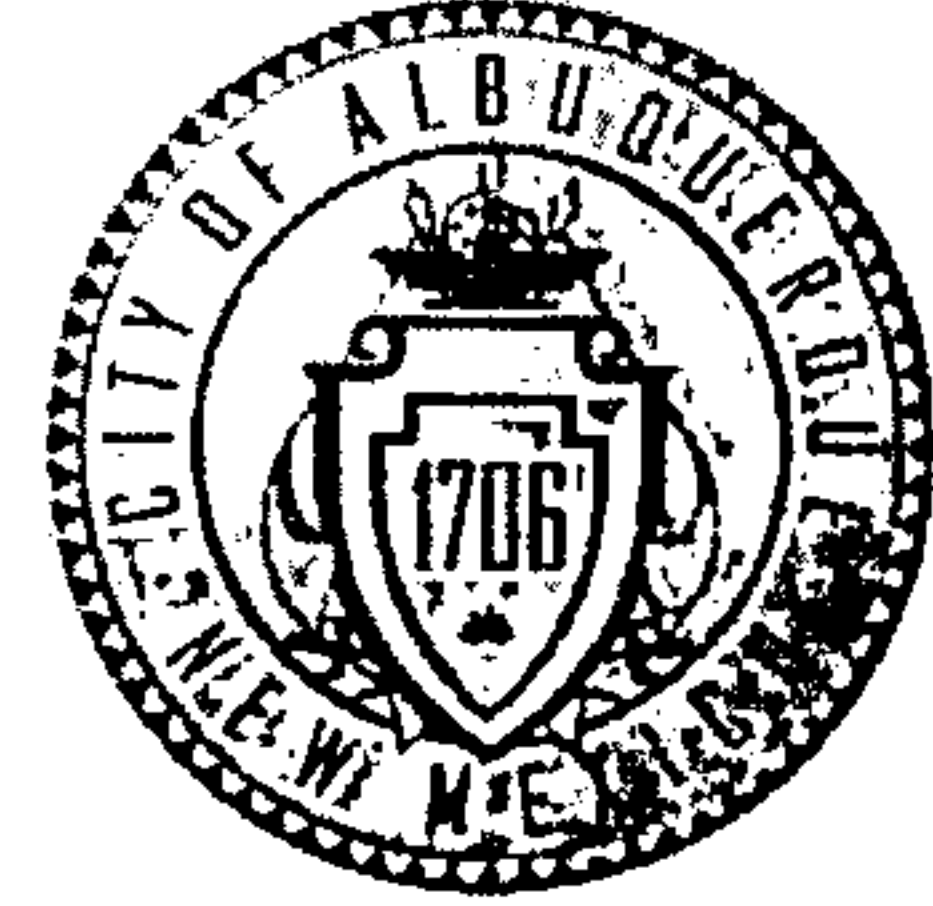


# CITY OF ALBUQUERQUE



May 18, 2012

Jean J. Bordenave, P.E.  
**Bordenave Designs**  
P.O. Box 91194  
Albuquerque, NM 87199

jakebordenave@comcast.net

**Re: New Mexico State Engineer Building, 5550 San Antonio NE,  
Request for Permanent C.O. –Approved  
Engineer's Stamp dated: 04-13-09, (E18/D057B)  
Certification dated: 05-17-12**

Dear Mr. Bordenave,

Based upon the information provided in the Certification received 05-17-12, the above referenced Certification is approved for a release of a Permanent Certificate of Occupancy by Hydrology.

PO Box 1293

Hydrology is asking for an electronic copy, in .pdf format, of this certification for our records. This certification can be e-mailed to me at: [tsims@cabq.gov](mailto:tsims@cabq.gov).

Albuquerque

If you have any questions, you can contact me at 924-3982.

NM 87103

Sincerely,

Timothy E. Sims,  
Plan Checker—Hydrology Section  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: CO Clerk—Katrina Sigala  
File

## Sims, Timothy E.

---

**From:** Lopez, Anthony C.  
**Sent:** Monday, April 30, 2012 8:29 AM  
**To:** Sims, Timothy E.; 'Jake Bordenave'  
**Cc:** Rael, Jane E.

**Subject:** RE: E18/D057B and WO 735184 State Engineer's Office on San Antonio

The final letter of acceptance is being worked on and the agreement is being finalized by Jane Rael and Richard Dourte.

---

**From:** Sims, Timothy E.  
**Sent:** Friday, April 27, 2012 8:48 AM  
**To:** 'Jake Bordenave'; Lopez, Anthony C.  
**Subject:** RE: E18/D057B and WO 735184 State Engineer's Office on San Antonio

Jake:

Thanks for the Water Authority Letter. Still awaiting a letter from Anthony for our files.

Anthony,

Can you forward me this letter?

Thanks,

Timothy Sims  
Plan Checker--Hydrology  
Planning Department  
Development & Building Services Division  
600 2nd St. NW, Suite 201  
Albuquerque, NM 87102  
t 505-924-3982  
f 505-924-3864

---

**From:** Jake Bordenave [mailto:jakebordenave@comcast.net]  
**Sent:** Thursday, April 26, 2012 3:47 PM  
**To:** Sims, Timothy E.  
**Subject:** E18/D057B and WO 735184 State Engineer's Office on San Antonio

Tim,

What is the status of this Drainage Certification and notification to DRC personnel?

