

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

February 8, 2023

David Soule, P.E.  
Rio Grande Engineering  
P.O. Box 93924  
Albuquerque, NM 87199

**RE: 1001 Adobe Rd. NW**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 10/07/22**  
**Engineer's Certification Date: 01/31/23**  
**Hydrology File: F14D081**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 02/02/2023, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 1001 Adobe Rd. NW. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

**PRIOR TO CERTIFICATE OF OCCUPANCY:**

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (G): Engineer's Certification Checklist for Subdivision and Part 6-14 (H): Required Certification Language is required.

www.cabq.gov

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department



# City of Albuquerque

Planning Department  
Development & Building Services Division

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

**Project Title:** 1001 ADOBE NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** TRACT B, LANDS OF JACK CULLY  
**City Address:** 1001 ADOBE 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: \_\_\_\_\_









Equations:		
Weighted E = Ea* <i>Aa</i> + Eb* <i>Ab</i> + Ec* <i>Ac</i> + Ed* <i>Ad</i> / (Total Area)		
Volume = Weighted D * Total Area	First flush requirement	204 cu ft
Flow = Qa * <i>As</i> + Qb * <i>Ab</i> + Qc * <i>Ac</i> + Qd * <i>Ad</i>		
Where for 100-year, 6-hour storm(zone1)		
Qa= 1.54		
Ea= 0.55		
Eb= 0.73		Qb= 2.16
Ec= 0.95		Qc= 2.67
Ed= 2.24		Qd= 4.12

This site is an redevelopment of a previously developed lot. The site will conform to the valley flat area drainage scheme. The site will retain the 100-year 24-hour volume. The ponds will overflow to the street in the event of a storm exceeding the 100-year event. The surrounding are is flat, offsite flows are not allowed. The first flush volume is retained on site.

**EROSION CONTROL NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE 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 EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATED 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.

**City of Albuquerque**  
Planning Department  
Development Review Services  
**HYDROLOGY SECTION**  
**APPROVED**  
DATE: 02/08/23  
BY: *Randy C. Brissett*  
HydroTrans #: F14D081

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSIDERED A GUARANTEE OF THE ACCURACY OF ANY CITY OR COUNTY DATA OR THE CITY OF ALBUQUERQUE'S DESIGN OR SPECIFICATIONS, OR CONSTRUCTION. SUCH APPROVED PLANS SHALL NOT BE CHANGED WITHOUT THE CITY'S WRITTEN AUTHORIZATION.

RETENTION POND  
TOP=76.25  
BOTTOM=75.25  
VOLUME=5025 CF

FF=4977.75  
FP=4977.25

TURN BLOCK  
@ 47.10

CP-1 (NAIL)  
N=1507047.32  
E=1519370.31

16.5' PUBLIC WATER & SEWER EASEMENT

RETENTION POND  
TOP=76.25  
BOTTOM=74.00  
VOLUME=1409 CF

EARTHEN SWALE  
NTS

CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

2'

4"

PLACE 2" LAYER OF GRAVEL AT FLOW LINE

10 5 0 5 10

SCALE: 1"=10'

DAVID SOULE  
NEW MEXICO  
14522  
REGISTERED PROFESSIONAL ENGINEER

1/31/23

Treatment C		Treatment D		100-Year, 24-hr		100-yr 24-Hour	
%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
0%	0.000	0%	0.000	0.550	0.023	0.77	0.023
27%	0.135	33%	0.165	1.288	0.054	0.82	0.065

