

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 17, 2024

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

RE: 1903 Williams Ave SE
Permanent C.O. – Accepted
Engineer's Certification Date: 05/13/24
Engineer's Stamp Date: 08/17/23
Hydrology File: L14D065

Dear Mr. Soule:

PO Box 1293

Based on the Certification received 05/15/2024 and site visit on 05/17/2024, this letter serves as a “green tag” from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

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

NM 87103

Sincerely,

www.cabq.gov

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



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 1903 WILLIAMS AVE SE **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: TR 225 MRGCD MAP 41
City Address: 1903 WILLIAMS AVE SE

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: _____

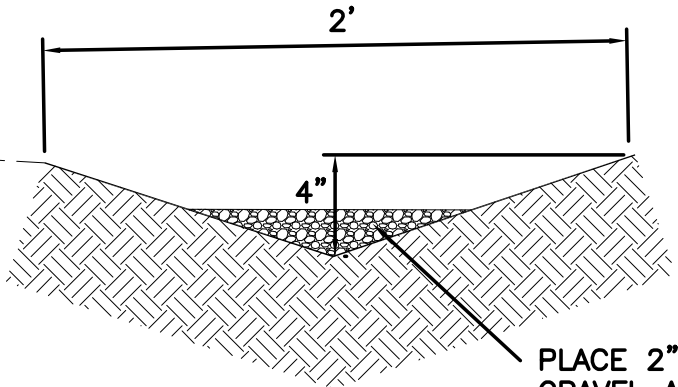
FEE PAID: _____

I **David Soule**, 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 8/17/23. The certification is submitted in support of a request for **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.



5/13/24

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



EARTHEN SWALE
NTS

RETENTION POND
TOP=4946.00
BOTTOM=4945.00
VOLUME= 1950 CU FT

RETENTION POND
TOP=4945.85
BOTTOM=4945.00
VOLUME=263 CU FT

BENCH MARK
ELEVATION=4947.54

| Weighted E Method | | | | | | | | | | | | | | | |
|-------------------|----------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|------------|-----------------|----------|----------------|----------------|
| Basin | Area | Area | Treatment A | | Treatment B | | Treatment C | | Treatment D | | Weighted E | 100-Year, 6-hr. | | 24 hour | 10-DAY |
| | (sf) | (acres) | % | (acres) | % | (acres) | % | (acres) | % | (acres) | (ac-ft) | Volume (ac-ft) | Flow cfs | Volume (ac-ft) | Volume (ac-ft) |
| EXISTING | 12812.00 | 0.294 | 50% | 0.147 | 50% | 0.147 | 0% | 0 | 0% | 0.000 | 0.640 | 0.016 | | 0.016 | 0.016 |
| PROPOSED | 12812.00 | 0.294 | 0% | 0 | 32% | 0.094 | 45% | 0.1324 | 23% | 0.068 | 1.176 | 0.029 | 0.54 | 0.033 | 0.039 |
| COMPARISON | | | | | | | | | | | | | | | |