Jake  
Bordenave Designs  
P.O. Box 91194  
Albuquerque, NM 87199  
Area code 505 Ph. 823-1344  
Fax 821-9105, Cell 480-6812  
jakebordenave@comcast.net

4/30/2012

# CITY OF ALBUQUERQUE



November 13, 2009

Jean J. Bordenave, P.E.  
**Bordenave Designs**  
P.O. Box 91194  
Albuquerque, NM 87109

**Re: State Engineer's Office, 5550 San Antonio Blvd NE**  
**90 Day Temporary Certificate of Occupancy - Approved**  
**Engineer's Stamp dated 4/13/09 (E18/D057B)**  
**Certification dated 11-12-09**

Based upon the information provided in the Certification received 11-13-09, the site is approved for release of 90-Day Temporary Certificate of Occupancy by Hydrology.

PO Box 1293

The Work Order must be complete and accepted for release of Permanent CO by Hydrology.

Albuquerque

If you have any questions, you can contact me at 924-3695.

Sincerely,

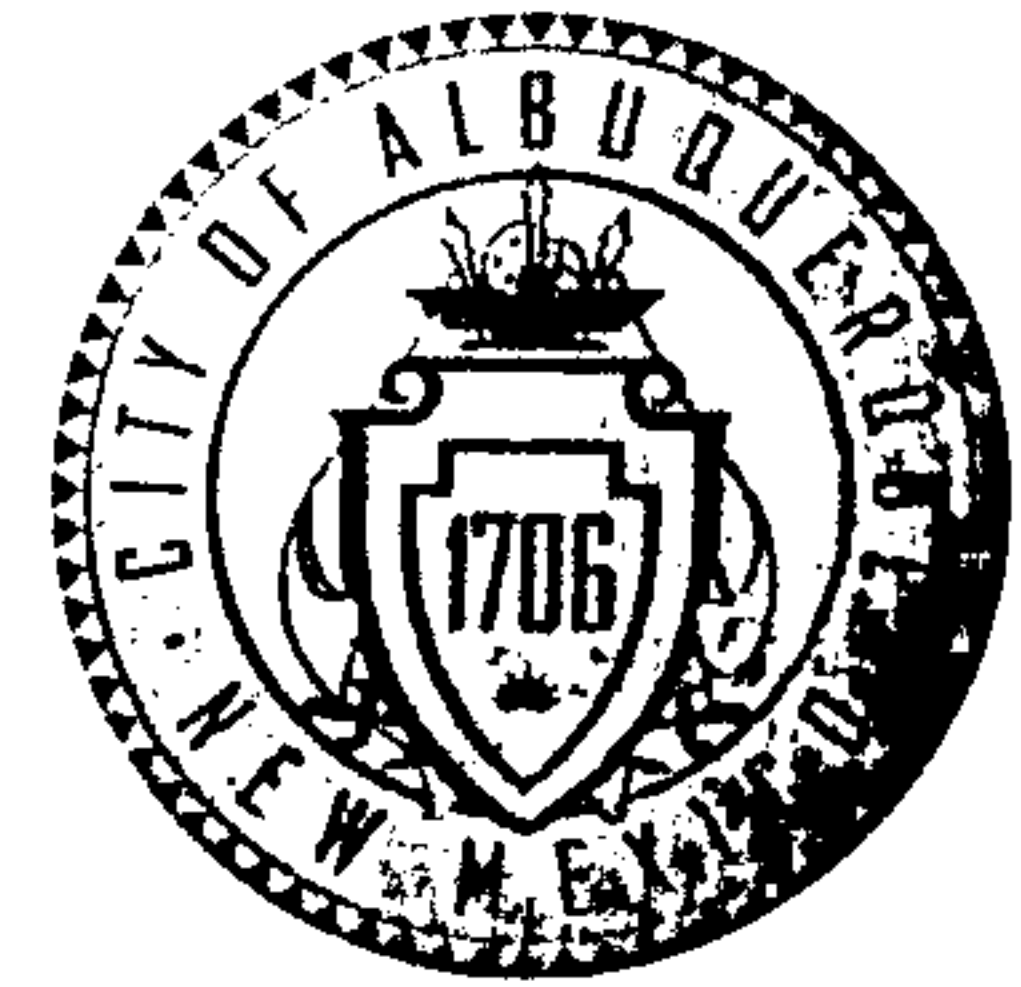
NM 87103

Curtis A. Cherne, P.E.  
Senior Engineer  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: CO Clerk  
File

# CITY OF ALBUQUERQUE



April 20, 2009

Jean J. Bordenave, P.E.  
Bordenave Designs  
P.O. Box 91194  
Albuquerque, NM 87109

**Re: New Mexico Office of the State Engineer Grading and Drainage Plan  
Engineer's Stamp dated 4-13-09 (E18/D057B)**

Dear Mr. Bordenave,

Based upon the information provided in your submittal received 4-13-09, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

PO Box 1293

Prior to Temporary or Permanent Certificate of Occupancy release:

- Engineer Certification per the DPM checklist will be required.
- The Work Order associated with the channel must be complete and accepted.

Albuquerque

If you have any questions, you can contact me at 924-3695.

NM 87103

Sincerely,

Curtis A. Cherne, P.E.  
Senior Engineer, Planning Dept.  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: file

# CITY OF ALBUQUERQUE



June 26, 2008

Jean J. Bordenave, P.E.  
Bordenave Designs  
PO Box 91194  
Albuquerque, NM 87199

**Re: New Mexico Office of the State Engineer,  
Lot 2 JJ Subdivison - San Antonio Drive, Conceptual Grading & Drainage  
Engineer's Stamp dated 06-20-08 (E-18/D057B)**

Dear Mr. Bordenave,

P.O. Box 1293

Based upon the information provided in your re-submittal received 06-24-08,  
the above referenced plan is approved for Foundation Permit.

