

CITY OF ALBUQUERQUE



June 7, 2006

Ms. Diane Hoelzer, PE
MARK GOODWIN & ASSOCIATES
P.O. Box 90606
Albuquerque, NM 87199

RE: ANCALA VILLAGE TOWNHOMES (F-21/D76)
Engineers Certification for Release of Financial Guaranty
Approved Engineers Stamp dated 05/20/2005
Engineers Certification dated 06/05/2006

Dear Diane:

Based upon the information provided in your Engineer's Certification Submittal dated 06/06/2006, 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# 763481
File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

F-21/D76

PROJECT TITLE: Ancala Village Townhomes

DRB #: 1003749

EPC#: _____

ZONE MAP/DRG. FILE #: F-23

WORK ORDER#: 763481

LEGAL DESCRIPTION: Ancala Village

CITY ADDRESS: Juan Tabo near Spain intersection, NE Heights, ABQ

ENGINEERING FIRM: Mark Goodwin & Associates, PA

ADDRESS: PO Box 90606

CITY, STATE: Albuquerque, NM

CONTACT: Diane Hoelzer

PHONE: 828-2200

ZIP CODE: 87199

OWNER: Alpha Equities LLC

ADDRESS: 501 3rd street

CITY, STATE: Albuquerque, NM

CONTACT: Scott Ashcraft

PHONE: 922-9411

ZIP CODE: 87184

ARCHITECT: _____

ADDRESS: _____

CITY, STATE: _____

CONTACT: _____

PHONE: _____

ZIP CODE: _____

SURVEYOR: Aldrich Land Surveying

ADDRESS: PO Box 30701

CITY, STATE: Albuquerque, NM

CONTACT: Tim Aldrich

PHONE: 884-1990

ZIP CODE: 87107

CONTRACTOR: Hydro-Systems Inc

ADDRESS: 6151 Hanover Road NW

CITY, STATE: Albuquerque, NM

CONTACT: Mike Smith

PHONE: 839.1000

ZIP CODE: 87121

CHECK TYPE OF SUBMITTAL:

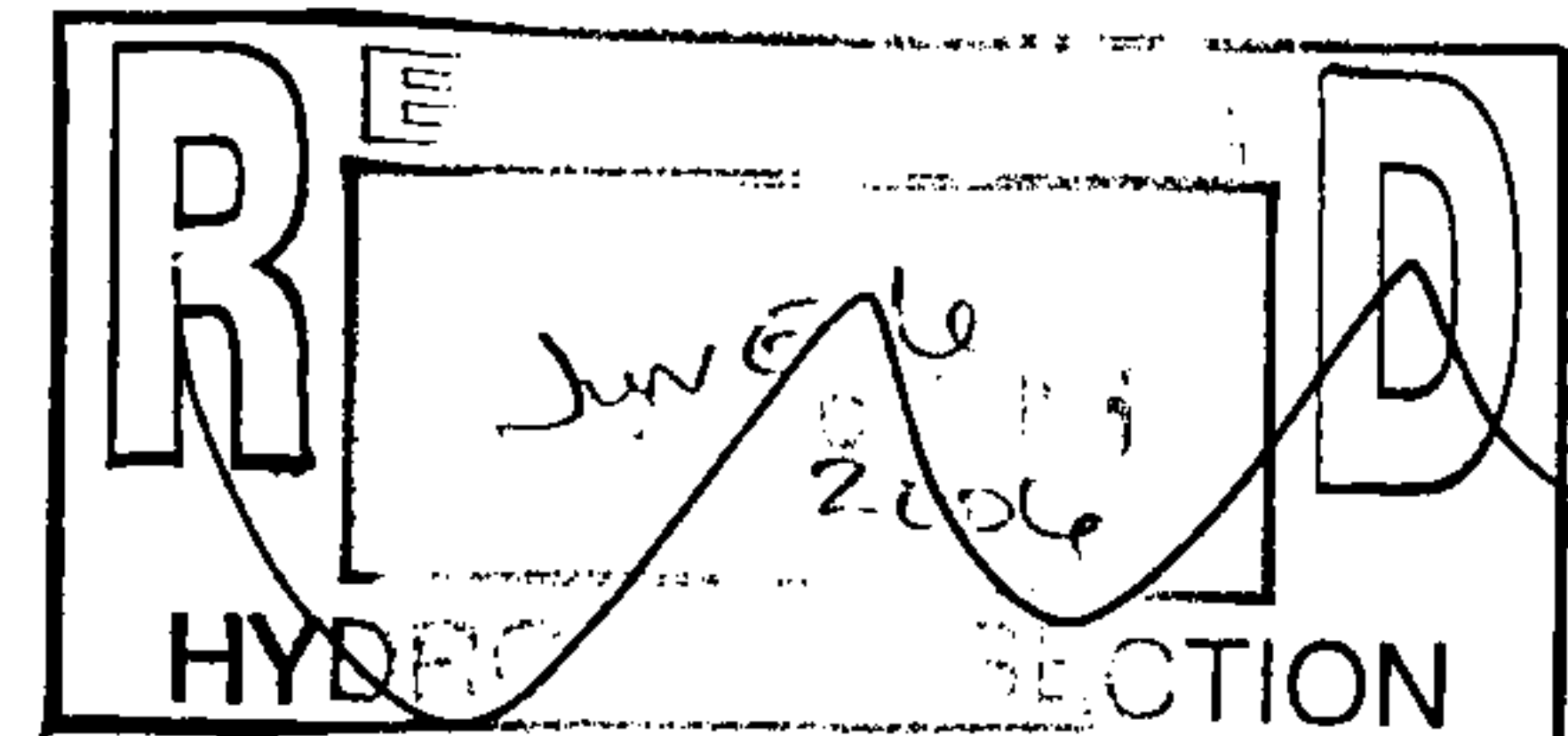
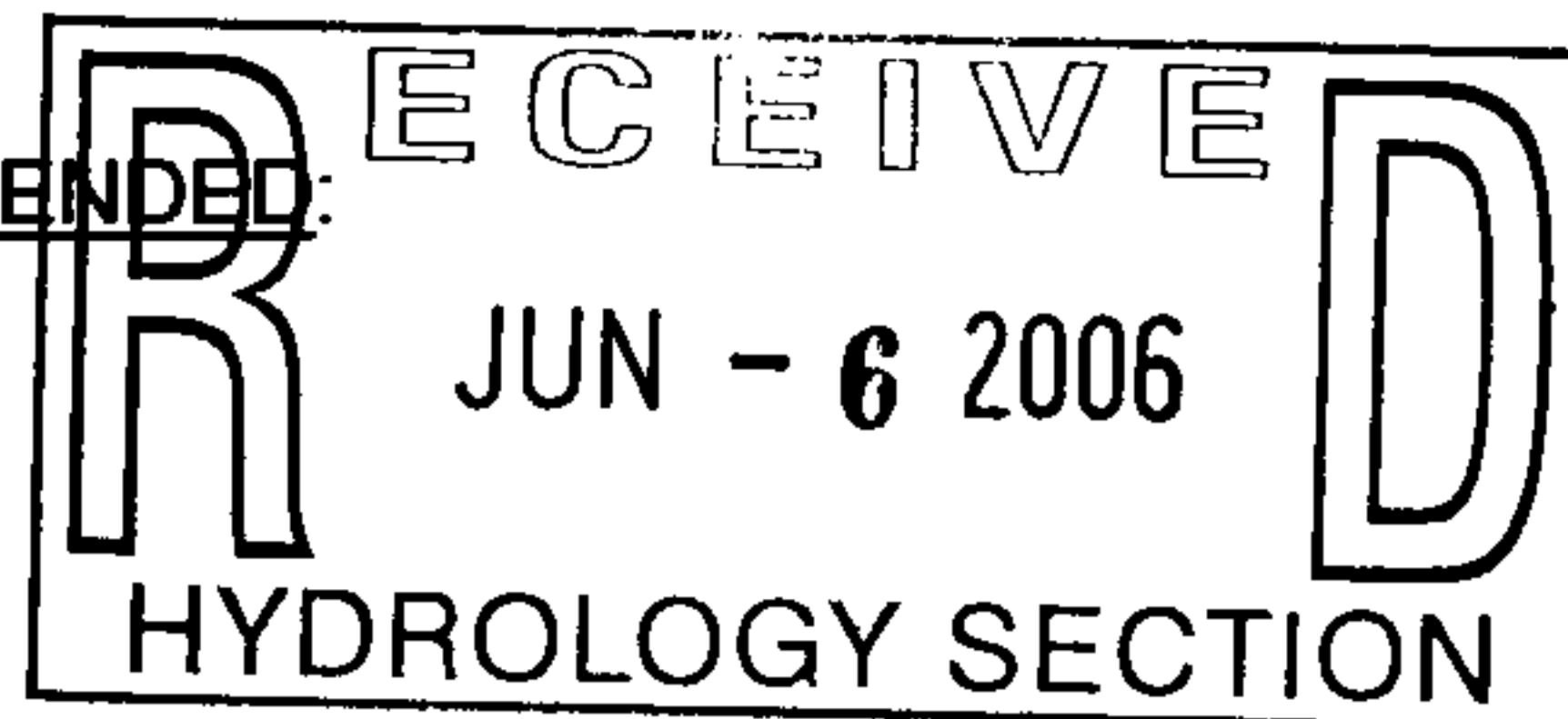
CHECK TYPE OF APPROVAL SOUGHT:

