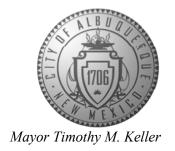
# CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



February 5, 2024

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

RE: 801 Vista Faisan Trail NW

Permanent C.O. - Accepted

Engineer's Certification Date: 01/26/24

**Engineer's Stamp Date: 02/10/22** 

**Hydrology File: F14D057B** 

Dear Mr. Soule:

PO Box 1293 Based on the Certification received 01/26/2024 and site visit on 02/02/2024, 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.

Renée C. Brissette

Albuquerque If you have any questions, please contact me at 924-3995 or <u>rbrissette@cabq.gov</u>.

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)

DRB#:	Project Title: 801 VISTA FAISAN T	R_Building Permit #:	Hydrol	ogy File #.
Legal Description: LOT 11 VISTA FAISAN SUBDIVISION  City Address: 801 VISTA FAISAN TRAIL  Applicant: Contact: C	DRB#:	EPC#:	Work (	Order#:
City Address:    Applicant:	Legal Description: LOT 11 VISTA F	AISAN SUBDIVISI	ON	
Address:	City Address: 801 VISTA FAISAN	rail .	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
Phone#:	Applicant:		Contact:	
Phone#:				
Address: PO BOX 93924 ALB NM 87199  Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: david@riograndeengineering.cc  TYPE OF DEVELOPMENT:PLAT X RESIDENCEDRB SITEADMIN SITE  Check all that Apply:  DEPARTMENT:X HYDROLOGY/ DRAINAGETRAFFIC/TRANSPORTATION				
Address: PO BOX 93924 ALB NM 87199  Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: david@riograndeengineering.cc  TYPE OF DEVELOPMENT:PLAT X RESIDENCEDRB SITEADMIN SITE  Check all that Apply:  DEPARTMENT:X HYDROLOGY/ DRAINAGETRAFFIC/TRANSPORTATION	Other Contact: RIO GRANDE ENGIN	EERING	Contact:	DAVID SOULE
Phone#: 505.321.9099				
TYPE OF DEVELOPMENT:PLATX RESIDENCEDRB SITEADMIN SITE  Check all that Apply:  DEPARTMENT:	<del></del>		E-mail: d	avid@riograndeengineering.com
Check all that Apply:  DEPARTMENT:  X HYDROLOGY/ DRAINAGE  TRAFFIC/ TRANSPORTATION  X CERTIFICATE OF OCCUPANCY  TYPE OF SUBMITTAL:  X ENGINEER/ARCHITECT CERTIFICATION  PAD CERTIFICATION  PAD CERTIFICATION  CONCEPTUAL G & D PLAN  GRADING PLAN  DRAINAGE REPORT  DRAINAGE MASTER PLAN  FINAL PLAT APPROVAL  GRADIND PERMIT APPROVAL  FLOODPLAIN DEVELOPMENT PERMIT APPLIC  ELEVATION CERTIFICATE  CLOMR/LOMR  TRAFFIC CIRCULATION LAYOUT (TCL)  TRAFFIC IMPACT STUDY (TIS)  STREET LIGHT LAYOUT  OTHER (SPECIFY)  DATE SUBMITTED:  BY:  COA STAFF:  ELECTRONIC SUBMITTAL RECEIVED:  TYPE OF APPROVAL/ACCEPTANCE SOUGHT:  TYPE OF APPROVAL/ACCEPTANCE SOUGHT:  TYPE OF APPROVAL  TRAFFICATION CEPTIFICATION  SIZE PLAN FOR SUB'D APPROVAL  FINAL PLAT APPROVAL  SIA/ RELEASE OF FINANCIAL GUARANTEE  FOUNDATION PERMIT APPROVAL  GRADING PERMIT APPROVAL  SO-19 APPROVAL  APPROVAL  CLOMR/LOMR  OTHER (SPECIFY)  DATE SUBMITTED:  By:  COA STAFF:  ELECTRONIC SUBMITTAL RECEIVED:  TYPE OF APPROVAL  CERTIFICATE SOUGHT:  A PAVING PERMIT APPROVAL  CLOMR/LOMR  FLOODPLAIN DEVELOPMENT PERMIT  OTHER (SPECIFY)  DATE SUBMITTED:  By:				
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IS THIS A RESUBMITTAL?: Yes _X No  DATE SUBMITTED: By:  COA STAFF: ELECTRONIC SUBMITTAL RECEIVED:	OTHER (SPECIFY)	C	LOMR/LOMR	
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COA STAFF: ELECTRONIC SUBMITTAL RECEIVED:	IS THIS A RESUBMITTAL?: YesX_N	O	THER (SPECIFY)	
FFE PAID	COA STAFF:	ELECTRONIC SUBMITTAL	RECEIVED:	_
CERTAIN		FEE PAID:		





















