

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

May 28, 2021

David Soule, PE
Rio Grande Engineering
1606 Central SE Suite 201
Albuquerque, NM 87106

RE: 2816 Carlota Rd NW
Permanent C.O. - Approved
Engineer's Certification Date: 5/25/21
Engineer's Stamp Date: 6/28/20
Hydrology File: H12D022

Dear Mr. Soule:

PO Box 1293

Based on the certification received 5/25/21 and a site visit on 5/28/21, this certification is approved for Permanent Certificate of Occupancy by Hydrology.

Albuquerque

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

Sincerely,

NM 87103

www.cabq.gov

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 2816 CARLOTA **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 2 ROBERTSON-ZAMORA TRACT
City Address: 2816 CARLOTA
Applicant: LITTLE BUBBAS **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)	100-Year, 6-hr.						10-day		
			Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Weighted E (ac-ft)	Volume (ac-ft)
EXISTING	8564.00	0.197	0%	0	36%	0.071	40%	0.0786	24%	0.047	1.242
PROPOSED	8564.00	0.197	0%	0	32%	0.063	30%	0.059	38%	0.073	1.394
COMPARISON	0.00	0.00	0%	0.000	-4%	-0.008	-10%	-0.020	14%	0.028	0.003

ALLOWED
EQUATIONS:

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

First flush requirement (Redevelopment=impx.26/12- New development=impx.34/12

Volume = Weighted D * Total Area

REQUIRED

PROVIDED

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

Where for 100-year, 6-hour storm

Ea= 0.53

Qa= 1.56

Eb= 0.78

Qb= 2.28

Ec= 1.13

Qc= 3.14

Ed= 2.12

Qd= 4.7

Developed Conditions

FLOOD CONTROL
INCREASE
TOTAL

10-DAY
269 CF
1429 CF

6-HOUR
109 CF
995

PROVIDED
1644
1644

NARRATIVE

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW HOME ON AN EXISTING LOT IN A FULLY DEVELOPED NEIGHBORHOOD. THE SITE IS LOCATED IN THE VALLEY DRAINAGE AREA. THE SITE IS ALLOWED TO RETAIN ON-SITE THE 100-YEAR, 6-HOUR VOLUME. THIS SITE SHALL RETAIN THE 100 YEAR, 6 HOUR VOLUME AS WELL AS THE 10-DAY EVENT. THE YARD WILL OVERFLOW TO CARLOTA STREET IN AN EMERGENCY.

