## CITY OF ALBUQUERQUE

*Planning Department* Brennon Williams, Director



Mayor Timothy M. Keller

May 27, 2021

Rudolph R. Archuleta, P.E. M-Art Building Co., LLC P.O. Box 105 Tome, NM 87060

## RE: 213 Wells Dr. NE Grading & Drainage Plan Engineer's Stamp Date: 05/14/21 Hydrology File: L23D036

Dear Mr. Archuleta:

Based upon the information provided in your resubmittal received 05/19/2021, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this site appears to be relatively flat, a pad certification is not needed for this project.

Albuquerque 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 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 924-3995 or <u>rbrissette@cabq.gov</u>.

NM 87103

Sincerely,

www.cabq.gov

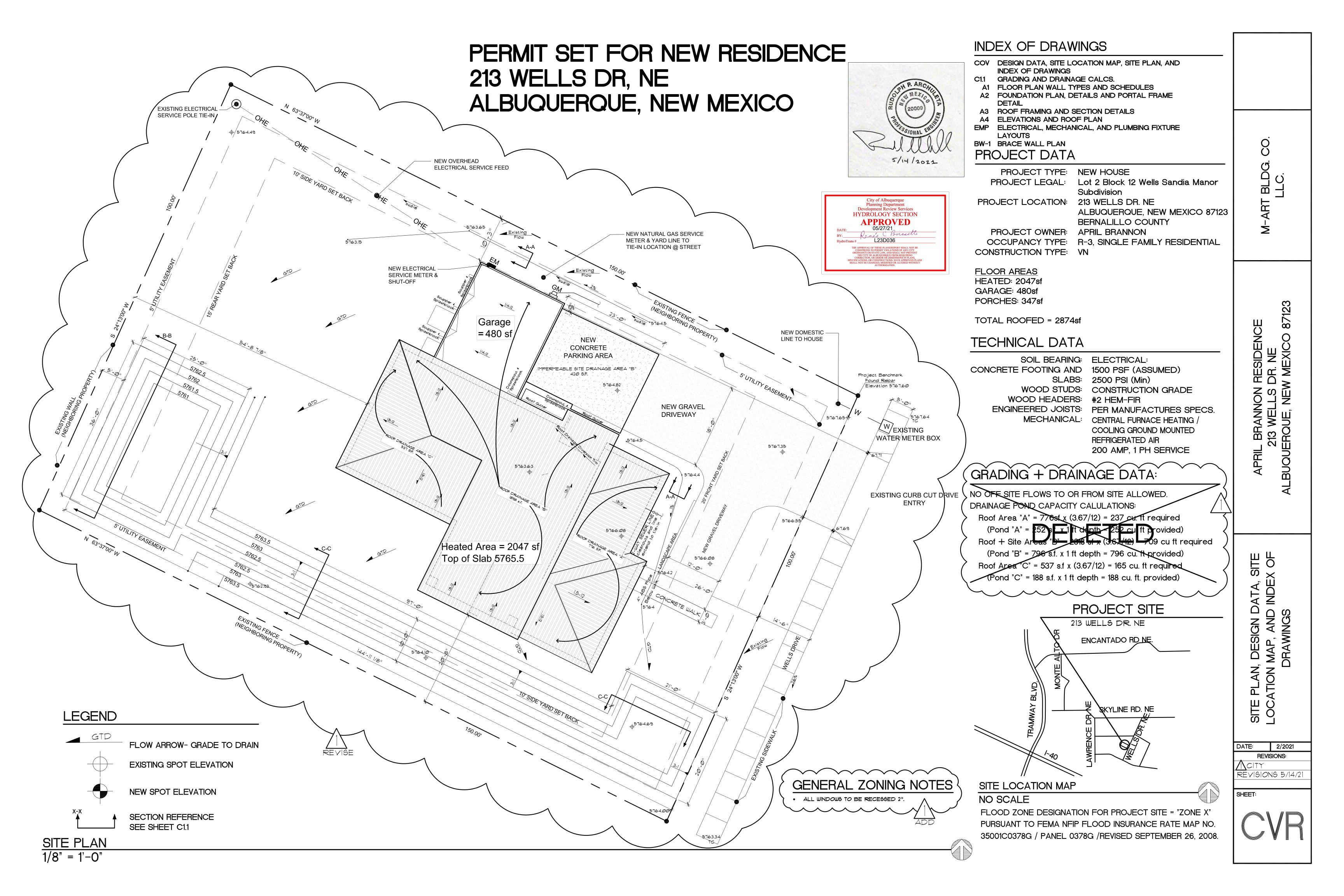
Renée C. Brissette

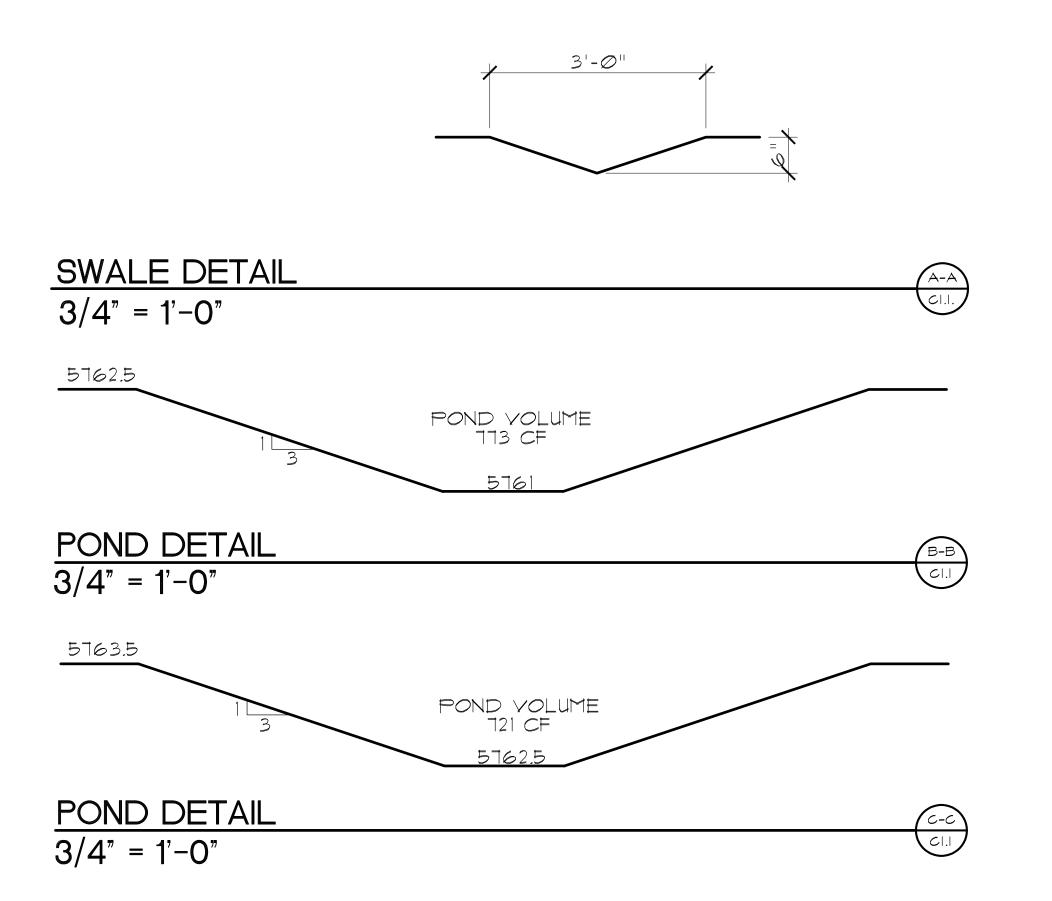
Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology Planning Department

Developm	Planning Dep nent & Building	Deartment g Services Division ATION INFORMATION SHEET (REV 6/2018)
		it #: <b>DL2021-09292</b> Hydrology File #:
DRB#:	EPC#:	Work Order#:
	ells Sandia Ma	V.of
City Address: 213 Wells Dr. NE		
Applicant: $M - \Delta r + B_{U}$	1 di (.	E-mail: Tariveral Obegnail.com
