

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

January 24, 2020

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

**RE: 833 Dolores Dr. NW  
Grading and Drainage Plan  
Engineer's Stamp Date: 01/17/20  
Engineer's Certification Date: 12/24/19  
Hydrology File: J11D040**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your Certification received on 01/21/20 and site photos sent on 01/23/20, the above referenced Certification is acceptable for Building Pad Certification for 833 Dolores Dr. NW.

Albuquerque

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required. Also a formal Elevation Certificate needs to be submitted to Hydrology.

NM 87103

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

[www.cabq.gov](http://www.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:** 833 DOLORES NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #.** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 51 HC GONZALES ADDITION  
**City Address:** 833 DOLORES NW

**Applicant:** ROMAN CHACON **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 APPROVAL/ACCEPTANCE SOUGHT:**  
 BUILDING PERMIT APPROVAL  
\_\_\_ CERTIFICATE OF OCCUPANCY

**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?

\_\_\_ 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) \_\_\_\_\_

IS THIS A RESUBMITTAL?:  Yes \_\_\_ No

DATE SUBMITTED: \_\_\_\_\_ By: \_\_\_\_\_

COA STAFF: \_\_\_\_\_

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

December 19, 2019

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

**RE: 833 Dolores Dr. NW**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 12/13/19**  
**Hydrology File: J11D040**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 12/13/2019, the Grading and Drainage Plan **is not** approved for Building Permit. The following comments need to be addressed for approval of the above referenced project:

Albuquerque

NM 87103

www.cabq.gov

1. As stated on the plans, this site is located in a floodplain (AH – Elev 5907) and must have a floodplain development permit prior to issuing the Building Permit. The permit application must demonstrate zero rise to the base flood elevation, unless a Letter of Map Revision (LOMR) is being prepared. Please contact Rudy Rael, CFM for more information regarding floodplain development permits ([rrael@cabq.gov](mailto:rrael@cabq.gov) or 924-3977).
2. Since this needs only needs a floodplain development permit, an administration fee of \$40 will be required at the time of resubmittal.

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

**Weighted E Method**

Basin	Area (sf)	Area (acres)	Treatment				100-Year, 6-hr.		Flow cfs
			Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	
ALLOWED	8680.00	0.199	100%	0%	0%	0%	0.440	0.007	0.26
PROPOSED	8680.00	0.199	0%	20%	0.040	32%	0.0638	48%	0.096
COMPARISON							1.396	0.023	0.88
								0.016	

**Equations:**

Weighted E = Ea\*Aa + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area)

Volume = Weighted E \* 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	0	2644
FLOOD CONTROL	1010	2644

**Narrative**

This site is within a fully developed area of Albuquerque. The site lies within flood zone AH. The base flood elevation is 5907 msl. The site currently does not drain. The proposed development will set the finished pad (highest adjacent grade) at 5908, which is 1 foot above the flood plain. The site will retain the entire flow generated by the lot. The lot will fill the the flood plain elevation and enter the roadway and adjacent flood plain in the 100 year event. A flood plain permit and elevation certificate to FEMA will be required.

I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 12/24/19 BASED UPON APPROVAL FROM DESIGN ENGINEER THE PAD HAS BEEN CONSTRUCTED 12" LOWER. THE DRAINAGE CONCEPT HAS NOT CHANGED. I CERTIFY THE PAD IS AT A GRADE THAT CONFORMS TO THE APPROVED PLAN AND ACCEPTABLE FOR RELEASE OF BUILDING PERMIT



