

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

January 25, 2021

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

RE: 2623 Corianda NW
Grading and Drainage Plan
Engineer's Stamp Date: 10/29/19
Engineer's Certification Date: 01/15/21
Hydrology File: G13D023D

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 01/15/2021, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 2623 Corianda 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.

www.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.				100 Yr 24-HOUR			
			Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
HISTORICAL	29534.00	0.678	100%	0.678	0%	0.000	0%	0.000	0.530	0.030
PROPOSED	29534.00	0.678	32%	0.217	10%	0.068	24%	0.163	35%	0.237

Equations:

Weighted E = Ea**A*a + Eb**A*b + Ec**A*c + Ed**A*d / (Total Area)

Volume = Weighted D * Total Area

First flush requirement

293 cubic feet

Flow = Qa * *A*a + Qb * *A*b + Qc * *A*c + Qd * *A*d

Where for 100-year, 6-hour storm(zone2)

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

TOTAL VOLUME

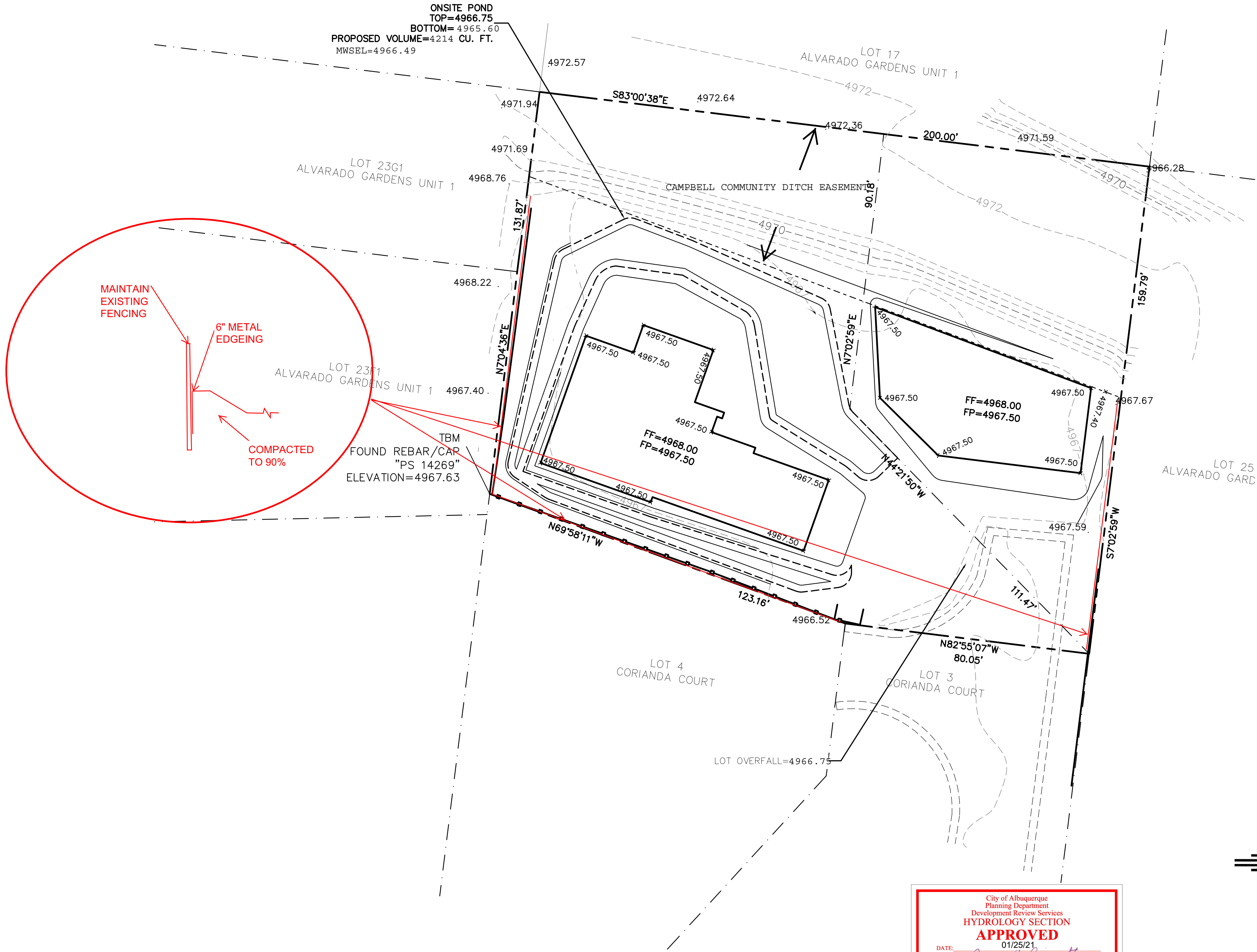
HISTORICAL DISCHARGE	1304.42
PROPOSED DISCHARGE	3447.60
PROVIDED	4114

This site is an replatted lot within an existing subdivision governed by G13D26. The lot is required to retain the entire flow onsite. The site will conform to the valley flat area drainage scheme. The site will retain the 100-year 24-hour volume. The ponds overflow to the roadway at top of pond. The surrounding area is flat and no offsite flows impact the site. The first flush volume is retained on site, and pass thru to the right of way. The first flush volume is retained on site

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 10/29/19 BASED UPON ADDITIONAL CITY COMMENTS, A 6" METAL EDGE AND BERM WAS PLACED AGAINST PROPERTY LINES TO MAINTAIN THE REQUID FLOW OONSITE. ALL VOLUMES SHALL BE VERIFIED PRIOR TO CO



1/15/21



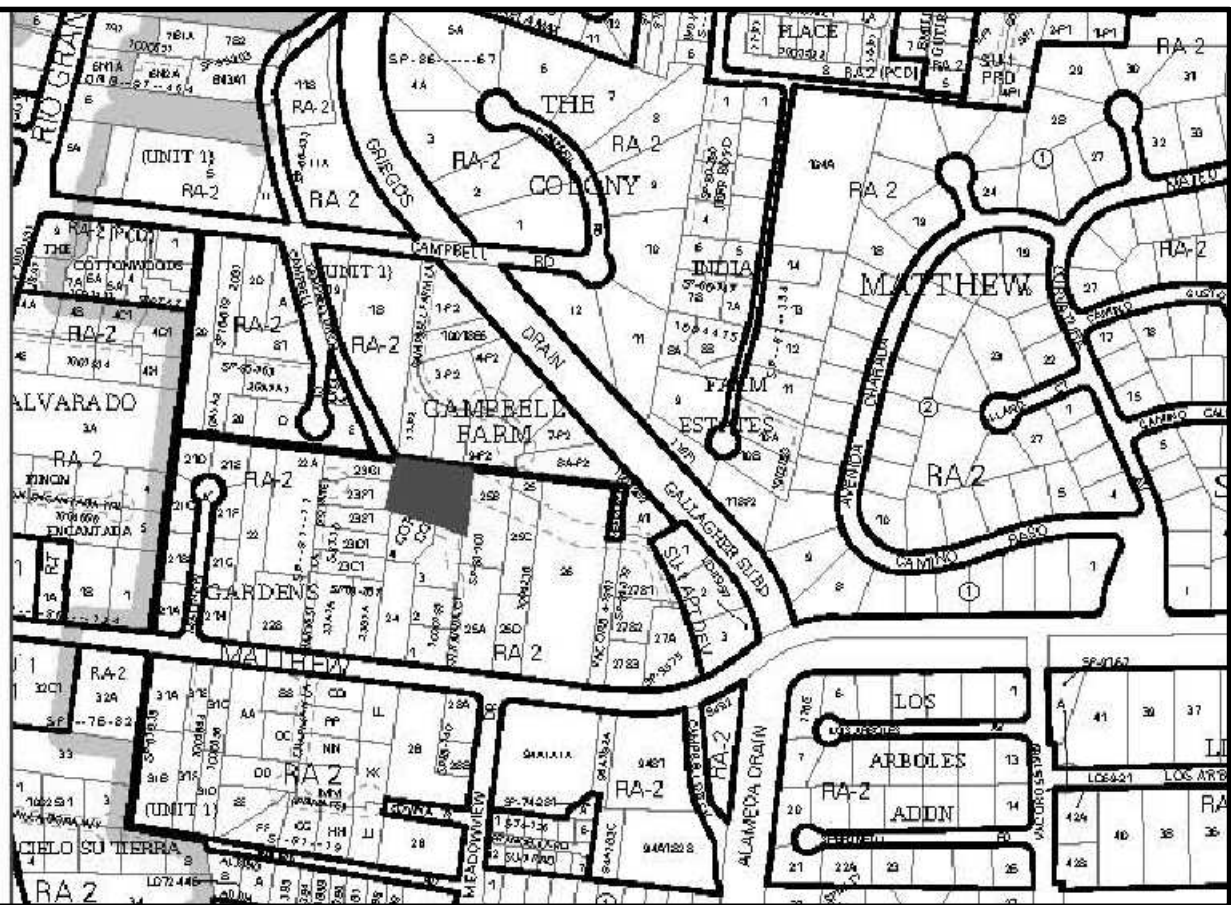
CAUTION:

