

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

July 16, 2020

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

RE: 1459 Valle Lane. NW
Grading and Drainage Plan
Engineer's Certification Date: 07/15/20
Engineer's Stamp Date: 06/28/20
Hydrology File: G13D039

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your Certification received on 07/16/20 and site photos sent on 07/16/20, the above referenced Certification is acceptable for Building Pad Certification for 1459 Valle Lane. NW.

Albuquerque

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required. Also a formal Elevation Certificate needs to be submitted to Hydrology.

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



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 1459 VALLE LANE **Building Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: LOT 38P1 CANDELARIA VILLAGE

City Address: 1459 VALLE LANE

Applicant: Victor A. Huizar

Contact: _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** v_aconstruction@msn.com

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)	100-Year, 6-hr								10-day	
			Treatment A (%)	Treatment B (%)	Treatment C (%)	Treatment D (%)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs		Volume (ac-ft)	
EXISTING	14529.00	0.334	40%	0.1334	60%	0.200	0%	0	0%	0.000	0.680	0.019
PROP TO STREET	3049.00	0.070	0%	0	15%	0.010	42%	0.0294	43%	0.030	1.503	0.009
PROP TO RETAIN	11480.00	0.264	0%	0	36%	0.095	46%	0.1212	19%	0.050	1.203	0.026
ALLOWED												0.83
Equations:												0.033

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

DRAINS TO STREET
EXISTING
PROPOSED
0.66 CFS
0 CFS
REAR YARD RETENTION
GENERATED
RETAINED
10-DAY
1442 CF
1775 CF

NARRATIVE

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW HOME IN AN EXISTING SUBDIVISION. THE SITE IS SURROUNDED BY FULLY DEVELOPED INFRASTRUCTURE. THE DRAINAGE PLAN FOR THE SUBDIVISION(G13D25) CALLS FOR FREE DISCHARGE OF THE DEVELOPED AREA AND RETENTION OF REAR YARDS. THE FLOWS ENTER THE ROADWAY AND ARE CAPTURED BY AN ONSITE INLET CONVEYING THE FLOW TO AN EXISTING STORM DRAIN IN CANDELARIA. DUE TO THE UNIQUE LOT SHAPE THE DRAINAGE SOLUTION PROVIDES FOR FREE DISCHARGE OF THE MAJORITY OF THE DEVELOPED AREA AND RETENTION OF THE AREA THAT CAN NOT DRAIN TO THE STREET. THE VOLUME RETAINED SHALL BE THE 100-YEAR 10-DAY VOLUME.

