

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

November 20, 2019

David Aube, P.E.
Hartman & Majewski Design Group
120 Vassar Dr SE, Suite 100
Albuquerque, NM, 87106

RE: De Anza – Bldgs C & F
4301 Central Ave NE
Permanent C.O. – Accepted
Engineer's Stamp Date: 12/13/17
Engineer's Certification Date: 11/18/19
Hydrology File: K17D106

PO Box 1293

Dear Mr. Aube:

Albuquerque

Based on the Certification received 11/19/19, this certification is approved in support of Permanent Release of Occupancy by Hydrology.

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

NM 87103

Sincerely,

www.cabq.gov

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



THE HARTMAN + MAJEWSKI
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Planners • Urban Designers • LEED®
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CONSULTANT

Broad Crested Weir Calculation
 $Q=Cwb \cdot b \cdot (g)^{1/2} \cdot ((2/3)^{1.5}) \cdot (H^{3/2})$

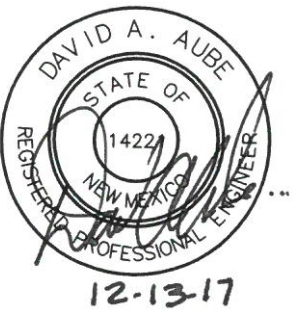
	Pond A	Pond B	Pond C
Flow Rater (Q, cfs)=	8.5	2.61	1.87
Height of Water Over Weir (H)	0.5	0.5	0.5
Height of Water Block (Pw)	1.5	1.5	1.5
Weir Block			
Coefficient (Cwb)=	0.56	0.56	0.56
Width (b,ft)=	6	2	2
Height of Weir (H, ft)=	0.54	0.50	0.36

Sidewalk Culvert Calculation

$Q=k/n \cdot A \cdot R^{2/3} \cdot S^{1/2}$

Depth of Curb (ft)	0.5
Width of Culvert (ft)	2
Conversion	
Coefficient (k)=	1.486
Manning's Roughness Coefficient (n)=	0.013
Cross Sectional Area of Fluid Flow (A)=	1
Wetted Perimeter (P)=	3
Hydraulic Radius (R)=	0.33
Slope (S)=	0.01
Max Flow Rate (Q)=	5.50
Number of Culverts (#c)	3.00
Max with # of Culverts	16.49