If you have any questions, you can contact me at 924-3630.

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

Sincerely,

Nilo E. Salgado-Fernandez, P.E.  
Senior Engineer, Planning Dept.  
Development and Building Services

C: File

# BASIN 'A' SWALE (WEST END)

## Worksheet for Irregular Channel

Project Description	
Worksheet	Irregular Channel
Flow Element	Irregular Channel
Method	Manning's Formula
Solve For	Channel Depth

Input Data	
Slope	0.020000 ft/ft
Discharge	9.01 cfs

Options	
Current Roughness Method	Improved Lotter's Method
Open Channel Weighting	Improved Lotter's Method
Closed Channel Weighting	Horton's Method

Results	
Manning's Coefficient	0.018
Water Surface Elev	16.08 ft
Elevation Range	15.75 to 17.00
Flow Area	2.2 ft <sup>2</sup>
Wetted Perimeter	10.26 ft
Top Width	10.23 ft
Actual Depth	0.33 ft
Critical Elevation	16.16 ft
Critical Slope	0.007445 ft/ft
Velocity	4.15 ft/s
Velocity Head	0.27 ft
Specific Energy	16.35 ft
Froude Number	1.59
Flow Type	Supercritical

Roughness Segments		
Start Station	End Station	Manning's Coefficient
0+00	0+23	0.018

Natural Channel Points	
Station (ft)	Elevation (ft)
0+00	16.25
0+05	15.75
0+08	15.75
0+23	17.00



# BASIN 'B' ASPHALT SWALE

## Worksheet for Irregular Channel

Project Description	
Worksheet	Irregular Channel
Flow Element	Irregular Channel
Method	Manning's Formu
Solve For	Channel Depth

Input Data	
Slope	007200 ft/ft
Discharge	15.28 cfs

Options	
Current Roughness Method	ved Lotter's Method
Open Channel Weighting	ved Lotter's Method
Closed Channel Weighting	Horton's Method

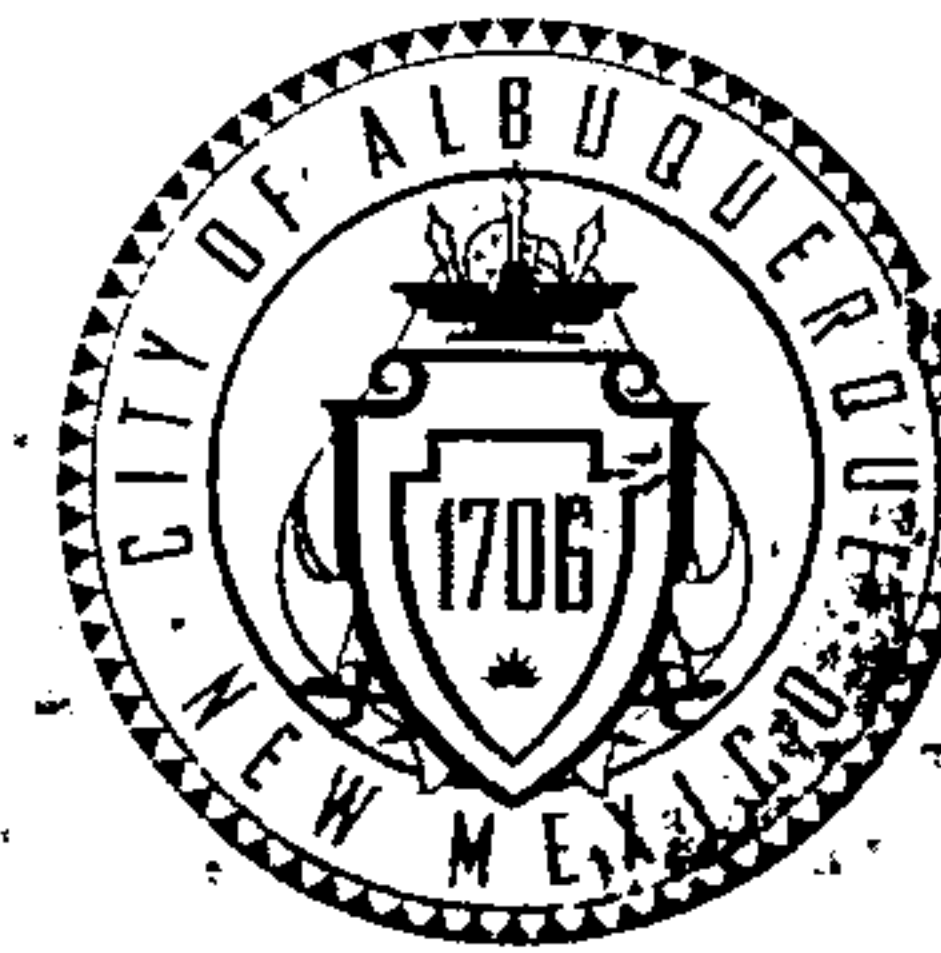
Results	
Mannings Coefficient	0.018
Water Surface Elev	0.67 ft
Elevation Range	0.00 to 1.15
Flow Area	4.7 ft <sup>2</sup>
Wetted Perimeter	14.55 ft
Top Width	13.96 ft
Actual Depth	0.67 ft
Critical Elevation	0.67 ft
Critical Slope	0.007193 ft/ft
Velocity	3.28 ft/s
Velocity Head	0.17 ft
Specific Energy	0.83 ft
Froude Number	1.00
Flow Type	supercritical

Calculation Messages:  
 Water elevation exceeds lowest end station by 0.67065431e-1 ft.