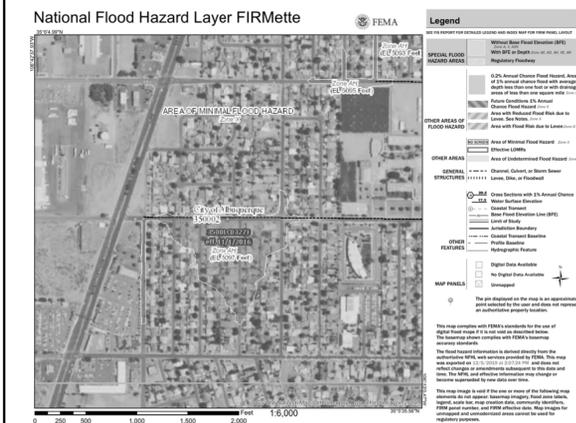
1/17/20

**EROSION CONTROL NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



**VICINITY MAP: J-11-Z**



**FIRM MAP:**

**LEGAL DESCRIPTION:**

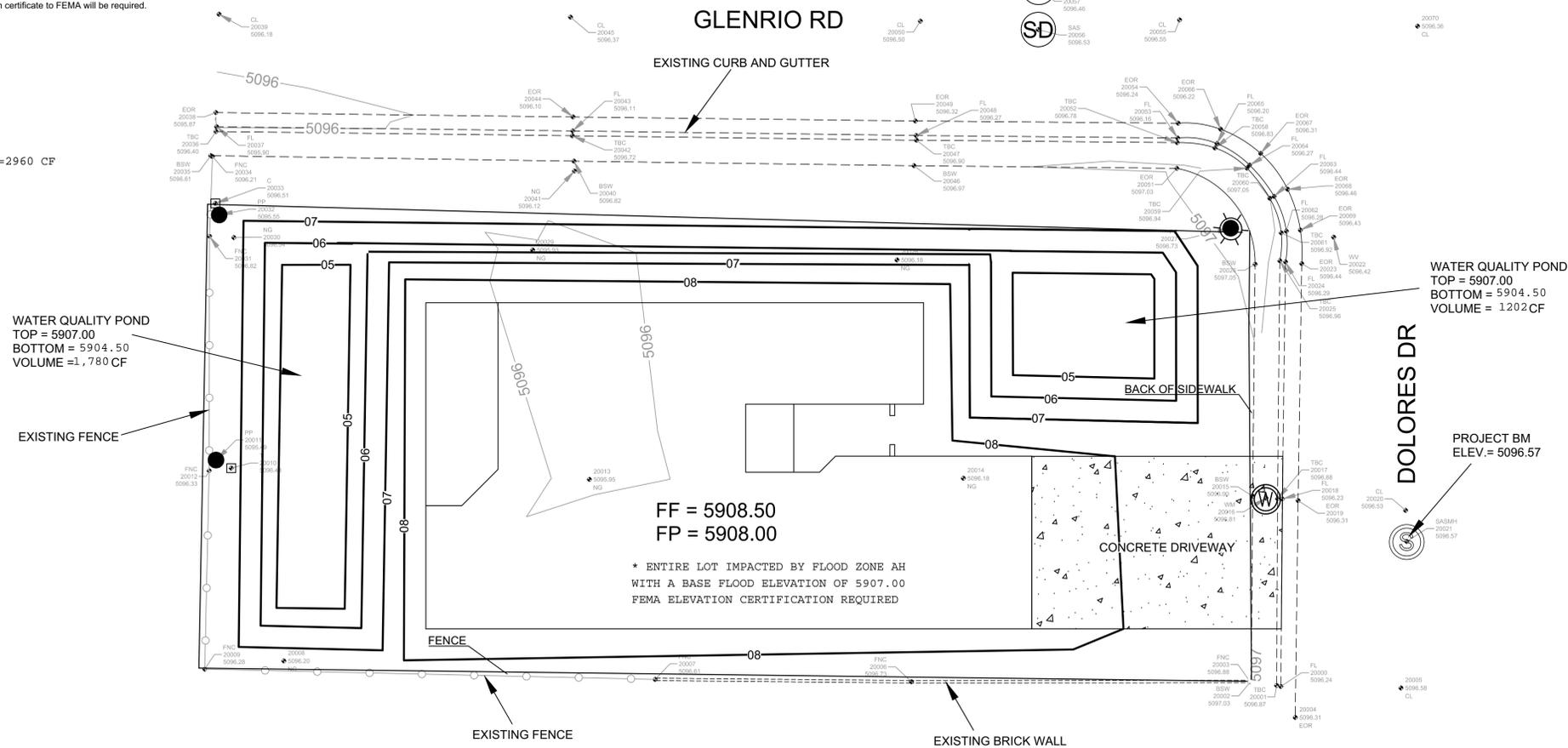
833 DOLORES DR. CITY OF ALBUQUERQUE COUNTY OF BERNALILLO, NEW MEXICO

**NOTES:**

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

**LEGEND**

---XXXX---	EXISTING CONTOUR
- - - - -	EXISTING INDEX CONTOUR
-----	PROPOSED CONTOUR
-----	PROPOSED INDEX CONTOUR
•XXXX	EXISTING SPOT ELEVATION
•XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	PROPOSED EARTHEN SWALE
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
[Pattern]	PROPOSED GRAVEL DRIVEWAY
[Pattern]	PROPOSED CONCRETE DRIVEWAY



FLOOD PLAIN VOLUME FILLED  
AVG ELEV=5906.38  
THEREFORE VOLUME= .62 X 4741=2960 CF  
VOLUME PROVIDED=2982 CF

WATER QUALITY POND  
TOP = 5907.00  
BOTTOM = 5904.50  
VOLUME = 1,780 CF

WATER QUALITY POND  
TOP = 5907.00  
BOTTOM = 5904.50  
VOLUME = 1202 CF

PROJECT BM  
ELEV. = 5096.57

FF = 5908.50  
FP = 5908.00

\* ENTIRE LOT IMPACTED BY FLOOD ZONE AH  
WITH A BASE FLOOD ELEVATION OF 5907.00  
FEMA ELEVATION CERTIFICATION REQUIRED

**CAUTION:**

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.



ENGINEER'S SEAL	<b>833 DOLORES DR.</b> <b>GRADING AND DRAINAGE PLAN</b>	DRAWN BY DEM
		DATE 12-12-19
12/24/19	 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0899	833 DOLORES.DWG
DAVID SOULE P.E. #14522		SHEET # <b>C1</b>
		JOB #