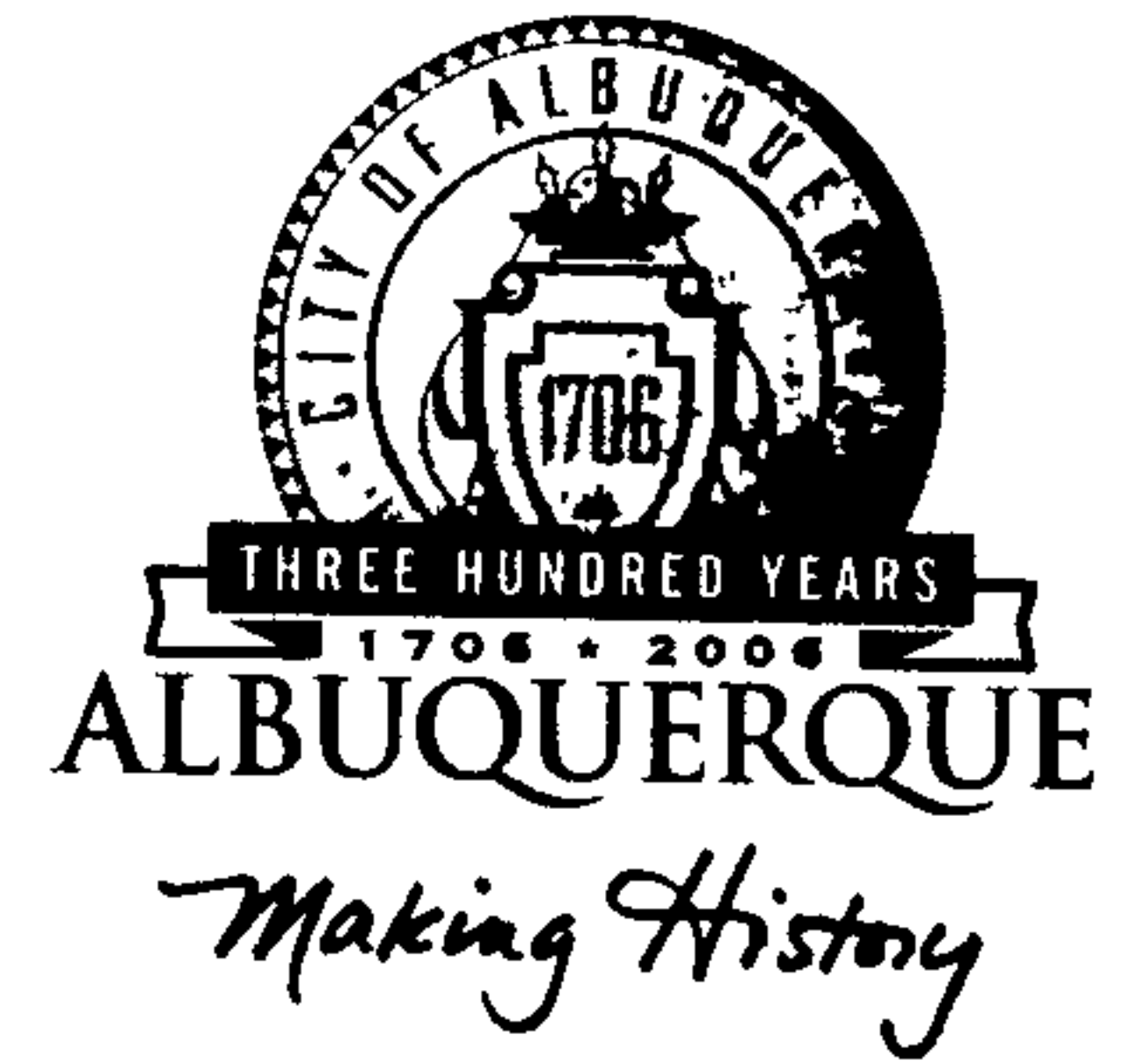


CITY OF ALBUQUERQUE



December 10, 2004

Mr. Martin Garcia, PE
ABQ ENGINEERING INC.
1631 Eubank Blvd. NE
Suite C
Albuquerque, NM 87112

RE: LA PLAZA ACEQUIA I SUBDIVISION, (G-12/D29)
Engineers Certification for Release of Financial Guaranty
Engineers Stamp dated 12/14/2003
Engineers Certification dated 12/03/2004

Dear Martin:

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

Based upon the information provided in your Engineer's Certification Submittal dated 12/09/2004, the above referenced plan is adequate to satisfy the Grading and Drainage Certification for Release of Financial Guaranty.

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

Sincerely,

Arlene V. Portillo
Plan Checker, Planning Dept.- Hydrology
Development and Building Services

C: Marilyn Maldonado, COA# 727181
File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: La Plaza Account I ZONE MAP/DRG. FILE #: G-12/D29
 DRB #: 1002851 EPC#: _____ WORK ORDER#: 727181

LEGAL DESCRIPTION: EAST 1/2 OF TRACT 4 ALVARADO GRANDS UNIT No. 3
 CITY ADDRESS: _____

ENGINEERING FIRM: APQ ENGINEERING
 ADDRESS: 6739 ACADEMY SUITE 130
 CITY, STATE: ARLINGTON TX 76010

CONTACT: MARCUS GARCIA
 PHONE: 255-7802
 ZIP CODE: _____

OWNER: INFU SOLUTIONS
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: JAY ROMBO
 PHONE: 453-7164
 ZIP CODE: _____

ARCHITECT: _____
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: _____
 PHONE: _____
 ZIP CODE: _____

SURVEYOR: _____
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: _____
 PHONE: _____
 ZIP CODE: _____

CONTRACTOR: _____
 ADDRESS: _____
 CITY, STATE: _____

CONTACT: _____
 PHONE: _____
 ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