Address: $1.0.000 \text{ reme}$	Eav#:	E mail taring all 5 a canil can
Phone#: 305-307-0340	Fax#:	E-mail: Intraction beging in.com
Other Contact: $M - \Lambda F + 5 A G$	•, ( ( (	Contact: Martin Romer.
Address:	/	
Phone#: 505-610-4778	Fax#:	E-mail:
		, _ RESIDENCE DRB SITE ADMIN SITE
IS THIS A RESUBMITTAL? Yes	_× <sub>№</sub>	
DEPARTMENT TRANSPORTATION		OLOGY/DRAINAGE
Check all that Apply:		TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
TYPE OF SUBMITTAL:		BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY
ENGINEER/ARCHITECT CERTIFICATIO	N	
PAD CERTIFICATION		PRELIMINARY PLAT APPROVAL
CONCEPTUAL G & D PLAN		SITE PLAN FOR SUB'D APPROVAL
GRADING PLAN DRAINAGE REPORT		SITE PLAN FOR BLDG. PERMIT APPROVAL
DRAINAGE MASTER PLAN		FINAL PLAT APPROVAL
FLOODPLAIN DEVELOPMENT PERMIT	APPLIC	
ELEVATION CERTIFICATE		SIA/ RELEASE OF FINANCIAL GUARANTEE
CLOMR/LOMR		FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCI	L)	SO-19 APPROVAL
TRAFFIC IMPACT STUDY (TIS)		PAVING PERMIT APPROVAL
STREET LIGHT LAYOUT		GRADING/ PAD CERTIFICATION
OTHER (SPECIFY)		WORK ORDER APPROVAL
PRE-DESIGN MEETING?		CLOMR/LOMR
, /		FLOODPLAIN DEVELOPMENT PERMIT
xhila	١٨	OTHER (SPECIFY)
DATE SUBMITTED: 4/4/2/21	,,,,,,,,	1M-

