

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

October 14, 2020

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

RE: 4913 Regina Circle NW
Grading and Drainage Plan
Engineer's Stamp Date: 10/02/20
Hydrology File: J11D041

Dear Mr. Soule:

Based upon the information provided in your submittal received 10/02/20, the Grading and Drainage Plan is approved for Building Permit.

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.

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

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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 4913 REGINA **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 65 REGINA ADDITION
City Address: 4913 REGINA

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 % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E Volume (ac-ft)	Flow cfs	24-Hour Volume (ac-ft)	24-Hour Volume (ac-ft)
Existing	17596.00	0.404	65% 0.2626	15% 0.061	20% 0.081	0% 0.000	0.688	0.023	0.80	0.023
proposed	17596.00	0.404	0% 0	17% 0.069	30% 0.121	53% 0.214	1.595	0.054	1.54	0.067
Increase			-0.263	0.008079	0.040	0.214	1.595	0.031	0.74	0.044

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(zone2)

Qa= 1.56
Ea= 0.53
Eb= 0.78
Ec= 1.13
Ed= 2.12

Developed Conditions

EXISTING	PEAK FLOW	TOTAL FLOW	VOLUME PROVIDED
PROPOSED	0.80 CFS	1098 CF	0 CF
INCREASE FROM EX	1.54 CFS	2914 CF	646 CF
	0.74	1906	646 CF

DRAINAGE NARRATIVE

THIS SITE IS A DEVELOPMENT OF A SITE THAT APPEARS TO NEVER HAVE BEEN PREVIOUSLY DEVELOPED. THE SURROUNDING NEIGHBOR HOOD IS DEVELOPED WITH FEW VACANT LOTS. THE EXISTING DEVELOPMENTS ALL FREE DISCHARGE TO THE ADJACENT ROADWAY THE ROADWAY DRAINS TO ATRISCO DRIVE AND ENTERS INTO INLETS DRAINING TO THE RIO GRANDE SOUTH OF THE SITE. THE PROPOSED DRAINAGE SOLUTION SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND RETAINING 646 CUBIC FEET OF WATER PRIOR TO DISCHARGE.

EROSION CONTROL NOTES:

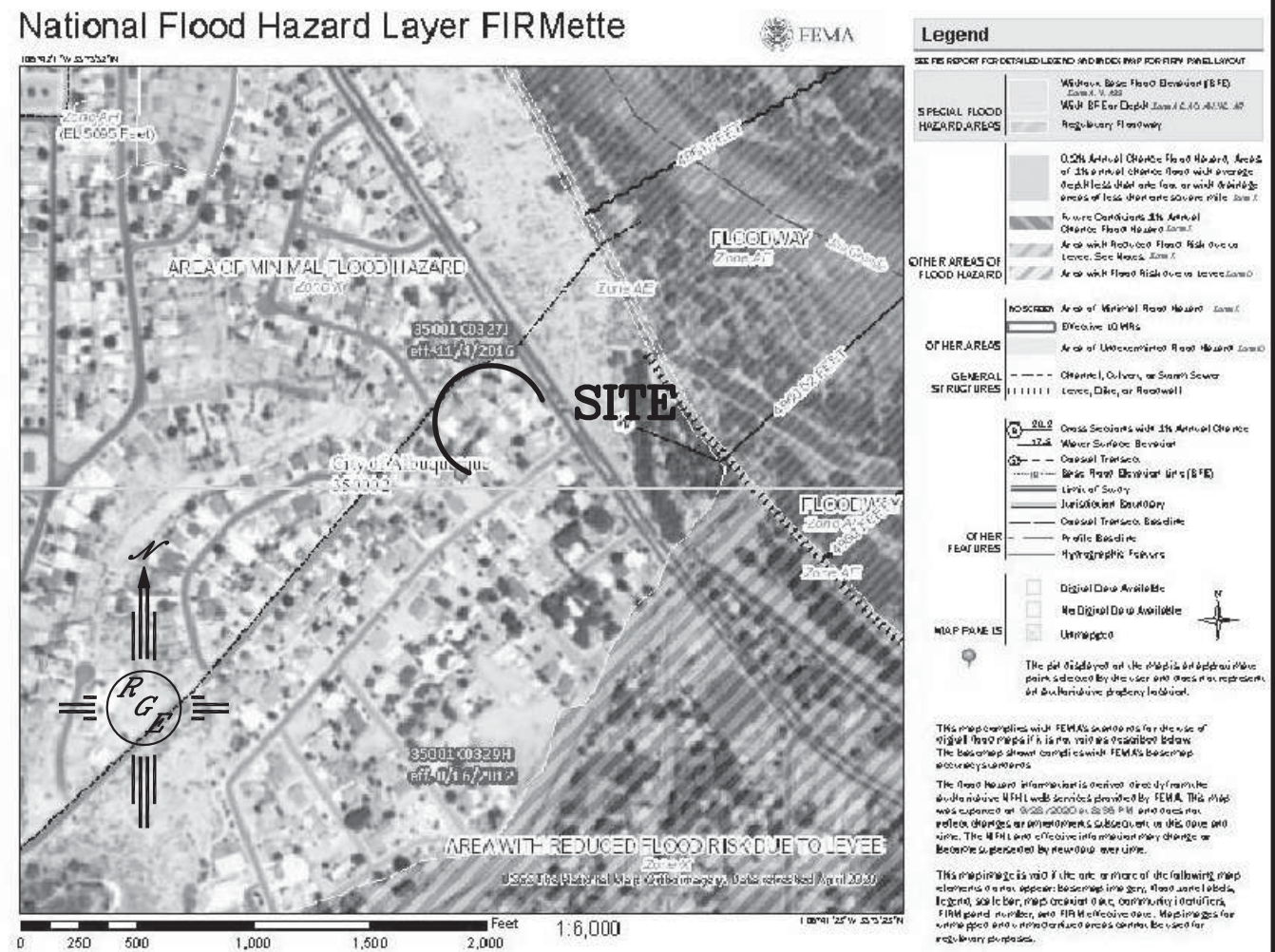
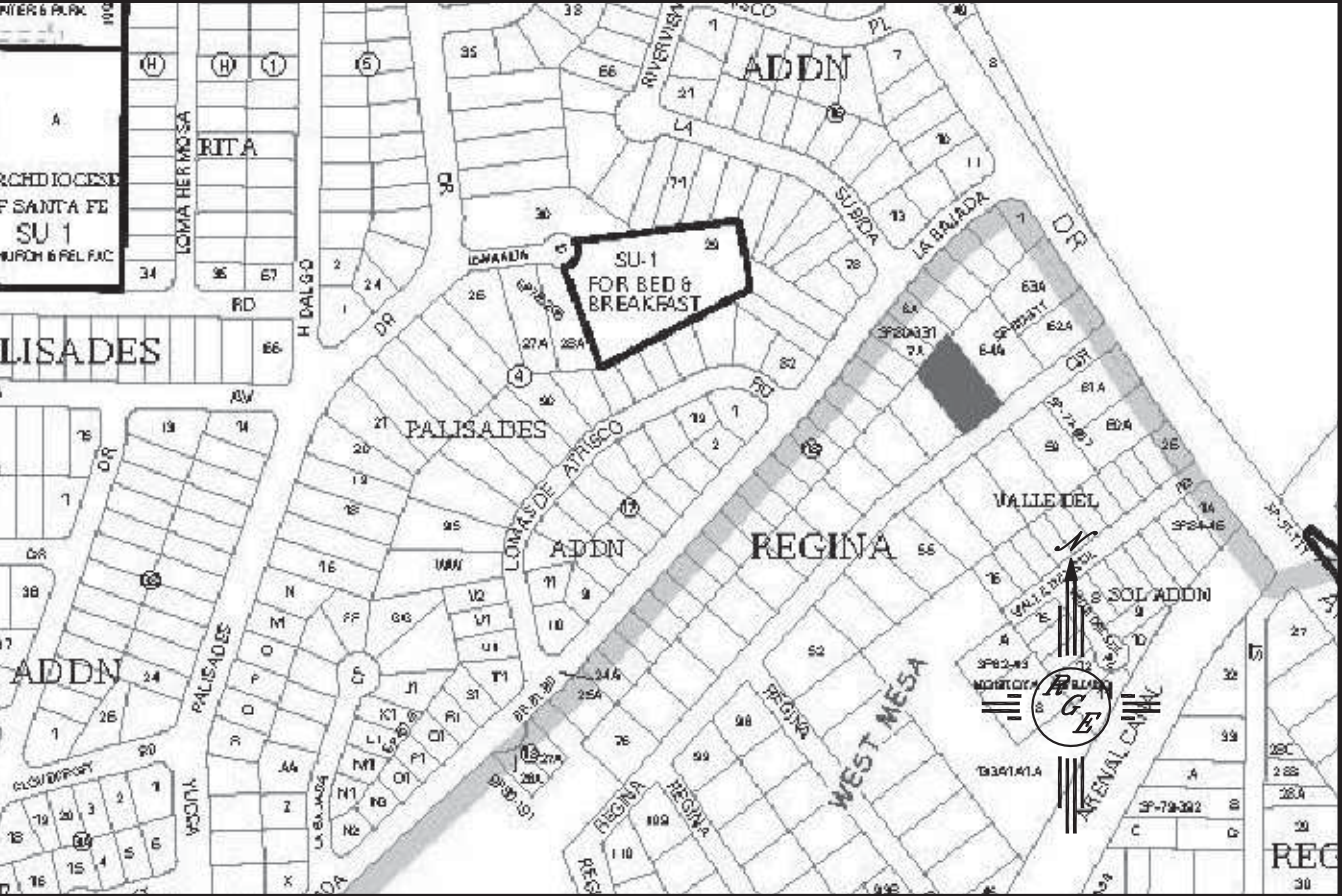
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

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.



FIRM MAP:

LEGAL DESCRIPTION:

LOT 65 REGINA ADDITION

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.

LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
-----XXXX-----	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	CENTERLINE
-----	RIGHT-OF-WAY
-----	PROPOSED 4" PVC SD
-----	POOL DECK TRENCH DRAIN
=====	EXISTING CURB AND GUTTER
=====	PROPOSED CMU SCREEN WALL--18" MAX. RETAINAGE

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.