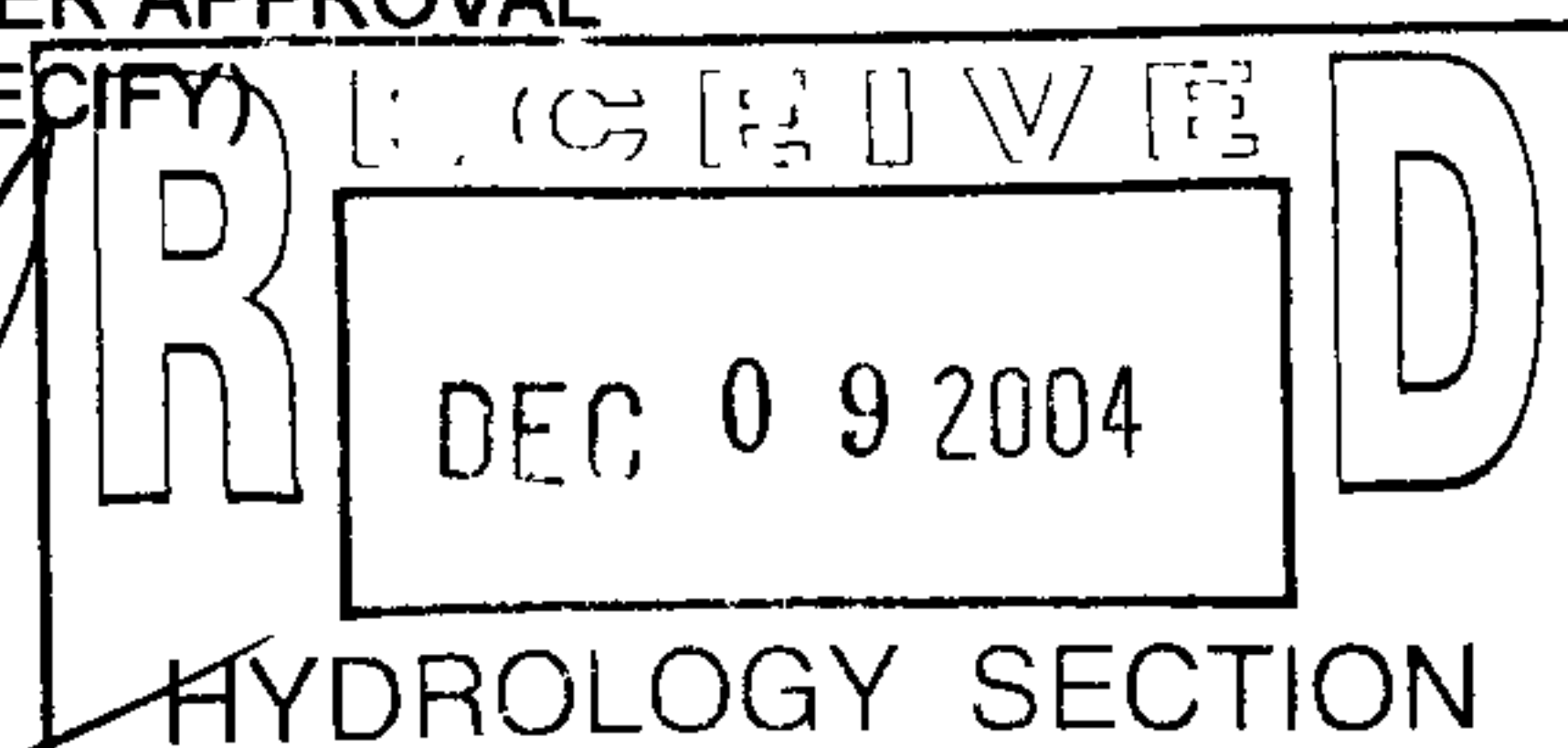
CHECK TYPE OF APPROVAL SOUGHT:

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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: 12/7/04 BY: [Signature]



Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of 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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

December 7, 2004

Mr. Brad Bingham
City of Albuquerque Development Services
600 2nd Street NW
Albuquerque, NM 87102

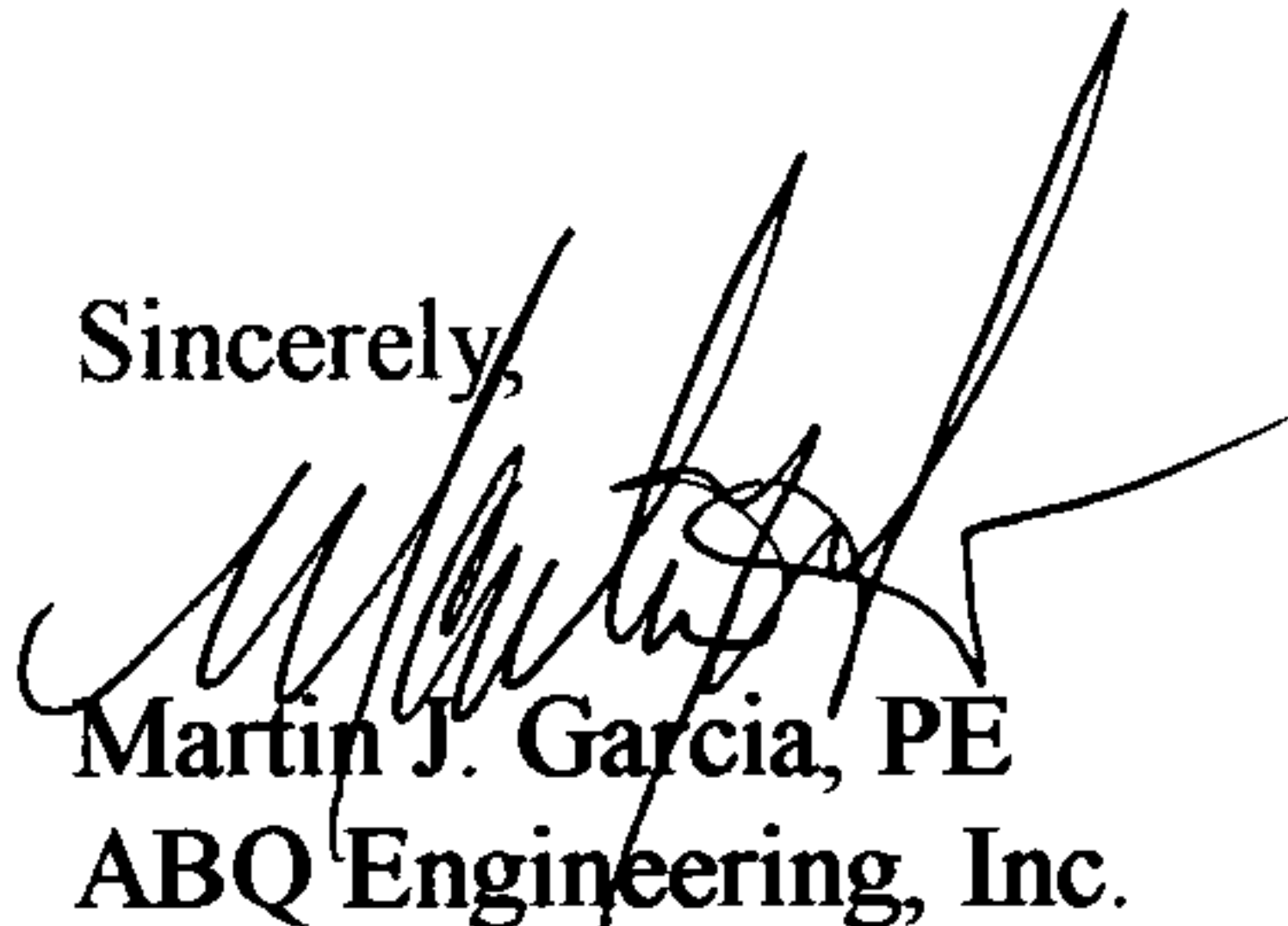
RE: As built Grading and Drainage Plan for Plaza Acequia I Subdivision