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID:\_\_\_\_\_





## Mr. Tony Rivera 213 Wells Drive NE, Albuquerque NM 17-Mar-21

Reference: Development Process Manual, Section 6-2(A), Procedure for 40-Acre and Smaller Basins Applicable Bernalillo County Precipitation Zone: 4

P <sub>60</sub>	P <sub>360</sub>	P <sub>1440</sub>	P <sub>4days</sub>	P <sub>10days</sub>
1.96	2.64	3.6	4.75	6.27
ak Disaha		[afa/a ana]a		
	Irge100Year/6He	<sub>ar</sub> [cfs/acre]:		
		<sub>ar</sub> [cfs/acre]: C	D	

			[in]	E [in]	[acre-ft]	[acre-ft]	Volume <sub>10day</sub> [acre-ft]	Q100Year/6Hour [cfs]	Rational Method, C	Method, Q [cfs]
	0.0000	0.00%	0.76		0.0000			0.0000	0.39	0.0000
	0.0000	0.00%	0.95		0.0000		-	0.0000	0.51	0.0000
	0.0000	0.00%	1.20		0.0000		-	0.0000	0.64	0.0000
	0.0178	100.00%	3.34		0.0050		-	0.0852	0.90	0.0851
00	0.0178	100.00%		3.3400	0.0050	0.0064	0.0103	0.0852	-	0.0851
	00	0.0000 0.0178	0.0000 0.00% 0.0178 100.00%	0.0000 0.00% 1.20 0.0178 100.00% 3.34	0.0000 0.00% 1.20 0.0178 100.00% 3.34	0.0000         0.00%         1.20          0.0000           0.0178         100.00%         3.34          0.0050	0.0000         0.00%         1.20          0.0000            0.0178         100.00%         3.34          0.0050	0.0000         0.00%         1.20          0.0000             0.0178         100.00%         3.34          0.0050	0.0000         0.00%         1.20          0.0000           0.0000           0.0178         100.00%         3.34          0.0050           0.0852	0.0000         0.00%         1.20          0.0000           0.0000         0.64           0.0178         100.00%         3.34          0.0050           0.0852         0.90

check: 0.0050 Volume<sub>360</sub> [CF] = 215.99

Proposed Conditions: Roof Area B and Concrete Parking Area

Land Treatment	Area [ft <sup>2</sup> ]	Area [acre]	% of Total Area	Excess Prec. <sub>100-6</sub> [in]	Weighted E [in]	Volume <sub>360</sub> [acre-ft]	Volume <sub>1440</sub> [acre-ft]	Volume <sub>10day</sub> [acre-ft]	Q100Year/6Hour [cfs]	Rational Method, C	Rational Method, Q [cfs]
Α		0.0000	0.00%	0.76		0.0000			0.0000	0.39	0.0000
В		0.0000	0.00%	0.95		0.0000		-	0.0000	0.51	0.0000
С	3	0.0000	0.00%	1.20		0.0000		-	0.0000	0.64	0.0000
D		0.0532	100.00%	3.34		0.0148	-	-	0.2544	0.90	0.2543
Totals	0.0000	0.0532	100.00%		3.3400	0.0148	0.0191	0.0309	0.2544		0.2543
					check:	0.0148					( )

