

CITY OF ALBUQUERQUE



September 2, 2016

Richard J. Berry, Mayor

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

RE: Gonzales Residence
Revised Grading and Drainage Plan 203
Engineer's Stamp Date 8-23-16 (File: J13D023)

Dear Mr. Soule:

Based upon the information provided in your submittal received 8-24-2016, the above-referenced plan is re-approved for Building Permit. We understand that the secondary access to the west may be an issue for Transportation Development. If that entrance is removed, a revised Grading Plan will not be necessary, it can just be noted in the Certification.

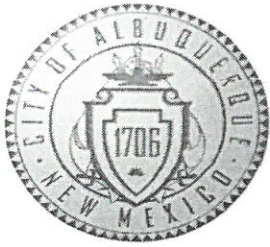
Please attach a copy of this approved plan in the construction sets when submitting for a building permit. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

Orig: Drainage file



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: GONZALES RESIDENCE-revised layout **Building Permit #:** _____ **City Drainage #:** j13d203
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: TRACT 1 LANDS OF JOSE ORTEGA
City Address: 2100 EDNA AVE NW

Engineering Firm: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE
Address: PO BOX 93924, ALBUQUERQUE, NM 87199
Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** DAVID@RIOGRANDEENGINEERING.COM

Owner: JOSEPH GONZALES **Contact:** Mark Gonzales
Address: 908 4TH STREET SW 87102
Phone#: 489-9600 **Fax#:** _____ **E-mail:** markjefe@comcast.net

Architect: none T.I. Design Services **Contact:** Eric Munn
Address: 717 Cagua Dr. NE
Phone#: 688-2914 **Fax#:** _____ **E-mail:** holybarbarian@yahoo.com

Other Contact: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

☐ ENGINEER/ ARCHITECT CERTIFICATION

☐ CONCEPTUAL G & D PLAN

☒ GRADING PLAN (revised layout)

☐ DRAINAGE MASTER PLAN

☐ DRAINAGE REPORT

☐ CLOMR/LOMR

☐ TRAFFIC CIRCULATION LAYOUT (TCL)

☐ TRAFFIC IMPACT STUDY (TIS)

☐ EROSION & SEDIMENT CONTROL PLAN (ESC)

☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: 8/23/16

By: Mark Gonzales

CHECK 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

☐ PRE-DESIGN MEETING

☐ OTHER (SPECIFY) _____



\$100.00

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

Weighted E Method											
Basin	Area (sf)	Area (acres)	Treatment A %	Treatment B %	Treatment C %	Treatment D %	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)	10-day
Existing	17653.00	0.405	0%	0	100%	0.405	0%	0.000	0.780	0.026	0.92
basin 1	17653.00	0.405	0%	0	42%	0.170	20%	0.081	1.359	0.046	1.37
PROPOSED	29257.00	0.672	0%	0	42%	0.282	20%	0.134	1.359	0.076	2.26
											0.110