Mr. Bingham:

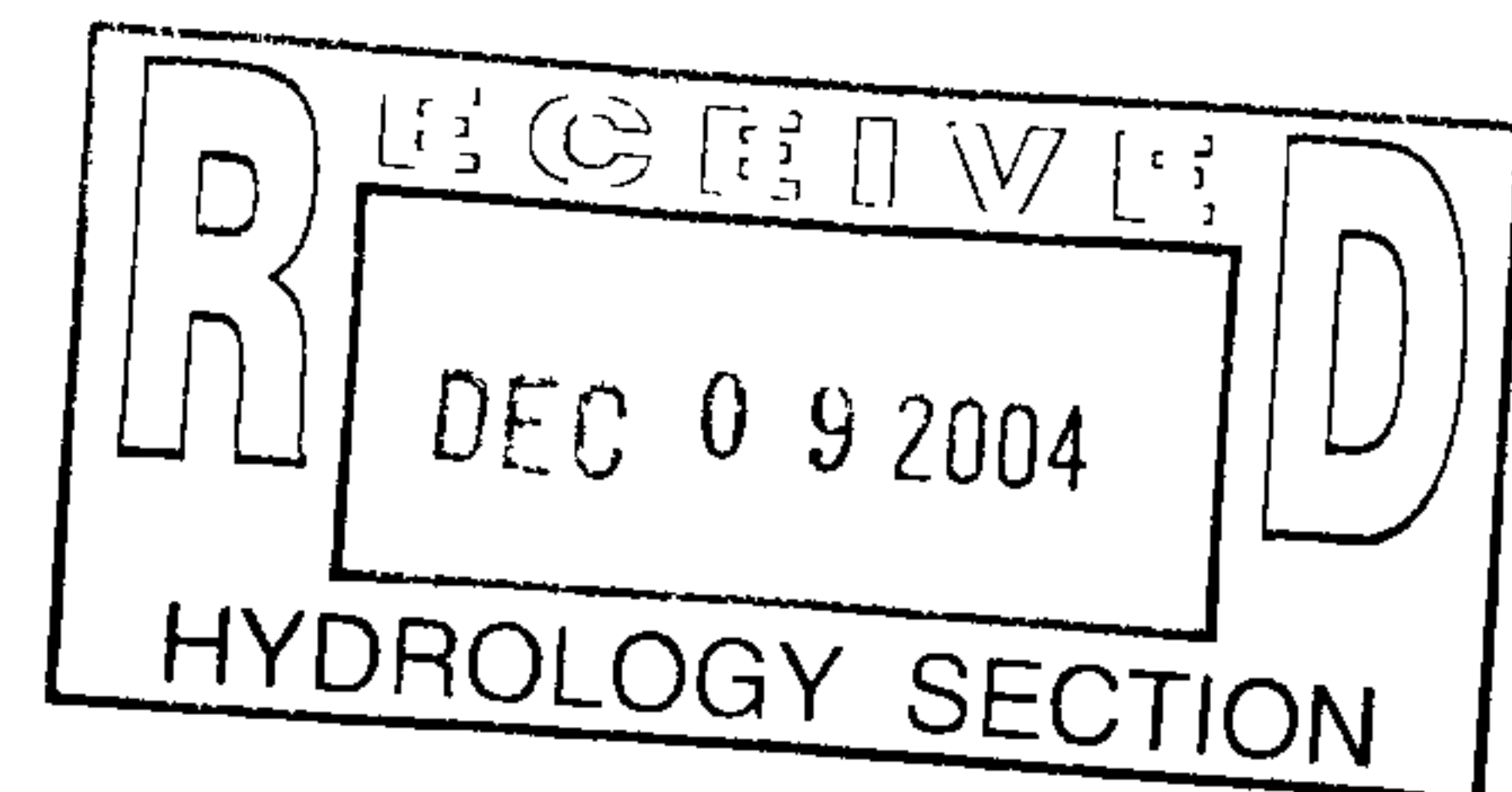
Enclosed is one blueline copy of the as built Grading and Drainage Plan for the Plaza Acequia I subdivision for your approval and release of financial guarantee.

Please call me at 255-7802 if you have any questions or require additional information.

Sincerely,


Martin J. Garcia, PE
ABQ Engineering, Inc.
23050

*This is ok
to Release
BUB 12/10*





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 3, 2004

Martin Garcia, P.E.
ABQ Engineering
6739 Academy Rd. Suite 130 NE
Albuquerque, NM 87109

Re: Plaza Acequia Subdivision, Grading Plan
Engineer's Stamp dated 12-14-03 (G12/D29)

Dear Mr. Garcia,

Based upon the information provided in your submittal received 12-16-03, the above referenced plan is approved for Final Plat and Work Order. This is now the plan that must be certified for release of SIA and Financial Guarantee.

If you have any questions, you can contact me at 924-3981.

