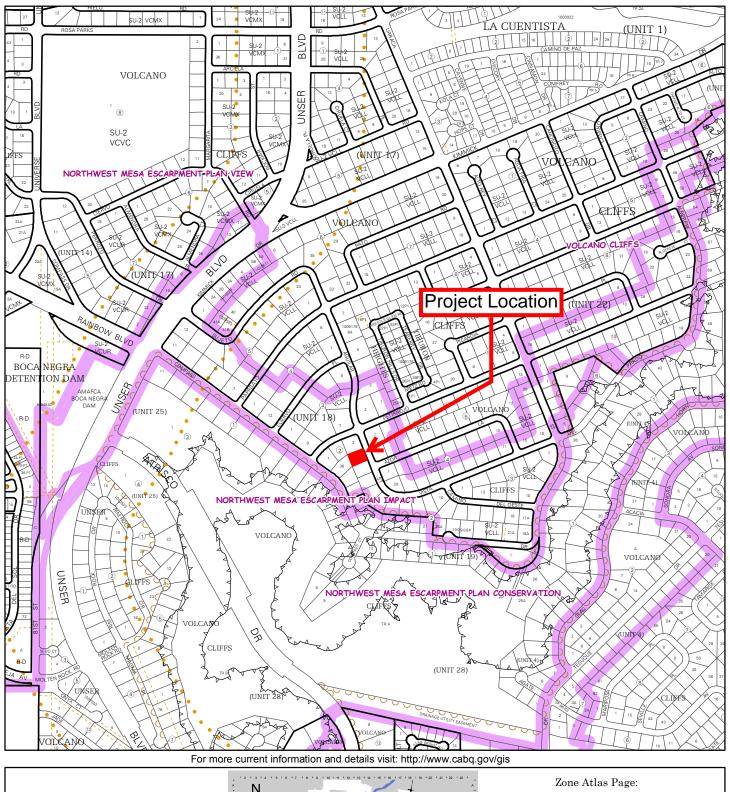
City of Albuquerque

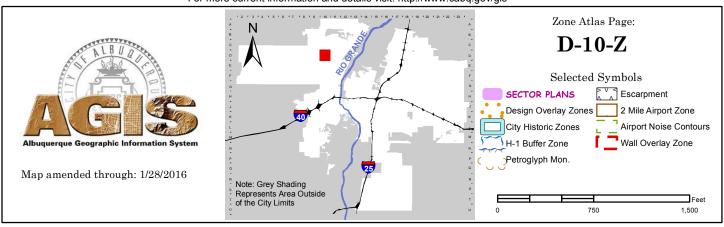
Planning Department

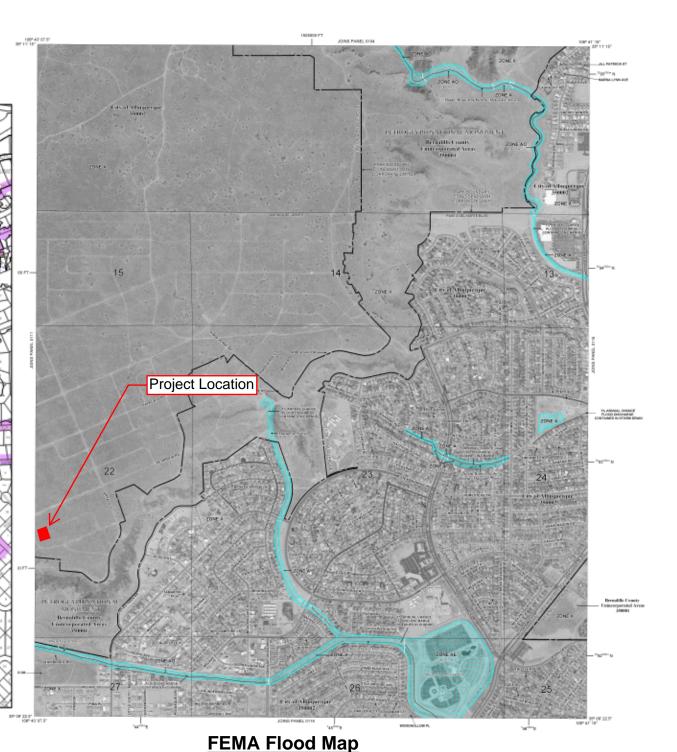
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

