

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

October 22, 2021

David Soule, PE
Rio Grande Engineering
1606 Central SE Suite 201
Albuquerque, NM 87106

RE: 1210 11th St. NW
Permanent C.O. - Approved
Engineer's Certification Date: 10/18/21
Engineer's Stamp Date: 3/4/21
Hydrology File: J13D213

Dear Mr. Soule:

PO Box 1293

Based on the certification received 10/21/21 and a site visit on 10/22/21, this certification is approved for Permanent Certificate of Occupancy by Hydrology.

Albuquerque

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

Sincerely,

NM 87103

www.cabq.gov

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 1210 11TH STREET NW Building Permit #: _____ Hydrology File #: _____

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

Legal Description: LOTS 8A GARCIA ADDITION

City Address: 1210 11TH STREET NW

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: _____

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 3/4/21

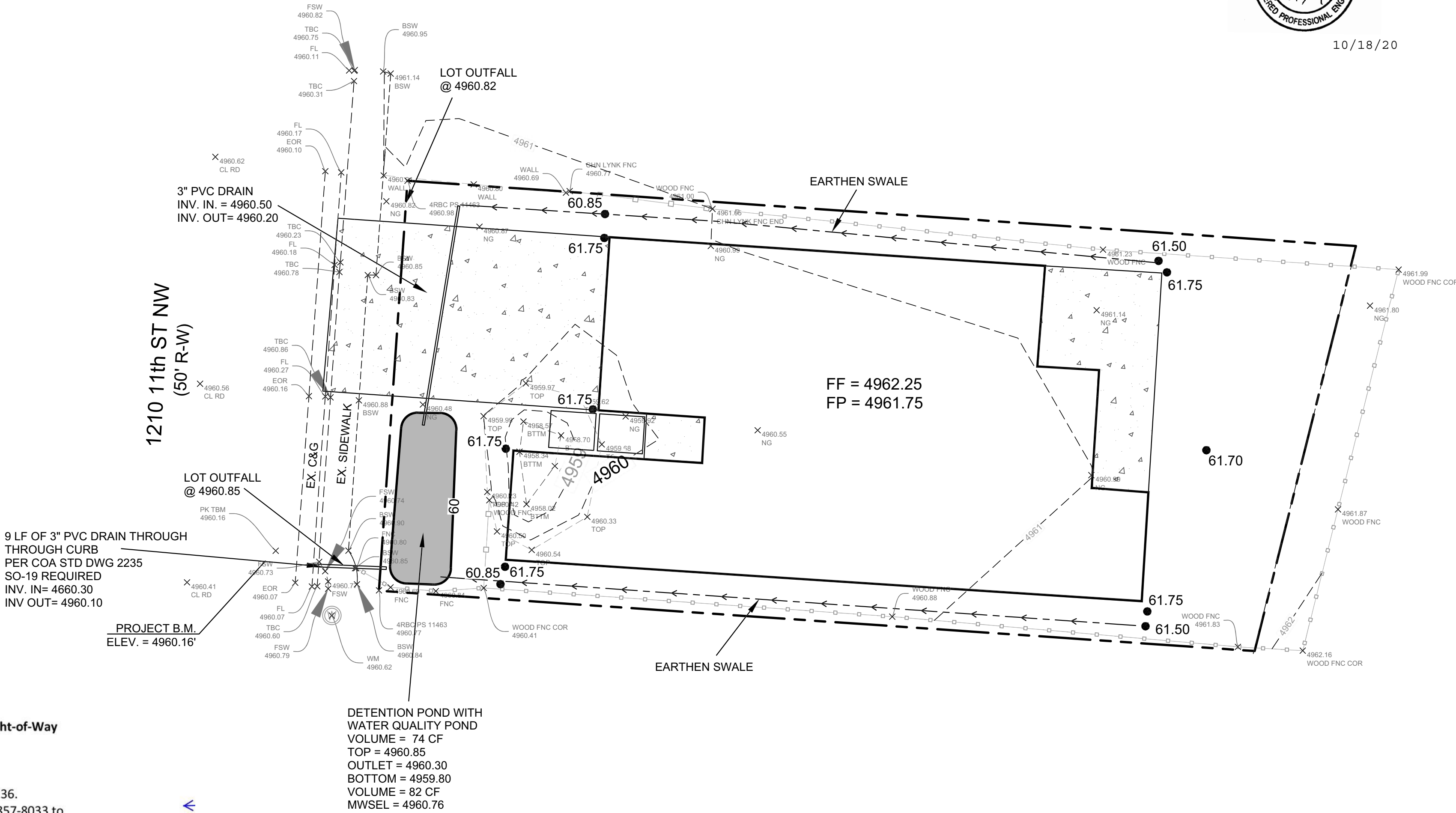


4/20/21

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 3/4/21. The certification is submitted in support of a request for CERTIFICATE OR OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project.