Sincerely,

Kristal D. Metro
Engineering Associate, Planning Dept.
Development and Building Services

BLB

C: file

G-12/029

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV. 1/11/2002)

Resubmittal

PROJECT TITLE: PLAZA ACEQUIA I SUBDIVISION ZONE MAP/DRG. FILE #: G-12
DRB #: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: the EAST 1/2 Lot 4 ALVARADO GRADONS SUBDIVISION.
CITY ADDRESS: 2424 CAMDENIA NW

ENGINEERING FIRM: ABR ENGINEERING
ADDRESS: 1739 ACADEMY NE SUITE 130
CITY, STATE: _____

CONTACT: MARTIN T. GARCIA
PHONE: 255-7802
ZIP CODE: 87109

OWNER: INFIL SOLUTIONS
ADDRESS: 7620 JEFFERSON NE
CITY, STATE: ALBUQUERQUE NM

CONTACT: JAY RAMBO
PHONE: 878-0008
ZIP CODE: 87105

ARCHITECT: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

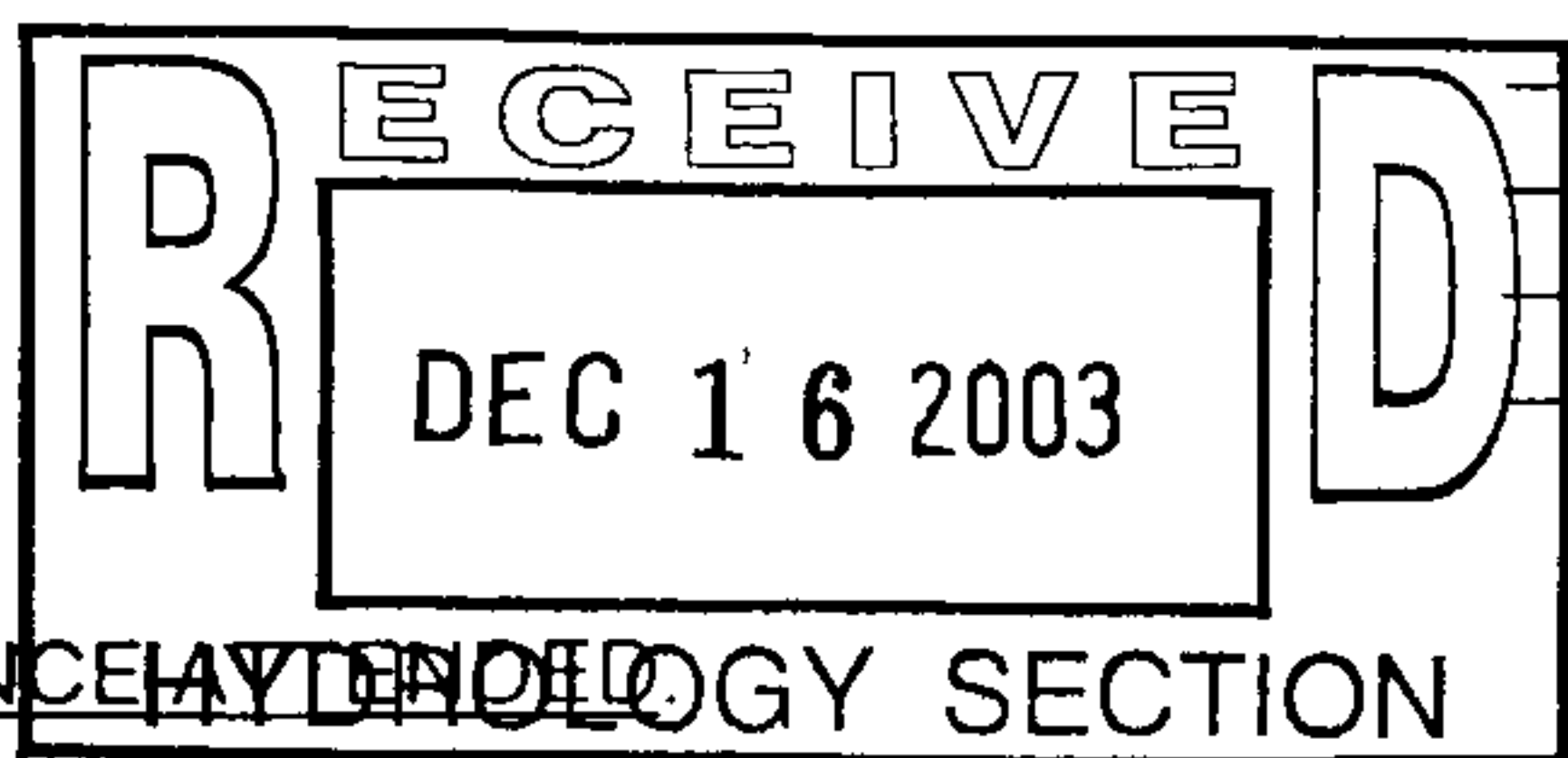
CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☒ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

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



WAS A PRE-DESIGN CONFERENCE ATTENDED? ☒ YES ☐ NO

☒ COPY PROVIDED

DATE SUBMITTED: 12/16/03 BY: [Signature]

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of 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
- 2 **Drainage Plans** Required for building permits, grading permits, paving permits and site plans less than five (5)
- 3 **Drainage Report** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or

December 16, 2003

Mr. Brad Bingham
City of Albuquerque Development Services
600 2nd Street NW
Albuquerque, NM 87102