Roughness Segments		
Start Station	End Station	Mannings Coefficient
0+00	0+24	0.018

Natural Channel Points	
Station (ft)	Elevation (ft)
0+00	0.60
0+00	0.00
0+24	1.15

# CITY OF ALBUQUERQUE



**Planning Department  
Transportation Development Services Section**

September 15, 2011

Jean J. Bordenave, P.E.  
Bordenave Designs  
P.O. Box 91194  
Albuquerque, NM 87109

Re: Certification Submittal for a Permanent Building Certificate of Occupancy (C.O.)  
for **State Engineer's Office**, [E-18 / D057B]  
5550 San Antonio NE  
Engineer's Stamp Dated 09/12/11

Dear Mr. Bordenave:

Based upon the information provided in your submittal received 09-14-11,  
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)924-3630.

Sincerely,

Nilo E. Salgado-Fernandez, P.E.  
Senior Traffic Engineer  
Development and Building Services  
Planning Department

c: Engineer  
Hydrology file  
CO Clerk

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

PROJECT TITLE: State Engineer's Office ZONE MAP: E18/D057B  
DRB#: --- EPC#: --- WORK ORDER#: ---

LEGAL DESCRIPTION: Lots 1 & 2A, JJ Subdivision  
CITY ADDRESS: 5550 SAN ANTONIO NE

ENGINEERING FIRM: Bordenave Designs CONTACT: J. Bordenave  
ADDRESS: PO Box 91194 PHONE: 823-1344  
CITY, STATE: Albuquerque, NM ZIP CODE: 87109

OWNER: Tim Ott CONTACT: T. Ott  
ADDRESS: 5620 Venice NE, Suite G PHONE: 268-9742  
CITY, STATE: Albuquerque, NM ZIP CODE: 87113

ARCHITECT: M. del Mastro CONTACT: M. del Mastro  
ADDRESS: 7308 Delwood Rd NE PHONE: 883-4929  
CITY, STATE: Albuquerque, NM ZIP CODE: 87110

SURVEYOR: Baseline Field Services, Inc. CONTACT: P. Jayson  
ADDRESS: P.O. Box 27589 PHONE: 220-8361  
CITY, STATE: Albuquerque, NM ZIP CODE: 87125

CONTRACTOR: Tim Ott CONTACT: ---  
ADDRESS: --- PHONE: ---  
CITY, STATE: --- ZIP CODE: ---

## TYPE OF SUBMITTAL:

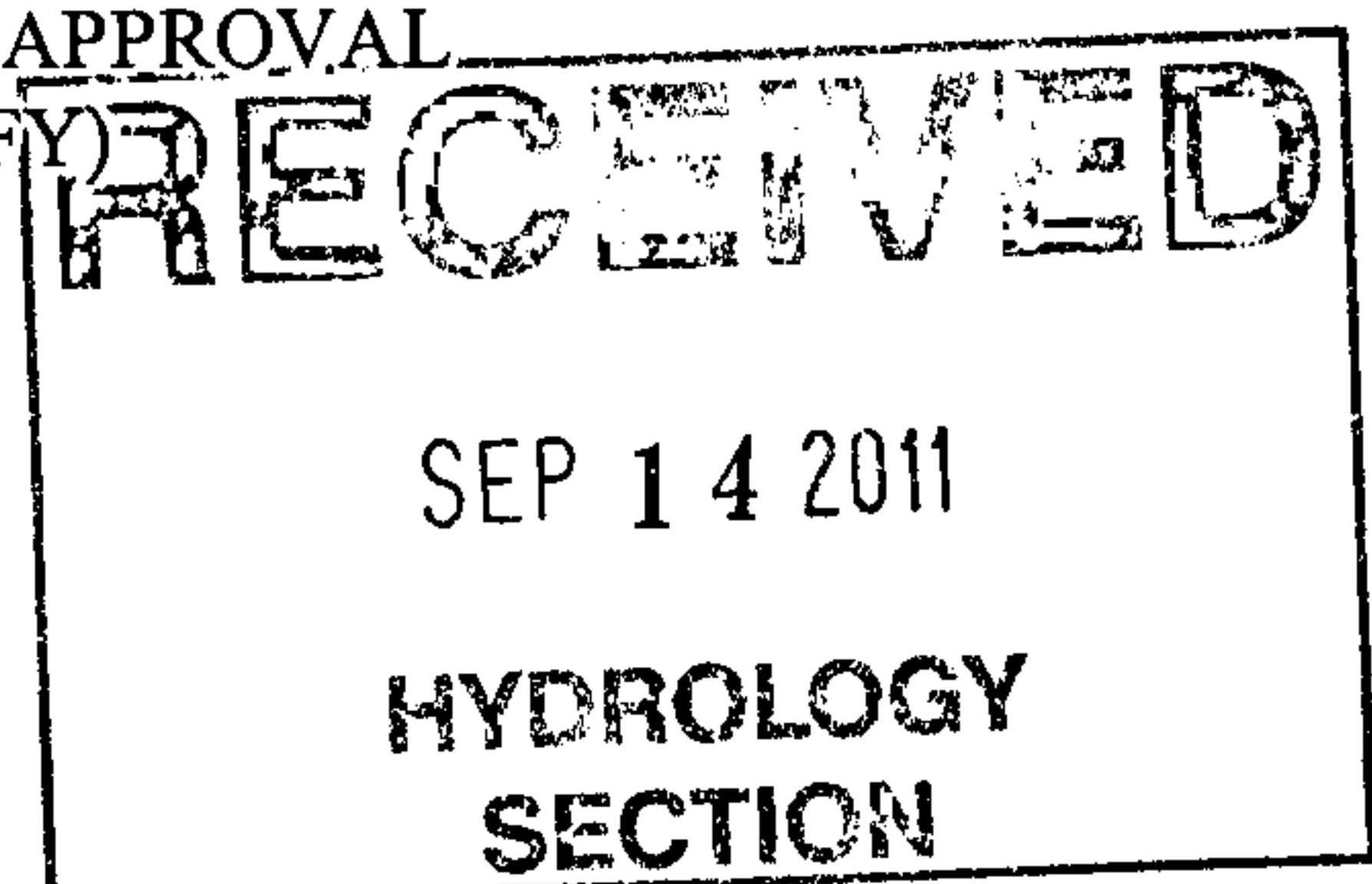
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL G & D PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERT (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT
- ☐ ENGINEER'S CERT (TCL)
- ☒ ENGINEER'S CERT (DRB SITE PLAN)
- ☐ OTHER (SPECIFY) ---

