

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

April 2, 2021

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

RE: 3401 Calle Facio NW
Revised Grading and Drainage Plan
Engineer's Stamp Date: 12/14/20
Engineer's Certification Date: 04/01/21
Hydrology File: H12D003B

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 04/01/2021 and site photos sent on 4/2/21, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 3401 Calle Facio NW. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

NM 87103

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

www.cabq.gov

Sincerely,

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: 3401 CALLE FACIO NW **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 4 RIVERVIEW ACRES
City Address: 3401 CALLE FACIO NW

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:** _____

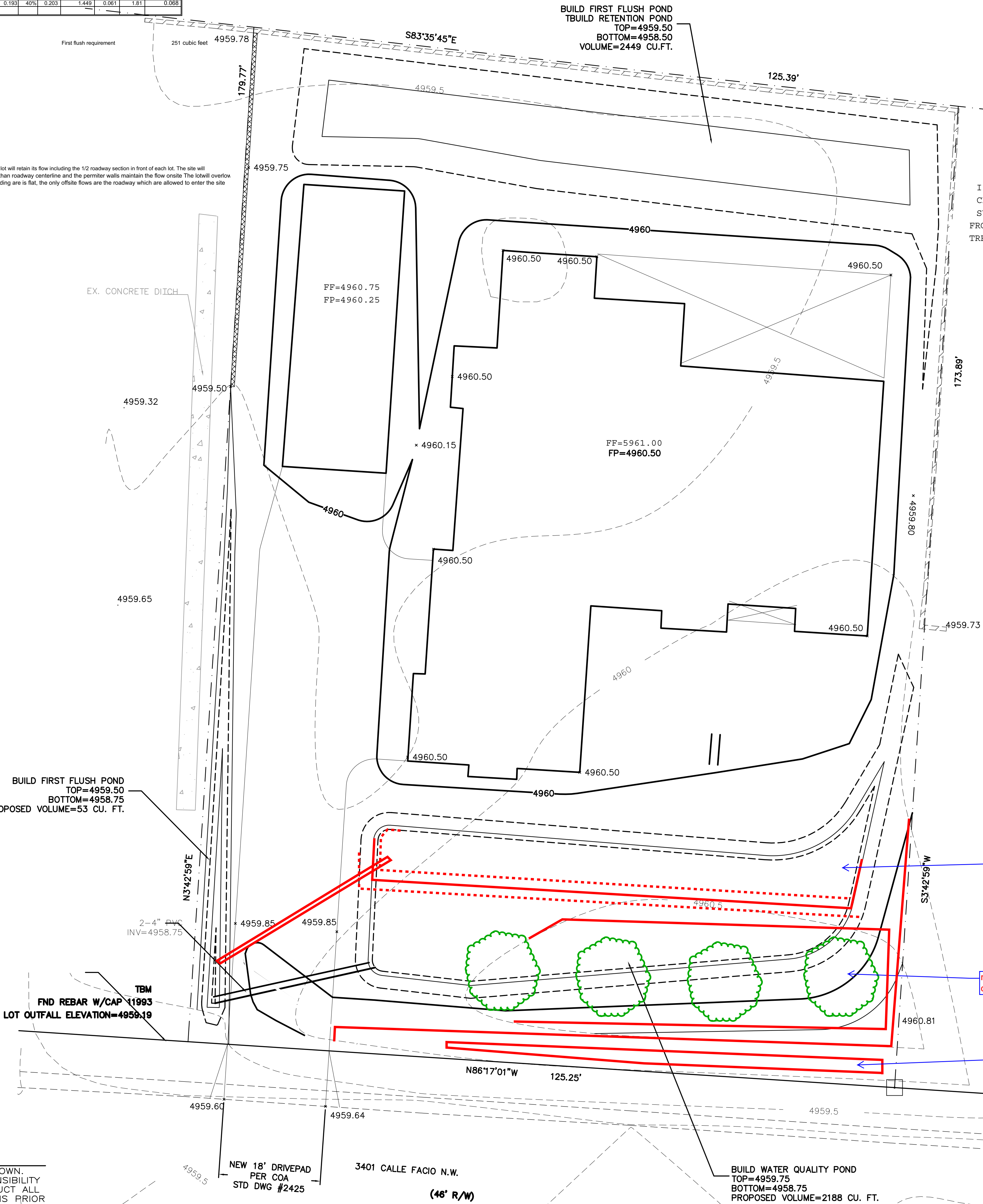
COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method												
							100-year 6-hr		100 yr 24-hour			
Basin	Area (sq ft)	Area (acres)	Treatment A %	Treatment B %	Treatment C %	Treatment D %	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)		
ADJ ROAD	3177.00	0.073	0%	0%	10%	0.007	0.062	1.994	0.012	0.32	0.014	
PROPOSED	22105.00	0.507	0%	0%	22%	0.112	38%	0.193	40%	0.203	1.81	
							1.449	0.061			0.068	
Equations:												
$Weighted\ E = Ea \cdot Aa + Eb \cdot Ab + Ec \cdot Ac + Ed \cdot Ad / (Total\ Area)$												
Volume = Weighted D * Total Area												
$Flow = Qa \cdot Aa + Qb \cdot Ab + Qc \cdot Ac + Qd \cdot Ad$												
Where for 100-year, 6-hour storm (zone2)												
Ea= 0.53			Qa= 1.56									
Eb= 0.78			Qb= 2.28									
Ec= 1.13			Qc= 3.14									
Ed= 2.12			Qd= 4.7									
Developed Conditions												
STREET DISCHARGE										TOTAL VOLUME		
PROPOSED DISCHARGE										607.34		
REQUIRED STORMWATER STORAGE										2963.91		
PROVIDED STORMWATER STORAGE										3571		
										4690		

