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: Lot 19, Block 6, Unit 22 S.A.D. 227

8000 Camino Alto Ct. NW Grading and Drainage Plan

Engineers Stamp Date 6/13/19 (D10D003B19)

Mr. Luehring,

Based upon the information provided in your submittal received 6/14/19, 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.

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 6/13/19 must be provided with the wall permit application.

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

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

Sincerely,

Albuquerque

NM 87103

www.cabq.gov

James D. Hughes, P.E./ Principal Engineer, Hydrology

Planning Department

RR/JDH

C: File D10D003B19



City of Albuquerque

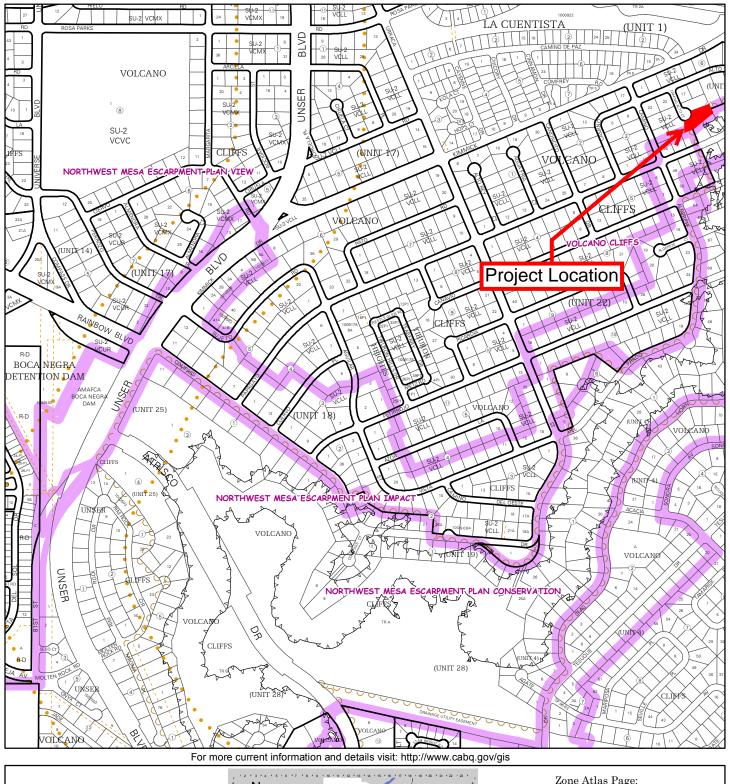
Planning Department

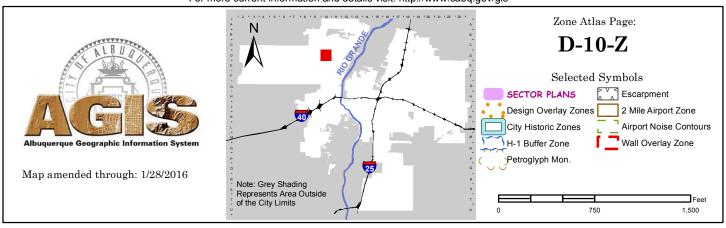
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