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D APPROVAL
- ☐ S. DEV. FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ BUILDING PERMIT APPROVAL
- ☒ CERTIFICATE OF OCCUPANCY
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ OTHER (SPECIFY) ---

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED



DATE SUBMITTED: Sept. 12, 2011 BY: Jake Bordenave

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

**BORDENAVE DESIGNS**  
P.O. BOX 91194  
ALBUQUERQUE, NM 87199-1194  
(505) 823-1344, FAX (505) 821-9105

**LETTER OF TRANSMITTAL**

TO: CITY OF ALBUQUERQUE TRANSPORTATION DEVELOPMENT	DATE: 09/12/11	PROJECT NO: 1002455/0714
	PROJECT NAME: NM STATE ENGINEER/SAN ANTONIO DR.	

**ATTN: KRISTAL METRO**

**TRANSMITTED:**

- ☒ HEREWITH  
☐ UNDER SEPARATE COVER VIA

**FOR YOUR:**

- |  |  |                                      |
|--|--|--------------------------------------|
| <input type="checkbox"/> DISTRIBUTION TO PARTIES | <input checked="" type="checkbox"/> APPROVAL | <input type="checkbox"/> INFORMATION |
| <input type="checkbox"/> REVIEW AND COMMENT      | <input type="checkbox"/> USE                 | <input type="checkbox"/> RECORD      |
| <input type="checkbox"/> RECORDATION             |  |                                      |

**THE FOLLOWING:**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> DRAWING(S)     | <input type="checkbox"/> SHOP DRAWING(S) | <input checked="" type="checkbox"/> SEE BELOW |
| <input type="checkbox"/> COPY OF LETTER | <input type="checkbox"/> CALCULATIONS    | <input type="checkbox"/> SPECIFICATIONS       |

COPIES	DATE	DESCRIPTION	ACTION CODE
1		TCL CERTIFICATION LETTER	E
1		AMENDED SITE DEVELOPMENT PLAN	

ACTION CODES:   A. Action indicated on item transmitted  
                  B. No action required  
                  C. Sign and return to this office  
                  D. Sign and forward as directed under remarks  
                  E. See remarks below

**REMARKS:**

PLEASE REVIEW FOR CO APPROVAL.

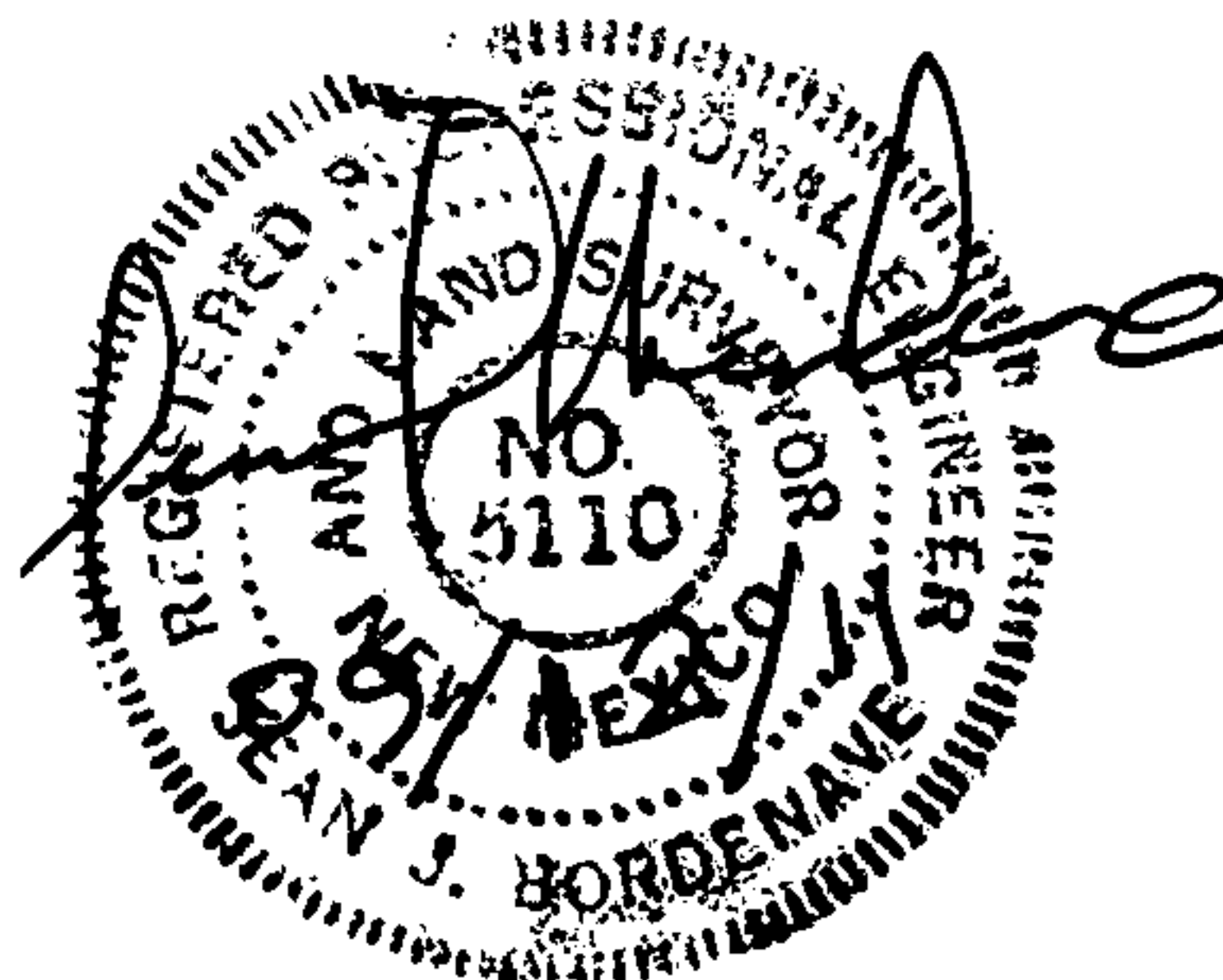
<b>COPIES TO:</b> FILE	IF ENCLOSURE IS NOT AS NOTED, PLEASE NOTIFY ME  <b>FROM: JAKE BORDENAVE</b>
---------------------------	---



