CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director

Mayor Timothy M. Keller

January 9, 2024

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

RE: 1212 Riverview Dr NW
Grading and Drainage Plan
Engineer's Stamp Date: 12/31/23
Hydrology File: J11D047

Dear Mr. Soule:

Based upon the information provided in your submittal received 01/02/2024, the Grading & Drainage Plan is approved for Grading Permit (earthwork can get started for the earth pad on the house and retaining walls).

PRIOR TO BUILDING PERMIT:

1. Once the grading is complete, a pad certification (meaning that the earthwork and retaining walls are complete) will be required. Please include a site photo with the submittal. Also, at the time of pad certification approval, Hydrology will concurrently approve the Grading & Drainage Plan for Building Permit.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov .

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: 1212 RIVER VIEW Hydrology File # _____
Legal Description: LOT 52 RIVERVIEW HEIGHTS
City Address, UPC, OR Parcel: 1212 RIVER VIEW NW

Applicant/Agent: RIO GRANDE ENGINEERING Contact: DAVID
Address: PO BOX 93924 ALB NM 87199 Phone: 505.321.9099
Email: DAVID@RIO GRANDE ENGINEERING.COM

Applicant/Owner: _____ Contact: _____
Address: _____ Phone: _____
Email: _____

(Please note that a DFT SITE is one that needs Site Plan Approval & ADMIN SITE is one that does not need it.)

TYPE OF DEVELOPMENT: ☐ PLAT (#of lots) _____ ☑ RESIDENCE
☐ DFT SITE ☐ ADMIN SITE

RE-SUBMITTAL: ☐ YES ☑ NO

DEPARTMENT: ☐ TRANSPORTATION ☑ HYDROLOGY/DRAINAGE

Check all that apply under Both the Type of Submittal and the Type of Approval Sought:

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
- ☐ PAD CERTIFICATION
- ☐ CONCEPTUAL G&D PLAN
- ☑ GRADING & DRAINAGE PLAN
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE MASTER PLAN
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL) ADMINISTRATIVE
- ☐ TRAFFIC CIRCULATION LAYOUT FOR DFT APPROVAL
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ STREET LIGHT LAYOUT
- ☐ OTHER (SPECIFY)_____

TYPE OF APPROVAL SOUGHT:

- ☑ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY
- ☐ CONCEPTUAL TCL DFT APPROVAL
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ SITE PLAN FOR BLDG PERMIT DFT 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
- ☐ OTHER (SPECIFY)_____

DATE SUBMITTED: 12/31/23

REV. 09/13/23

Weighted E Method

											100-Year, 6-hr.			100 yr 10-day
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)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
EXISTING	9510.00	0.218	75%	0.1637	25%	0.055	0%	0.000	0%	0.000	0.595	0.011	0.37	0.011
PROPOSED	9510.00	0.218	0%	0	15%	0.033	26%	0.057	59%	0.129	1.678	0.031	0.76	0.054

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

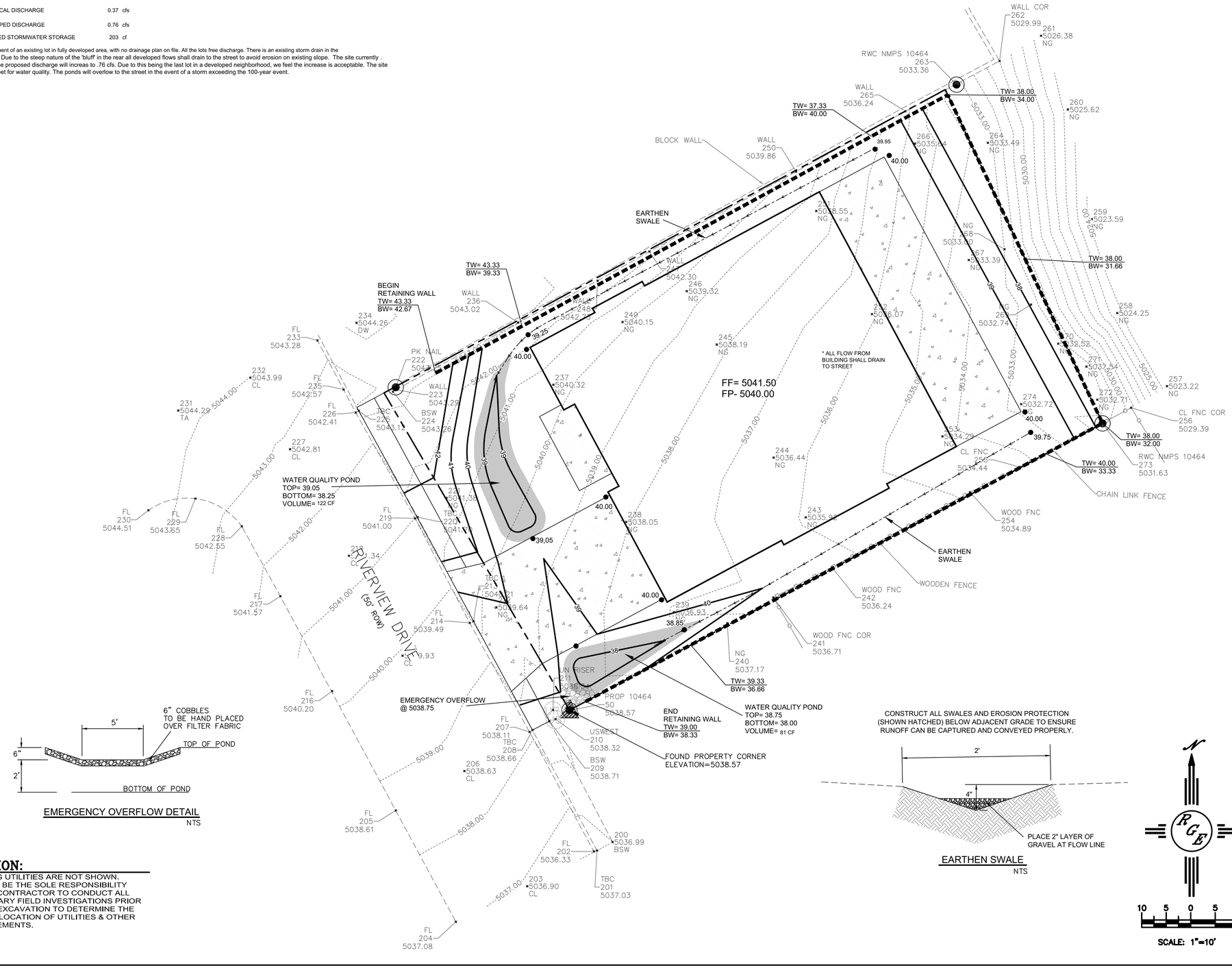
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm(zone1)

