

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

December 13, 2018

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

RE: **13424 Cedarbrook Ave NE**
Request for Pad Certification – Accepted
Grading Plan Stamp Date: 11/27/18
Certification Dated: 12/3/18
Drainage File: F23D013

Dear Mr. Soule:

PO Box 1293

Based on the submittal received on 12/11/18, the Engineer's Certification is approved for Building Permit.

Albuquerque

Prior to Certificate of Occupancy (For Information):

NM 87103

1. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required to ensure the site and the grades along the property lines were not disturbed during home construction.

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

www.cabq.gov

Sincerely,

Dana Peterson, P.E.
Senior 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: 13424 Cedarbrook **Building Permit #:** _____ **Hydrology File #:** F23d013

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

Legal Description: lot 15 block 14 Glenwood Hills unit 2

City Address: 13424 Cedarbrook

Applicant: Lowebo homes **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 XX RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

X HYDROLOGY/ DRAINAGE
_____ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

_____ ENGINEER/ARCHITECT CERTIFICATION
X 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?: X Yes _____ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

X 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

Existing Developed Basins										100-Year, 6-hr.		10-day		
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)
			%	(acres)	%	(acres)	%	(acres)	%	(acres)				
EXISTING	17820	0.409	0%	0	90.0%	0.368	10.0%	0.04091	0%	0.000	1.118	0.038	1.23	0.038
PROPOSED	14820	0.340	0%	0	34.0%	0.116	24.0%	0.08165	42%	0.143	1.826	0.052	1.39	0.071

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 (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

FIRST FLUSH VOLUME
REQUIRED
PROVIDED

176.36 CF	272 CF
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DRAINAGE NARRATIVE
THIS SITE IS A LOT WITHIN A FULLY DEVELOPED RESIDENTIAL SUBDIVISION. THE SITE IS ADJACENT TO FULLY DEVELOPED ROADWAYS. GLEN WOOD HILLS ARROYO.
ABUTS THIS SITE. THE DENSITY OF THIS DEVELOPMENT IS SIMILAR TO THE SURROUNDING FULLY DEVELOPED CONDITIONS. THE SITE WILL FREE DISCHARGE
AFTER THE FIRST FLUSH VOLUMES ARE RETAINED ON SITE

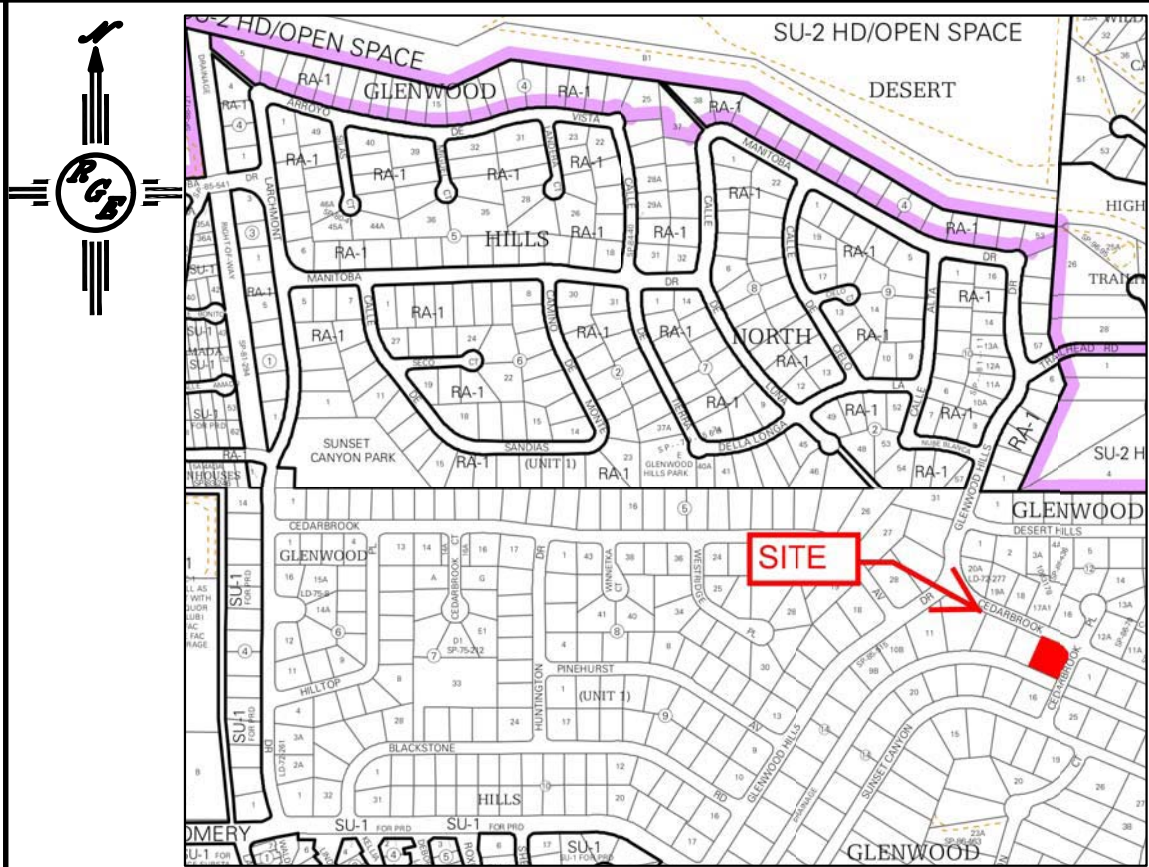
I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY
CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN
SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 11/27/18
BASED UPON APPROVAL FROM DESIGN ENGINEER THE PAD HAS BEEN CONSTRUCTED
12" LOWER. THE DRAINAGE CONCEPT HAS NOT CHANGED. I CERTIFY THE PAD IS
AT A GRADE THAT CONFORMS TO THE APPROVED PLAN AND ACCEPTABLE FOR
RELEASE OF BUILDING PERMIT