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 1

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

ONSITE CONDITIONS
DRAINAGE SUMMARY

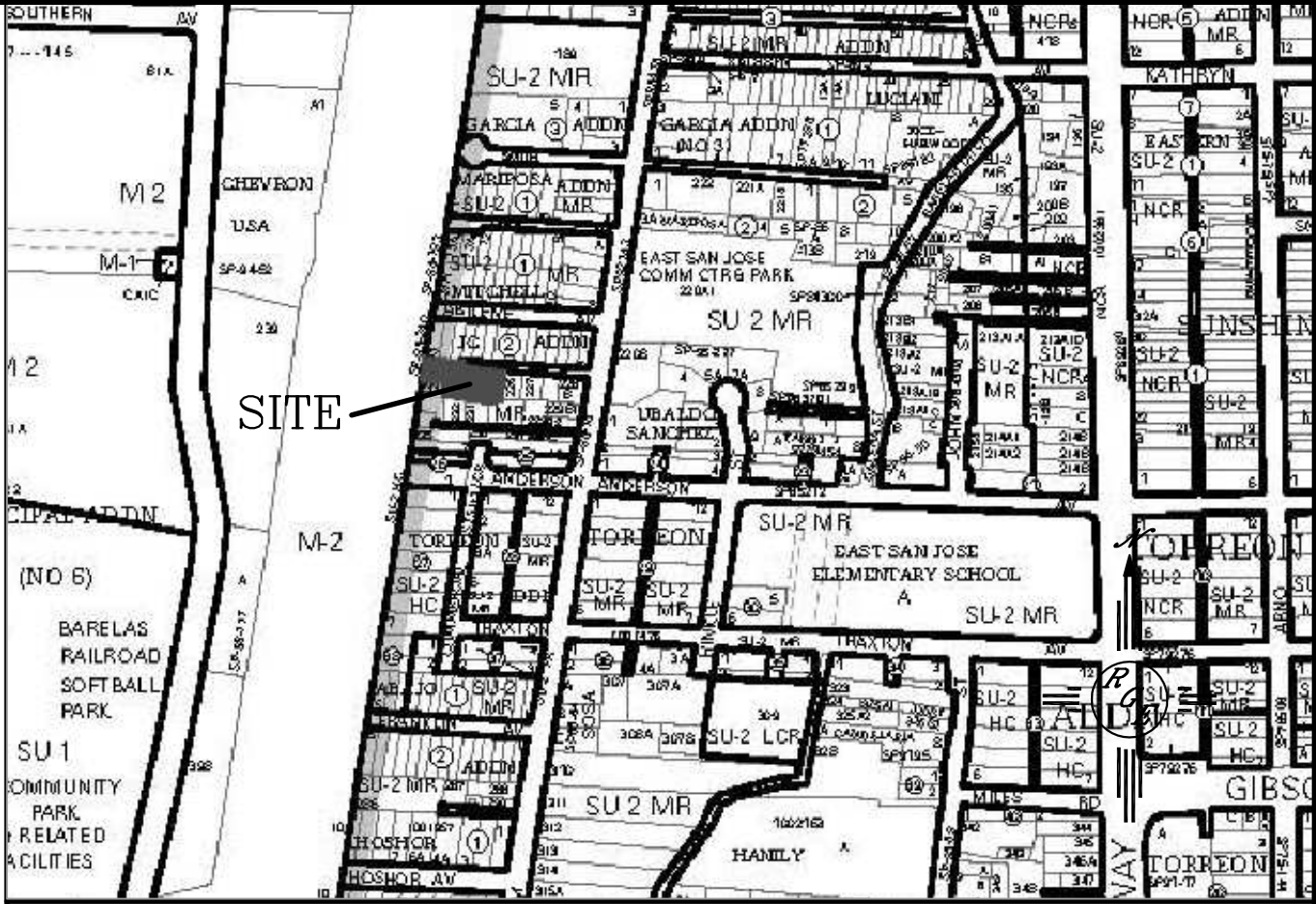
| | |
|------------------|------------------|
| REQUIRED (CF) | PROVIDED (CF) |
| 1681 | 1813 |

Narrative

This site is within the near south east, adjacent to the railroad. The site is not part of any Master Drainage plan boundaries. The site is allowed free discharge
Due to the current ponding on the lot, the grading plan will retain the 100 year 10-day volume and over flow to surrounding properties.

EROSION CONTROL NOTES:

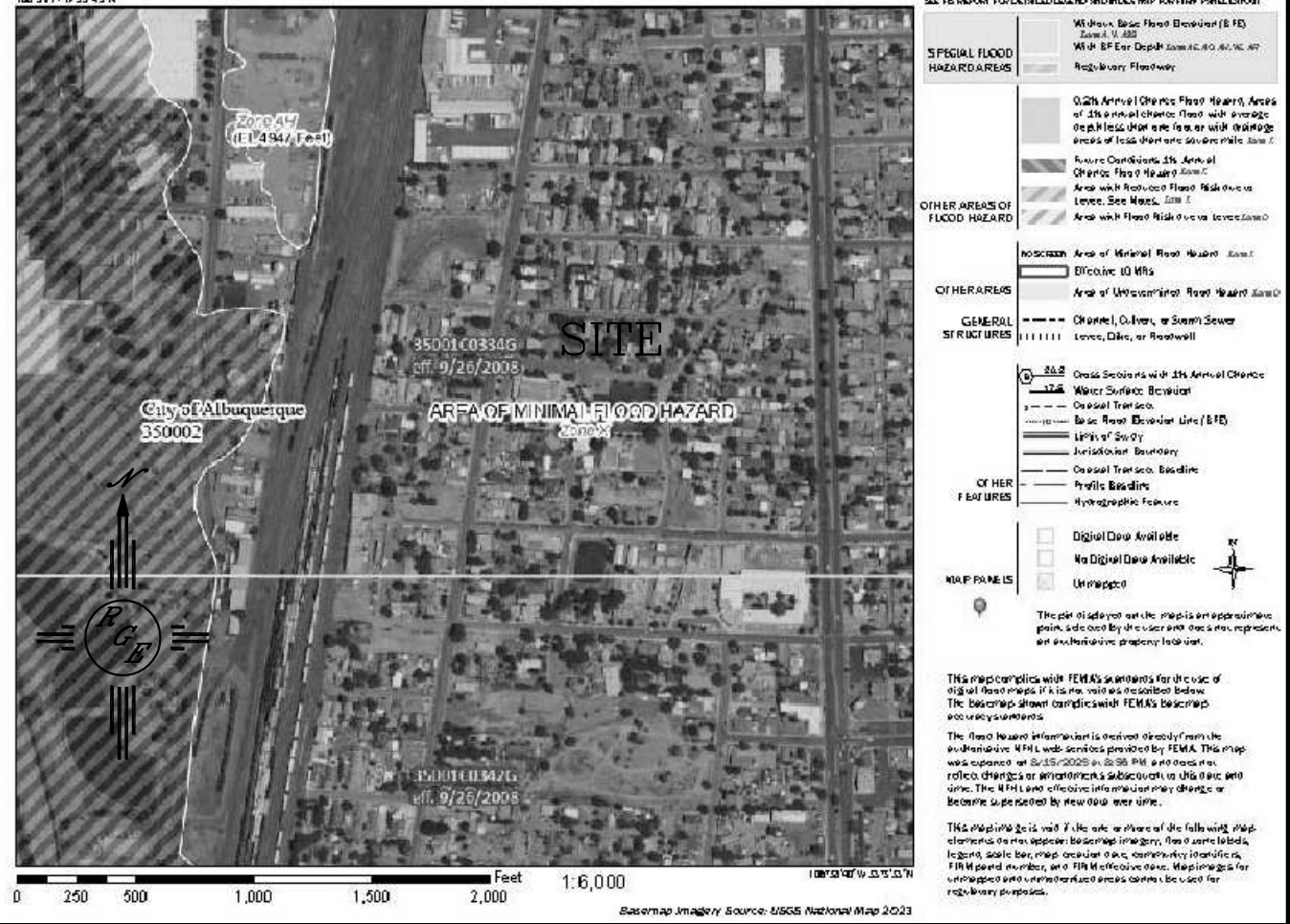
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES 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 (CITY) ACCEPTANCE OF ANY PROJECT.



VICINITY MAP:

L-14-Z

National Flood Hazard Layer FIRMette



FIRM MAP:

LEGAL DESCRIPTION:

TR 225 MRGCD MAP 41

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 PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY DYNAMIC CONSTRUCTOIN AND TECHNOLOGY USING NAVD DATUM 1988.

LEGEND

- XXXX--- EXISTING CONTOUR
- - - - - 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
- [Hatched] PROPOSED CONCRETE
- [Dotted] PROPOSED PONDING
- [Stippled] PROPOSED GRAVEL

| | | |
|---|---|--|
| ENGINEER'S SEAL 8/17/23 P.E. #14522 DAVID SOULE | 1903 WILLIAMS TR 225 MRGCD MAP 41 | DRAWN BY WCWJ |
| | GRADING AND DRAINAGE PLAN | DATE 8-16-23 |
| | PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099 | 20230043-LAYOUT-8-16-23 SHEET # — JOB # 20230043 |