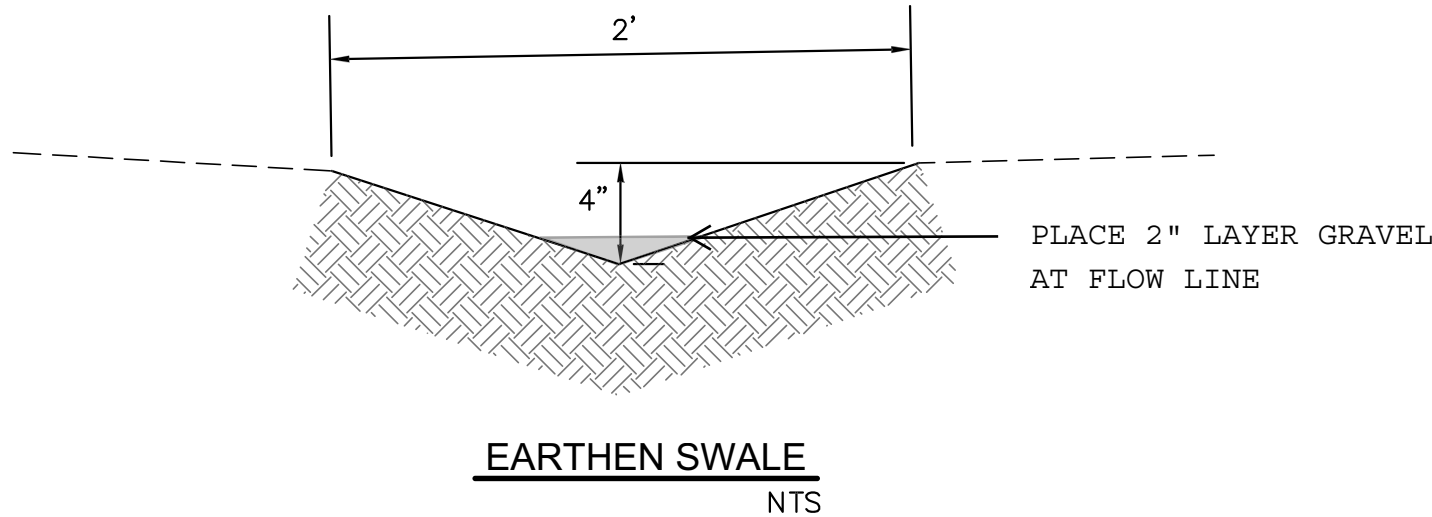
10/18/20



Private Drainage Facilities within City Right-of-Way
Notice to Contractor
(Special Order 19 ~ "SO-19")

- Build sidewalk culvert per COA STD DWG 2236.
- Contact Storm Drain Maintenance at (505) 857-8033 to schedule a meeting prior to forming.
- An excavation permit will be required before beginning any work within City Right-Of-Way.
- All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- Two working days prior to any excavation, the contractor must contact **New Mexico One Call, dial "811"** (or (505) 260-1990] for the location of existing utilities.
- Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- Backfill compaction shall be according to traffic/street use.
- Maintenance of the facility shall be the responsibility of the owner of the property being served.
- Work on arterial streets may be required on a 24-hour basis.
- Contractor must contact Storm Drain Maintenance at (505) 857-8033 to schedule a construction inspection. For excavating and barricading inspections, contact Construction Coordination at (505) 924-3416.

CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

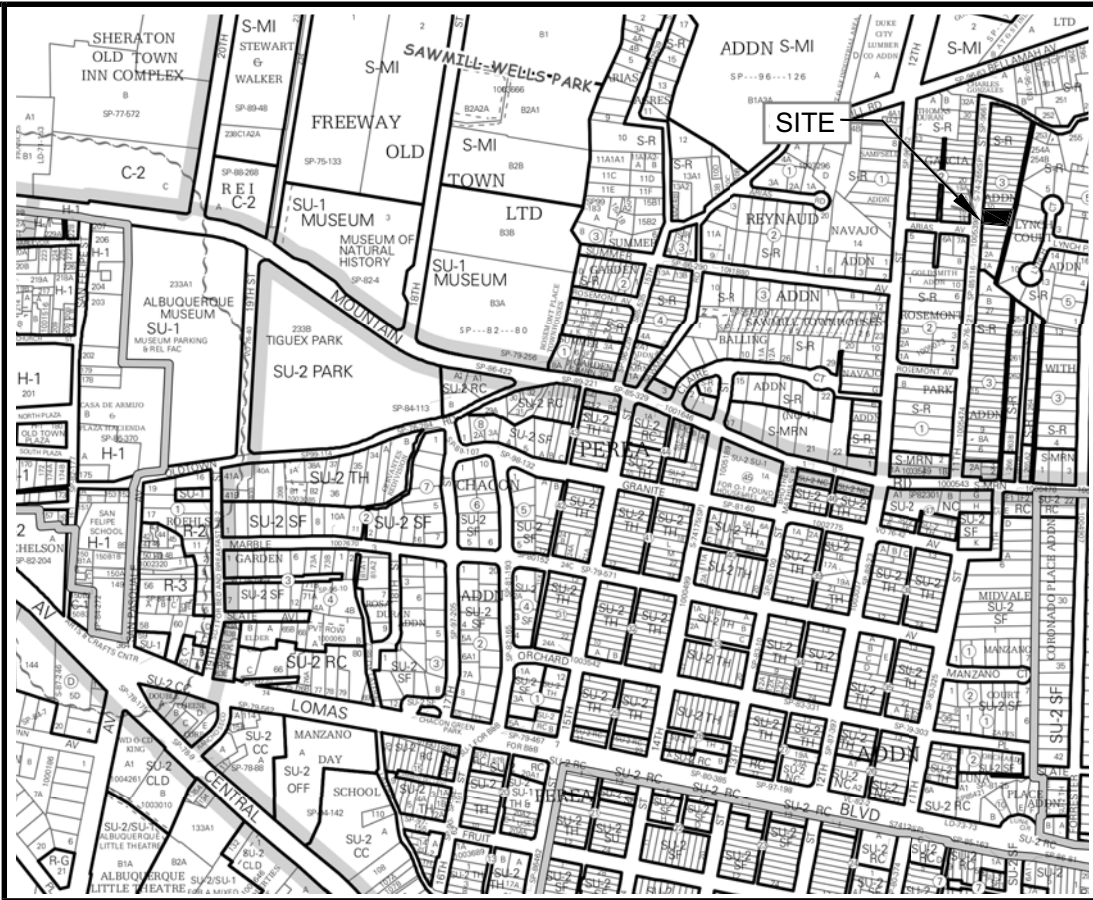


CAUTION:

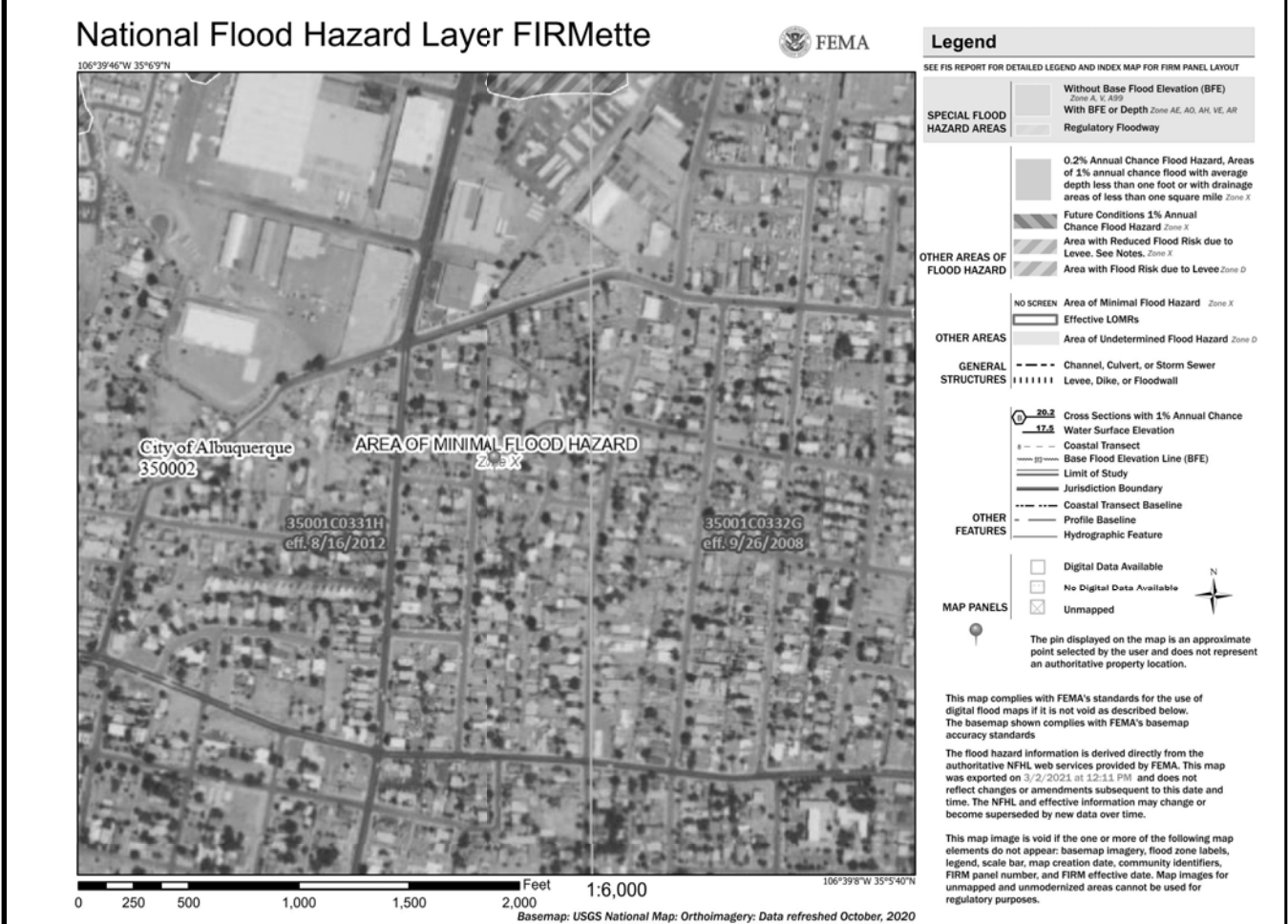
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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.



VICINITY MAP: J-13-Z



FIRM MAP:

LEGAL DESCRIPTION:

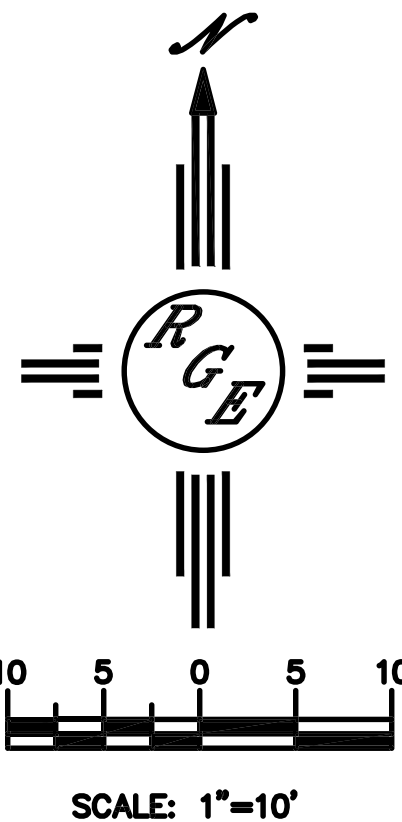
LOT 8A GARCIA ADDITION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