| Project Title: | | Building Permit #: | City Drainage #: | | | | |
|---|---------------|--------------------|---|--|--|--|--|
| | | | rk Order#: | | | | |
| Legal Description: | | | | | | | |
| City Address: | | | | | | | |
| Engineering Firm: | | Cor | ntact: | | | | |
| Address: | | | | | | | |
| Phone#: | Fax#: | E-m | nail: | | | | |
| Owner: | | Cor | ntact: | | | | |
| Address: | | | | | | | |
| Phone#: | Fax#: | E-n | nail: | | | | |
| Surveyor: | | Cor | ntact: | | | | |
| Address: | | | | | | | |
| Phone#: | Fax#: | E-m | nail: | | | | |
| Contractor : | | Cor | ntact: | | | | |
| Address: | | | | | | | |
| Phone#: | Fax#: | E-n | nail: | | | | |
| DEPARTMENT: HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CO | ONTROL | BUILDING PERM | CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY | | | | |
| | | | | | | | |
| TYPE OF SUBMITTAL: ENGINEER/ ARCHITECT CERTIF | TCATION | | PRELIMINARY PLAT APPROVAL | | | | |
| ENGINEER/ ARCHITECT CERTII | TCATION | | SITE PLAN FOR SUB'D APPROVAL | | | | |
| CONCEPTUAL G & D PLAN | | | SITE PLAN FOR BLDG. PERMIT APPROVAL FINAL PLAT APPROVAL | | | | |
| GRADING PLAN | | | SIA/ RELEASE OF FINANCIAL GUARANTEE | | | | |
| DRAINAGE MASTER PLAN | | | FOUNDATION PERMIT APPROVAL | | | | |
| DRAINAGE REPORT | | | GRADING PERMIT APPROVAL | | | | |
| CLOMR/LOMR | | | SO-19 APPROVAL | | | | |
| | | PAVING PERMIT | | | | | |
| TRAFFIC CIRCULATION LAYOU | UT (TCL) | | GRADING/ PAD CERTIFICATION | | | | |
| TRAFFIC IMPACT STUDY (TIS) | | | WORK ORDER APPROVAL | | | | |
| EROSION & SEDIMENT CONTR | OL PLAN (ESC) | CLOMR/LOMR | CLOMR/LOMR | | | | |
| OTHER (SPECIFY) | | PRE-DESIGN MEET | TING | | | | |
| | | | /) | | | | |
| IS THIS A RESUBMITTAL?: Yes | No | 5 (2 - 2011) | , | | | | |
| | | | | | | | |
| DATE SUBMITTED: | D | | | | | | |







Vicinity Map

Project Location

Narrative

VOLCANO

This is a grading and drainage Plan for the construction of the building pad for the Lot at address 7835 Aguila St. NW (Lot #1, Block #2, Volcano Cliffs Subdivision Unit 19, a part of Special Assessment District 228)

The purpose of this plan is to establish the first floor elevation, house layout, and lot drainage including offsite flows. This drainage report has been prepared in accordance with the latest revision to the City of Albuquerque Development Process Manual. The development of the lot must comply with the SAD 228 Drainage Report dated January 2012

First Flush

The initial 'First Flush' to be managed on this lot is 0.44" less 0.10" initial abstraction, resulting in a net of 0.34" rainfall, or 181 cubic feet. The initial storage on site will be collected and held in the two landscape ponds near the street as shown on the Plan.



Native Sheet Size: 22" x 17"

GRADING

Drainage Intent:

Existing Conditions: This lot is an 0.287 Acre

Southwest, with minimal offsite flows. Street

development (Pond 6 near the intersection of

Proposed Conditions: Improvements to the lot

large retention pond at the SE end of the

Urracca St. and and Compass Ct).

by undeveloped residential lots, with frontage to

drainage flows south, eventually contained in the

property, that is bound to the North, West and South

Aguila St. to the East. The lot generally drains to the

COMPACTED FOUNDATION

SOIL BELOW FOOTING

| Lot 1, Block 2, Volcano Cliffs Unit 19 | | | | | | | | | | | | |
|--|---------------|----------|---------|-------------------|-----------------|---------------------|-------------------|----------------|----------------|--|--|--|
| Land | | Property | SAD 228 | 100-Yr Storm | Excess | Peak Discharge | Peak Rate of | 100-Yr Storm | First Flush | | | |
| Type | Area Lot (SF) | Area % | DMP % | Inch Depth (6 hr) | Precip (In) | CFS/AC | Discharge (CFS) | Volume (Ac-Ft) | Volume (Ac-Ft) | | | |
| Type D | 5887 | 47% | 50% | 2.20 | 1.97 | 4.37 | 0.59 | 0.022 | 0.003829 | | | |
| Type C | 4614 | 37% | 40% | 2.20 | 0.99 | 2.87 | 0.30 | 0.009 | 0.000794 | | | |
| Type B | 2000 | 16% | 10% | 2.20 | 0.67 | 2.03 | 0.09 | 0.003 | - | | | |
| | 12501 | 100% | 100% | | | | 0.99 | 0.033 | 0.004624 | | | |
| | | | | | Peak Discharge: | 0.988 CFS | | | | | | |
| Total Drainage Basin Area: | | 12501 SF | | 1 | | First Flush Volume: | 201.403 Cubic Ft | | | | | |
| | | 0.287 AC | | | | 100-Yr Storm Volume | 1458.771 Cubic Ft | | | | | |