Volume<sub>360</sub> [CF] = 645.18

Land Treatment	Area [ft <sup>2</sup> ]	Area [acre]	% of Total Area	Excess Prec. <sub>100-6</sub> [in]	Weighted E [in]	Volume <sub>360</sub> [acre-ft]	Volume <sub>1449</sub> [acre-ft]	Volume <sub>10day</sub> [acre-ft]	Q100Year/6Hour [cfs]	Rational Method, C	Rational Method, Q [cfs]
A		0.0000	0.00%	0.76		0.0000		-	0.0000	0.39	0.0000
В	ż.	0.0000	0.00%	0.95		0.0000	-	-	0.0000	0.51	0.0000
С	(	0.0000	0.00%	1.20		0.0000		-	0.0000	0.64	0.0000
D		0.0123	100.00%	3.34		0.0034	-	-	0.0589	0.90	0.0589
Totals	0.0000	0.0123	100.00%		3.3400	0.0034	0.0044	0.0072	0.0589		0.0589
				Volu	check: ne <sub>360</sub> [CF] =	0.0034 149.47					

Proposed Conditions: Remaining Property

Land Treatment	Area [ft <sup>2</sup> ]	Area [acre]	% of Total Area	Excess Prec. <sub>100-6</sub> [in]	Weighted E [in]	Volume <sub>360</sub> [acre-ft]	Volume <sub>1440</sub> [acre-ft]	Volume <sub>10day</sub> [acre-ft]	Q <sub>100Yesr/6Hour</sub> [cfs]	Rational Method, C	Rational Method, Q [cfs]
A		0.0000	0.00%	0.76		0.0000	-	-	0.0000	0.39	0.0000
В	(	0.0000	0.00%	0.95		0.0000		-	0.0000	0.51	0.0000
С	Ş	0.2766	100.00%	1.20		0.0277	-	-	0.9434	0.64	0.9401
D	9	0.0000	0.00%	3.34		0.0000	-	-	0.0000	0.9	0.0000
Totals	0.0000	0.2766	100.00%	1. 16 <u>44</u> - 1	1.2000	0.0277	0.0277	0.0277	0.9434		0.9401
					check:	0.0277					

Volume<sub>360</sub> [CF] = 1205.06

**Total Volume and Flow Entering Pond** 

Volume<sub>360</sub> [CF] = 2215.7

Existing Conditions: Existing conditions

Land Treatment	Area [ft <sup>2</sup> ]	Area [acre]	% of Total Area	Excess Prec. <sub>100-6</sub> [in]	Weighted E [in]	Volume <sub>360</sub> [acre-ft]	Volume <sub>1440</sub> [acre-ft]	Volume <sub>10day</sub> [acre-ft]	Q100Year/6Hour [cfs]	Rational Method, C	Rational Method, Q [cfs]
Α		0.0000	0.00%	0.53		0.0000	· ·		0.0000	0.31	0.0000
В		0.0000	0.00%	0.78		0.0000		-	0.0000	0.45	0.0000
С		0.3600	100.00%	1.13		0.0339		-	1.2276	0.62	1.1852
D		0.0000	0.00%	2.12		0.0000		-	0.0000	0.93	0.0000
Totals	0.0000	0.3600	100.00%		1.1300	0.0339	0.0339	0.0339	1.2276		1.1852
			-9-1- 	Volun	check: ne <sub>360</sub> [CF] =	0.0339 1476.68					

2215.7 -

1476.68 739.00 CF

Increase in runoff volume 1.3 - 1.1852 0.15 CFS Increase in peak discharge

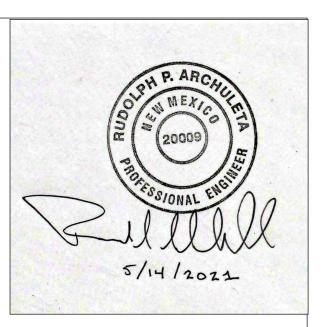
M-Art Bldg Co 213 Wells Drive NE Albuquerque NM

## GRADING AND DRAINAGE CALCS.

for t<sub>e</sub> = .2 hour Zone 4 Peak Intensity [in/hr]: I = 5.31

1.3 CFS

THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTION, OR ERROR OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLAN SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.



	M-ART BLDG. CO. LLC.
	APRIL BRANNON RESIDENCE 213 WELLS DR. NE ALBUQUERQUE, NEW MEXICO 87123
	GRADING AND DRAINAGE CALCS AND DETAILS DATE: 5/2021
- - -	REVISIONS: ACITY REVISIONS NEW SHEET 5/14/21 SHEET:

C4 CI.I