## TRAFFIC CERTIFICATION

I, JEAN J. BORDENAVE, NMPE&LS NO. 5110, OF THE FIRM BORDENAVE DESIGNS, HEREBY CERTIFY THAT THIS PROJECT IS IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORCDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 06/09/2011. THE RECORD DOCUMENT IS BASED ON AS-BUILT INFORMATION PROVIDED BY THE FIRM BORDENAVE DESIGNS. I FURTHER CERTIFY THAT I HAVE PEROSNALLY VISITED THE PROJECT SITE ON 09/01/2011 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED ON THE EDITED DESIGN DOCUMENT IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE TRAFFIC ASPECTS OF THIS PROJECT. THOSE RELYING ON THE EDITED DESIGN DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.





# CITY OF ALBUQUERQUE



November 10, 2009

Michael Del Mastro, Register Architect.  
Michael Del Mastro Architect  
7308 Delwood Rd. NE  
Albuquerque, NM 87110

**Re: New Mexico Office of State Engineer  
5550 San Antonio Drive NE  
Certificate of Occupancy – Transportation Development  
Architect's Stamp dated 11-10-09 (E-18/D057B)**

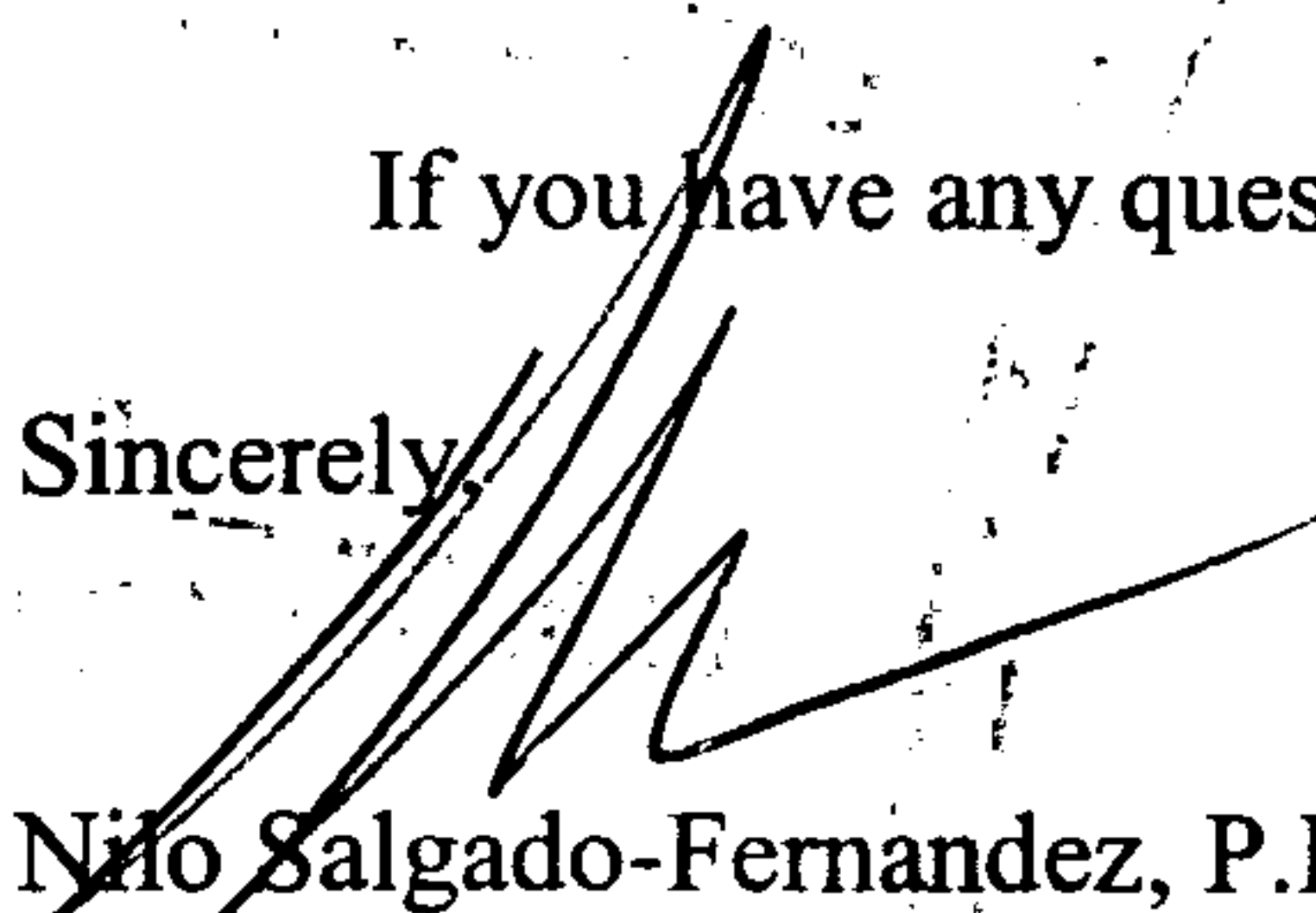
Dear Mr. Del Mastro,

Based upon the information provided in your submittal received 11-10-09, Transportation Development has no objection to the issuance of a 120-day temporary Certificate of Occupancy until the following items are addressed: **The construction/ completion of the left turn lane and primary entrance onto site.**

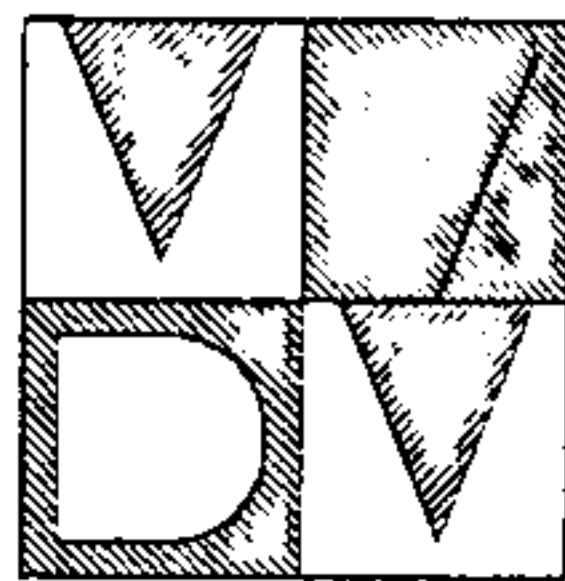