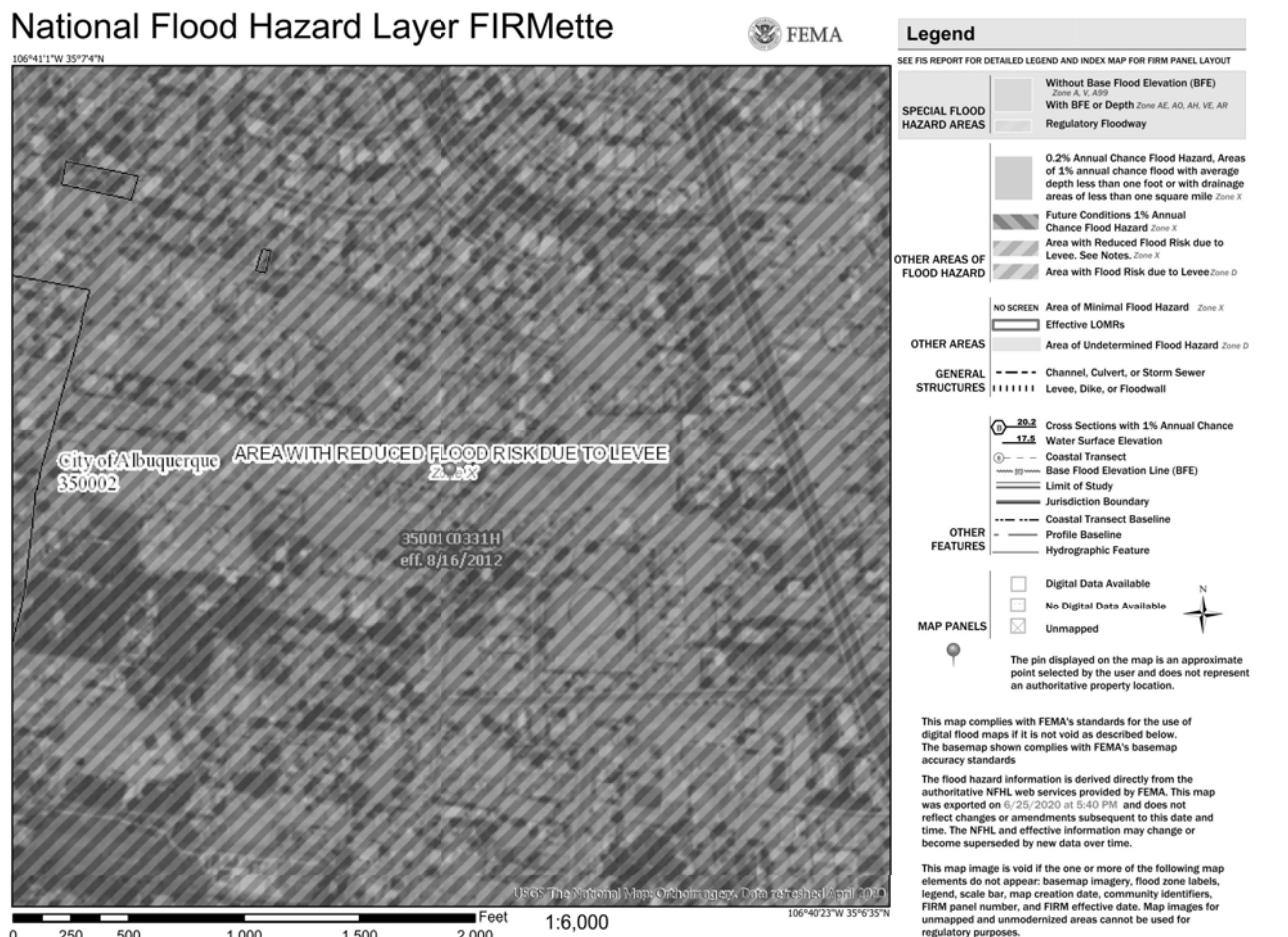
I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 6/28/20

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: H-12-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 2 ROBERTSON-ZAMORA TRACTS
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

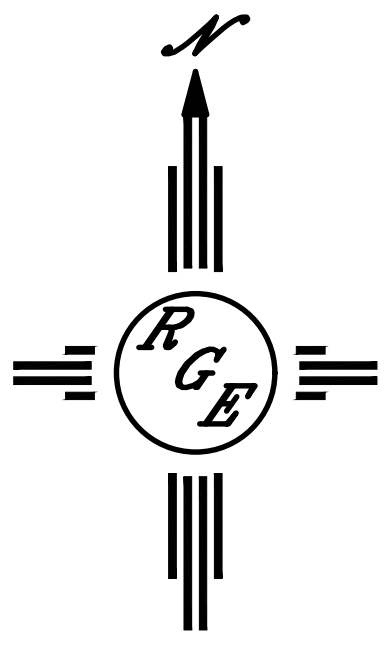
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION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

LEGEND

---	EXISTING CONTOUR
- - - -	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
•	EXISTING SPOT ELEVATION
•	PROPOSED SPOT ELEVATION
---	BOUNDARY
---	PROPOSED EARTHEN SWALE
---	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
=====	PROPOSED 2' WIDE EARTHEN BERM
=====	PROPOSED CONCRETE DRIVEWAY



5/25/21



SCALE: 1"=10'

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.

PORTION OF LOT
WITH ENCROACHMENT
AGREEMENT IMPACTED BY ADJACENT LOT.
NOT IMPROVEMENTS TO OCCUR WITHIN THIS AREA

INSTALL 2' WIDE
COMPACTED BERM
INSIDE PROPERTY
LINE TOP = 4665.25

INSTALL 2' WIDE
COMPACTED BERM
INSIDE PROPERTY
LINE TOP = 4665.25

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 6/28/20. The certification is submitted in support of a request for CERTIFICATE OR OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project.