- ☐ 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

- ☒ 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: 6/6/06

BY: Diane Hoelzer, PE

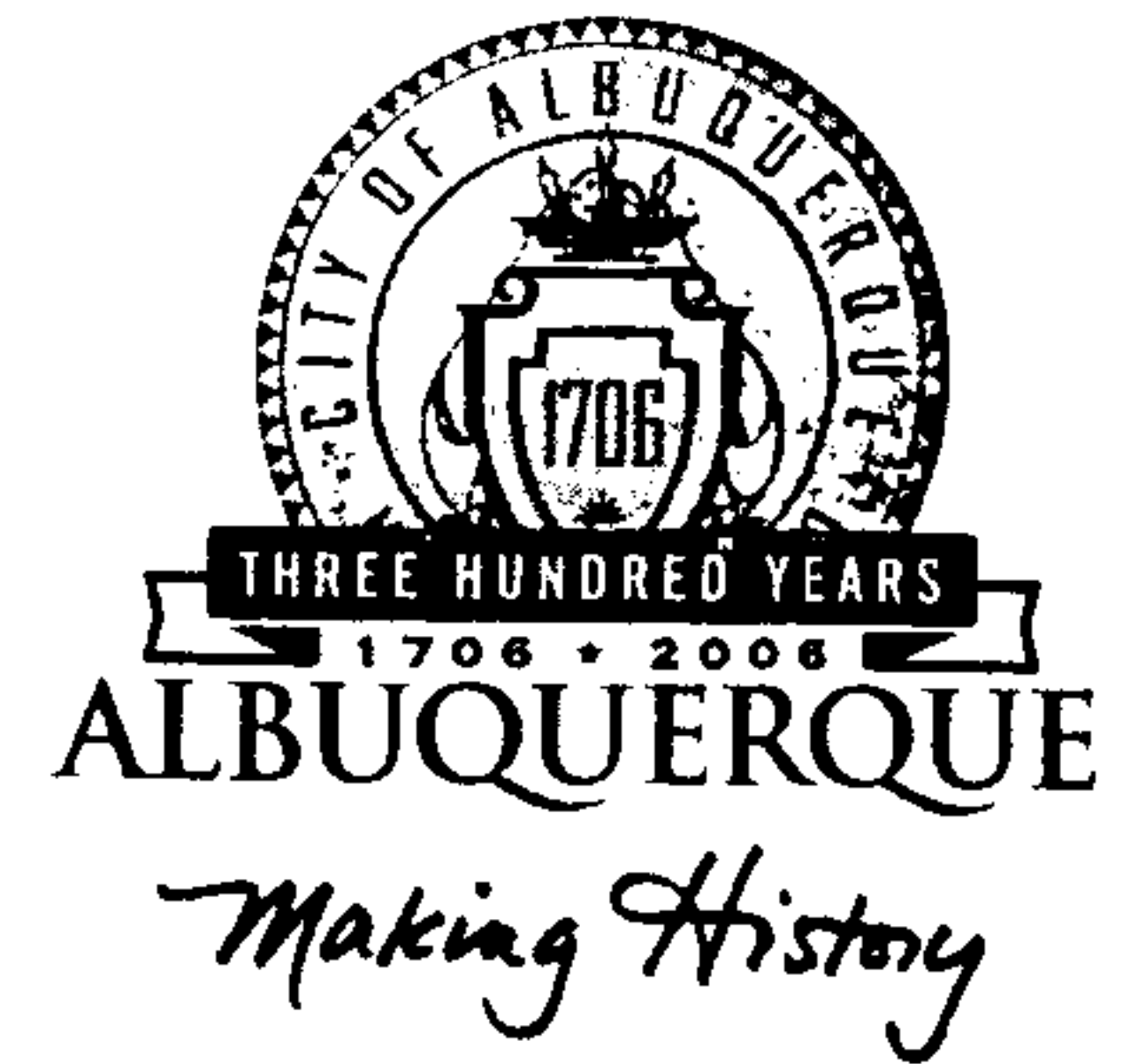
Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on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

CITY OF ALBUQUERQUE



June 8, 2005

Diane Hoelzer, P.E.
Mark Goodwin & Associates, P.A.
P.O. Box 90606
Albuquerque, NM 87119

**Re: Ancala Village Townhomes, Tract B, Unit 2, Academy Square
Grading & Drainage Plan - Engineer Stamp date 5-20-05 (F21/D76)**

Dear Ms. Hoelzer,

Based upon information provided in your submittal dated 5-20-05, the above referenced plan is approved as amended. This will be the plan that must be certified for Release of Financial Guaranty. Submit a mylar copy of the grading plan for my signature in order to obtain a Grading Permit.