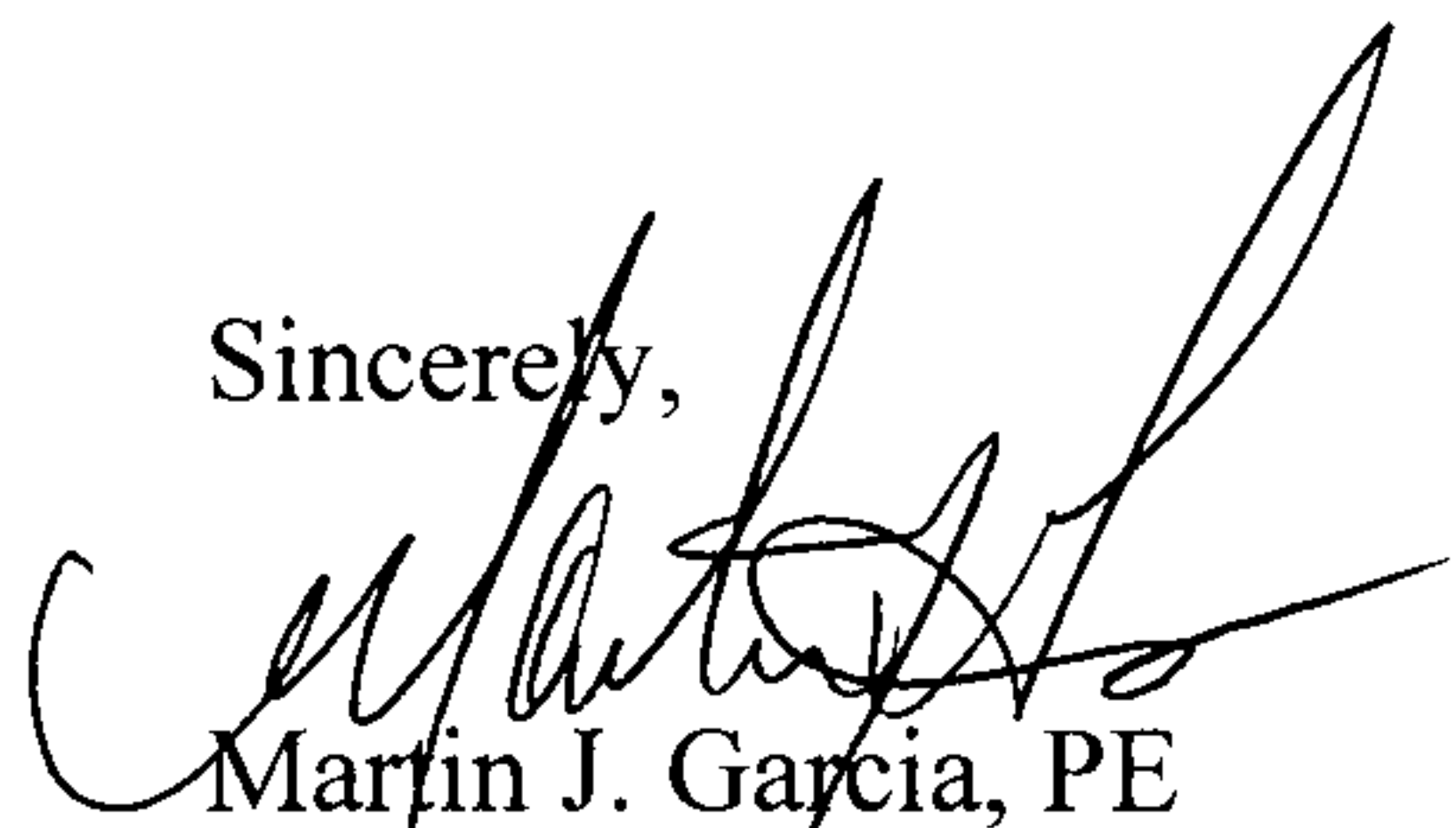
RE: Revised Grading and Drainage Plan for Plaza Acequia I Subdivision

Mr. Bingham:

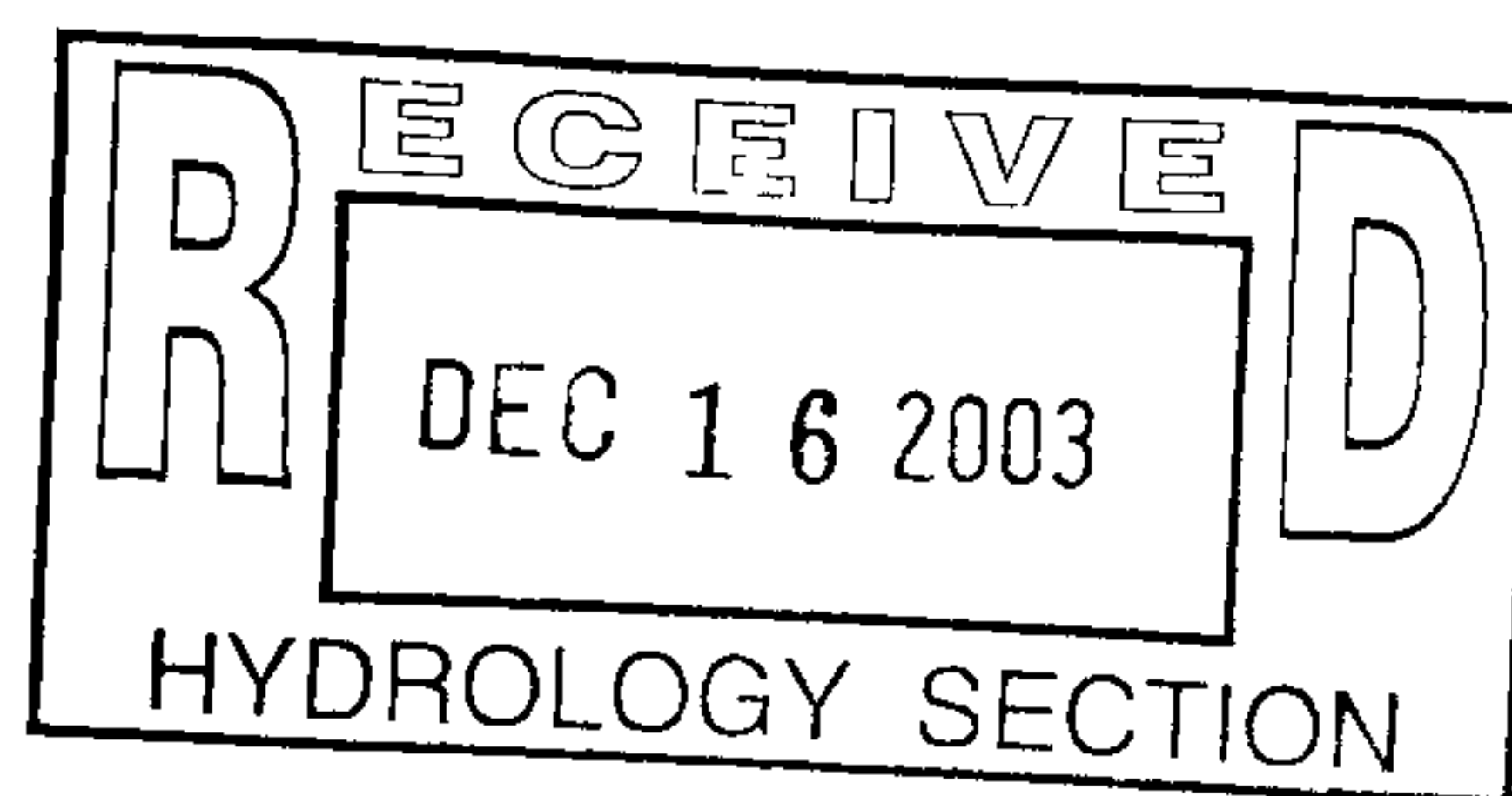
Enclosed is one blue-line copy of the revised Grading and Drainage Plan for the Plaza Acequia I subdivision. All previous City comments have been addressed and the plan is ready for approval.

