

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

January 22, 2020

Jackie McDowell, P.E.
McDowell Engineering
7820 Beverly Hills Ave NE
Albuquerque, NM 87122

RE: **Gonzales Residence**
2100 Edna NW
Request for Certificate of Occupancy - Permanent
Hydrology Final Inspection –Approved
Grading and Drainage Plan Stamp Date: 8/23/16 (J13D081)
Certification Dated: 1/16/20

Dear Ms. McDowell,

PO Box 1293

Based on the submittal received on 1/17/20, this certification is approved in support of Certificate of Occupancy (Permanent) by Hydrology.

Albuquerque

If you have any questions, you can contact me at 924-3695 or dpeterson@cabq.gov.

NM 87103

Sincerely,

www.cabq.gov

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development and Review Services

C: Email Tena, Victoria; Sandoval, Darlene; Costilla, Michelle; Gomez, Matt



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL? _____ Yes _____ No

DEPARTMENT _____ TRANSPORTATION _____ HYDROLOGY/DRAINAGE

Check all that Apply:

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?

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:** _____

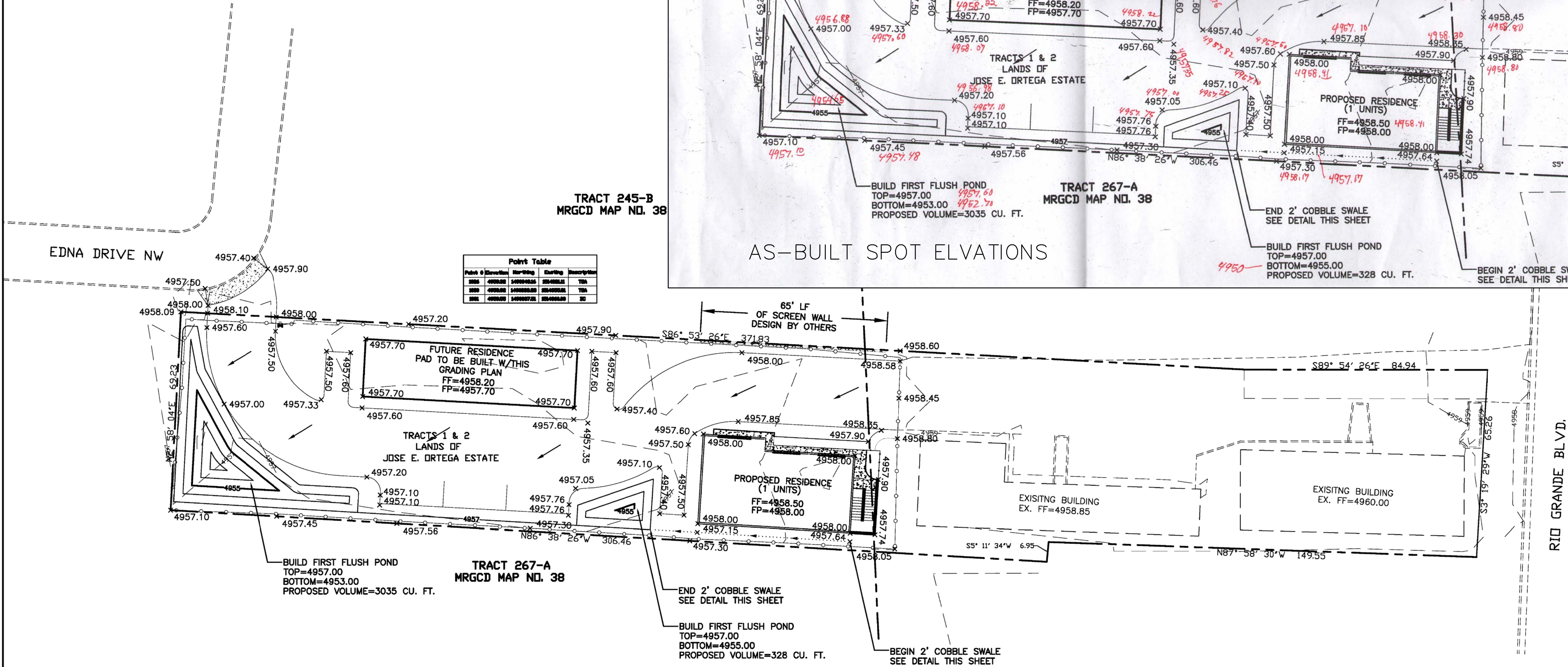
COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method										
Basin	Area (af)	Area (acres)	treatment A % (acres)	treatment B (acres)	treatment C (acres)	treatment D (acres)	100-Year 5-Hr		10-day	
							Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
Existing	17653.00	0%	0%	100%	0.445	0%	0.000	0.760	0.028	0.028
basin 1	17653.00	0.405	0%	42%	0.170	20%	0.081	38%	0.154	1.37
PROPOSED	29257.00	0.872	0%	42%	0.282	20%	0.134	38%	0.255	1.359
								1.359	0.076	2.26
Equations:										
Weighted E = Ea* <i>Aa</i> + Eb* <i>Ab</i> + Ec* <i>Ac</i> + Ed* <i>Ad</i> (Total Area)							ALLOWABLE DISCHARGE 2.75 CFS/ACRE			
Volume = Weighted D * Total Area							1.11375 CFS			
Flow = Qa * <i>Aa</i> + Qb * <i>Ab</i> + Qc * <i>Ac</i> + Qd * <i>Ad</i>							First flush requirement 315.0004 cubic feet			
Where for 100-year, 6-hour storm(zone2)										
Ea= 0.53			Qa= 1.56							
Eb= 0.76			Qb= 2.28							
Ec= 1.13			Qc= 3.14							
Ed= 2.12			Qd= 4.7							
Developed Conditions										
FLAT GRADING SCHEME							VOLUME GENERATED			
EXISTING							0-day			
PROPOSED							0.026 AC-FT 1147.445 CF			
ALLOWED							0.066 AC-FT 2893.91513 CF			
PONDING PROVIDED										
POND		1	1469							
POND		2	1454							
TOTAL PROVIDED		2923								