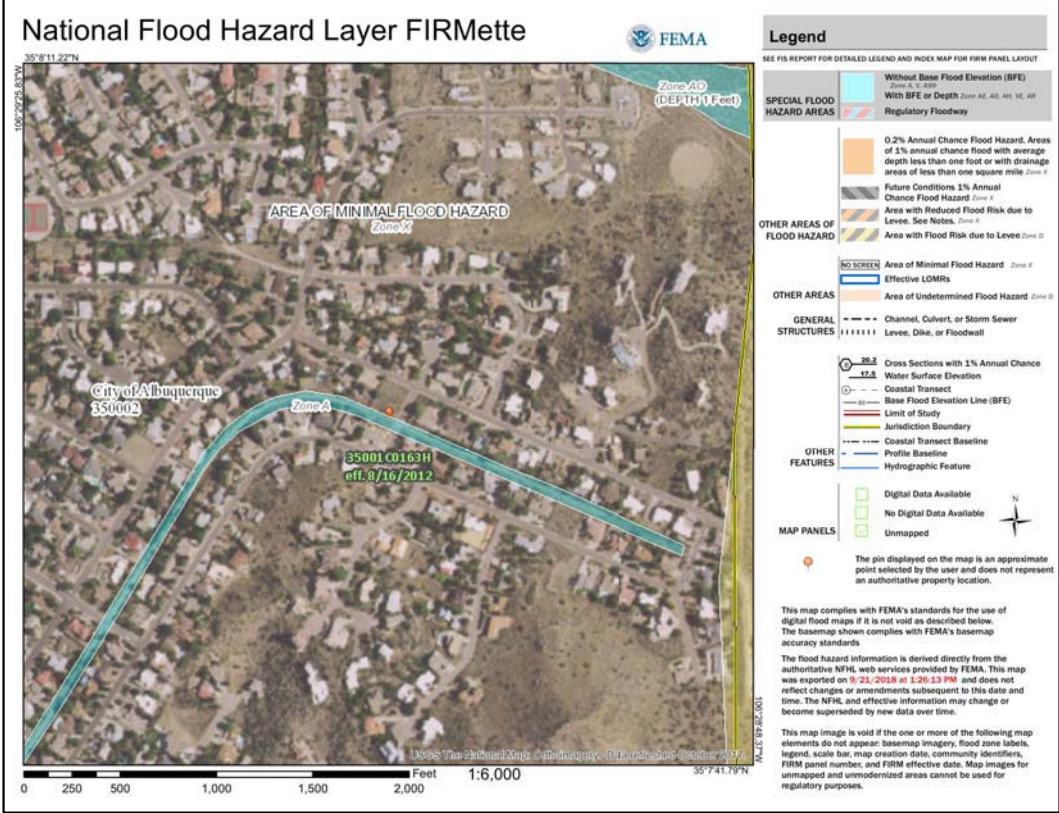
12/3/18

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: F-23-Z



FIRM MAP:

LEGAL DESCRIPTION:

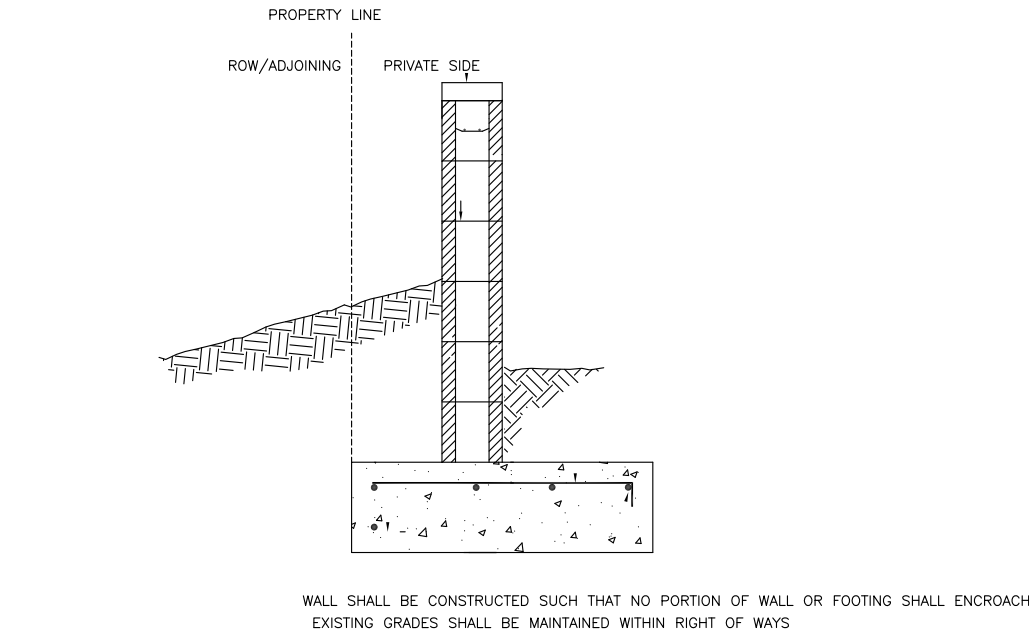
LOT 15, BLK 14 GLENWOOD HILLS UNIT 2
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

NOTES:

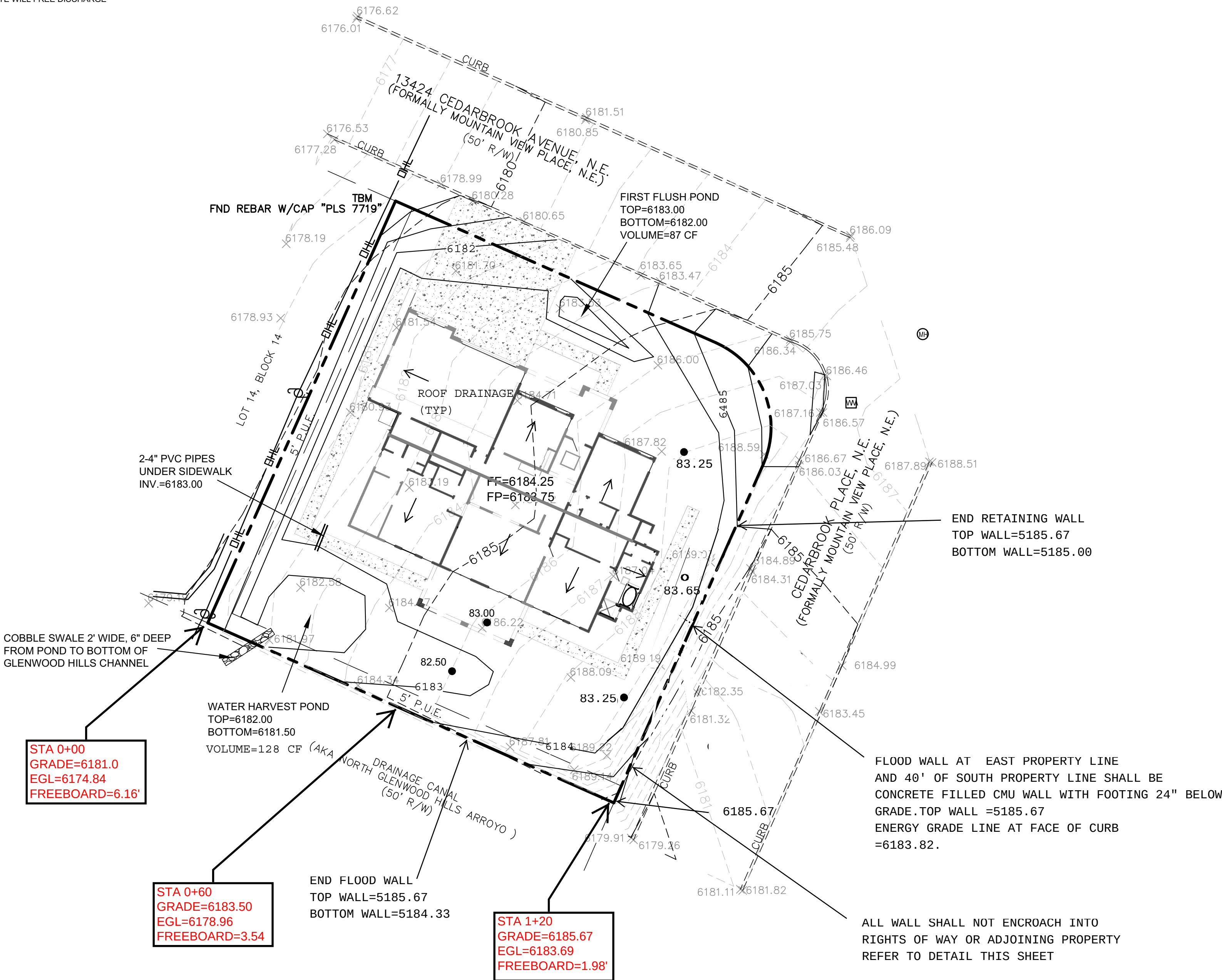
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ANY PROPOSED FENCING NOT SHOWN ON THIS PLAN MUST ALLOW FOR UNIMPEDED FLOW TO PASS THRU. COURT YARD WALLS NEAR HOME MAY BE BLOCK WITH BLOCKS TURNED AT GARDE EVERY 20' TO ALLOW FOR FREE FLOW OF STORM WATER.
3. TOPOGRAPHY SHOWN WAS OBTAINED BY CONSTRUCTION SURVEY TECHNOLOGY ON 6/28/16. DATUM USED IS NAVD88.