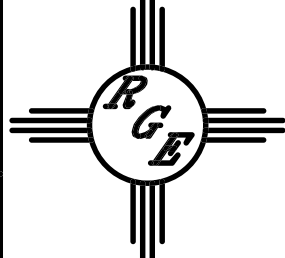
NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

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



ENGINEER'S SEAL  3/4/21 DAVID SOULE P.E. #14522	LOT 8A GARCIA ADDN 1210 11TH STREET NW	DRAWN BY DEM
		DATE 3-3-21
	GRADING AND DRAINAGE PLAN	LOT 8A GARCIA ADDN.DWG
	<i>Rio Grande Engineering</i> PO BOX 93624 ALBUQUERQUE, NM 87199 (505) 321-9099	SHEET # 1 OF 2
		JOB # _____

BASIN DATA

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Q100	Q100
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	GENERATED	DISCHARGED
EXISTING LOT**	5580.00	0.128	0%	0	25%	0.032	49%	0.0628	26%	0.033	0.39	0.39
PROPOSED LOT	5580.00	0.128	0%	0	20%	0.026	21%	0.0269	59%	0.076	0.45	0.30

** SITE CONTAINED STRUCTURE PRIOR TO DEMO

* SITE DISCHARGE CALCULATED UTILIZING AHYMO. THE DETENTION PONDS HAVE DIFFERENT Tp THEREFORE THE CUMULATIVE DISCHARGE IS SLIGHTLY LESS THAT THE SUMMATION OF EACH BASIN

Narrative
The subject property is located within a fully developed area of NW Albuquerque. All down stream drainage improvements have been completed. This is a redevelopment of an site that discharges 0.39 cfs to the street and surrounding properties. The proposed improvements consist of a single onsite basin, this basin is routed through a detention pond discharging .30 cfs to 11th. The site discharges less than historical to the 11th, where the flow is captured by an adjacent public storm drain.

DETENTION POND STAGE-STORAGE CALCULATION

ACTUAL ELEV.	DEPTH (FT)	AREA SF	VOLUME PER UNIT	VOLUME CUMULATIVE	VOLUME AC-FT	Q (CFS)
59.80	0.00	66.00	0	0	0.000	0.00
60.30	0.00	231.00	74.25	74.25	0.001	0.00
60.85	0.55	399.00	173.25	247.5	0.006	0.31

Orifice Equation
Q = CA SQRT(2gh)

C = 0.6
Diameter (in) 4
Area (ft^2)= 0.087266463
g = 32.2
H (ft) = Depth of water above center of orifice
Q (CFS)= Flow

OUTLET

2.7789 2.7824 2.7850 2.7896 2.7931 2.7967 2.8002

2.8038 2.8073 2.8109 2.8144 2.8180 2.8216 2.8251

2.8287 2.8322 2.8358 2.8393 2.8429 2.8464 2.8500

2.8536 2.8571 2.8607 2.8642 2.8678 2.8713 2.8749

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3.4250 3.4285 3.4321 3.4357 3.4392 3.4428 3.4463

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2.8038 2.8073 2.8109 2.8144 2.8180 2.8216 2.8251

2.8287 2.8322 2.8358 2.8393 2.8429 2.8464 2.8500

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2.8784 2.8819 2.8855 2.8891 2.8927 2.8962 2.8998

2.9033 2.9069 2.9104 2.9140 2.9176 2.9211 2.9247

2.9282 2.9318 2.9353 2.9389 2.9424 2.9460 2.9496

2.9531 2.9567 2.9602 2.9638 2.9673 2.9709 2.9744

2.9780 2.9816 2.9851 2.9887 2.9922 2.9958 2.9993

3.0029 3.0064 3.0100 3.0136 3.0171 3.0207 3.0242

3.0278 3.0313 3.0349 3.0384 3.0420 3.0456 3.0491

3.0527 3.0562 3.0598 3.0633 3.0669 3.0704 3.0740

3.0776 3.0811 3.0847 3.0882 3.0918 3.0953 3.0989

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