CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



Mayor Timothy M. Keller

April 12, 2021

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

RE: 2818 Campell Rd NW Subdivision Master Drainage Plan Engineer's Stamp Date: 03/31/21 Hydrology File: G12D038

Dear Mr. Arfman:

Based upon the information provided in your submittal received 03/31/2021, the Master Drainage Plan is approved for action by the DRB on Preliminary Plat/Final Plat. PO Box 1293 A Grading & Drainage Plan will be required to be submitted to Hydrology for approval prior to the Building Permit for any of the lots. Also, if any grading of more than 500 cubic feet of Albuquerque earthwork is to be done on the Northern lot or for any work order, than a Grading & Drainage Plan will also be require an approval from Hydrology. The Grading & Drainage Plan must follow this approved Master Drainage Plan. NM 87103 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 www.cabq.gov Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

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

Sincerely,

Renée C. Brissette

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)

	e: 2818 Campbell Road NW Building Permit #:	
DRB#:		
Legal Description: Lot 14, Alvarado Gard	<u>ens Unit 2, Albuquerque, New Mex</u>	<u>xico</u>
City Address: 2818 Campbell Road NW		
Applicant: Isaacson & Arfman, Inc. Address: 128 Monroe Street NE - Albud Phone#: (505) 268-8828 Owner:	querque, NM 87108 _ Fax#:	Bryan J. Bobrick E-mail: <u>freda@iacivil.com</u> bryanb@iacivil.com Contact:
F none#	_1^a \#	
TYPE OF SUBMITTAL: X PLAT (3 # OF	LOTS) RESIDENCE DRB S	SITE ADMIN SITE
IS THIS A RESUBMITTAL?: Y	es X No	
DEPARTMENT: TRAFFIC/ TRANSPOR	TATION X HYDROLOGY/ DRA	INAGE
Check all that Apply: TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN X DRAINAGE MASTER PLAN DRAINAGE REPORT FLOODPLAIN DEVELOPMENT PERMIT A ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) OTHER (SPECIFY) PRE-DESIGN MEETING?	M BUILDING PE N CERTIFICATE PRELIMINAR SITE PLAN F SITE PLAN F SI	E OF OCCUPANCY AY PLAT APPROVAL OR SUB'D APPROVAL OR BLDG. PERMIT APPROVAL APPROVAL E OF FINANCIAL GUARANTEE N PERMIT APPROVAL ERMIT APPROVAL OVAL MIT APPROVAL AD CERTIFICATION A APPROVAL R N DEVELOPMENT PERMIT

DATE SUBMITTED: Mar. 31, 2021 By: Fred C. Arfman

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID:

BASIN NO. NORTH **DESCRIPTION** Add description here 21037 SF Area of basin flows =0.48 Ac. The following calculations are based on Treatment %'s as shown in table to the right LAND TREATMENT Sub-basin Weighted Excess Precipitation: A = 0% Weighted E = 1.51 in. B = 45% C = 10%Sub-basin Volume of Runoff: $V_{360} =$ 2650 CF D = 45% Sub-basin Peak Discharge Rate: Stormwater Quality Volume Qp = 1.6 cfs 205 CF BASIN NO. MIDDLE DESCRIPTION CALCULATIONS PROVIDED AT LEFT REPRESENT Area of basin flows = 10746 SF 0.2 Ac. LAND TREATMENT The following calculations are based on Treatment %'s as shown in table to the right AREA (LAND TREATMENT 'D'). Sub-basin Weighted Excess Precipitation: A = 0% Weighted E = $\mathbf{B} =$ 45% 1.51 in. C = 10%Sub-basin Volume of Runoff: D = 45% V360 = 1354 CF FIRST FLUSH VOL. Sub-basin Peak Discharge Rate: Qp = 0.8 cfs 105 CF BASIN NO. SOUTH DESCRIPTION Area of basin flows = 24623 SF 0.6 Ac. LAND TREATMENT The following calculations are based on Treatment %'s as shown in table to the right Sub-basin Weighted Excess Precipitation: A =0% Weighted E = 1.51 in. $\mathbf{B} =$ 45% Sub-basin Volume of Runoff: C = 10%D = 45% $V_{360} =$ 3101 CF Sub-basin Peak Discharge Rate: FIRST FLUSH VOL. Op = 19 cfs 240 CE BASIN NO. NORTH DESCRIPTION AS-CONSTRUCTED Area of basin flows = 21037 SF 0.5 Ac. LAND TREATMENT The following calculations are based on Treatment %'s as shown in table to the right Sub-basin Weighted Excess Precipitation: A = 0% NORTH LOT Weighted E = B = 50%1.21 in. EXISTING CONDITION C = 27% Sub-basin Volume of Runoff: $V_{360} =$ 2128 CF D = 23% FIRST FLUSH VOL. Sub-basin Peak Discharge Rate: $Q_P =$ 1.4 cfs 105 CF

CONSTRUCTED.						
	Area (SF)	Area (Ac)	45% 'D'	Req'd Retention Vol (CF)		
North	21037	0.4829	9467	3699		
Middle	10746	0.2467	4836	1889		
South	24623	0.5653	11080	4330		

LOT AREA). FINAL POND VOLUMES WILL BE BASED ON IMPERVIOUS AREA (45% OF THE TO CONSTRUCTED.					`
		Area (SF)	Area (Ac)	45% 'D'	Req'd Retention Vol (C
	North	21037	0.4829	9467	3699

4,966.30	2,185.60	0.30
	NORTH	LOT
	AREA	DEPTH
ELEV	(sq. ft.)	(ft)
4,965.50	734.66	N/A
4,966.00	1,130.12	0.50
4,966.30	1,405.07	0.30

V10day = V360 + (AD * (P10day - P360)/12" per foot) REQUIRED POND VOLUME SHOWN IN THE TABLE BELOW IS BASED ON A DEVELOPED PROPERTY WITH MAXIMUM IMPERVIOUS AREA (45% OF THE TOTAL

NORTH LOT POND P1

AREA

(sq. ft.)

1,026.82

4,966.00 1,820.94

ELEV 4,965.00