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.

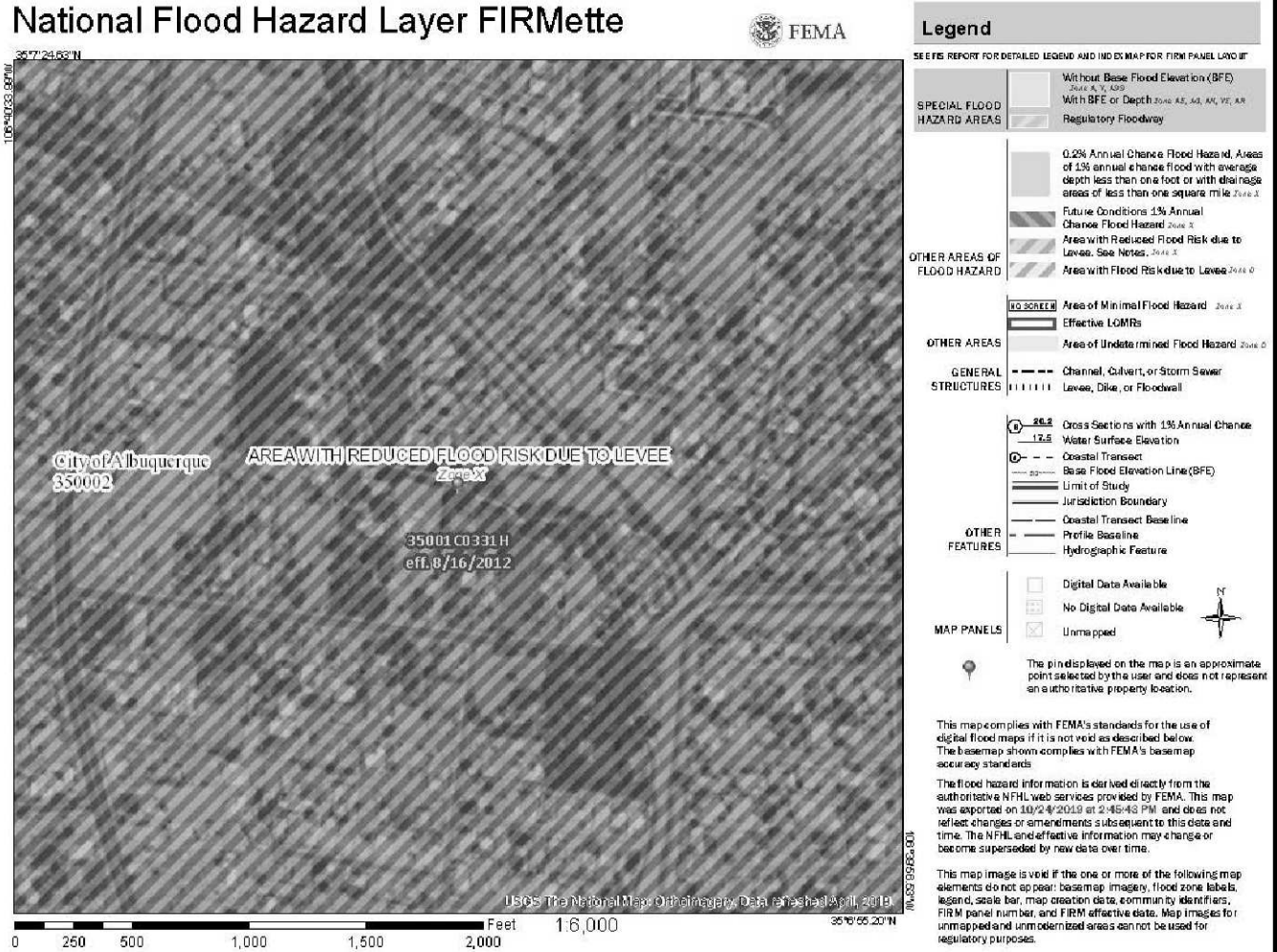
City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
01/25/21
BY: *Renee C. Brissette*
HydroTeam # G13D023D
THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSIDERED AN ENDORSEMENT OF THE CITY OF ALBUQUERQUE OR THE CITY OF ALBUQUERQUE'S POLICIES, ORDINANCES OR LAWS, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM RECOVERING COSTS FOR THE REVIEW OF THESE PLANS/REPORTS. THE CITY OF ALBUQUERQUE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY, OR FOR ANY LOSS OF PROFITS, OR FOR ANY OTHER DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR FROM THE REVIEW OF THESE PLANS/REPORTS.