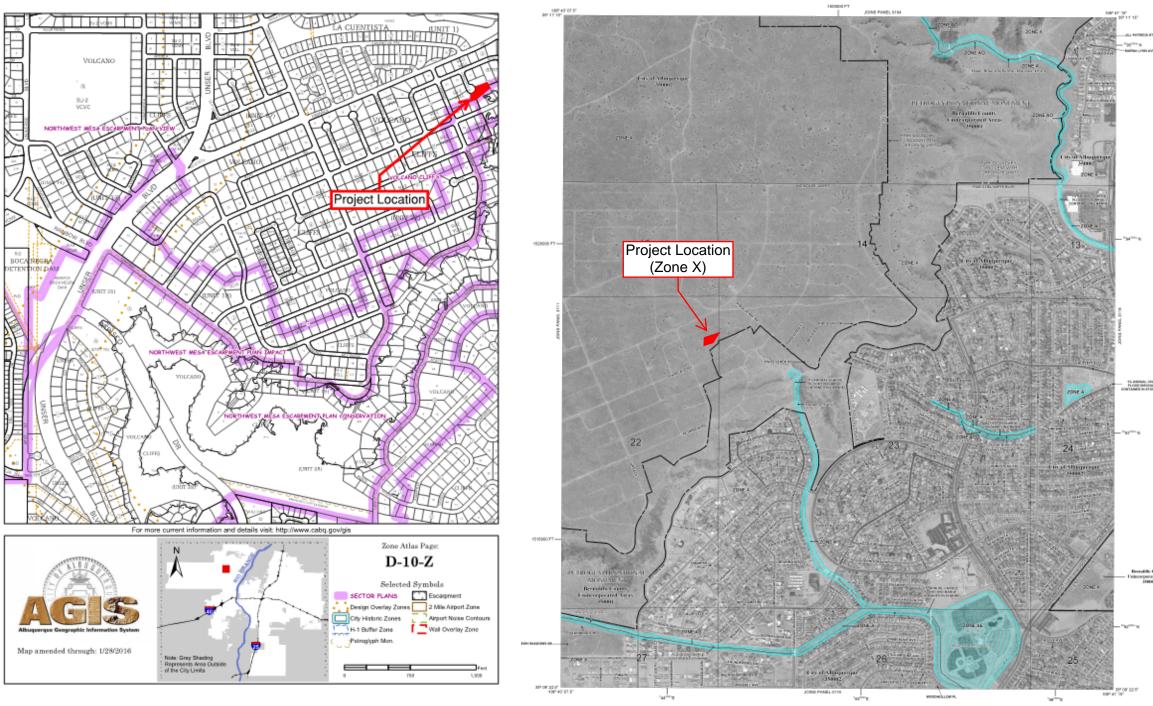
Project Title:		Building Permit #:	City Drainage #:	
Legal Description:				
City Address:				
Engineering Firm:		Cor	ntact:	
Address:				
Phone#:	Fax#:	E-m	nail:	
Owner:		Cor	ntact:	
Address:				
Phone#:	e#: Fax#:		nail:	
Surveyor:		Cor	Contact:	
Address:				
hone#: Fax#:		E-m	nail:	
Contractor :		Cor	Contact:	
Address:				
Phone#:	Fax#:		nail:	
Check all that Apply: DEPARTMENT: HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL		CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY		
TOTAL OF CLIDATIZE A				
TYPE OF SUBMITTAL: ENGINEER/ ARCHITECT CERTIFICATION		PRELIMINARY PLAT APPROVAL		
		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 APPROVAL	
TRAFFIC CIRCULATION LAYOUT (TCL)			GRADING/ PAD CERTIFICATION	
TRAFFIC IMPACT STUDY (TIS)			WORK ORDER APPROVAL	
EROSION & SEDIMENT CONTROL PLAN (ESC)		CLOMR/LOMR	CLOMR/LOMR	
OTHER (SPECIFY)		PRE-DESIGN MEETING		
			OTHER (SPECIFY)	
IS THIS A RESUBMITTAL?: Yes	No	5 (2 - 2011)	,	
DATE SUBMITTED:	D			

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____









Vicinity Map

Narrative

This is a grading and drainage plan for the construction of the building pad and general grading for the Lot at address 8000 Camino Alto Ct. NW (Lot #19, Block #6, Volcano Cliffs Subdivision Unit 22, a part of Special Assessment District 228)

The purpose of this plan is to establish the first floor elevation, house layout, retaining wall locations, and general lot drainage of the site. This drainage plan has been prepared in accordance with the latest revision to the City of Albuquerque Development Process Manual, and in accordance with Plate 3 of the SAD 228 Drainage Report dated November 2011. This front portion of this lot (referred to as 'Basin A' in this plan) is designed to drain to the street and eventually to Pond 7 (Basin 204 in SAD 228 drainage report), while the back portion (referred to as 'Basin B' in this plan) is intended to free discharge to the south national monument. There are negligible offsite flows on this property, as the norther adjacent lot detains all runoff on site. The site is located in rainfall 'Zone 1' per the DPM.