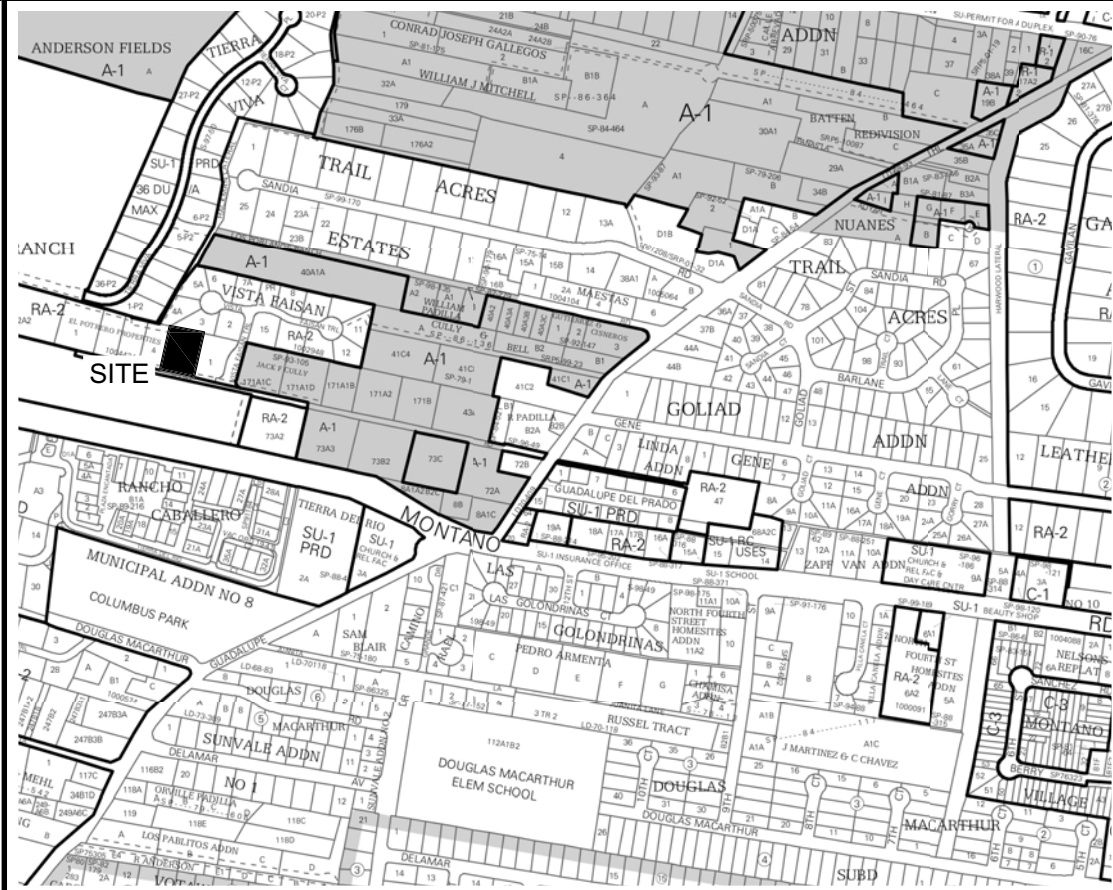
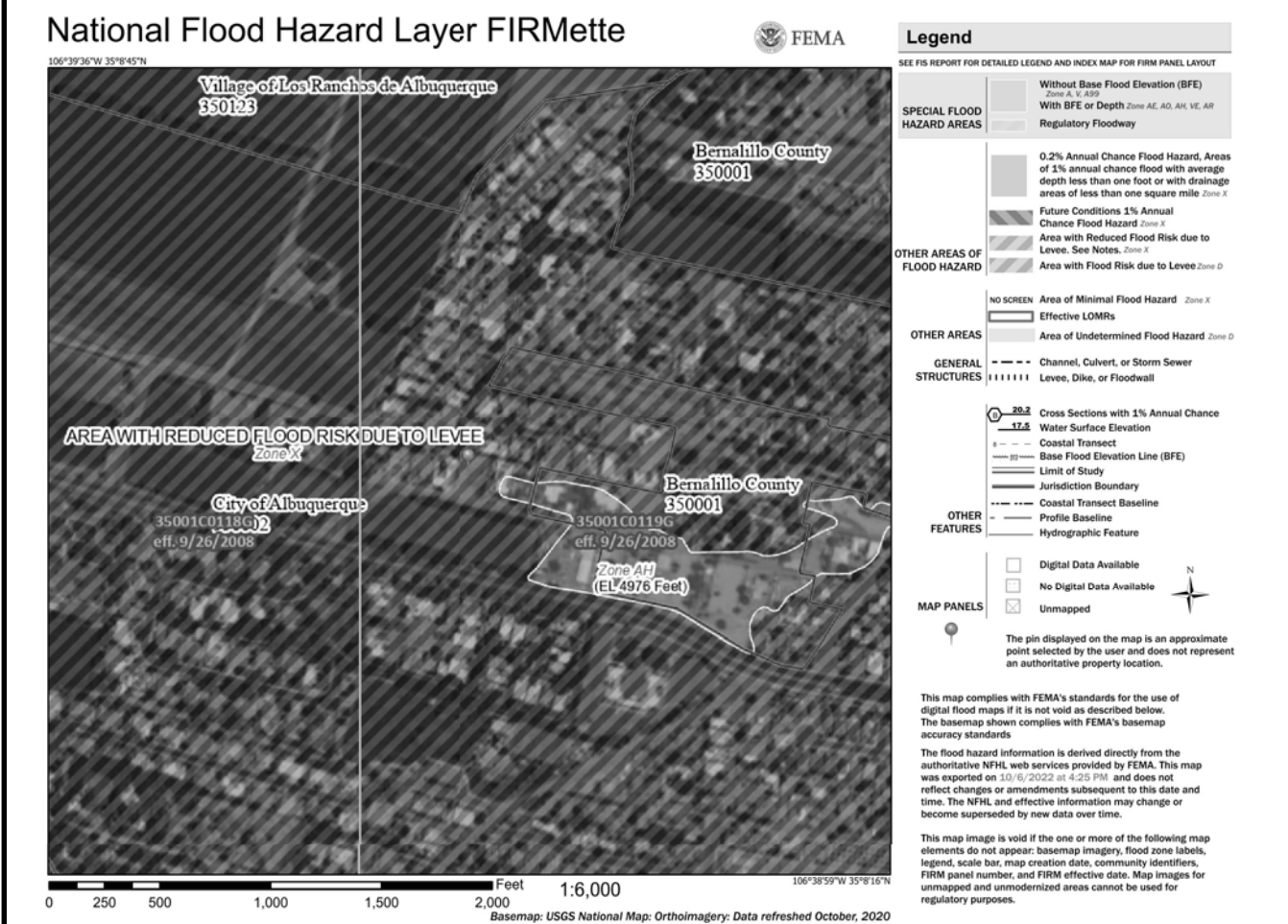
First flush requirement

