

# CITY OF ALBUQUERQUE

*Planning Department*  
Brennon Williams, Director



*Mayor Timothy M. Keller*

March 17, 2021

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

**RE: 4409 10<sup>th</sup> St. NW**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 09/25/20**  
**Engineer's Certification Date: 03/07/21**  
**Hydrology File: G14D095**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 03/08/2021 and site photos sent on 03/17/21, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 4409 10th St. 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 approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

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:** 4409 10TH STREET NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 18 ROSSITER ADDITION  
**City Address:** 4409 10TH STREET 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: \_\_\_\_\_



<b>LEGEND:</b>		
<b>Weighted E = Ea*As + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)</b>		
<b>Volume = Weighted D * 1666 Area</b>	<b>First Rush</b>	<b>144 cfs</b>
<b>Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad</b>		
<b>Where for 100-year 8-hour storm (cms):</b>		
Ea = 0.53	Qa = 1.56	
Eb = 0.78	Qb = 2.28	
Ec = 1.13	Qc = 3.14	
Ed = 2.12	Qd = 4.7	
<b>Developed Conditions</b>	<b>TOTAL VOLUME</b>	
HISTORICAL DISCHARGE	1864 cfs	
PROPOSED DISCHARGE	2120.74	
PROVIDED STORMWATER STORAGE	2366	

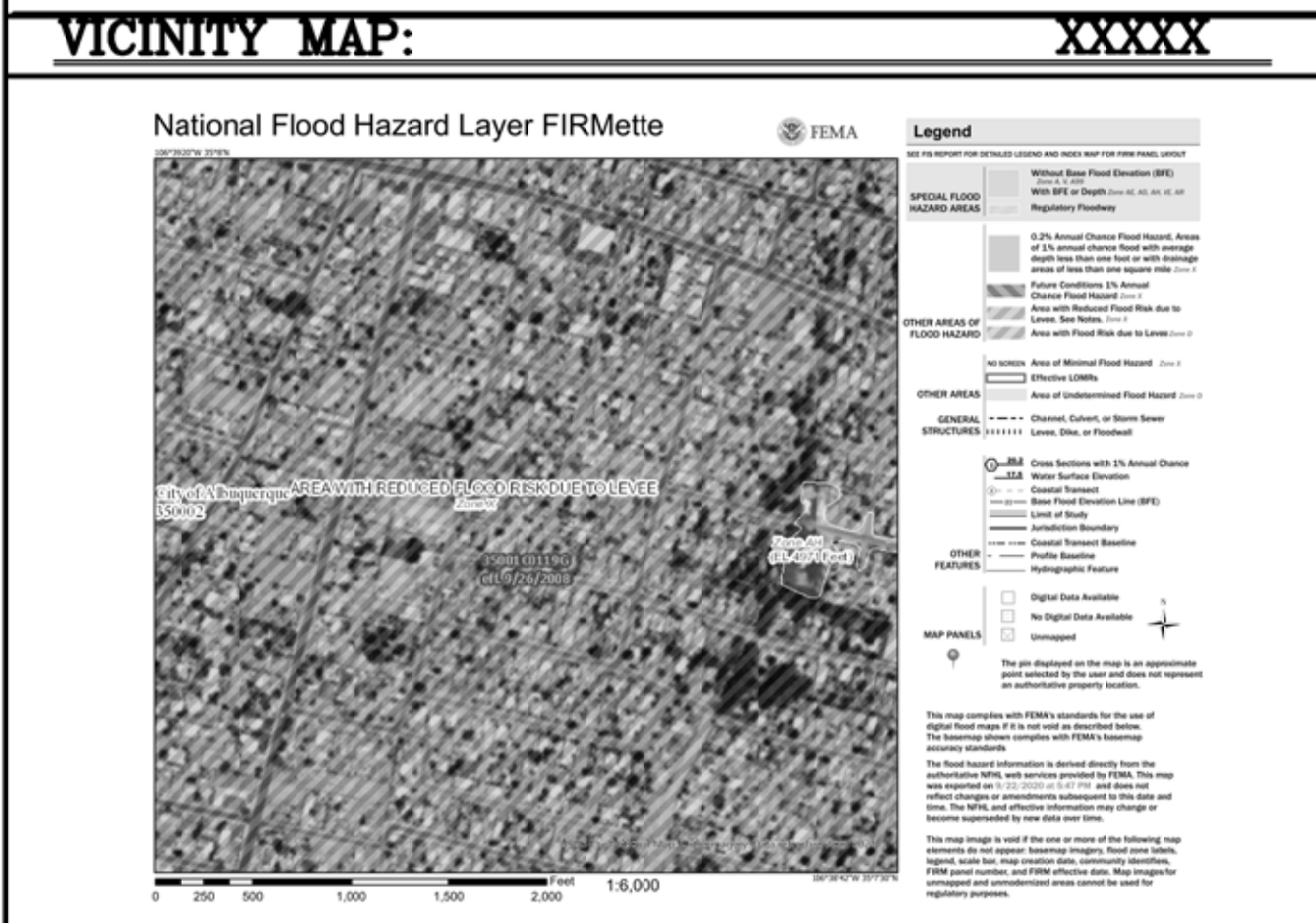
This site is an redevelopment of an existing developed lot. The site will conform to the valley flat area drainage strategy. The site will retain the 100-year 24-hour volume and pass this to the right of way. The first flush volume is retained on site.