P.O. Box 1293

If you have any questions, you can contact me at 924-3990.

Albuquerque

Sincerely,

Phillip J. Lovato, E.I., C.F.M.
Associate Engineer, Planning Department
Development and Building Services

New Mexico 87103

www.cabq.gov

Cc: file

DRAINAGE INFORMATION SHEET
(REV. 1/28/2003rd)

PROJECT TITLE:	<u>Ancala Village Townhomes</u>	ZONE MAP/DRG #:	<u>F 21/ D 76</u>
DRB#: <u>1003749</u>	EPC #: _____	W.O.#: _____	
LEGAL DESCRIPTION:	<u>Tract B, Unit 2, Academy Square</u>		
CITY ADDRESS:	<u>NW of Juan Tabo and Spain Avenue</u>		
ENGINEERING FIRM:	<u>Mark Goodwin & Associates, PA</u>	CONTACT:	<u>Diane Hoelzer, PE</u>
ADDRESS:	<u>PO Box 90606</u>	PHONE:	<u>828-2200</u>
CITY, STATE:	<u>Albuquerque, NM</u>	ZIP CODE:	<u>87199</u>
OWNER:	<u>Alpha Equities LLC</u>	CONTACT:	<u>Scott Ashcraft</u>
ADDRESS:	<u>501 3rd Street</u>	PHONE:	<u>922-9411</u>
CITY, STATE:	<u>Albuquerque, NM</u>	ZIP CODE:	<u>87184</u>
ARCHITECT:	_____	CONTACT:	_____
ADDRESS:	_____	PHONE:	_____
CITY, STATE:	_____	ZIP CODE:	_____
SURVEYOR:	<u>Aldrich Land Surveying</u>	CONTACT:	<u>Tim Aldrich</u>
ADDRESS:	<u>P.O. Box 30701</u>	PHONE:	<u>884-1990</u>
CITY, STATE:	<u>Albuquerque, NM</u>	ZIP CODE:	<u>87190-0701</u>
CONTRACTOR:	_____	CONTACT:	_____
ADDRESS:	_____	PHONE:	_____
CITY, STATE:	_____	ZIP CODE:	_____

CHECK TYPE OF SUBMITTAL:

- | | | |
|-------------------------------------|--|--------------|
| <input checked="" type="checkbox"/> | DRAINAGE REPORT | |
| <input type="checkbox"/> | DRAINAGE PLAN 1 ST SUBMITTAL, req. TCL or equal | |
| <input type="checkbox"/> | DRAINAGE PLAN RESUBMITTAL | |
| <input type="checkbox"/> | CONCEPTUAL GRADING & DRAINAGE PLAN | |
| <input checked="" type="checkbox"/> | GRADING PLAN | <i>Resub</i> |
| <input type="checkbox"/> | EROSION CONTROL PLAN | |
| <input type="checkbox"/> | ENGINEER'S CERTIFICATION (HYDROLOGY) | |
| <input type="checkbox"/> | CLOMR/LOMR | |
| <input type="checkbox"/> | TRAFFIC CIRCULATION LAYOUT (TCL) | |
| <input type="checkbox"/> | ENGINEER'S CERTIFICATION (TCL) | |
| <input type="checkbox"/> | ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN) | |
| <input type="checkbox"/> | OTHER | |

CHECK TYPE OF APPROVAL SOUGHT:

- | | | |
|-------------------------------------|--|--|
| | SIA / FINANCIAL GUARANTEE RELEASE | |
| <input checked="" type="checkbox"/> | PRELIMINARY PLAT APPROVAL | |
| <input type="checkbox"/> | S. DEV. PLAN FOR SUB'D. APPROVAL | |
| <input type="checkbox"/> | S. DEV. PLAN FOR BLDG. PERMIT APPROVAL | |
| <input type="checkbox"/> | SECTOR PLAN APPROVAL | |
| <input type="checkbox"/> | FINAL PLAT APPROVAL | |
| <input type="checkbox"/> | FOUNDATION PERMIT APPROVAL | |
| <input type="checkbox"/> | BUILDING PERMIT APPROVAL | |
| <input type="checkbox"/> | CERTIFICATE OF OCCUPANCY (PERM) | |
| <input type="checkbox"/> | CERTIFICATE OF OCCUPANCY (TEMP) | |
| <input checked="" type="checkbox"/> | GRADING PERMIT APPROVAL | |
| <input type="checkbox"/> | PAVING PERMIT APPROVAL | |
| <input type="checkbox"/> | WORK ORDER APPROVAL | |
| <input type="checkbox"/> | OTHER (specify) _____ | |

WAS A PRE-DESIGN CONFERENCE ATTENDED?