This site is an lot in an existing subdivision. Per the drainage report H12D003, each lot will retain its flow including the 1/2 roadway section in front of each lot. The site will retain the 100-year 24-hour volume. The finished floor is more than 1' higher than roadway centerline and the perimeter walls maintain the flow on-site. The lot will overlap the historic outfall to the west in the event of storm greater than The surrounding area is flat, the only off-site flows are the roadway which are allowed to enter the site



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:

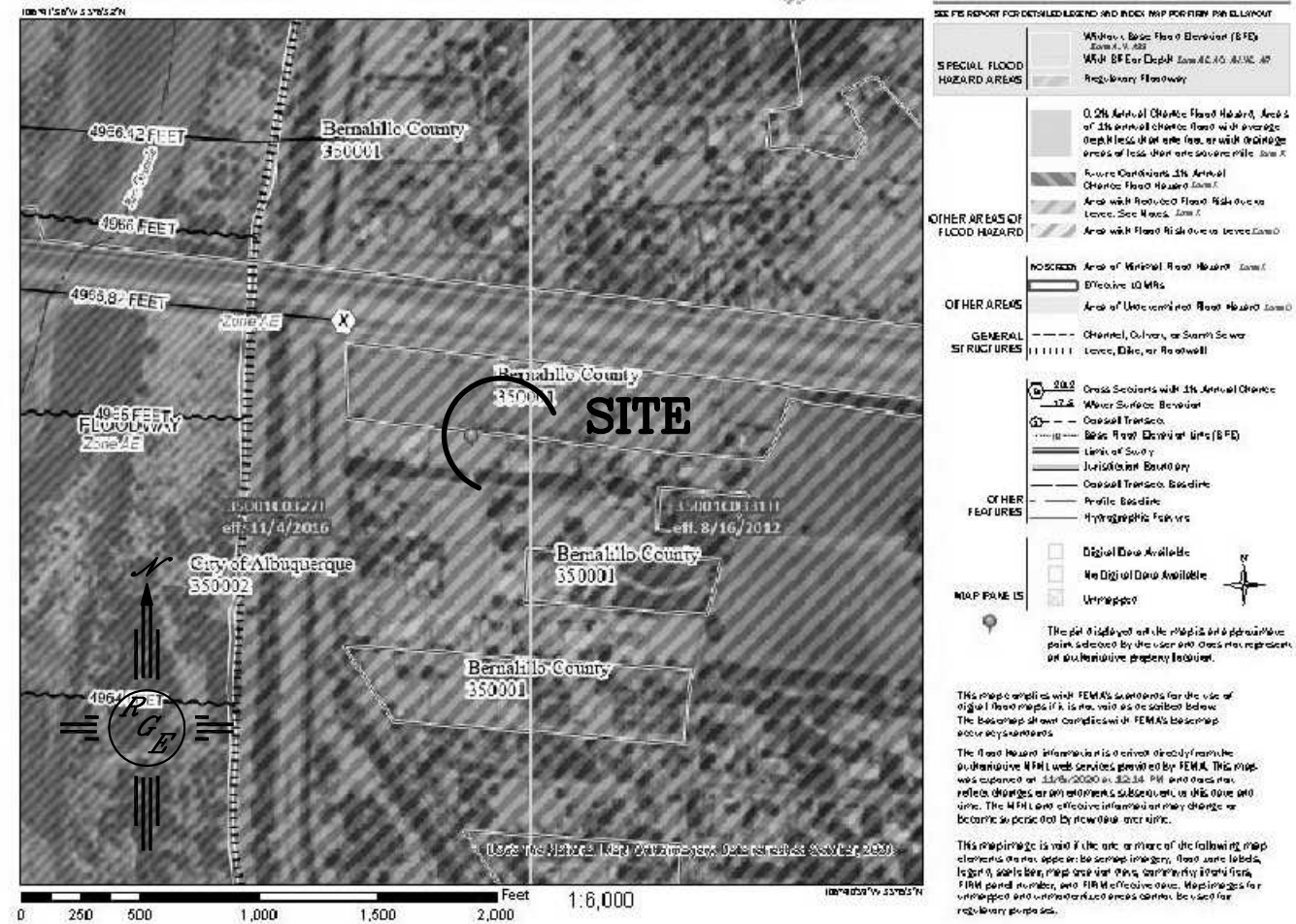
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES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

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 12/14/20 FRONT YARD PONDING WAS REVISED TO MAINTAIN EXISTING MATURE COTTONWOOD TREES. NEIGHBORHOOD ASSOCIATION IS STATING THEY CAN NOT BE REMOVED



4/1/21

National Flood Hazard Layer FIRMette



FIRM MAP:

LEGAL DESCRIPTION:

LOT 4, RIVERVIEW ACRES

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

---	EXISTING CONTOUR
- - - -	EXISTING INDEX CONTOUR
----	PROPOSED CONTOUR
----	PROPOSED INDEX CONTOUR
---	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 WALL--DESIGN BY OTHERS

 12/14/20 DAVID SOULE P.E. #14522	3401 CALLE FACIO	DRAWN BY: WCVJ
	GRADING AND DRAINAGE PLAN	DATE: 11-16-20
	 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-5999	2102098--LAYOUT--11-16-20
		SHEET #
		JOB # 2102098