This letter serves as a "green tag" from Transportation Development for a 120-day temporary Certificate of Occupancy to be issued by the Building and Safety Division.

If you have any questions, you can contact me at 924-3630.

Sincerely,

  
Nilo Salgado-Fernandez, P.E.  
Senior Traffic Engineer, Planning Dept.  
Development and Building Services

C: CO Clerk  
File



MICHAEL DEL MASTRO / ARCHITECT

7308 DELWOOD RD. NE/ (505) 883-4929

ALBUQUERQUE, NEW MEXICO 87110

10 November 2009

### Traffic Certification

I, Michael Del Mastro, NMRA 668, of the firm Del Mastro, hereby certify that this project is in substantial compliance with and in accordance with the design intent of the DRB #7003445 approved plan dated 3 April 2009 and modified on 31 July 2009. The record information edited onto the original design document has been obtained by Timothy M. Ott of the ISBS, LLC., Contractor: 87250. I further certify that I have personally visited the project site on 9 November 2009 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Temporary Certification of occupancy.

The exception to the DRB#7003445 plan is provided as attachment. I annotated in red ink reflecting what portion of the Traffic Circulation Layout/Site Plan that hasn't been completed. This area as noted above is under City Project No. 735184, and currently being process through the City for bonding requirements. The contractor ISBS LLC, License: 87250, and subcontractors of Star Paving and Sun State Mechanical will complete this project in about four to six weeks.

