CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

September 23, 2022

Fred C. Arfman, P.E. Isaacson & Arfman, P.A. 128 Monroe St. N.E Albuquerque, NM 87108

RE: 1330 Avenida Cristo Rey NW Grading and Drainage Plan Engineer's Stamp Date: 09/01/22 Hydrology File: F13D031

Dear Mr. Arfman:

PO Box 1293 Based upon the information provided in your submittal received 09/12/2022, the Grading & Drainage Plan is approved for Grading Permit (earthwork can get started for the earth pad on the house).

Albuquerque

PRIOR TO BUILDING PERMIT:

Albuquerque

NM 87103

1. Once the grading is complete, a pad certification (meaning that the earthwork is complete) will be required. Please include a site photo with the submittal. Also, at the time of pad certification approval, Hydrology will concurrently approve the Grading &

www.cabq.gov

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

Sincerely,

Renée C. Brissette

Drainage Plan for Building Permit.

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 11/2018)

Project Title: Finch Residence	Building Permit #:		Hydrology File #: <u>H13</u>	
DRB#:	EPC#:	Wor	k Order#:	
Legal Description: Tract 209A1, MRGC	CD Map 31			
City Address: <u>1330 Avenida Cristo Rey</u>	NW - Albuquerque,	NM 87107		
Applicant: Isaacson & Arfman, Inc.		Contac	Fred C. Arfman ct: Bryan J. Bobrick	
Address: 128 Monroe Street NE - All	ouquerque, NM 871	08		
Phone#: (505) 268-8828	Fax#:	E-mai	: freda@iacivil.com	
Owner:		Contac	bryanb@iacivil.com	
Address:				
Phone#:	Fax#:	E-mai	:	
IS THIS A RESUBMITTAL?: DEPARTMENT: TRAFFIC/ TRANSP	<u>Yes X</u> No	DROLOGY/ DRAINAGE		
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICAT PAD CERTIFICATION CONCEPTUAL G & D PLAN X GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT FLOODPLAIN DEVELOPMENT PERMINELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (T TRAFFIC IMPACT STUDY (TIS) OTHER (SPECIFY) PRE-DESIGN MEETING?	ION	TYPE OF APPROVAL/ACC X BUILDING PERMIT AF CERTIFICATE OF OCC PRELIMINARY PLAT SITE PLAN FOR SUB'I SITE PLAN FOR BLDC FINAL PLAT APPROV SIA/ RELEASE OF FIN FOUNDATION PERMIT GRADING PERMIT AF SO-19 APPROVAL PAVING PERMIT APP GRADING/ PAD CERT WORK ORDER APPROV CLOMR/LOMR FLOODPLAIN DEVELO	CEPTANCE SOUGHT: PROVAL PROVAL CUPANCY APPROVAL D APPROVAL C APPROVAL ANCIAL GUARANTEE T APPROVAL PROVAL PROVAL IFICATION AL	
	-	FLOODPLAIN DEVELO	OPMENT PERMIT	

DATE SUBMITTED: September 1, 2022 By: Fred C. Arfman

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID:



	CALC	CULATIONS	2403 Fin	ch Reside	er
Based o	n City	of <mark>Al</mark> buquerqu	e DMP, Arti	cle 6-2 Hy	d
		100-YEA	R, 6-HOUR	CALCUI	
AREA OF SITE:			17685.36	SF	
		100-	year, 6-hour		
		DEV	ELOPED	FLOWS:	
] F
			Area A	4 =	F
			Areal	B =	L
			Area	C =	
			Area I) =	L
			Total Are	a =	
On-Site Weighted Excess Pre	ecipitat	on (100-Year	6-Hour Stor	m)	
Weighted Excess Freeplation (100			$A + E_BA_B +$	$E_cA_c + E_c$	D
			$A_{\Lambda} + A_{P}$	$-A_{\rm C} + A_{\rm D}$	<u> </u>
		Deve	eloned E	=	
			lopea L		
On-Site Volume of Runoff: V	/360 =	E*A	/ 12		
		Deve	eloped V ₃₆₀	=	
On-Site Peak Discharge Rate: $Qp = Q_{pA}A_{A}$ For Precipitation Zone 2 $Q_{pA} = 1.71$ $Q_{pB} = 2.36$			$B + Q_{pC}A_{C} + Q_{p}$ Q_{p} Q_{p}	$Q_{pD}A_D / 43$ $c = \frac{1}{D} = \frac{1}{D}$	2
		Deve	eloped Q _p	=	
100-year 10-day Stor	m Volu	me			
	1				
V ₃₆₀ (from previous calculation)		1671			
Area Treatment D (SF)		3537			
Zone		2		C (Г
				Contour	L
For 100-year 10 Day Storms:				4973.7	-
$V_{10 day} = V_{360} + (AD * (P_{10 day}))$	- P360)/	12" per foot)		4973.0	
V360	=	1671		POND VO	
Ad (SF)	=	3537			
Zone	=	2			
P10day	=	3.62			_

Contour Area 4974.0 4973.0 30

Total Volume (V10 day)

P360

V360

=

=

+ imp. area =

2 29

167