## Weighted E Method

											100-Year, 6	-hr.		10-day
Basin	Area	Area	Treatme	ent A	Treatme	nt B	Treatmer	nt C	Treatme	nt D	Weighted 日	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
EXISTING	10872.00	0.250	0%	0	50%	0.125	50%	0.1248	0%	0.000	0.915	0.019	0.68	0.019
PROPOSED	10872.00	0.250	0%	0	25%	0.062	30%	0.0749	45%	0.112	1.558	0.032	0.86	0.047
										•		·-		0.028

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

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

REQUIRED PROVIDED 1236 cubic feet

PROVIDED

1236

First flush requirement (Redevelopment=impx.26/12— New development=impx.34/12

Volume = Weighted D \* Total Area

Where for 100-year, 6-hour storm Qa= 1.71 Qb= 2.36 Qc= 3.05 Eb= 0.8 Ec= 1.03

INCREASE

Ed= 2.33

FLOOD CONTROL

**Developed Conditions** PEAK FLOW PONDING

1234 CF

Qd= 4.34

I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, 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 2/10/22. The certification is submitted in support of a request for <u>CERTIFICATE OR OCCUPANCY</u>. 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.

## EROSION CONTROL NOTES:

INTO EXISTING RIGHT-OF-WAY.

- 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
- 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.



NARRATIVE THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A HOME IN AN EXISTING SUBDIVISION. THE SUBDIVISION WAS ANALYZED WITHIN FILE F14-D57 THE MASTER DRAINAGE PLANS CALLS FOR FREE DISCHARGE OF THE DEVELOPED AREA AND RETENTION OF 988 CUBIC FEET WITHIN THE REAR YAF THIS PLAN FREE DISCHARGES ALL DEVELOPED FLOW TO ROADWAY AND SUBSEQUENT SUBDIVISION PONDS AND RETAINS 1236 CUBIC FEET, WHICH EXCEEDS THE REQUIRED. THIS DEVELOPMENT IS CONSISTENT WITH THE APPROVED MASTER DRAINAGE PLAN

6-HOUR 0.19 CFS

> 4978.27 4978.86 4978.55 BUILD WATER QUALITY POND <sup>0</sup> 4978.49 TOP=4977.75 BOTTOM=4977.00 4979.00 PROPOSED VOLUME=154 CU FT <sup>0</sup> 4978.59 4979.15 ° 4978.21 BUILD REAR YARD RETENTION POND - TOP=4978.65 4979.53 BOTTOM=4977.50 <sup>0</sup> 4978.31 PROPOSED VOLUME=1067 CU FT 4978.44 4978.96 4977.13 4977.78 FF=4979.55 FF=4979.50 centerline marker El=4977.74 FP=4979.00 LOT OUTFALL 4979.12 EXISTING WALL IS **@** 4977.94 18" FLOODWALL <sup>0</sup> 4978.14 PER MASTER DRAINAGE PLAN TOP=4979.00 <sup>0</sup> 4978.31 4978.79 4978.12 4979.13 -4978.17 4977.48 4978.3 <sup>0</sup> 4978.58 **>** 4979.00 🕻 4979.11 — TOG=4979.05 <sup>0</sup> 4978.59 BUILD WATER QUALITY POND TOP=4977.33 BOTTOM=4977.00 PROPOSED VOLUME=15 CU F TOG=4979.06 TOG=4978.99 4978.98 "ASBUILT" UNDERGROUND CONDUIT ADDED, TOG=4978.92 **OWNER SHALL** RESPONSIBLE 4978.82 FOR PIPE AND 4978.85 IMPACT TO

