# CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Interim Director



Mayor Timothy M. Keller

June 3, 2024

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

RE: 208 General Hodges St. NE Grading and Drainage Plan Engineer's Stamp Date: 05/16/24 Hydrology File: K20D066

Dear Mr. Soule:

## PO Box 1293 Based upon the information provided in your submittal received 04/29/24, the Grading and Drainage Plan is approved for Building Permit.

Albuquerque Once the grading is complete, a pad certification will be required prior to release of Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter and the pad certification approval letter.

### NM 87103 Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

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

www.cabq.gov

Sincerely,

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

#### Weighted E Method GENERAL HODGES

Existing Developed Basins														
											100-Year, 6-h	r.		10-day
Basin	Area	Area	Treatment	А	Treatme	nt B	Treatme	nt C	Treatme	nt D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
EXISTING	7519	0.173	0%	0	70.0%	0.121	30.0%	0.05178	0%	0.000	0.929	0.013	0.47	0.013
PROPOSED	7519	0.173	0%	0	30.0%	0.052	36.0%	0.06214	34%	0.059	1.528	0.022	0.59	0.028
Equations:														
Weighted E = Ea*Aa + Eb*A	b + Ec*Ac + E	Ed*Ad / (Tota	l Area)											
Volume = Weighted D * Tota	l Area													
Flow = Qa * Aa + Qb * Ab +	Qc * Ac + Qd	* Ad												
Where for 100-year, 6-hour s	storm (zone 3	)												
	È Ea=	.67		Qa=	1.84									
	Eb=	= 0.86		Qb=	2.49									
	Ec=	= 1.09		Qc=	3.17									
	Ed=	= 2.58		Qd=	4.49									
DISCHARGE PROPOSED				0.59	CFS		1241	CF						
EXISTING DISCHARGE				0.47	CFS		582	CF						

DIFFERENCE FLOW RETAINED

Narrative

This project is a redevelopment of and existing residential lot. Thesite is part of a fully developed subdivision. The site has been developed in the past. A building isshown on the 2012 CA All the existing lots free discharge. The proposed development is a singlefamily residential home similar to the original home. The site will free discharge and will harvest rain water for water quality purposes

658 CF

61 CF

0.12 CFS



### **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.