204 cubic feet

conform to the valley flat area drainage scheme. The site will retain the 100-year 24-hour event. The surrounding area is flat, offsite flows are not allowed to enter the site.

ALLIANCE ENGINEERS, P.C. HAS VISUALLY INSPECTED THE SITE. I HEREBY CERTIFY THAT THE SITE WAS CONSTRUCTED SUCH THAT IT IS IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S APPROVED GRADING PLAN DATED 10/7/22.

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.

**VICINITY MAP: F-14-Z**

**FIRM MAP:**

**LEGAL DESCRIPTION:**

TRACT B, LAND OF JACK F. CULLY  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

**NOTES:**

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.  
POUNDING WITHIN 1.0' OF SURFACE
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.

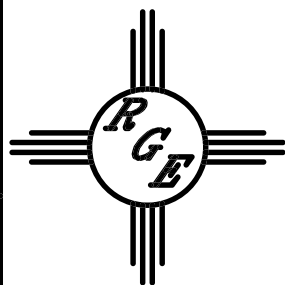
## LEGEND

- 
- Figure 1: Plan view of a proposed concrete curb and gutter. The diagram illustrates the layout of a road section, showing existing and proposed contours, spot elevations, boundaries, and the proposed concrete curb and gutter. A small inset box at the bottom left shows a detail of the concrete curb with dimensions:  $d$  (width),  $d$  (height),  $d$  (radius), and  $d$  (width).

TRACT B LAND OF JACK F CULLY

1001 ADOBE ROAD NW


# GRADING AND DRAINAGE PLAN



*Rio Grande  
Engineering*

ALBUQUERQUE, NM 87199  
(505) 321-9099

DRAWN  
BY

BY DEM

DATE  
10-7-22

TRACT BLAND OF JACK F CULLY.DWG

SHEET #

C1

**JOB #**