

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

June 11, 2021

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

RE: 9912 Bellamah Ave. NE
Permanent C.O. - Approved
Engineer's Certification Date: 6/10/21
Engineer's Stamp Date: 9/1/20
Hydrology File: J20D040

Dear Mr. Soule:

PO Box 1293

Based solely on the certification received 6/10/21 this certification is approved for Permanent Certificate of Occupancy by Hydrology.

Albuquerque

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

Sincerely,

NM 87103

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

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 9912 BELLAMAH **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: lot 4 block C VISTA BELAMONTE SUBDIVISION
City Address: 9912 BELLAHAM

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 APPROVAL/ACCEPTANCE SOUGHT:
 BUILDING PERMIT APPROVAL
 CERTIFICATE OF OCCUPANCY

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?

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) _____

IS THIS A RESUBMITTAL?: Yes No

DATE SUBMITTED: _____ By: _____

COA STAFF: _____

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method

BELLAMAH Existing Developed Basins										
Basin	Area (sq)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
EXISTING	20874	0.479	0%	30.0%	0.144	57.0%	0.27314	1.459	0.060	1.77
PROPOSED	20874	0.479	0%	30.0%	0.144	46.0%	0.22043	24%	0.115	1.629
								0.065	1.85	0.080

Equations:

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

Volume = Weighted D * Total Area

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

Where for 100-year, 6-hour storm (zone 4)

Ea= 0.8	Qa= 2.2
Eb= 1.08	Qb= 2.92
Ec= 1.46	Qc= 3.73
Ed= 2.64	Qd= 5.25

DRAINAGE NARRATIVE
THIS SITE IS A DEVELOPED LOT WITHIN A FULLY DEVELOPED RESIDENTIAL SUBDIVISION. THE LOTS IS SIGNIFICANTLY LARGER THAN THE AVERAGE LOT FOR THE AREA. THE CONSTRUCTION OF A LARGE STORAGE BUILDING INCREASES THE IMPERVIOUS TO 24% WHICH IS LESS INTENSE THAN THE SURROUNDING AREA. THE INCREASE IN FLOW RATE OF .18 CFS IS PARTIALLY ATTENUATED BY THE CONSTRUCTION OF A 6" POND NEAR THE STRUCTURE. THE EXISTING DRAINAGE PATTERS TO THE STREET WILL REMAIN

PROJECT BM
RIM ELEV = 5448.57'

I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 9/1/20



10/26/20

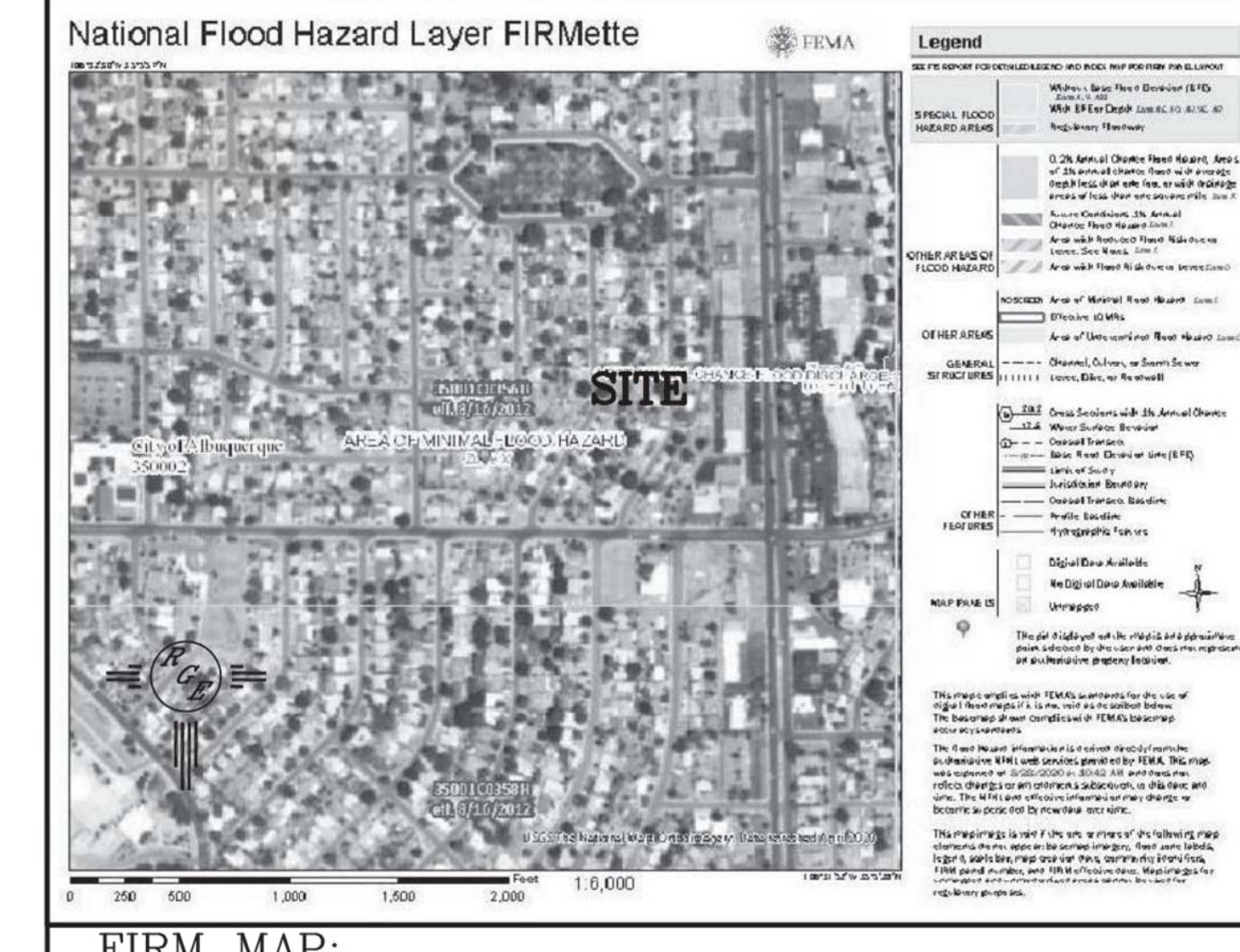
EROSION CONTROL NOTES:

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.

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 9/1/20. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by DAVID ACOSTA NMPLS 21082. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF 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. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose



6/10/21



LEGAL DESCRIPTION:

LOT 4, BLK C, VISTA BELAMONTE

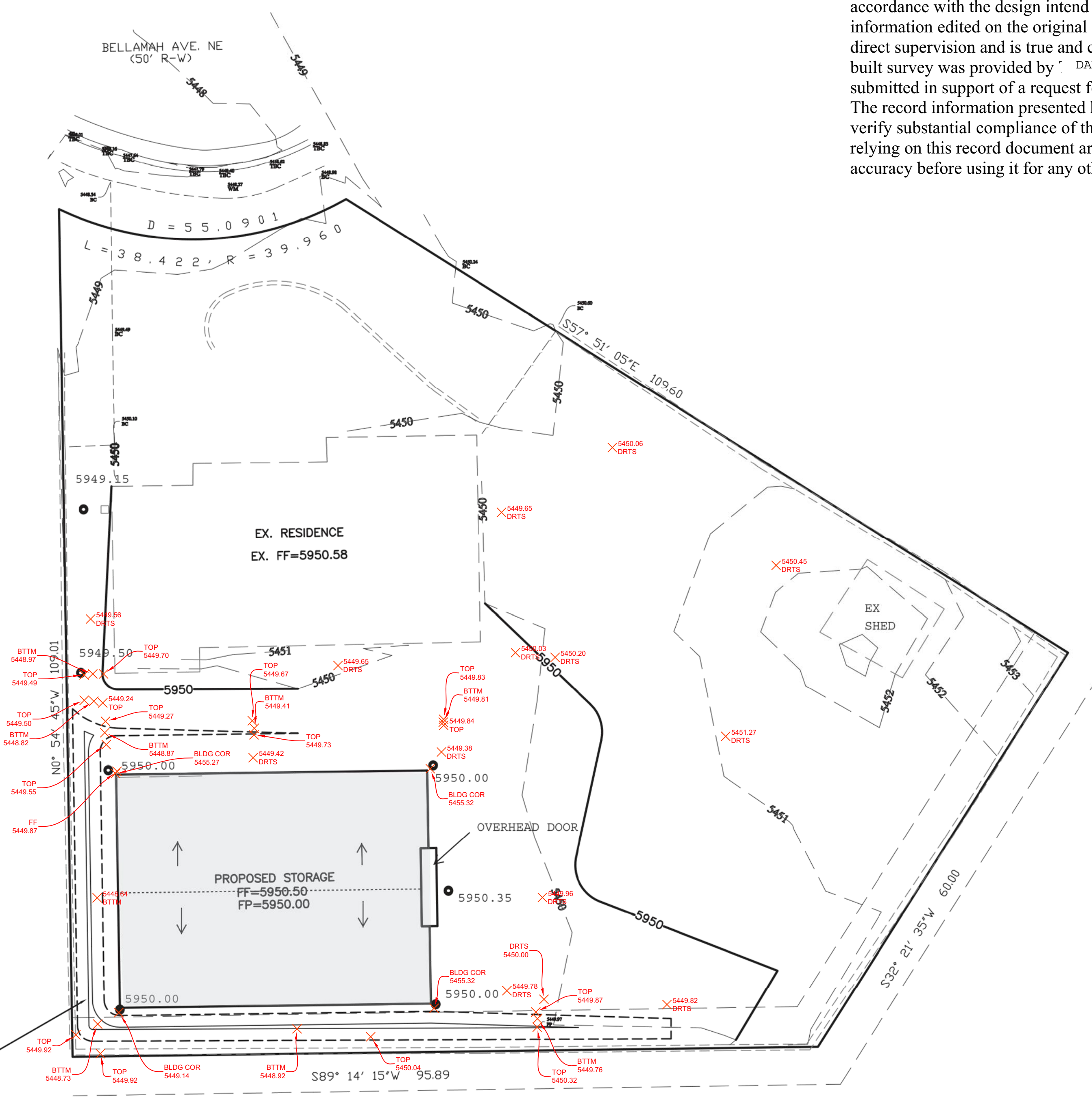
NOTES:

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.

LEGEND

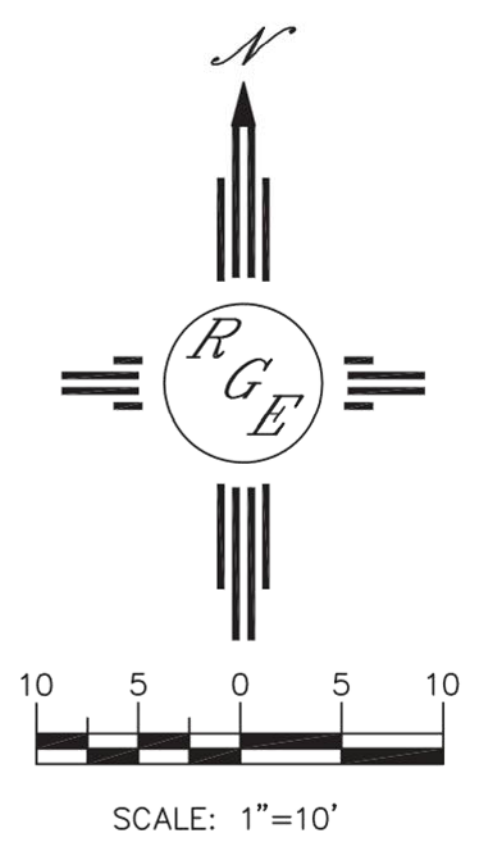
- - - - - XXXX - - - - - EXISTING CONTOUR
- - - - - XXXX - - - - - EXISTING INDEX CONTOUR
- - - - - XXXX - - - - - PROPOSED CONTOUR
- - - - - XXXX - - - - - PROPOSED INDEX CONTOUR
- - - - - XXXX - - - - - SLOPE TIE
- - - - - XXXX - - - - - EXISTING SPOT ELEVATION
- - - - - XXXX - - - - - PROPOSED SPOT ELEVATION
- - - - - BOUNDARY
- - - - - CENTERLINE
- - - - - RIGHT-OF-WAY
- - - - - PROPOSED 4" PVC SD
- - - - - POOL DECK TRENCH DRAIN
- - - - - EXISTING CURB AND GUTTER
- - - - - PROPOSED CMU RETAINING WAL-DESIGN BY OTHERS

SURVEYOR'S CERTIFICATE:
I, DAVID P ACOSTA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21082, DO HEREBY CERTIFY THAT THIS AS-BUILT SURVEY WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO
DATE: 06-09-21
DAVID P ACOSTA, NMPLS #21082



BUILD FIRST FLUSH POND
TOP=5949.50
BOTTOM=5949.00
PROPOSED VOLUME=112 CU. FT.

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	9912 BELLAMAH	DRAWN BY WCVJ
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 8-31-20
9/1/20	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0999	2102063-LAYOUT-8-20-20
DAVID SOULE P.E. #14522		SHEET #
		JOB # 2102063