

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

July 1, 2020

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

RE: 2816 Carlota Rd. NW
Grading and Drainage Plan
Engineer's Stamp Date: 06/28/20
Hydrology File: H12D022

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 06/29/20, the Grading and Drainage Plan is approved for Building Permit.

Albuquerque

Once the grading is complete, a pad certification will be required prior to release of Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter and the pad certification approval letter.

NM 87103

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

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

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 %	Treatment D (acres)	Weighted (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
EXISTING	8564.00	0.197	0%	0	36%	0.071	40%	0.0786	24%	0.047	1.242	0.020	0.63	0.027
PROPOSED	8564.00	0.197	0%	0	32%	0.063	30%	0.059	38%	0.075	1.394	0.023	0.68	0.033
COMPARISON	0.00	0.00	0%	0.000	-4%	-0.008	-10%	-0.020	14%	0.028		0.003	0.050	0.006

ALLOWED

Equations:

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

Volume = Weighted D * Total Area

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

Where for 100-year, 6-hour storm

Ea= 0.53
Eb= 0.78
Ec= 1.13
Ed= 2.12

Qa= 1.56
Qb= 2.28
Qc= 3.14
Qd= 4.7

Developed Conditions

FLOOD CONTROL INCREASE TOTAL	10-DAY 269 CF 1429 CF	6-HOUR 109 CF 995	PROVIDED 1644 1644
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NARRATIVE

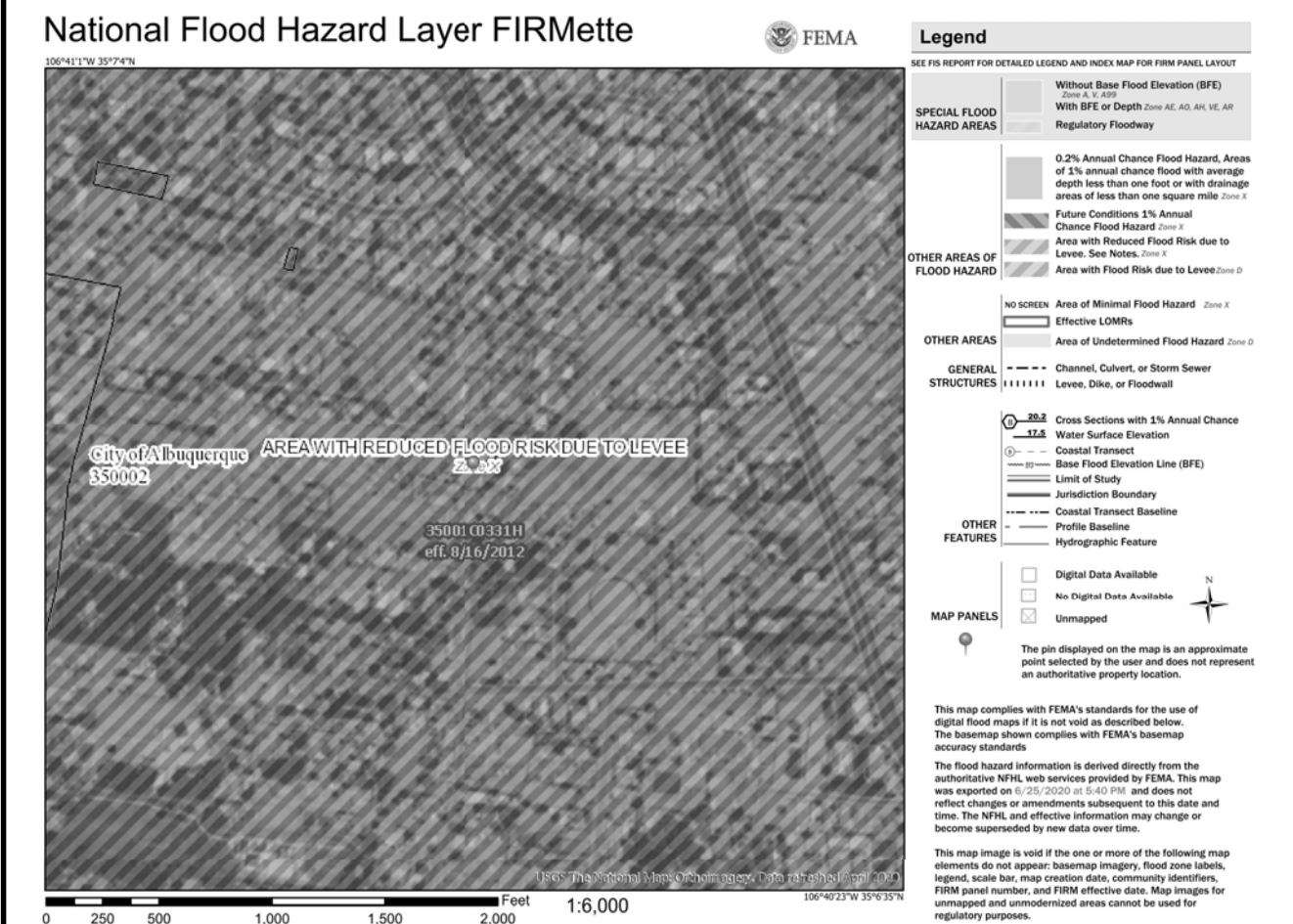
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW HOME ON AN EXISTING LOT IN A FULLY DEVELOPED NEIGHBORHOOD. THE SITE IS LOCATED IN THE VALLEY DRAINAGE AREA. THE SITE IS ALLOWED TO RETAIN ONSITE THE 100-YEAR, 6-HOUR VOLUME. THIS SITE SHALL RETAIN THE 100 YEAR, 6 HOUR VOLUME AS WELL AS THE 10-DAY EVENT.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

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

CAUTION:

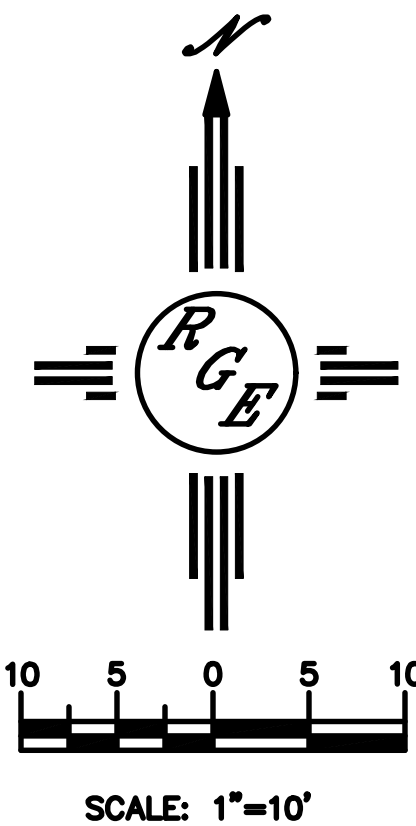
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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

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



ENGINEER'S SEAL DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER	LOT 2 ROBERTSON-ZAMORA TRACTS 2816 CARLOTA ROAD NW		DRAWN BY DEM
	GRADING AND DRAINAGE PLAN		DATE 6-26-20
DAVID SOULE P.E. #14522	Rio Grande Engineering		SHEET # C1
	1608 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0899		JOB #