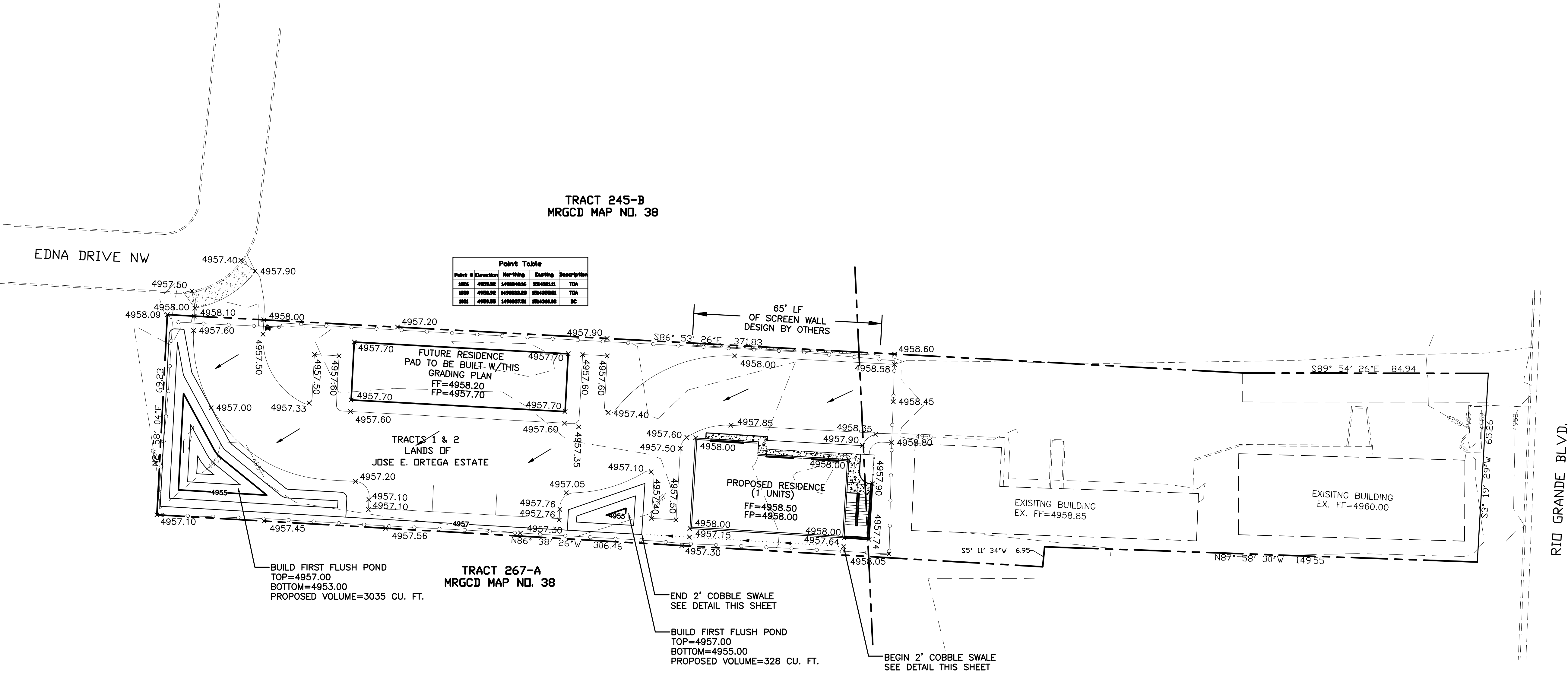
Equations:

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

Developed Conditions		VOLUME GENERATED	
FLAT GRADING SCHEME		10-day	
EXISTING	0.92 CFS	0.026 AC-FT	1147.445 CF
PROPOSED	1.37 CFS	0.066 AC-FT	2893.91513 CF
ALLOWED	1.11 CFS		
PONDING PROVIDED			
POND 1	1469		
POND 2	1454		
TOTAL PROVIDED	2923		

