# CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

August 16, 2022

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

Re: 6616 Meadowlake Pl NW

**Request for Certificate of Occupancy - Permanent** 

**Hydrology Final Inspection – Approved** 

Grading and Drainage Plan Stamp Date: 03/03/2021

Certification dated: 10/18/2021

**Drainage File: E11D026** 

Dear Mr. Soule,

Based on the submittal received 8/10/2022 and inspection on 8/16/222 this certification is approved

for Permanent Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 505-924-3695 or dggutierrez@cabq.gov.

Albuquerque

PO Box 1293

Sincerely,

NM 87103

David G. Gutierrez, P.E.

Senior Engineer, Planning Dept.

Lu Gul

www.cabq.gov Development Review Services



# City of Albuquerque

# Planning Department

## Development & Building Services Division

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Applicant: Address:	
Phone#: Fax#:	
Other Contact: RIO GRANDE ENGINEERING	Contact: DAVID SOULE
Address: PO BOX 93924 ALB NM 87199	
Phone#: 505.321.9099 Fax#: 505.87	2.0999 E-mail: david@riograndeengineering.com
TYPE OF DEVELOPMENT: PLAT _X RESID	
Check all that Apply:	<del></del>
DEPARTMENT:  X HYDROLOGY/ DRAINAGE  TRAFFIC/ TRANSPORTATION  TVPE OF SUBMITTAL:  X ENGINEER/ARCHITECT CERTIFICATION  PAD CERTIFICATION	TYPE OF APPROVAL/ACCEPTANCE SOUGHT: BUILDING PERMIT APPROVAL PRELIMINARY PLAT APPROVAL SITE PLAN FOR SUB'D APPROVAL
CONCEPTUAL G & D PLAN  GRADING PLAN  DRAINAGE REPORT	SITE PLAN FOR BLDG. PERMIT APPROVAL FINAL PLAT APPROVAL
DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT APPLIC ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL)	SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL SO-19 APPROVAL PAVING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)  STREET LIGHT LAYOUT  OTHER (SPECIFY)  PRE-DESIGN MEETING?	GRADING/ PAD CERTIFICATION WORK ORDER APPROVAL CLOMR/LOMR FLOODPLAIN DEVELOPMENT PERMIT
IS THIS A RESUBMITTAL?: X Yes No	OTHER (SPECIFY)
DATE SUBMITTED: By:	
	BMITTAL RECEIVED:

### Weighted E Method

												100-Yea	r, 6-hr.		24 hour
Basin	Area	Area	Treati	ment A	Treat	ment B	Treati	ment C	Treatr	ment D	Weighted E	Volume	Flow		Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs		(ac-ft)
ALLOWED	12435.00	0.285	0%	0	24%	0.069	40%	0.1142	36%	0.103	1.362	0.032		0.90	0.039
PROPOSED	12435.00	0.285	0%	0	20%	0.057	41%	0.117	39%	0.111	1.409	0.034		0.92	0.041
COMPARISON												0.001			0.002

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 3/3/21

**MOJAVE STREET** 

FF = 5139.50 FP = 5139.00

I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, hereby certify that

information edited on the original design document has performed by me or under my

built survey was provided by THOMAS PATRICK NMPS 12651. The certification is

direct supervision and is true and correct to the best of my knowledge and belief. The as-

submitted in support of a request for PERMANENT 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. Those

relying on this record document are advised to obtain independent verification of its

39.00

WATER QUALITY POND

TOP = 38.50BOTTOM = 38.00VOLUME = 151 CF **9**39.00

accuracy before using it for any other purpose

this project has been graded and will drain in substantial compliance with and in

accordance with the design intend of the approved plan dated 3/3/21. The record

×<sub>5138.45</sub>

×<sub>5138.39</sub> 39.00

**EARTHEN SWALE** 

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

**EROSION CONTROL NOTES:** 

LOT OUTFALL

TURN 1 BLOCK AT

GRADE (5137.50)

WATER QUALITY POND

TOP = 37.50BOTTOM = 37.25

VOLUME = 138 CF

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

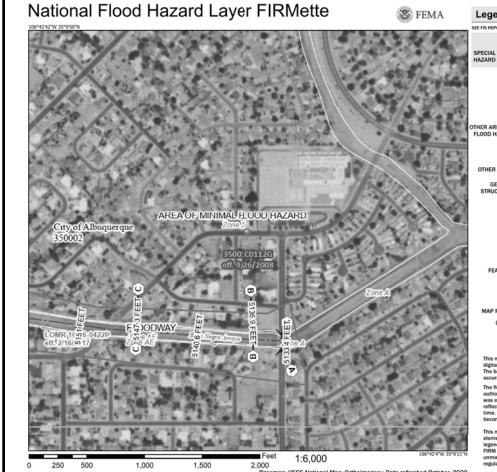
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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: E-11-2



LOT 5 BLOCK 8 UNIT 7 VOLCANO CLIFFS
CITY OF ALBUQUERQUED, BERNALILLO COUNTY, NEW MEXICO

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY ALL RETAINING WALL DESIGN

4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD

5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

EXI	STING CONTOUR
EXI	STING INDEX CONTOUR
	OPOSED CONTOUR
	OPOSED INDEX CONTOUR
× XXXX EXI	STING SPOT ELEVATION
• XXXX PRO	OPOSED SPOT ELEVATION
во	UNDARY
— — — — — AD.	JACENT BOUNDARY
======================================	STING CURB AND GUTTER
—————————————————————————————————————	OPOSED EARTHEN SWALE
PR	OPOSED RETAINING WALL
PRI PRI	OPOSED CONCRETE

PROPOSED CONCRETE

SCALE: 1"=10'

# LOT 5 BLK 8 UN 7 VC **ENGINEER'S** SEAL 6616 MEADOW LAKE PL

# GRADING AND DRAINAGE PLAN

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

DRAWN

BY DEM

DATE

3-2-21

LOT 5 BLK 8 UN 7 VC.DWG

SHEET#

JOB#

DAVID SOULE P.E. #14522

3/3/21

# PLACE 2" GRAVEL AT FLOW LINE FOR EROSION PROTECTION

## Ed= 2.24 Qd= 4.12 ONSITE Conditions FIRST FLUSH WATER QUALITY VOLUME PROVIDED WATER QUALITY FLOOD CONTROL Narrative

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

Eb= 0.73

Ec= 0.95

Volume = Weighted D \* Total Area

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

Where for 100-year, 6-hour storm-zone 1

This site is within the a fully developed subdivison. Due to its proximately and nature we will assume SAD 227 fully developed conditions to be allowed. The site is to maintain existing patterns and drain to the adjacent roadway. The site does exceed the SAD 227 developed conditions assumptions,

6616 MEADOW I

5139.36

therefore ponding of 74 cf is required. This is retained onsite with shallow ponds overflowing to the right of way at the northeast corner Measurable upland flows do not impact this site. This plan is in conformance to the master drainage plan

Qb= 2.16

Qc= 2.87

**LEGAL DESCRIPTION:** 

NOTES:

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

SHALL BE BY OTHERS.

# **LEGEND**

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.

# RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

CONSTRUCT ALL SWALES AND EROSION PROTECTION

(SHOWN HATCHED) BELOW ADJACENT GRADE TO ENDSURE

**EARTHEN SWALE** 

# **CAUTION:**