CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

March 11, 2025

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

RE: 4838 Guadalupe Trail NW Grading & Drainage Plan Engineer's Stamp Date: 1/20/24 Hydrology File: F14D087 Case # HYDR-2025-00066

Dear Mr. Soule:

PO Box 1293 Based upon the information provided in your submittal received 02/28/2025, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. 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 CERTIFICATE OF OCCUPANCY:**

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

www.cabq.gov

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, <u>jhughes@cabq.gov</u>, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

Sincerely,

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Anthony Montoya, Jr., P.E., CFM Senior Engineer, Hydrology Planning Department, Development Review Services

Weighted E Method																
Basin	Area	Area	Treatme	ent A	Treat	ment B	Treat	tment C	Trea	tment D	100 Weighted E)-Year, 6-hi	r. Flow	100 yr 10-DAY Volume		
Historical	10708.00	0 246	⁷⁶ (2 100% 0	0.2458	0% 30%	0.000	70 0% 25%	0.000	[%]) 0%	0.000	0.620	0.013	0.42			
Equations:	10700.00	0.240	0,0	0	00 /0	0.074	2070	0.00	4070	0.111	1.400	0.000	0.04	0.040		
Weighted E =	Ea*Aa + Eb*A	\b + Ec*Ac +	+ Ed*Ad /	(Total Ar	ea)											
Volume = Wei	ghted D * Tota	al Area									First flush rec	quirement		137	cubic feet	
Flow = Qa * Aa	a + Qb * Ab +	Qc * Ac + C	Qd * Ad													
Where for 100	-year, 6-hour Ea:	storm(zone2 = 0.62	2)	Qa= 1.	71											
	Eb Ec Ed	= 0.73 = 0.95 = 2.24		Qb= 2. Qc= 3. Qd= 4	36 05 34											
Developed Co	nditons	2.27		QU T.	T	OTAL VC	LUME									
	HISTORICA	L DISCHAR	RGE			553	CF									
	PROPOSED		ION		6	HOUR 1307 2117	CF	10 DAY 2002 2117	CF		\bigcirc 49	74.28)			
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The surround	ding are is fla	at, existing	walls and	do not	allow	offsite flo	ows ente	er the site	e. The p	ad is prop	bosed to be 1	' higher th	an the max	ximum water surf	face elevation	
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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.