> > INV=4977.94

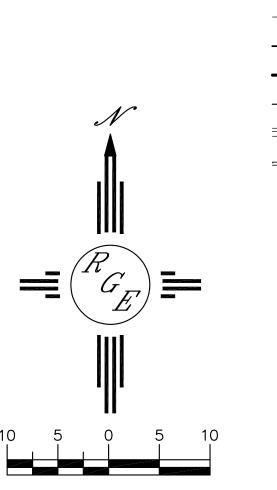
4978.85

**FOUNDATION** 

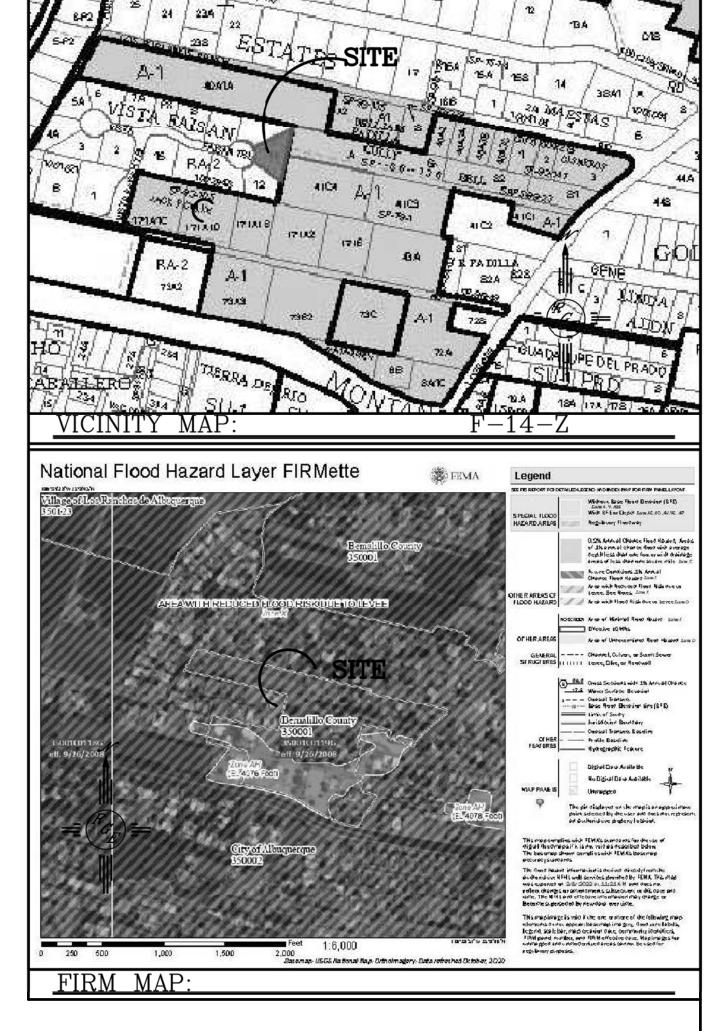
1/25/24

DATE

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.



SCALE: 1"=10'



## LEGAL DESCRIPTION: LOT 11, VISTA FAISAN SUBDIVISION

# NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.

3. NO PONDING WITHIN 10' OF STRUCTURE.

4. SURVEY INFORMATION PROVIDED BY CONSTRUCTION SURVEY TECHNOLOGY UTILIZING NAVD 1988 DATUM

# LEGEND

EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR PROPOSED INDEX CONTOUR SLOPE TIE EXISTING SPOT ELEVATION × XXXX \* XXXX PROPOSED SPOT ELEVATION ------ LOT LINE CENTERLINE — RIGHT—OF—WAY — PROPOSED PVC SD (SEE PLAN FOR SIZE) ---- GRAVEL LINED SWALE PROPOSED CMU SCREEN WALL-DESIGN BY OTHERS 18" MAX RETAINGE @ PERIMETER WALL

ENGINEER'S SEAL	801 VISTA FAISAN	DRAWN BY WCWJ	
SVID SOL		DATE 2-09-22	
REGISTER MEXICO REGISTA REGIST	GRADING AND DRAINAGE PLAN	2-09-22 20220011-LAYOUT-2-09	
APOFESSIONAL ET	Rio Grande	SHEET #	
2/10/22	Ingineering 1606 CENTRAL AVENUE SE	_	
DAVID SOULE P.E. #14522	SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	JOB # 20220011	