Please call me at 255-7802 if you have any questions or require additional information.

Sincerely,



Martin J. Garcia, PE
ABQ Engineering, Inc.
23050





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 21, 2003

Martin J. Garcia
ABQ Engineering, Inc.
1631 Eubank NE, Suite C
Albuquerque, New Mexico 87112

RE: Drainage and Grading Report for La Plaza Acequia Subdivision (G12-D29) Dated September 16, 2003

Dear Mr. Garcia:

I have reviewed the referenced drainage plan and forward the following comments.

1. Please submit the latest plat to show the ~~private~~ drainage easement. Include who will maintain these easements. *BLB to check*
- ✓ 2. Please show the grades for the access at Candelaria Avenue. Please show grades in the existing street that you are going to tie ~~into~~.
- ✓ 3. The grades are too flat to carry runoff on gravel base course. Please provide a hard surface to carry runoff to Candelaria Avenue. An example would be an inverted crown alley section.

If you have any questions please call me at 924-3982.

Sincerely,

Carlos A. Montoya
City Floodplain Administrator

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(REV. 1/11/2002)

PROJECT TITLE: LA PLAZA ACEQUIA SUBDIVISION ZONE MAP/DRG. FILE #: G-12 / D29
DRB #: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: EAST 1/2 TRACT 4 ALVARADO GARDENS UNIT 3.
CITY ADDRESS: _____

ENGINEERING FIRM: ABO ENGINEERING INC.
ADDRESS: 1631 CUBAN BLVD SUITE C
CITY, STATE: ALBUQUERQUE NM

CONTACT: MARTIN J. GARCIA
PHONE: 253-7802
ZIP CODE: 87112

OWNER: INFIL SOLUTIONS.
ADDRESS: 1631 CUBAN BLVD SUITE C
CITY, STATE: ALBUQUERQUE NM 87112

CONTACT: JAY ROMBE / CHRIS CALOTT
PHONE: 878-0008 / 401-7844
ZIP CODE: 87112

ARCHITECT: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

- ☒ DRAINAGE REPORT
☒ DRAINAGE PLAN
☒ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
____ EROSION CONTROL PLAN
____ ENGINEER'S CERTIFICATION (HYDROLOGY)
____ CLOMR/LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ ENGINEERS CERTIFICATION (TCL)
____ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
____ OTHER

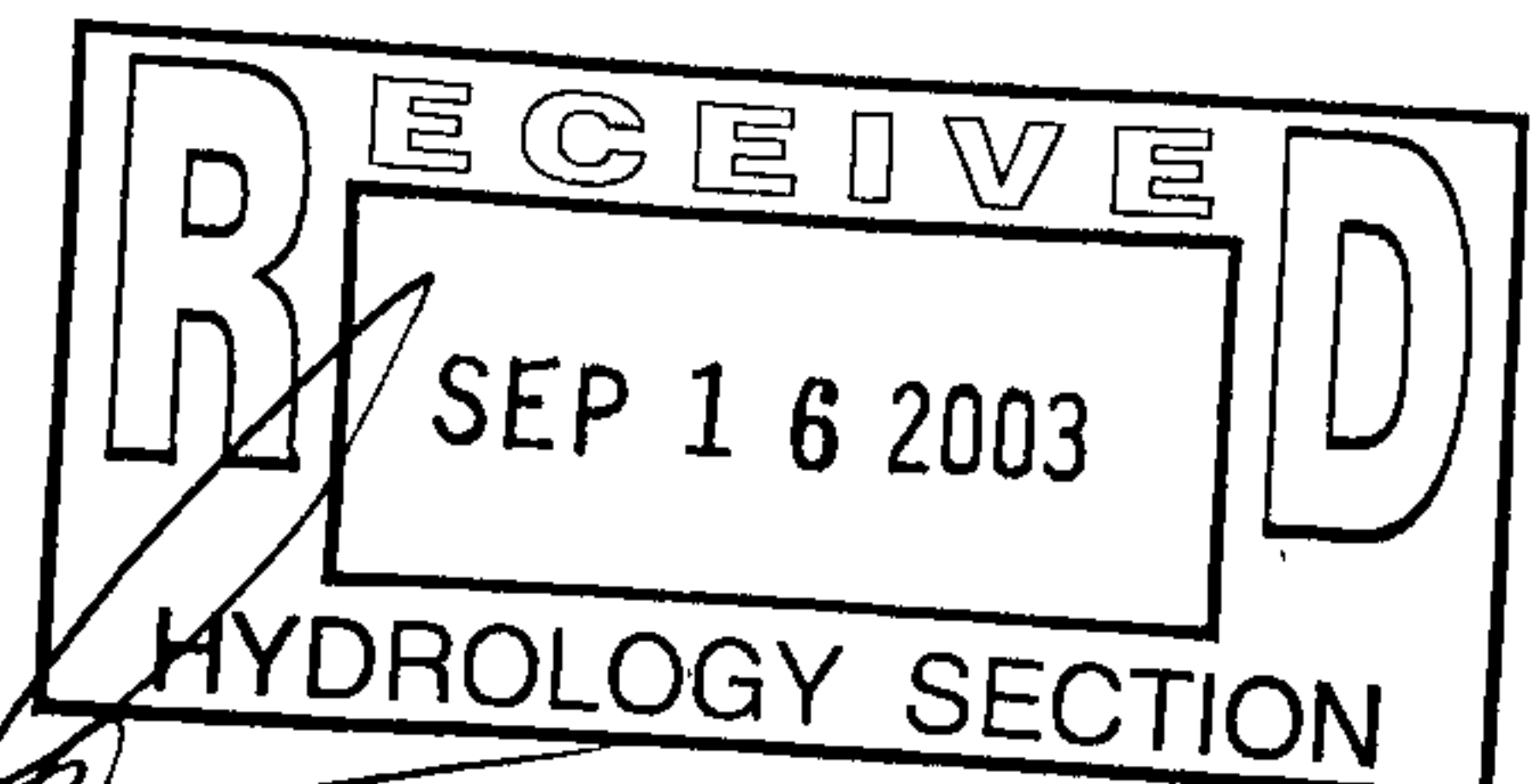
CHECK TYPE OF APPROVAL SOUGHT:

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

WAS A PRE-DESIGN CONFERENCE ATTENDED:

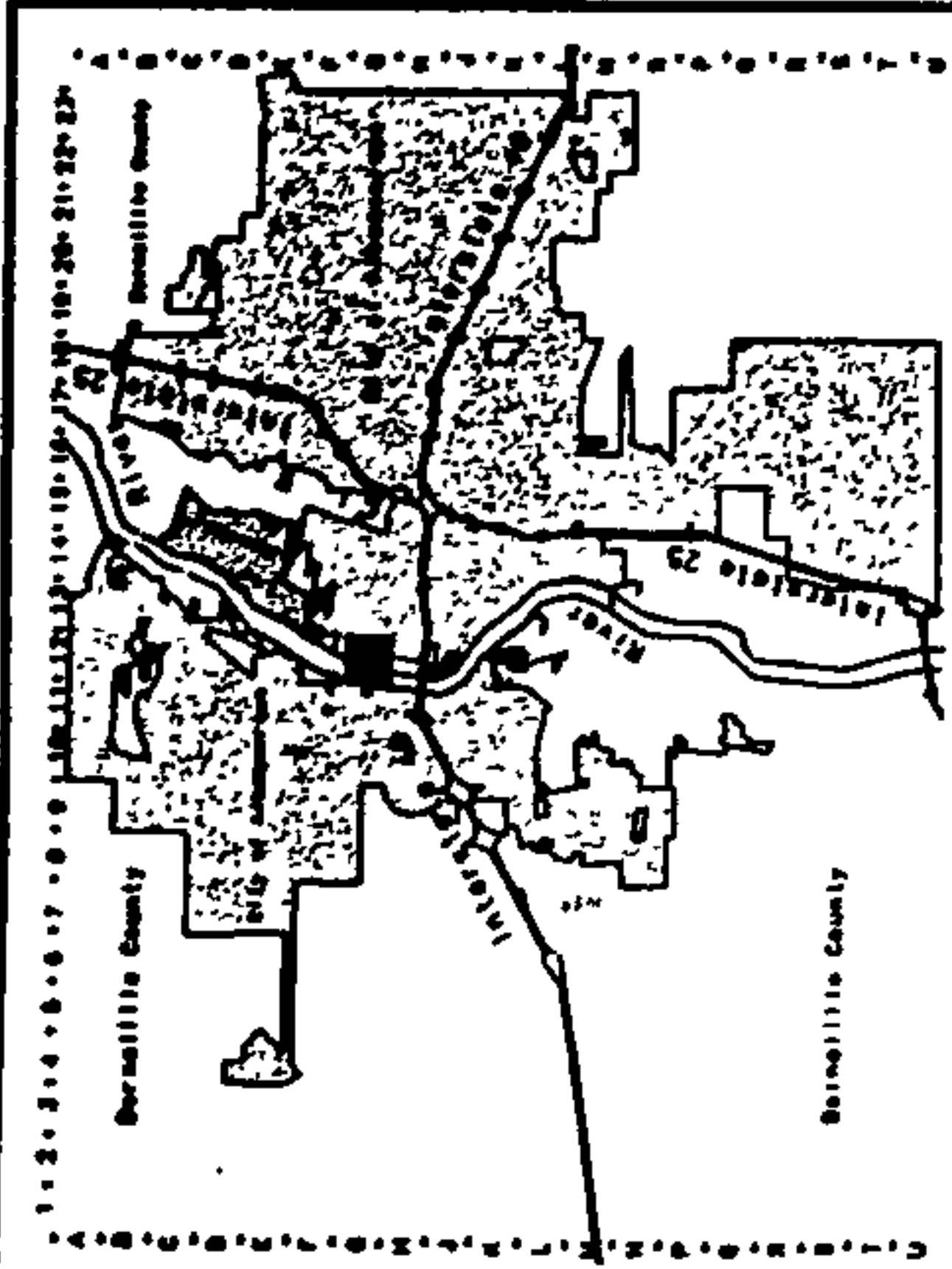
- ☐ YES
☒ NO
____ COPY PROVIDED

DATE SUBMITTED: 9/15/03 BY: [Signature]



Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of 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
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5)
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or



Location map

SITE



SCALE IN FEET



1" = 500'



LEGAL DESCRIPTION

TION
PCE
SEC 1

UNIFORM PROPERTY CODE
1-013-000

G-12-Z

Bernalillo County
Map Amended by AGIS through May 06, 1995

DRAINAGE REPORT

FOR

PLAZA ACEQUIA SUBDIVISION

ZONE ATLAS PAGE G-12

ALBUQUERQUE, NEW MEXICO

September 15, 2003

Prepared By:

ABQ Engineering, Inc.