THIS SITE IS LOCATED IN A FULLY DEVELOPED AREA OF THE NEAR NORTH VALLEY. AS REQUIRED BY CITY DRAINAGE ORDINANCE THIS SITE IS REQUIRED TO REDUCE DISCHARGE TO 2.75 CFS PER ACRE OR RETAIN THE 100-YEAR, 10-DAY VOLUME. DUE TO THE ELEVATION WE WILL RETAIN THE FLOW GET BY THIS SITE.



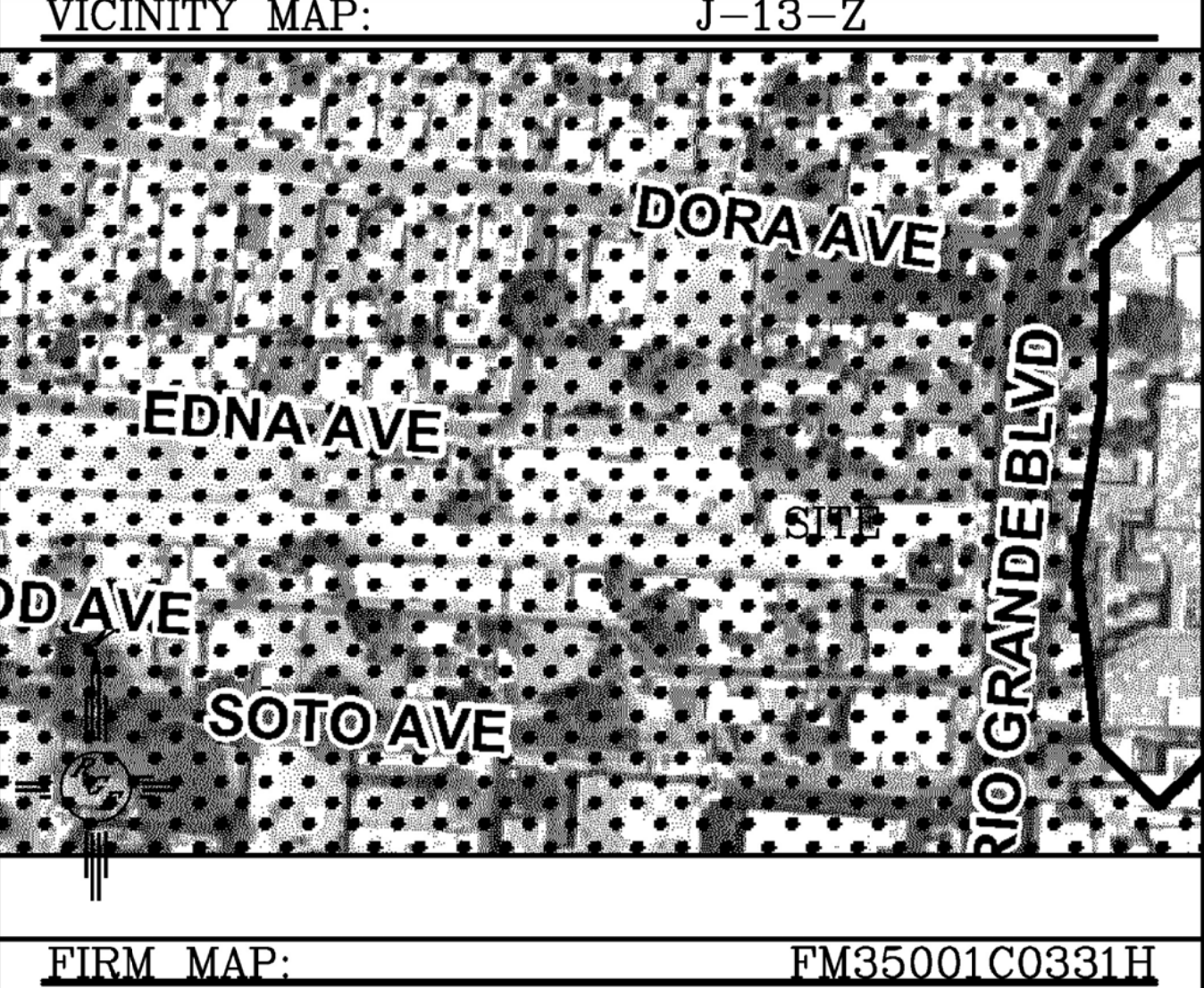
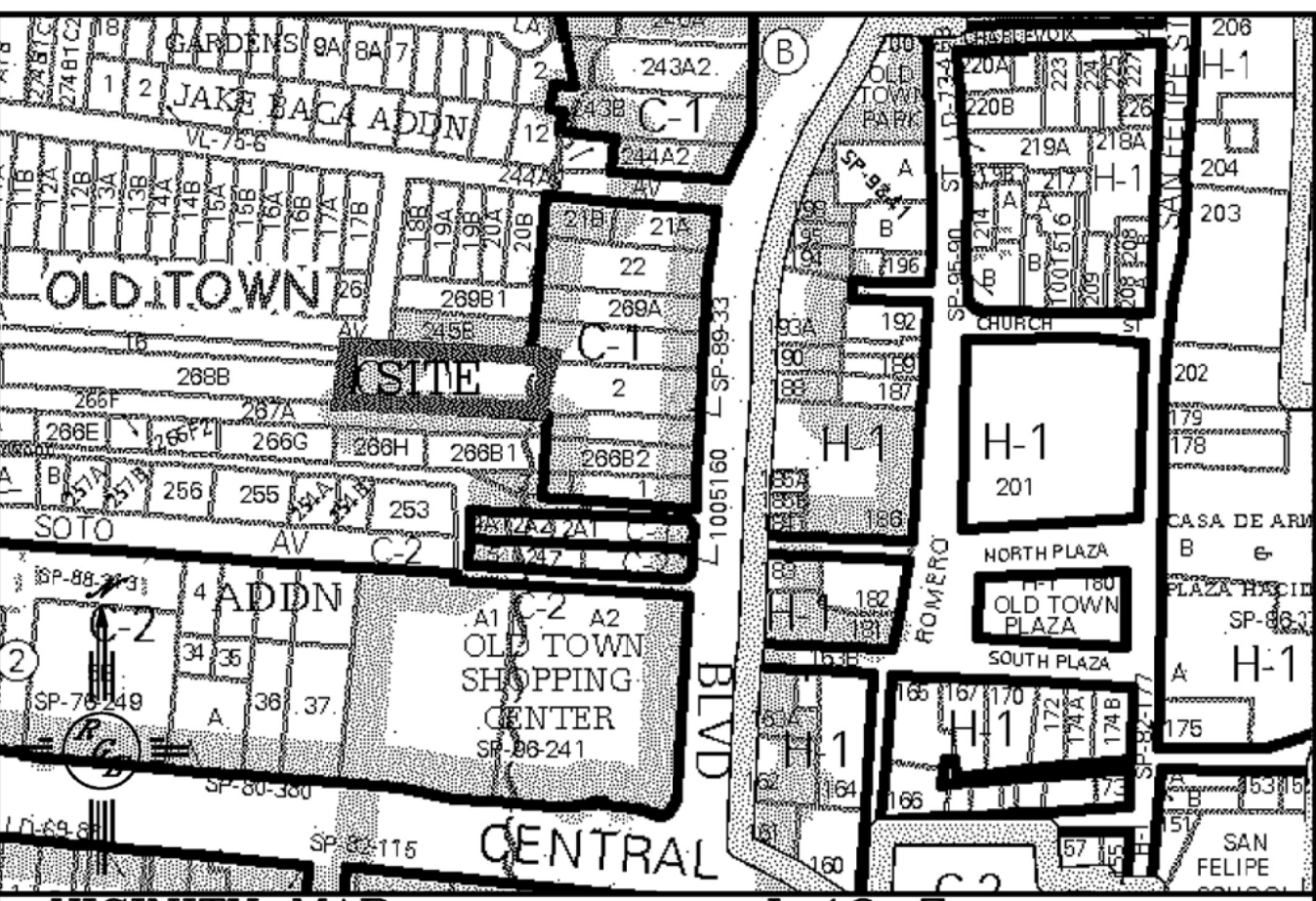
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