FEMA Flood Map

First Flush

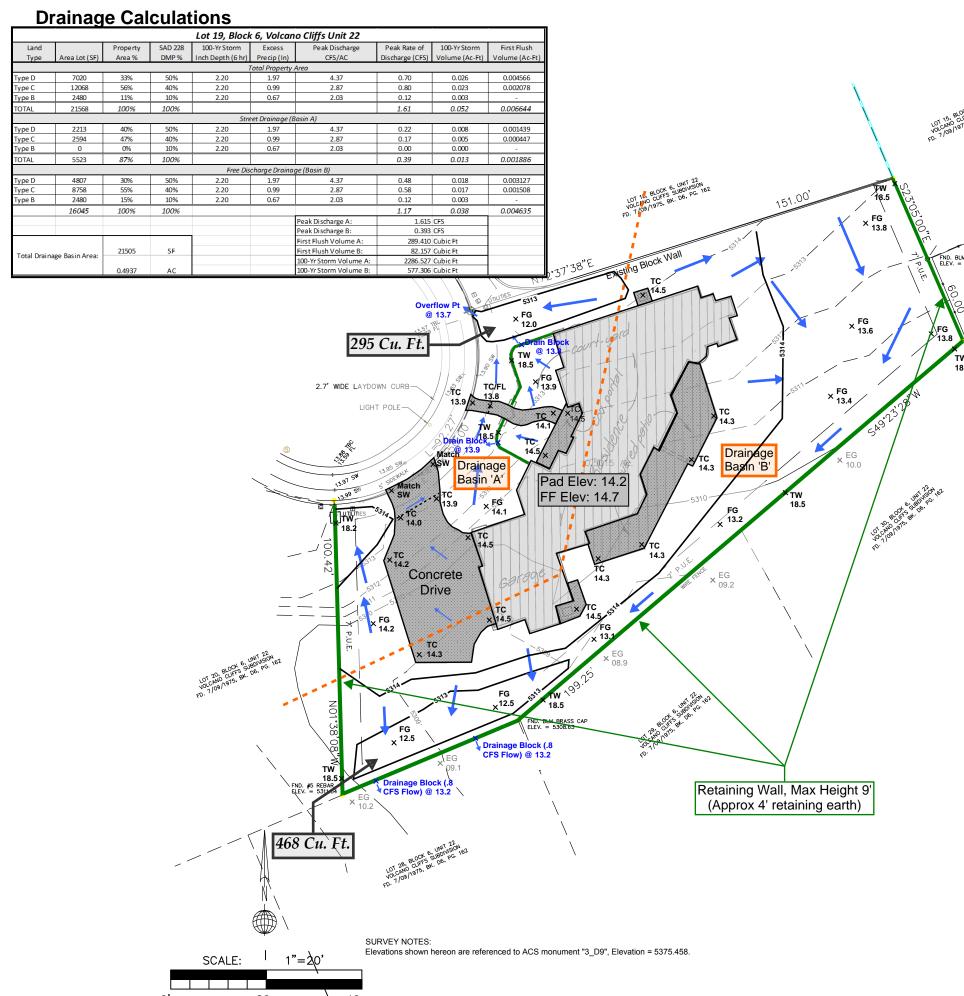
The initial 'First Flush' to be managed on this lot is 0.44" less 0.10" initial abstraction, resulting in a net of 0.34" rainfall. This results in a required storage volume of 289 Cu. Ft. in Basin A (draining to the street), and 82 Cu. Ft. in Basin B. These storage volumes will be collected on site and held in the small ponds shown on the Plan.

Engineer's Certification

I, Jesse Luehring, hereby certify that I have inspected the site, and that all existing grades are accurately reflected in the topographic survey obtained to develop this grading and drainage plan.







Native Sheet Size: 11" x 17"

1. All perimeter walls shall be permitted separately

2. No grading shall be allowed on adjacent properties

3. A pad certification is required before the building permit is issued

- 4. An as-built certification is required before certificate of occupancy is issued.
- 5. All disturbed areas shall be stabilized with concrete, gravel, asphalt, or native seed mix
- 6. It is recommended to contract with a licensed geotechnical engineer for all aspects of earthwork and engineered fill material
- 7. Driveway cutout not shown, but shall comply with NM Standard Specs for Public Works Construction, specifically Std Detail 2425

Drainage Intent:

General Notes

Existing Conditions: This lot is an 0.4937 Acre property, that is bound to the North by a developed lot which detains all flows. To the West and East the lot is bounded by undeveloped lots, with open space to the South. The lot generally drains to the Southwest, with negligible offsite flows. The SAD 228 DMP assumes partial flows from this lot to the North ('Basin A') and partial flows to the South ('Basin B"). The North drainage flow to the street, which is eventually collected in Pond 7 on Camino Alto St. The south end drainage discharges to the open space.

Proposed Conditions: Improvements to the lot include a new residence and concrete driveway that will add approximately 7020 SF of impervious area, or 33% of the property area (SAD 228 DMP allows up to 50%).