Ea= 0.55 Qa= 1.54
Eb= 0.73 Qb= 2.16
Ec= 0.95 Qc= 2.87
Ed= 2.24 Qd= 4.12

Developed Conditons	Peak rate
HISTORICAL DISCHARGE	0.37 cfs
DEVELOPED DISCHARGE	0.76 cfs
PROVIDED STORMWATER STORAGE	203 cf

This site is an development of an existing lot in fully developed area, with no drainage plan on file. All the lots free discharge. There is an existing storm drain in the riverview right of way. Due to the steep nature of the 'bluff' in the rear all developed flows shall drain to the street to avoid erosion on existing slope. The site currently . discharges .37 cfs. The proposed discharge will incresas to .76 cfs. Due to this being the last lot in a developed neighborhood, we feel the increase is acceptable. The site will retain 203 cubic feet for water quality. The ponds will overlow to the street in the event of a storm exceeding the 100-year event.



EMERGENCY OVERFLOW DETAIL
NTS

EARTHEN SWALE
NTS

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:

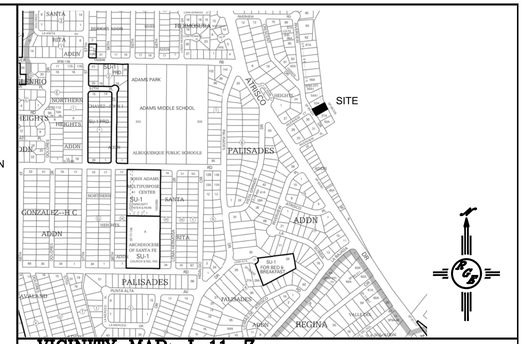
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

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.

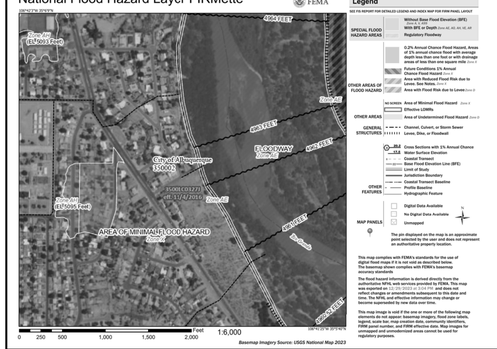
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: J-11-Z

National Flood Hazard Layer FIRMette



FIRM MAP:

LEGAL DESCRIPTION:

LOT52 RIVERVIEW HEIGHTS
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 PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

4. SURVEY INFORMATION PROVIDED BY DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NEW MEXICO STATE PLANE CENTRAL NAD83.

5. 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 RETAINING WALL
- PROPOSED CONCRETE
- PROPOSED PONDING
- PROPOSED EMERGENCY OVERFLOW

ENGINEER'S SEAL
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER
12/31/23
DAVID SOULE P.E. #14522

LOT 52 RIVERVIEW HEIGHTS
1212 RIVER VIEW DR.

GRADING AND DRAINAGE PLAN

Rio Grande Engineering
PO BOX 93924
ALBUQUERQUE, NM 87199
(505) 321-9099

DRAWN BY DEM
DATE 12-29-23
1212 River View .DWG
SHEET # C1
JOB #