CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director

Mayor Timothy M. Keller

December 5, 2018

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

RE: **13424 Cedarbrook Ave NE**
Request for Pad Certification – Not Accepted
Grading Plan Stamp Date: 11/27/18
Certification Dated: 12/3/18
Drainage File: F23D013

Dear Mr. Soule:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based on the submittal received on 12/3/18, the Engineer's Certification cannot be approved for Building Permit until the following are corrected:

Prior to Building Permit:

1. Survey the building pad, east and south property lines and provide the surveyed elevations on the Grading Plan.

2. Complete the grading along the east property line and the southeast corner and prepare the subgrade for freeboard wall construction; do not leave the cut-bank at property line, do not grade into the arroyo ROW.

Prior to Certificate of Occupancy (For Information):

3. 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.

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

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-hr. Weighted E (ac-ft)	100-Year, 6-hr. Volume (ac-ft)	100-Year, 6-hr. Flow cfs	10-day Volume (ac-ft)
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

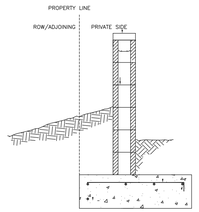
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

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 176.36 CF
PROVIDED 272 CF

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



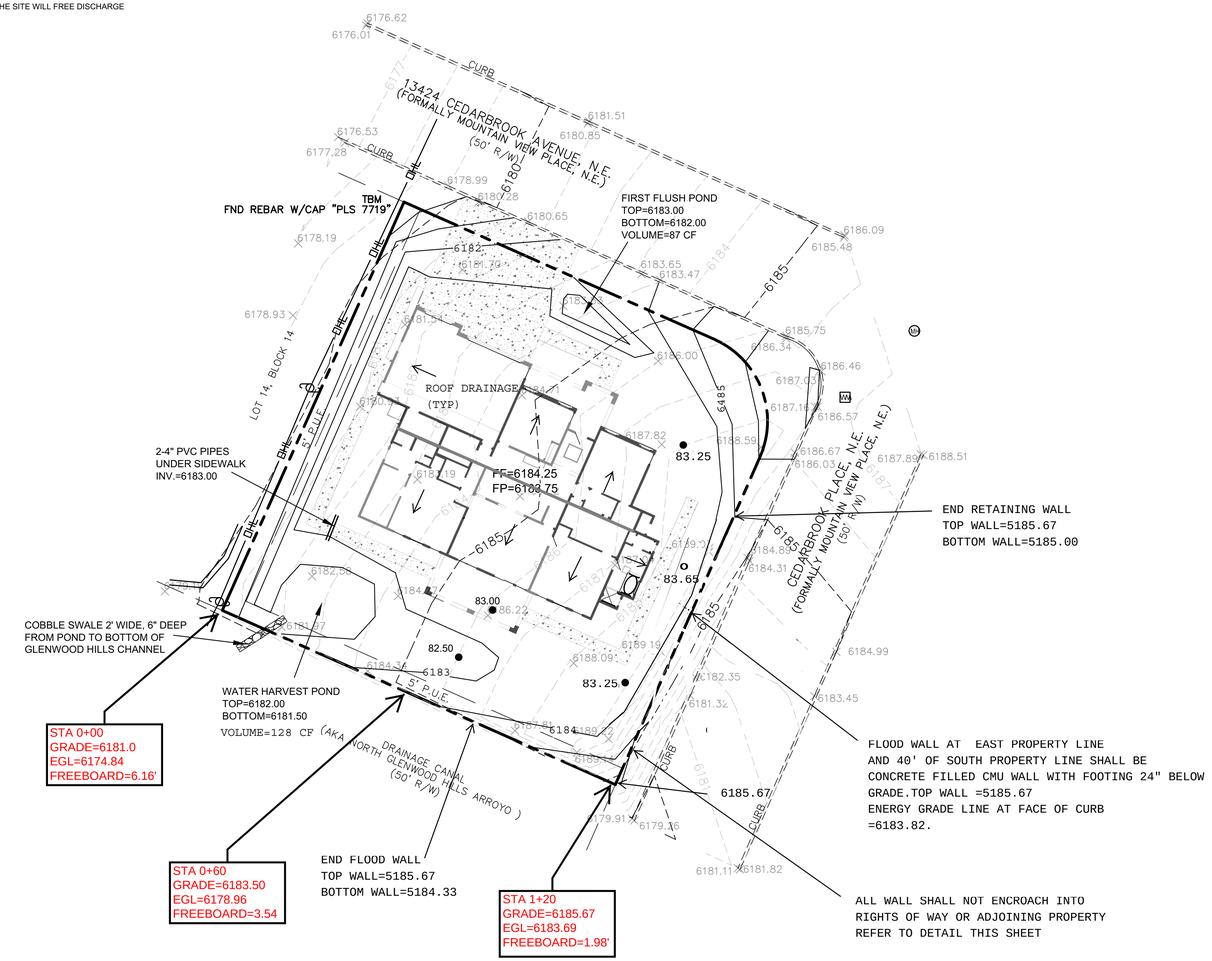
WALL SHALL BE CONSTRUCTED SUCH THAT NO PORTION OF WALL OR FOOTING SHALL ENCROACH. EXISTING GRADES SHALL BE MAINTAINED WITHIN RIGHT OF WAYS

WALL DETAILS AT ALL PROPERTY BOUNDARIES

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

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

12/3/18



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:

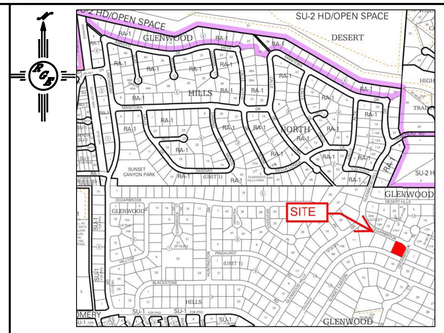
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK. 11/27/18

2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

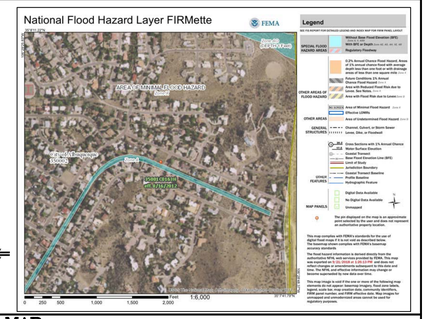
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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
- 5657.58 EXISTING SPOT ELEVATION
- 5657.58 PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED CONCRETE DRIVEWAY
- PROPOSED GRAVEL DRIVEWAY

N

20 10 0 10 20

SCALE: 1"=20'

ENGINEER'S SEAL

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

11/27/18

DAVID SOULE
P.E. #14522

13424 CEDARBROOK AVE.

GRADING AND DRAINAGE PLAN

Rio Grande Engineering
1606 CENTRAL AVENUE SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

DRAWN BY DEM

DATE 9-23-2018

SHEET # 1 OF 1

JOB # XXXXX