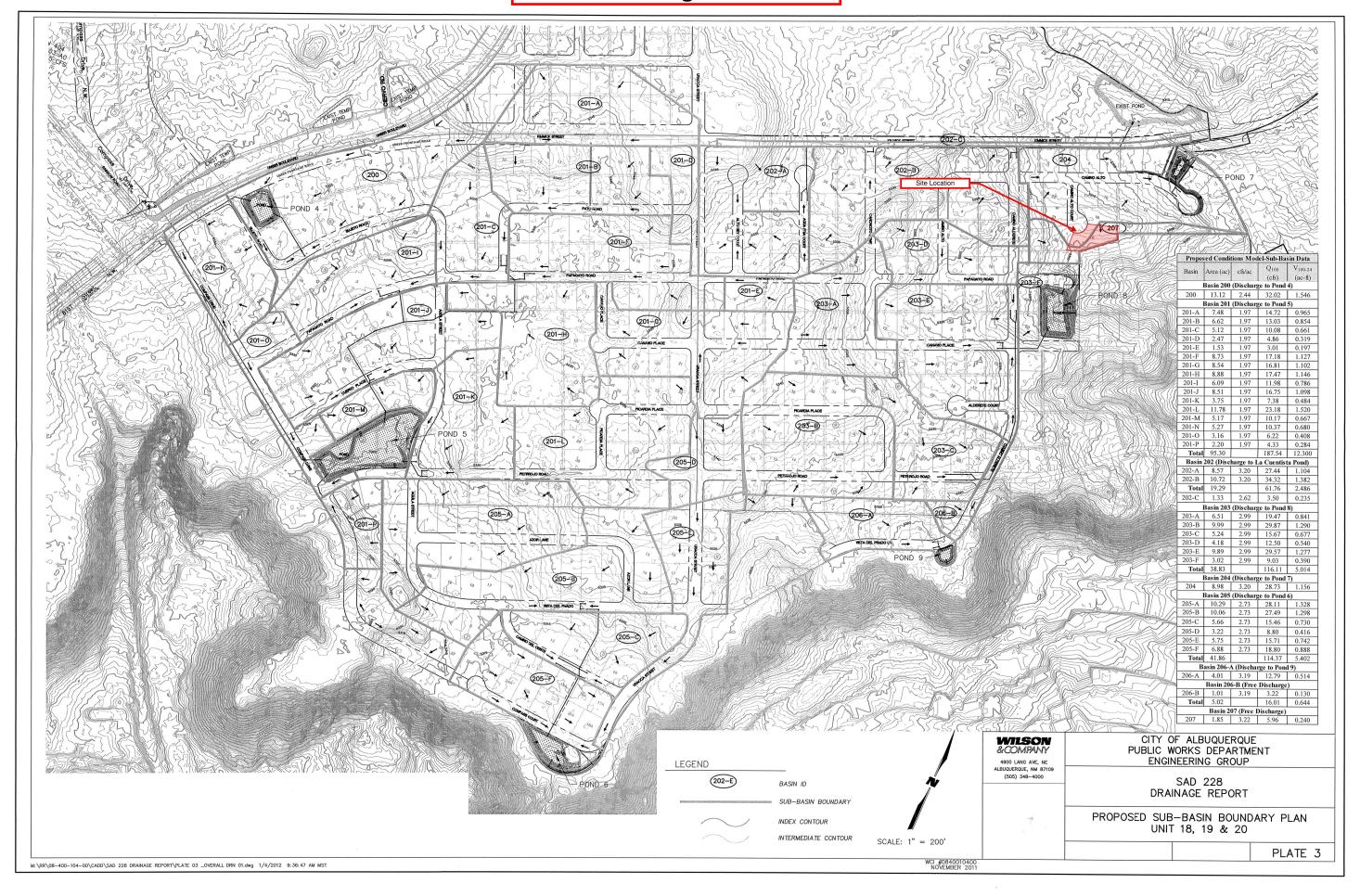
Two water quality retention ponds with a combined volume of 763 Cu. Ft. are designed to capture the 'first flush' of approximately 371 CF (289 CF in Basin 'A' and 82 CF in Basin 'B'). The existing sandy loam soils at the site are well drained (hydrologic soil group 'B') which will ensure a short retention

Additional improvements will include the construction of approximately 258 LF of varying height, retaining site garden wall (designed by others). These walls may retain up to 4' of soil.

The Basin B flows traversing through this wall will be conveyed through 2 separate CMU blocks turned sideways, which will allow 0.8 CFS of flow each, enough to accommodate the Q max of 1.17 CFS.

Flows in the front of the property (Basin 'A') will flow to a water quality pond at the NW end to the lot, and overflow to the street in heavy rainfall events.

SAD 228 Drainage Master Plan





City of Albuquerque Planning Department

One Stop Shop – Development and Building Services

06/12/2019 Issued By: E08375 364897

Permit Number:

2018 061 215

Category Code 970

Application Number:

18REV-61215, Review: Drain Plan-Lomr-Traffic Impact

Address:

Location Description:

8000 CAMINO ALTO

Project Number:

null

Applicant

CRITICAL VIEW ENGINEERING

Agent / Contact CRITICAL VIEW ENGINEERING

11501 MODESTO AVE NE

NM

11501 MODESTO AVE NE

Application Fees

REV Actions

\$160.00

TOTAL:

\$160.00



Date:

6/12/2019

Office: ANNEX

Cashier: TRSRMS Tran #: 34

Batch: 10406

Station ID

4:37 PM Office

ANNEX

Receipt #: 00575570

2018061215 Permit: \$160.00 Trans Amt:

0909 REV Actions

\$160.00

Payment Total:

\$160.00

Transaction Total:

\$160.00

VISA Tendered:

\$160.00

Thank you for your payment. Have a nice day!

Coshier : TRSRMS