DRAINAGE CERTIFICATION
I, Jackie S. McDowell, NMPE #10903, of the firm of McDowell Engineering, Inc., hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated July 12, 2016. The record information shown on this plan has been supplied by the owner, and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Certification of Occupancy.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the Grading and Drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any purpose.

Jackie S. McDowell
1-16-20

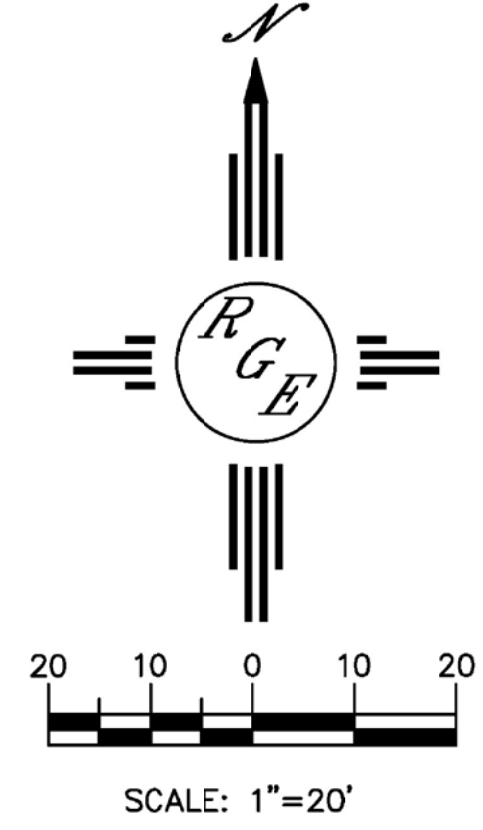
- EROSION CONTROL NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
 - 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.



LEGAL DESCRIPTION:
TRACTS 1 AND 2 LAND OF JOSE C ORTEGA ESTATE

- NOTES:**
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
 - ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

LEGEND	
---	EXISTING CONTOUR
---	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
---	SLOPE TIE
X	EXISTING SPOT ELEVATION
X	PROPOSED SPOT ELEVATION
---	BOUNDARY
---	EASEMENT
---	RIGHT-OF-WAY
---	PROPOSED EDGE OF CONCRETE
---	EXISTING EDGE OF ASPHALT
---	PROPOSED SCREEN WALL-DESIGN BY OTHERS



<div>ENGINEER'S SEAL</div> <div>DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522</div> <div>8/23/16</div> <div>DAVID SOULE P.E. #14522</div>	GONZALES RESEDCENCE	DRAWN BY WCVJ
	GRADING AND DRAINAGE PLAN	DATE 8-09-16
	<div>Rio Grande Engineering</div> <div>1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999</div>	21626-LAYOUT-6-06-16
		SHEET #
		JOB # 21626