

# CITY OF ALBUQUERQUE

*Planning Department*  
Alan Varela, Director



*Mayor Timothy M. Keller*

February 7, 2023

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

**RE: 3020 Rio Grande Blvd. NW**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 01/30/23**  
**Hydrology File: G13D030A**

Dear Mr. Soule:

Based upon the information provided in your submittal received 07/26/2022, the Grading & Drainage Plan is **not** approved for Building Permit and Grading Permit. The following comments need to be addressed for approval of the above referenced project:

1. Please provide survey information and grading all the way to Rio Grande Blvd.



PO Box 1293

Albuquerque

NM 87103

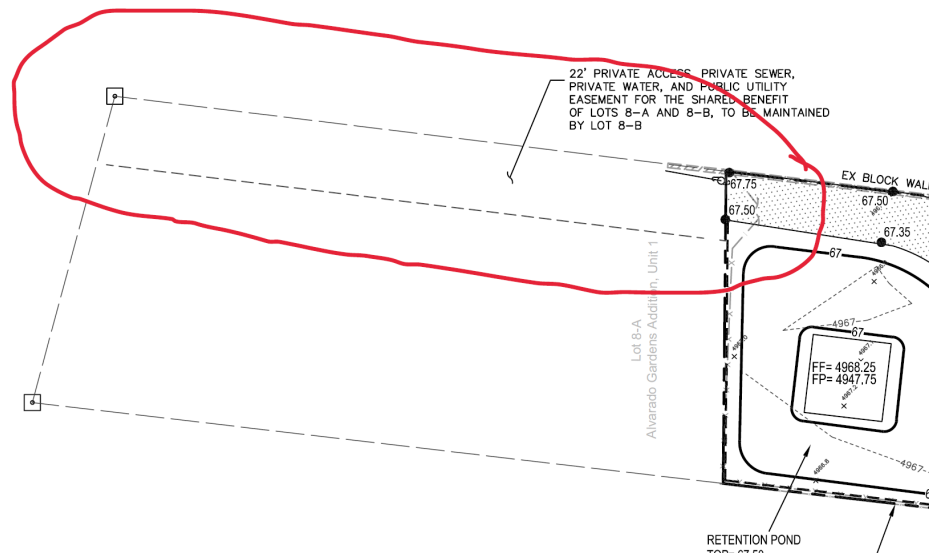
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2. Please label Rio Grande Blvd. on the drawing.
3. In the drainage writeup, it states that this site is a redevelopment of a previously developed lot. This is false. The lot was subdivided for a development that never happened. Also, it states, that the ponds will overflow to the street in the event of a storm exceeding the 100-year event, this is also not true. Rio Grande Blvd is a few feet higher than the site at the Right-of-Way and this site drains to the east towards this lot. More than likely this site will actually drain to the Campbell Ditch when it exceeds the 100-year event.
4. Since this site is in the Valley region, please follow Article 6-5 Valley Drainage Criteria of the DPM. The following conditions must be applied to the site:
  - a. The maximum percent impervious of the lot and the contributing area may not be greater than 45%.
  - b. Pad elevation shall be a minimum of one (1) foot above the 100 year 10-day stormwater surface elevation.
  - c. The flow between the front yard and back yard cannot be obstructed. The stormwater must be allowed to equalize to the same level between the front yard and back yard.
  - d. A permanent perimeter wall or barrier around the development is required to contain the 100 year 24 hour storm developed runoff.

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

Sincerely,

*Renée C. Brissette*

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

PO Box 1293

Albuquerque

NM 87103

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# City of Albuquerque

Planning Department  
Development & Building Services Division

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

**Project Title:** 3020 RIO GRANDE **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 8BE ALVARADO GARDENS UNIT 1  
**City Address:** 3020 RIO GRANDE 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: \_\_\_\_\_

Weighted E Method										
Basin	Area (sf)	Area (acres)	Treatment A %	Treatment B %	Treatment C %	Treatment D %	100-Year, 6-hr.		100 yr 24-HOUR	
							Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
Historical	38843.00	0.892	100%	0.8917	0%	0.000	0%	0.000	0%	0.000
PROPOSED	38843.00	0.892	0%	0	58%	0.517	31%	0.278	21%	0.187
								1.188	0.088	1.91
										0.101

Equations:

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

Volume = Weighted D \* Total Area

First flush requirement

231 cubic feet

Flow = Qa \* Aa + Qb \* Ab + Qc \* Ac + Qd \* Ad

Where for 100-year, 6-hour storm(zone1)

Ea= 0.55  
Eb= 0.73  
Ec= 0.95  
Ed= 2.24

Qa= 1.54  
Qb= 2.16  
Qc= 2.87  
Qd= 4.12.