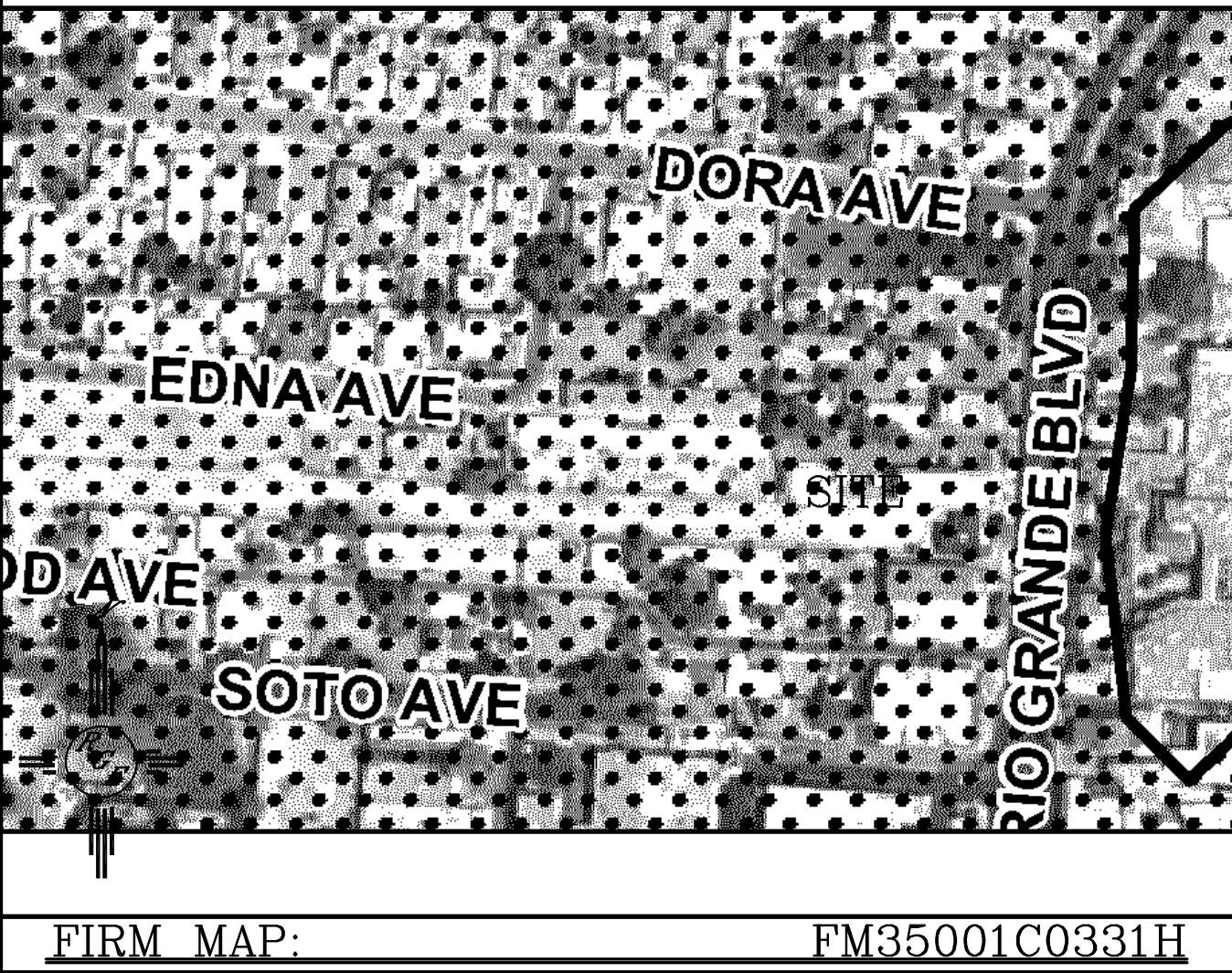
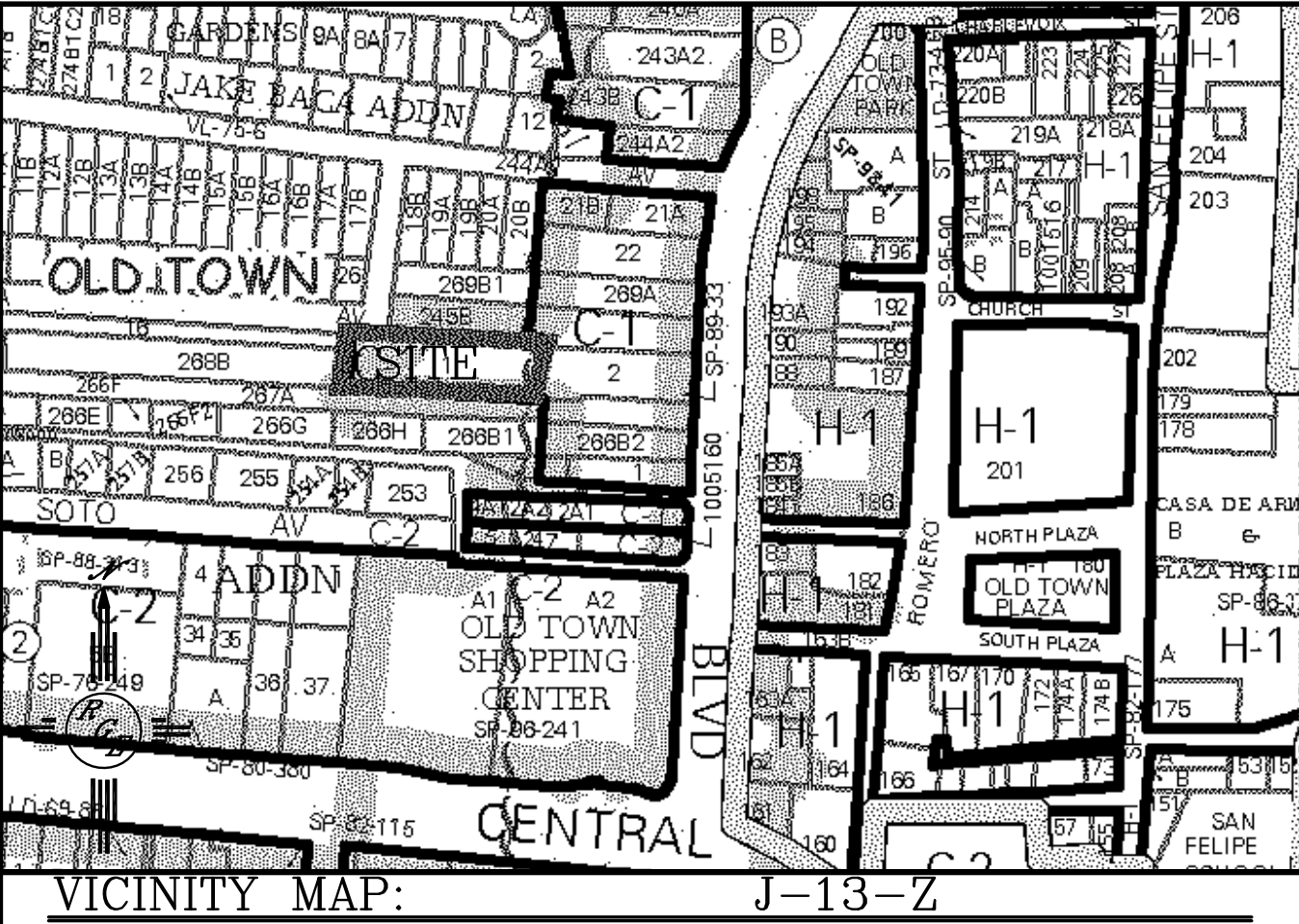
THIS SITE IS LOCATED IN A FULLY DEVELOPED AREA OF THE NEAR NORTH VALLEY. AS REQUIRED BY CITY DRAINAGE ORDINANCE THIS SITE IS REQUIRED TO REDUCE DISCHARGE TO 2.75 CFS PER ACRE OR RETAIN THE 100-YEAR, 10-DAY VOLUME. DUE TO THE ELEVATION WE WILL RETAIN THE FLOW GET BY THIS SITE.