1631 Eubank NE Suite C

Albuquerque, NM 87112

255-7802 Fax 255-7902

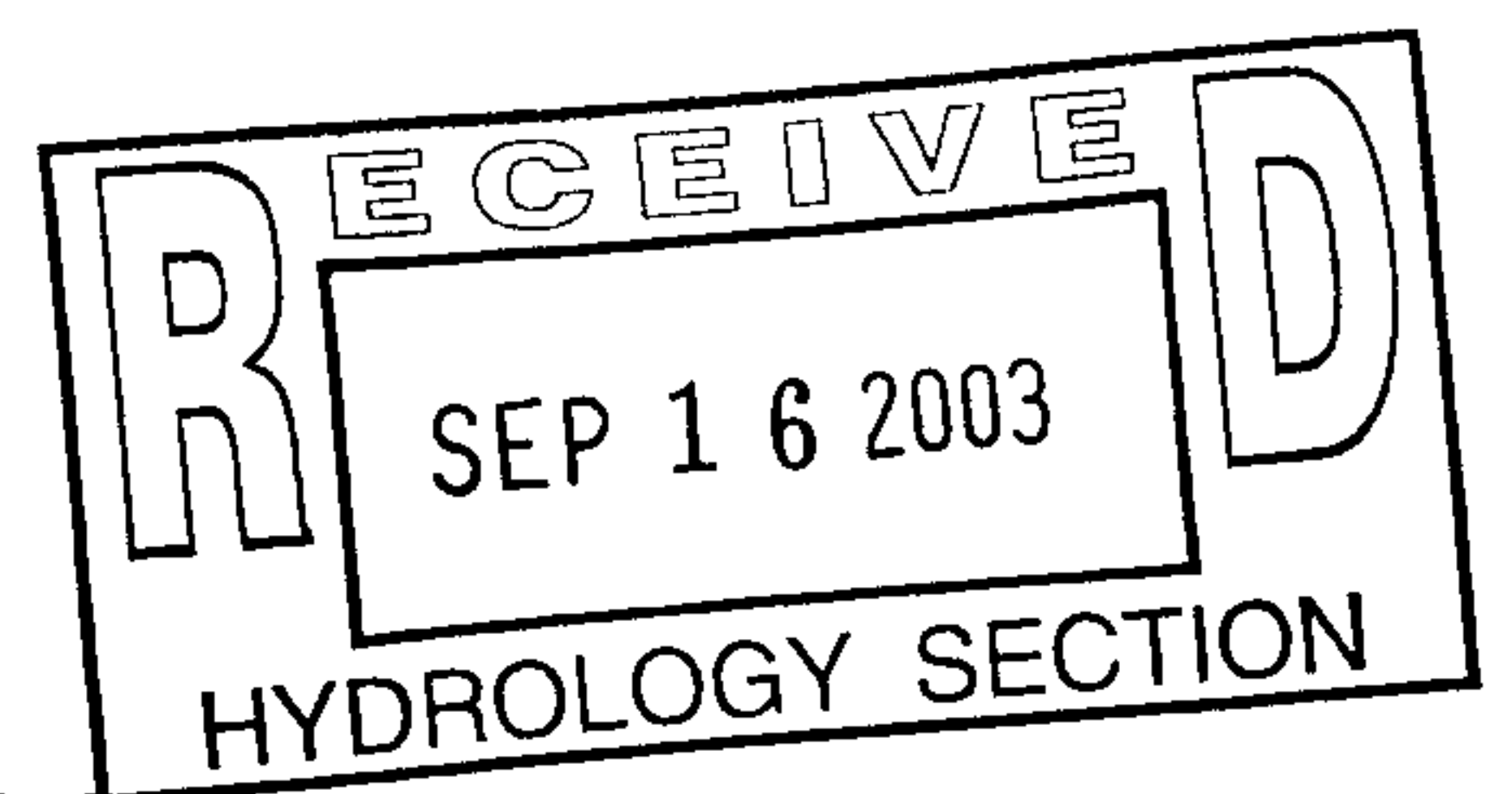


TABLE OF CONTENTS

Table of Contents	Page
I. Introduction	3
II. Project Description	3
III. Methodology	3
IV. Drainage Computations	4
V. Infrastructure	4
VI. Summary and Conclusion	4

Appendix A	Site Grading and Drainage Plan, with drainage calculations
------------	--

DRAINAGE REPORT **for** **PLAZA ACEQUIA SUBDIVISION**

I. INTRODUCTION

This report documents the methods used to determine and convey the storm water runoff from the Plaza Acequia Subdivision. The Plaza Acequia Subdivision contains the East ½ of Tract 4 Alvarado Gardens Unit No. 3. The proposed subdivision is located along the south side of Candelaria Boulevard adjacent to the east side of the Duranes Ditch and consists of 10 residential lots.

II. PROJECT DESCRIPTION

The Plaza Acequia Subdivision is a 1.76-acre tract with one existing residence and outbuilding that will be developed into a 10-lot residential subdivision. The existing residence and outbuilding will be demolished and removed. Candelaria Boulevard bounds it on the North, existing development on the South and West, and the Duranes Ditch on the East. The property is Zoned R-2.

III. METHODOLOGY

The hydrology calculations follow the guidelines set forth in Section 22.2 of the Albuquerque Development Process Manual (DPM). The 100yr-24 hour storm was used to compute runoff quantities. There are no off-site flows to this property. All calculations were done assuming no off-site flows.

IV. DRAINAGE COMPUTATIONS

The proposed development is within Precipitation Zone 2. The Land Treatment Area for the proposed subdivision is as follows:

Type "D"	29%
Type "C"	34%
Type "B"	37%
Type "A"	0%

The analysis resulted in an undeveloped flow of 3.00 cfs and a developed flow of 5.76 cfs.

V. INFRASTRUCTURE

The interior street will be privately maintained and is proposed as 24 ft. gravel at a 0.5% grade except at the Plaza's where the improvements will be the entire width of the easement. The flows will be conveyed to Candelaria Boulevard through the proposed street (see Grading and Drainage Plan attached). Candelaria Boulevard drains to the west into an existing storm drainage system

VI. SUMMARY AND CONCLUSION

The Storm drainage design and computations associated with this proposed subdivision is very straightforward. Because of the existing grading surrounding this property, and existing development, there are no off-site flows. Candelaria Boulevard has a storm drainage system with adequate capacity. The developed flows will be conveyed through the interior street to Candelaria Boulevard.

Included with the Grading and Drainage Plan is the computer spreadsheet for the computation of the input, output, and summary for the 100yr-24hour storm, and a copy of the zone atlas map.