STAMP



100% CONSTRUCTION DOCUMENT SUBMITTAL

PROJECT NAME

DE ANZA MOTOR LODGE

4301 CENTRAL AVENUE NE
ALBUQUERQUE, NM 87108

REVISIONS

NO.	DATE	DESCRIPTION

Copyright: Design Group

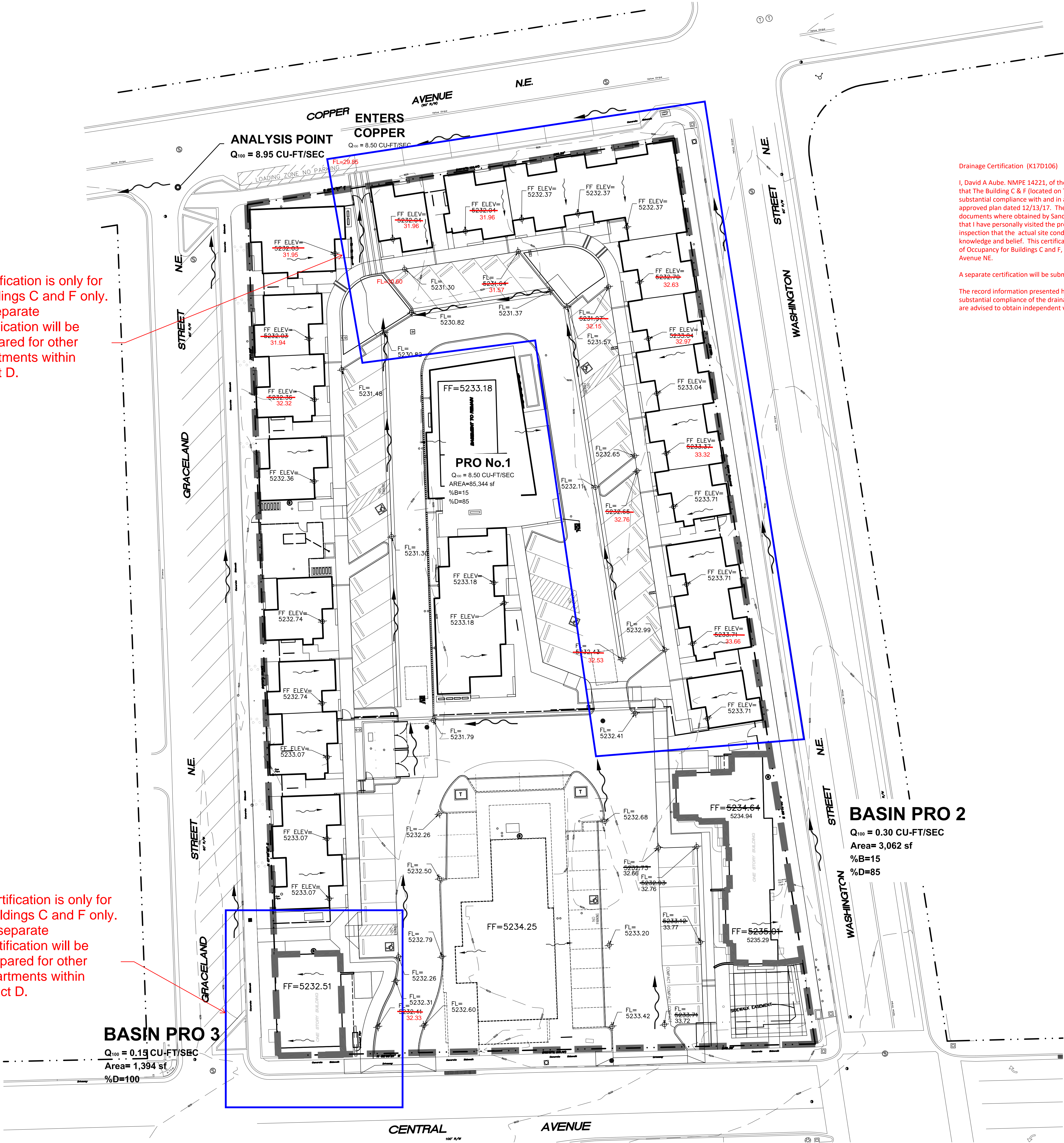
Drawn by	DAA
Checked by	DAA
Date	OCTOBER 25, 2017
Project number	2500

SHEET TITLE

GRADING AND DRAINAGE PLAN

SHEET NUMBER

CD2



Drainage Certification (K17D106)

I, David A Aube, NMPE 14221, of the firm The Hartman + Majewski Design Group, Inc. hereby certify that The Building C & F (located on Tract D) of the De Anza project (4301 Central Avenue NE) is in substantial compliance with and in accordance with the design intent of the Grading and Drainage plan approved plan dated 12/13/17. The record information that has been edited onto the original design documents where obtained by Sandia Land Surveying LLC (Andrew Medina NM PS #). I further certify that I have personally visited the project site on November 18, 2019 and have determined by visual inspection that the actual site conditions shown on this plan to be true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy for Buildings C and F, Located on Tract D of the De Anza Project located at 4301 Central Avenue NE.

A separate certification will be submitted for the remaining apartment buildings on site.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the drainage aspects of this project. Those relying on the record documents are advised to obtain independent verification of its accuracy before using it for any other purpose.



Certification is only for Buildings C and F only. A separate certification will be prepared for other apartments within Tract D.

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BASIN PRO 3
Q₁₀₀ = 0.15 CU-FT/SEC
Area= 1,394 sf
%D=100

BASIN PRO 2
Q₁₀₀ = 0.30 CU-FT/SEC
Area= 3,062 sf
%B=15
%D=85

A1 GRADING AND DRAINAGE PLAN
SCALE: 1" = 20'-0"