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.

EROSION CONTROL NOTES:

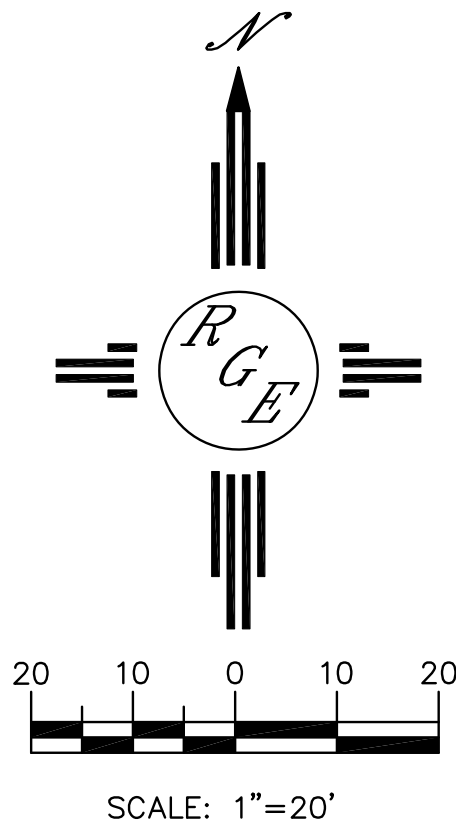
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND 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
×	EXISTING SPOT ELEVATION
×	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 WCWJ
	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