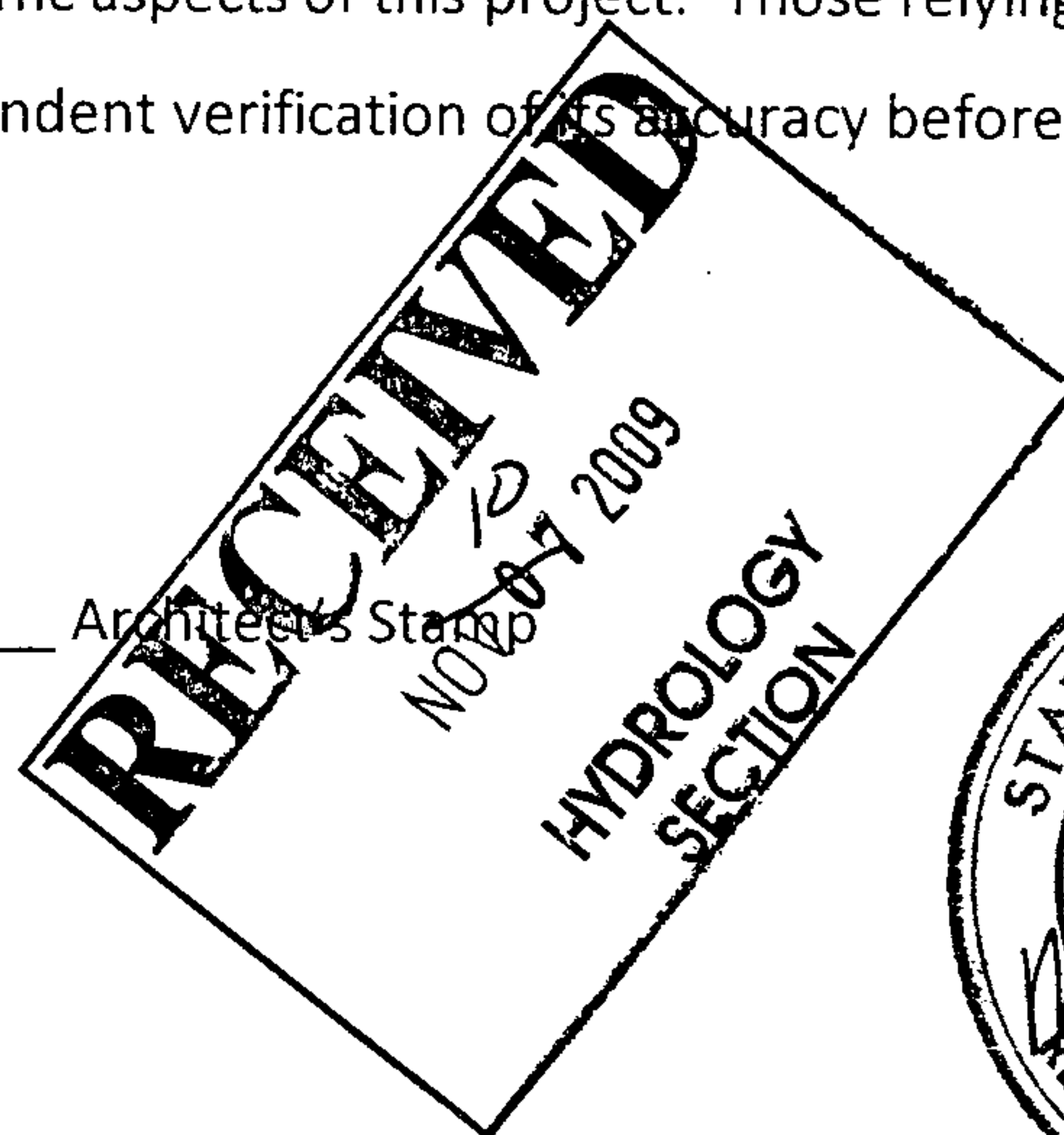
The record information presented here on is not necessarily complete and intended only to verify substantial compliance of the traffic aspects of this project. Those relying on the record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

*Mike DelMastro*

Signature of Engineer or Architect

*10/10/09*

Date



10 November 2009

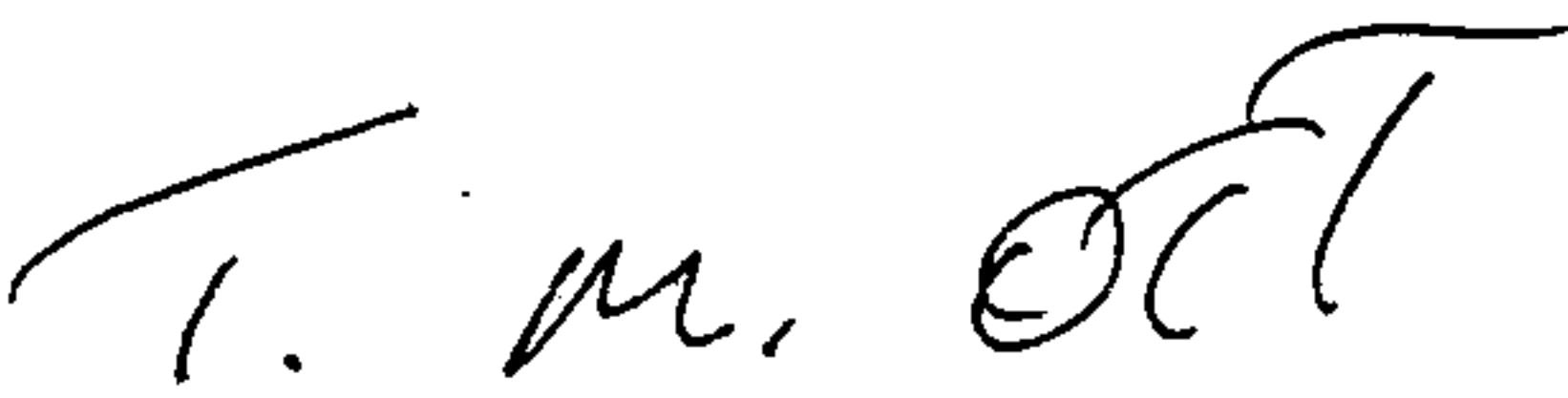
Ms. Kristal Metro  
Section Manager, Traffic Engineer  
City of Albuquerque  
600 2<sup>nd</sup> Street NW  
Albuquerque, NM 87102

Re: 5550 San Antonio Drive NE, Albuquerque, NM 87109  
DRC #1002455

In reference to above construction site, I am requesting a temporary certificate of occupancy at this site. Traffic certification is submitted for your review and approval.

Greatly appreciate your assistance in this manner. You can reach me at 505-250-4675 or e-mail, [tim@bluedivot.com](mailto:tim@bluedivot.com) or my general manager David C. Sparks at 505-270-6915, [dave@bluedivot.com](mailto:dave@bluedivot.com)

Sincerely,



T. M. OTT

Copy to:  
Mr. Michael Del Mastro  
Mr. Jake Bordenave