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: G-13-Z



FIRM MAP:

LEGAL DESCRIPTION:

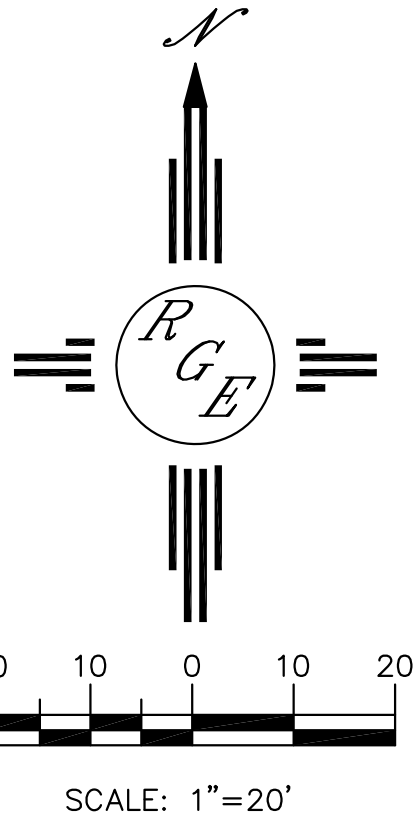
LOTS 5-A and 5-B, CORIANDA COURT

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.
- PROPOSED LOTS HAVE CROSS LOT DRAINAGE EASEMENTS
- ANY PERIMETER FENCING BETWEEN LOTS SHALL ALLOW FOR CROSS LOT DRAINAGE

LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- SLOPE TIE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EXISTING CURB AND GUTTER
- PROPOSED CMU SCREEN WALL



ENGINEER'S SEAL 10/29/19 DAVID SOULE P.E. #14522	LOT 5-A AND 5-B CORIANDA	DRAWN BY: WCVJ
	GRADING AND DRAINAGE PLAN	DATE: 10-29-19 2109086-LAYOUT-10-29-19
 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0398		SHEET #
		JOB # 2109086