LEGEND

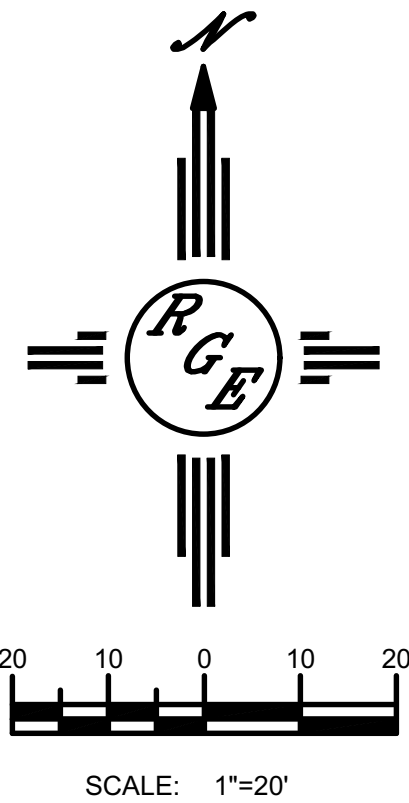
- 5601--- EXISTING CONTOUR
- 5600--- EXISTING INDEX CONTOUR
- 5601--- PROPOSED CONTOUR
- 5600--- PROPOSED INDEX CONTOUR
- RIGHT-OF-WAY
- EXISTING CURB AND GUTTER
- x 5657.58 EXISTING SPOT ELEVATION
- 5657.58 PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- [Pattern] PROPOSED CONCRETE DRIVEWAY
- [Pattern] PROPOSED GRAVEL DRIVEWAY



WALL DETAILS AT ALL PROPERTY BOUNDARIES



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.