The ponds will overflow to the street in the event of a storm exceeding the 100-year event. The surrounding area is flat, minor offsite flows are allowed to enter the site.



DAVID SOULE  
NEW MEXICO  
14522  
REGISTERED PROFESSIONAL ENGINEER

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.



4409 10TH STREET  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED USING NAVD DATUM 1988
5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

Diagram illustrating the proposed concrete driveway layout and associated contours and elevations:

- EXISTING CONTOUR (5001)
- EXISTING INDEX CONTOUR (5000)
- PROPOSED CONTOUR (5001)
- PROPOSED INDEX CONTOUR (5000)
- EXISTING SPOT ELEVATION (72.50)
- PROPOSED SPOT ELEVATION (72.50)
- BOUNDARY
- EXISTING WALL
- EXISTING CURB AND GUTTER
- PROPOSED EDGE OF CONCRETE
- PROPOSED CONCRETE DRIVEWAY

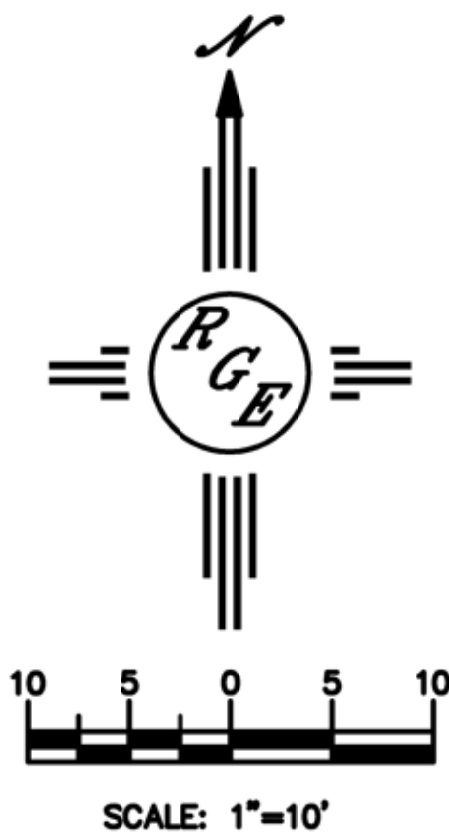
EXISTING UTILITIES ARE NOT SHOWN.  
IT SHALL BE THE SOLE RESPONSIBILITY  
OF THE CONTRACTOR TO CONDUCT ALL  
NECESSARY FIELD INVESTIGATIONS PRIOR  
TO ANY EXCAVATION TO DETERMINE THE  
ACTUAL LOCATION OF UTILITIES & OTHER  
IMPROVEMENTS.



City of Albuquerque  
Planning Department  
Development Services  
HYDROLOGIC SECTION

**APPROVED**

DATE: 03/17/21  
BY: *Renee C. Brissette*  
HydroTrans x G14ND095

THE APPROVAL OF THESE PLANS/PURPOSE SHALL NOT BE  
CONSIDERED TO PREVENT USE OF ANY OF ANY CITY  
ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT  
THE CITY OF ALBUQUERQUE FROM INITIATING  
CORRECTION, OR REVISION OR AMENDMENT OF PLANS,  
SPECIFICATIONS, OR CONSTRUCTIONS, SUCH APPROVED PLANS  
SHALL NOT BE CHANGED OR MODIFIED WITHOUT  
AUTHORIZATION.



ENGINEER'S SEAL	4409 10th Street	DRAWN BY DEM
		DATE 9-24-20
	GRADING AND DRAINAGE PLAN	4409 10TH ST. DWG
9/25/20	 <i>Rio Grande Engineering</i> 1606 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0899	SHEET #  C1
DAVID SOULE P.E. #14522		JOB #  XXXXX