

# CITY OF ALBUQUERQUE



May 16, 2019

David Aube  
The design group  
120 Vassar Drive SE  
Albuquerque, NM

**Re: De Anza**  
**4307 Central Ave NE**  
**Request for Certificate of Occupancy**  
**Transportation Development Final Inspection**  
Engineer's/Architect's Stamp dated 12-25-2017 (K17D106)  
Certification dated 05-14-2019

Dear Mr.Aube,

Based upon the information provided in your submittal received 05-14-19, Transportation Development has no objection to the issuance of a Permanent Certificate of Occupancy. This letter serves as a "green tag" from Transportation Development for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

If you have any questions, please contact me at (505) 924-3675.

Sincerely,

Mojgan Maadandar, E.I.  
Associate Engineer, Planning Dept.  
Development Review Services

\MM via: email  
C: CO Clerk, File

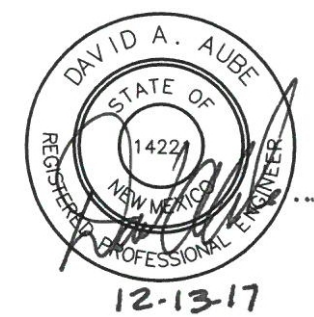




THE HARTMAN + MAJEWSKI  
**DESIGN GROUP**  
Architects • Engineers • Interior Design  
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CONSULTANT

STAMP



100% CONSTRUCTION  
DOCUMENT SUBMITTAL

PROJECT NAME

DE ANZA MOTOR LODGE

4301 CENTRAL AVENUE NE  
ALBUQUERQUE, NM 87108

#### 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 Rate (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

Drainage Certification (K17D106)

I, David A Aube, NMPE 14221, of the firm The Hartman + Majewski Design Group, Inc, hereby certify that The Building A (located on Tract A) 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 Cartesian Surveys (Brian Martinez NM PS # 18374). I further certify that I have personally visited the project site on May 8, 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 Building A, located on Tract A of the De Anza Project located at 800 4301 Central Avenue NE.

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.



#### SURVEYOR'S CERTIFICATION

I, BRIAN J. MARTINEZ, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS, INC. IS NOT RESPONSIBLE FOR ANY OF THE DESIGN, CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

BRIAN J. MARTINEZ, NMPS 18374

B. J. M. 5/10/19



#### REVISIONS

NO.	DATE	DESCRIPTION

Copyright: Design Group

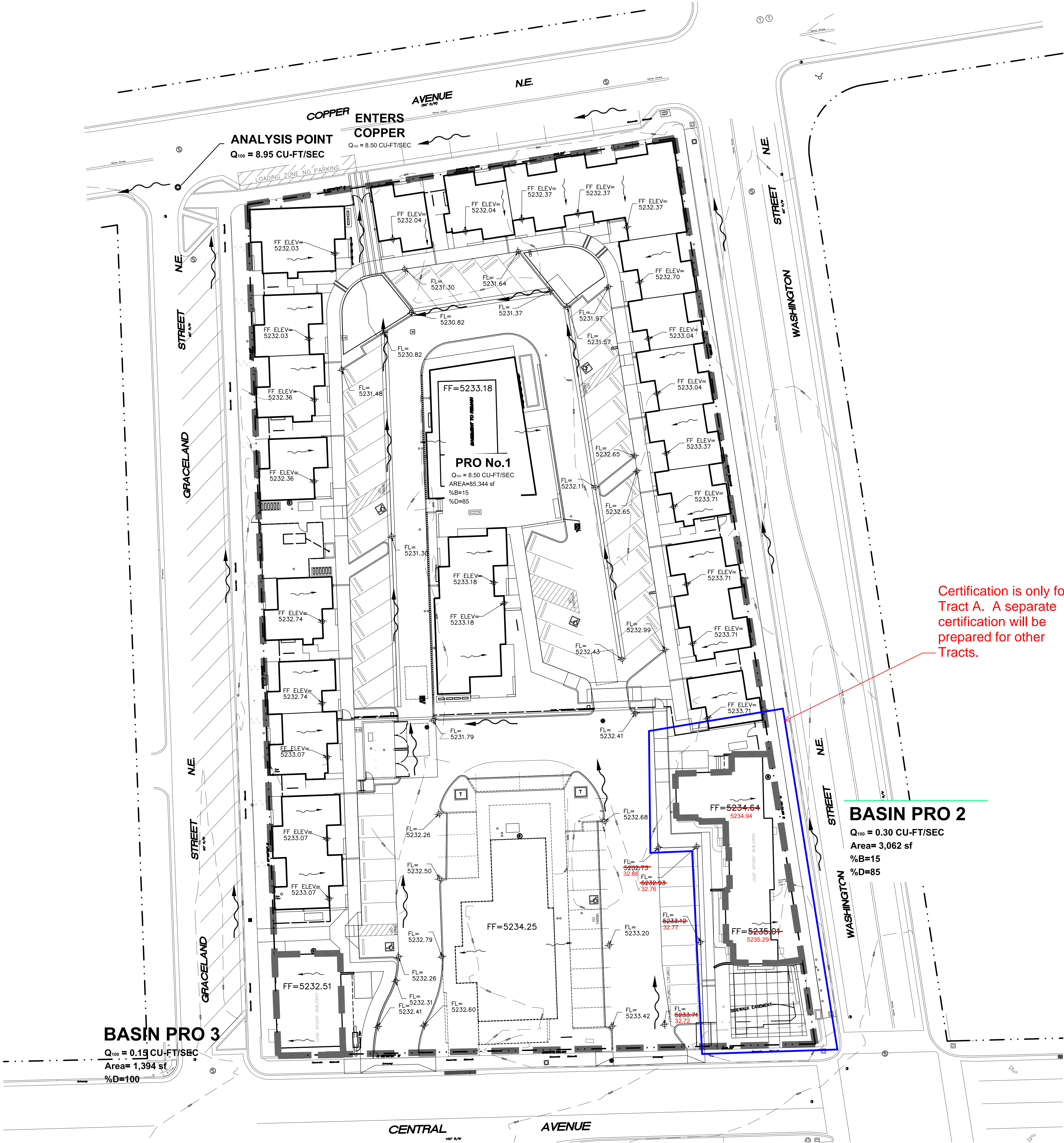
Drawn by	DAA
Checked by	DAA
Date	OCTOBER 25, 2017
Project number	2500

#### SHEET TITLE

GRADING AND  
DRAINAGE  
PLAN

#### SHEET NUMBER

CD2



Certification is only for  
Tract A. A separate  
certification will be  
prepared for other  
Tracts.

#### BASIN PRO 2

Q<sub>100</sub> = 0.30 CU-FT/SEC

Area= 3,062 sf

%B=15

%D=85

#### BASIN PRO 3

Q<sub>100</sub> = 0.19 CU-FT/SEC

Area= 1,394 sf

%D=100

#### GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'-0"