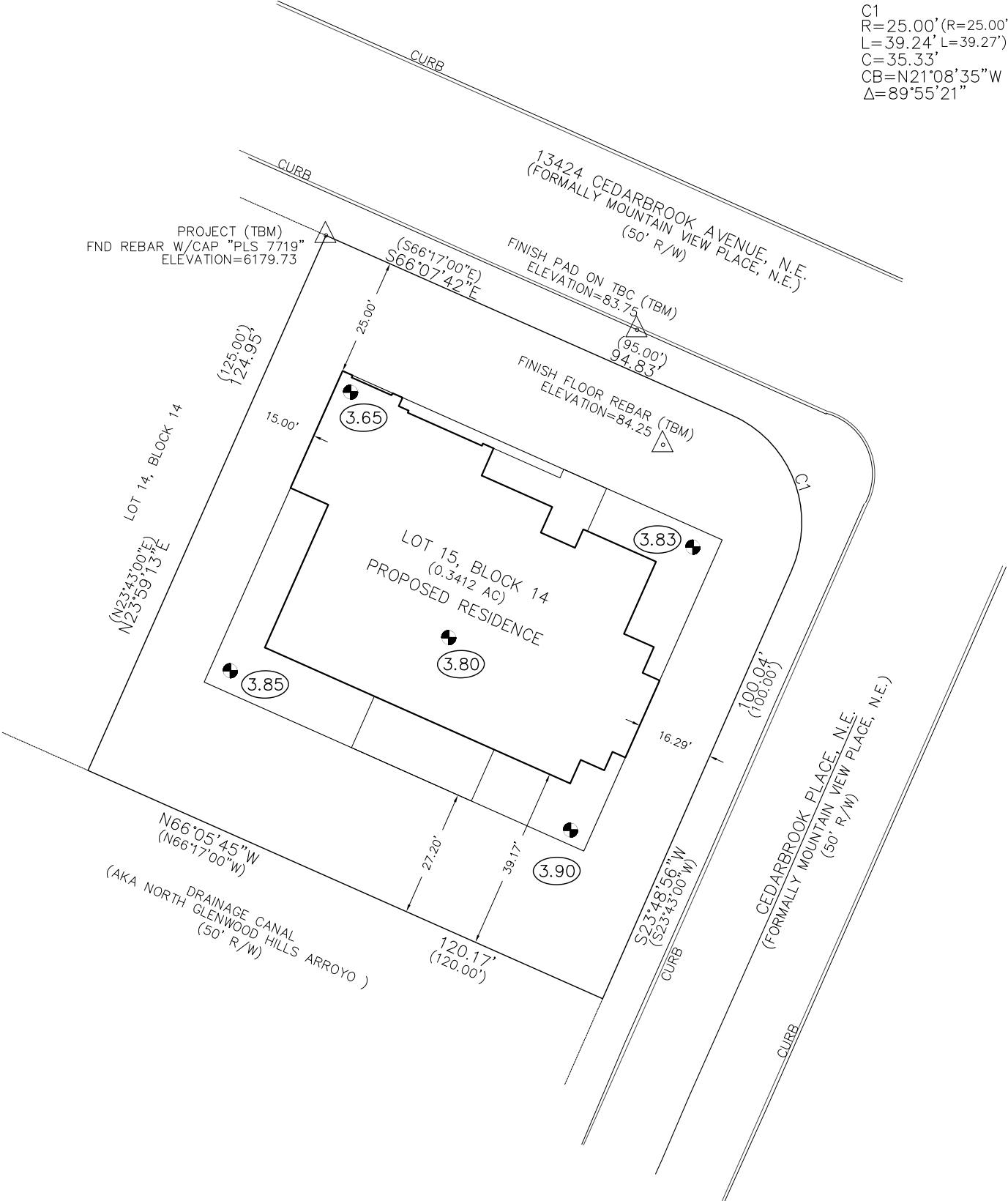
ENGINEER'S SEAL 11/27/18 DAVID SOULE P.E. #14522	13424 CEDARBROOK AVE.	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 9-23-2018
	 Rio Grande Engineering 1800 CENTRAL AVENUE SUITE 301 ALBUQUERQUE, NM 87108 (505) 872-0000	SHEET # 1 OF 1
		JOB # XXXXX







C1
R=25.00' (R=25.00')
L=39.24' L=39.27')
C=35.33'
CB=N21°08'35"W
Δ=89°55'21"

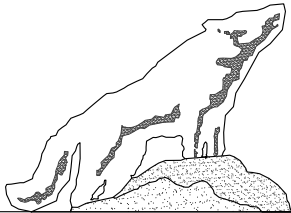


LEGEND

AS-BUILT PAD ELEVATION

PAD AS-BUILT

LOT 15, BLOCK 14
GLENWOOD HILLS UNIT 2
13424 CEDARBROOK AVE.



LOWE-BO Homes

Community
Sciences
Corporation

LAND SURVEYING & LAND PLANNING
P.O.Box 1328, Corrales N.M., 87048 (505) 897.0000
12/11/18,SLN