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 6/28/20



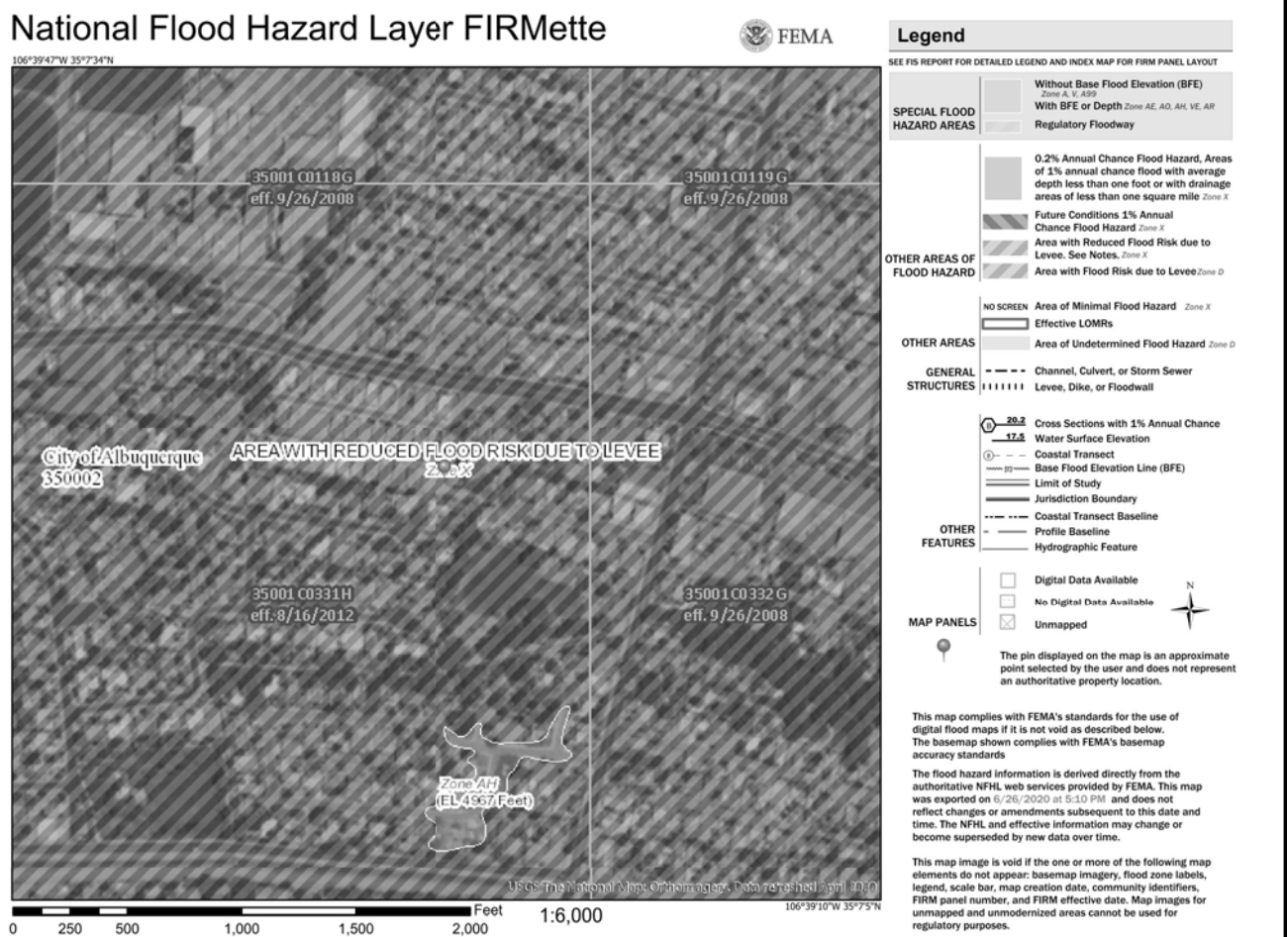
7/15/20

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.



VICINITY MAP: G-13-Z



FIRM MAP:

LEGAL DESCRIPTION:

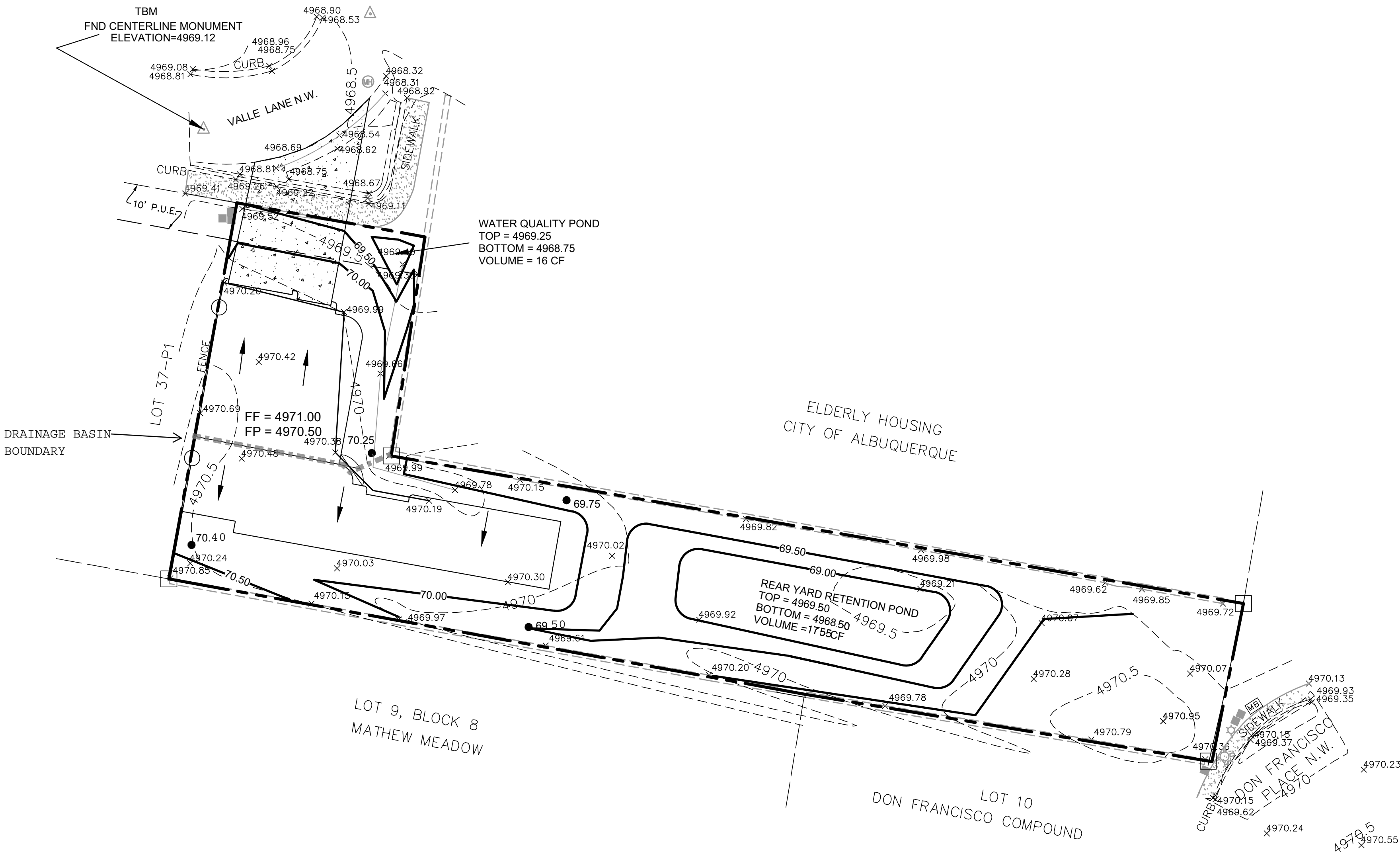
LOT 38-P1 CANDELARIA VILLAGE
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

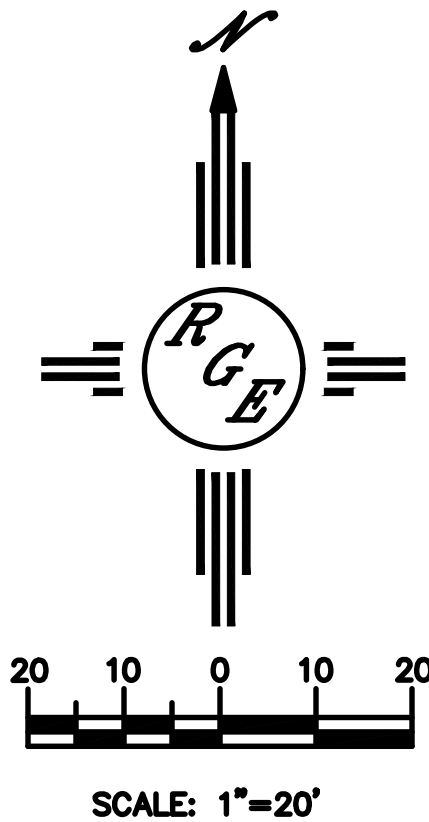
LEGEND

- XXXX--- EXISTING CONTOUR
- - - - - EXISTING INDEX CONTOUR
- XXXX--- PROPOSED CONTOUR
- XXXX--- PROPOSED INDEX CONTOUR
- + XXXXX EXISTING SPOT ELEVATION
- XXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- PROPOSED EARTHEN SWALE
- ADJACENT BOUNDARY
- === EXISTING CURB AND GUTTER
- 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.



ENGINEER'S SEAL	LOT 38-P1 CANDELARIA VILLAGE 1459 VALLE LANE, N.W.	DRAWN BY DEM
DAVID SOULE P.E. #14522		DATE 6-27-20
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	LOT 38-P1 CANDELARIA VILLAGE DWG
	Rio Grande Engineering 1608 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0899	SHEET # C1
		JOB #