Developed Conditons	TOTAL VOLUME
HISTORICAL DISCHARGE	1780 CF
PROPOSED GENERATION	4390 CF
PROPOSED PONDING	6671 CF

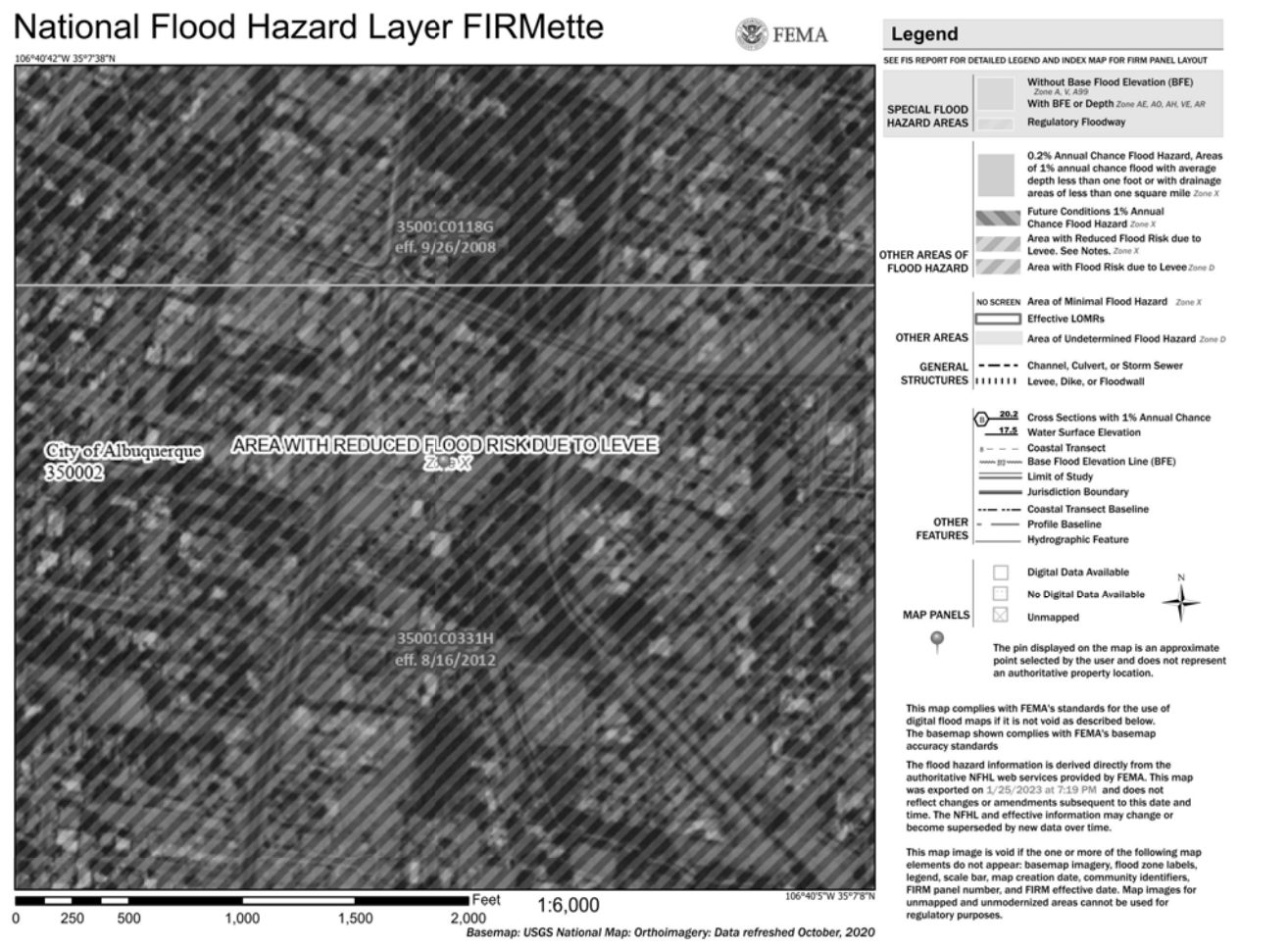
This site is an redevelopment of a previously developed lot. The site will conform to the valley flat area drainage scheme. The site will retain the 100-year 24-hour volume. The ponds will overflow to the street in the event of a storm exceeding the 100-year event. The surrounding are is flat, offsite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

## EROSION CONTROL NOTES:

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: G-13-Z



## FIRM MAP:

## LEGAL DESCRIPTION:

LOT 8-B ALVARADO GARDENS UNIT 1  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

## NOTES:

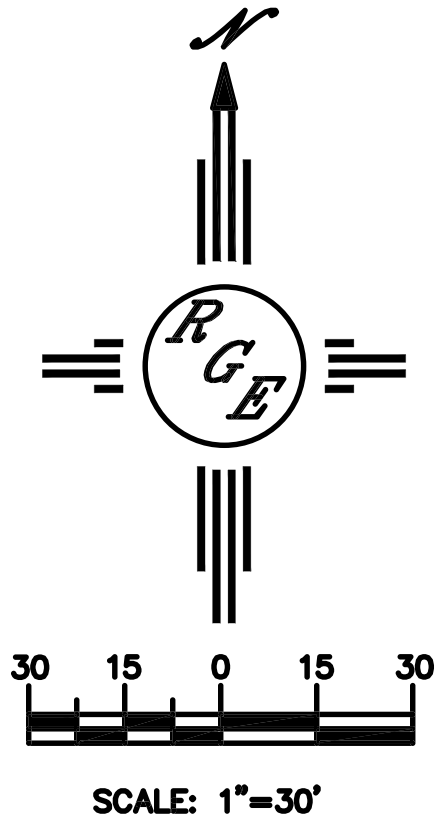
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES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


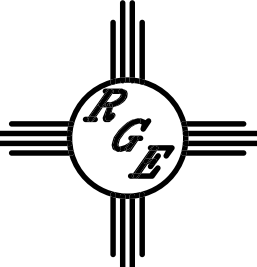
## LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
+ XXXX	EXISTING SPOT ELEVATION
● XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
-----	PROPOSED RETAINING WALL
-----	PROPOSED GRAVEL
-----	PROPOSED CONCRETE

## 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	LOT 8-B ALVARADO GARDENS ADD 3020 RIO GRANDE BOULEVARD  GRADING AND DRAINAGE PLAN	DRAWN BY DEM
		DATE 1-28-23
1/30/23	 P.O. BOX 33924 ALBUQUERQUE, NM 87199 (505) 321-9099	SHEET # C1
DAVID SOULE P.E. #14522		JOB #