CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

April 11, 2025

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

RE: 380 Deluvina Pl SW Grading and Drainage Plan Engineer's Stamp Date: 4/7/25 Hydrology File: K12D041 Case # HYDR-2025-00118

Dear Mr. Soule:

PO Box 1293 Based upon the information provided in your submittal received 4/7/2025, the Grading 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.

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

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

NM 87103
Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for \$25.00 made out to "Bernalillo County" for the stormwater quality ponds per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol. Application for Covenant in ABQ-PLAN is also 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, jhughes@cabq.gov, 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

							100-Year, 6-hr.			10-DAY				
Basin	Area	Area	Treat	ment A	Trea	atment B	Treat	ment C	Treat	ment D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
HISTORICAL	8968.00	0.206	100%	0.2059	0%	0.000	0%	0.000	0%	0.000	0.550	0.009	0.32	0.009
PROPOSED	8968.00	0.206	0%	0	30%	0.062	38%	0.078	32%	0.066	1.297	0.022	0.36	0.032

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

Volume = Weighted D * Total Area

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

Where for 100-year, 6-hour storm(zone2)	
Ea= 0.55	Qa= 1.54
Eb= 0.73	Qb= 2.16
Ec= 0.95	Qc= 2.87

Ed= 2.24 Developed Conditons

FLAT GRADING SCHEME		
	PEAK FLOW	TOTAL FLOW
EXISITING	0.32 CFS	411 CF
PROPOSED	0.36 CFS	1383 CF
PROVIDED	0.00 CFS	1568 CF

Qd= 4.12.

DRAINAGE NARRATIVE

Equations:

THIS SITE IS AN IN FILL DEVELOPMENT. THE SITE IS GOVERNED BY THE VALLEY GRADING CRITERIA. THE DRAINAGE SOLUTION REQUIRES RETENTION OF THE 100-YEAR, 10-DAY VOLUME. THE PROPOSED DEVELOPMENT DEMOLISHED AND REMOVED THE EXISTING HOME. THE SITE WILL RETAIN THE FLOW WITHIN THE DEPRESSED YARD. THE PAD IS 1' ABOVE THE 100-YEAR 10-DAY WATER SURFACE. THE EMERGENCY OVERFLOW IS TO THE RIGHT OF WAY TO THE WEST 204



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.







FIRM MAP:

LEGAL DESCRIPTION: LOT 9 H. C. GONZALEZ ATRISCO SUBDIVISION SANDOVAL COUNTY, NEW MEXICO

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.

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

4. SURVEY INFORMATION PROVIDED BY DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1988.

5. LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED

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

LEGEND

XXXX	EXISTING CONTOUR
XXXX	EXISTING INDEX CONTOUR
	PROPOSED CONTOUR
	PROPOSED INDEX CONTOUR
× XXXX	EXISTING SPOT ELEVATION
● ^{XXXX}	PROPOSED SPOT ELEVATION
	BOUNDARY
	ADJACENT BOUNDARY
=============	EXISTING CURB AND GUTTER
——————————————————————————————————————	PROPOSED EARTHEN SWALE
	PROPOSED CONCRETE



ENGINEER'S SEAL	DRAWN ^{BY} DEM		
AVID SOU	SOU DELUVINA FLACE SW	DATE 4-5-25	
REGISTER	GRADING AND DRAINAGE PLAN	380 Deluvina PLdwg	
APOFESSIONAL	Ria Granda	SHEET #	
4/7/25	R R E B B B C C C C C C C C C C C C C	C1	
DAVID SOULE P.F. #14522	ALBUQUERQUE, NM 87199 (505) 321-9099	JOB #	
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