- | | | |
|-------------------------------------|---------------|--|
| | YES | |
| <input checked="" type="checkbox"/> | NO | |
| <input type="checkbox"/> | COPY PROVIDED | |

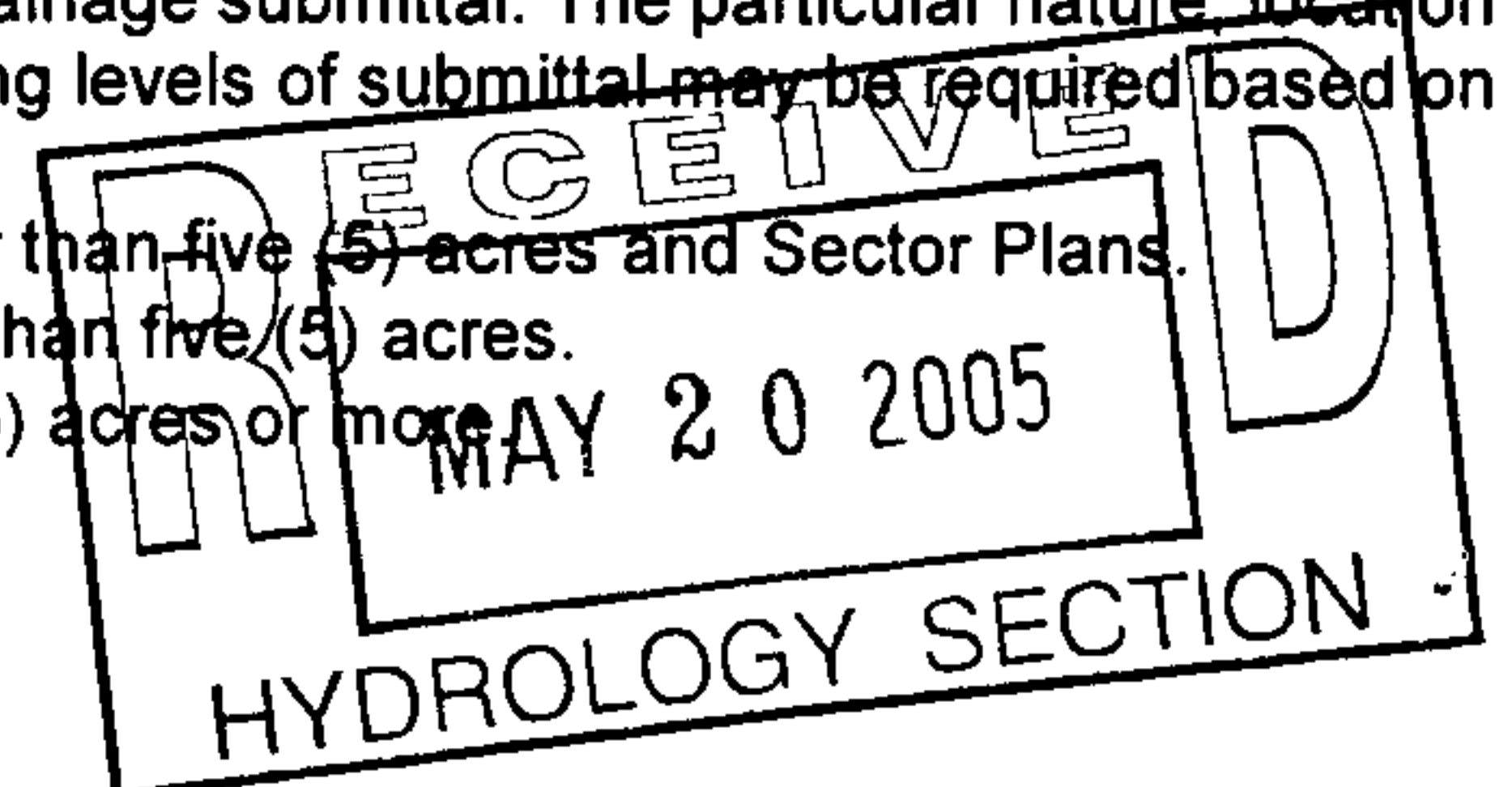
DATE SUBMITTED: May 20, 2005

BY: _____

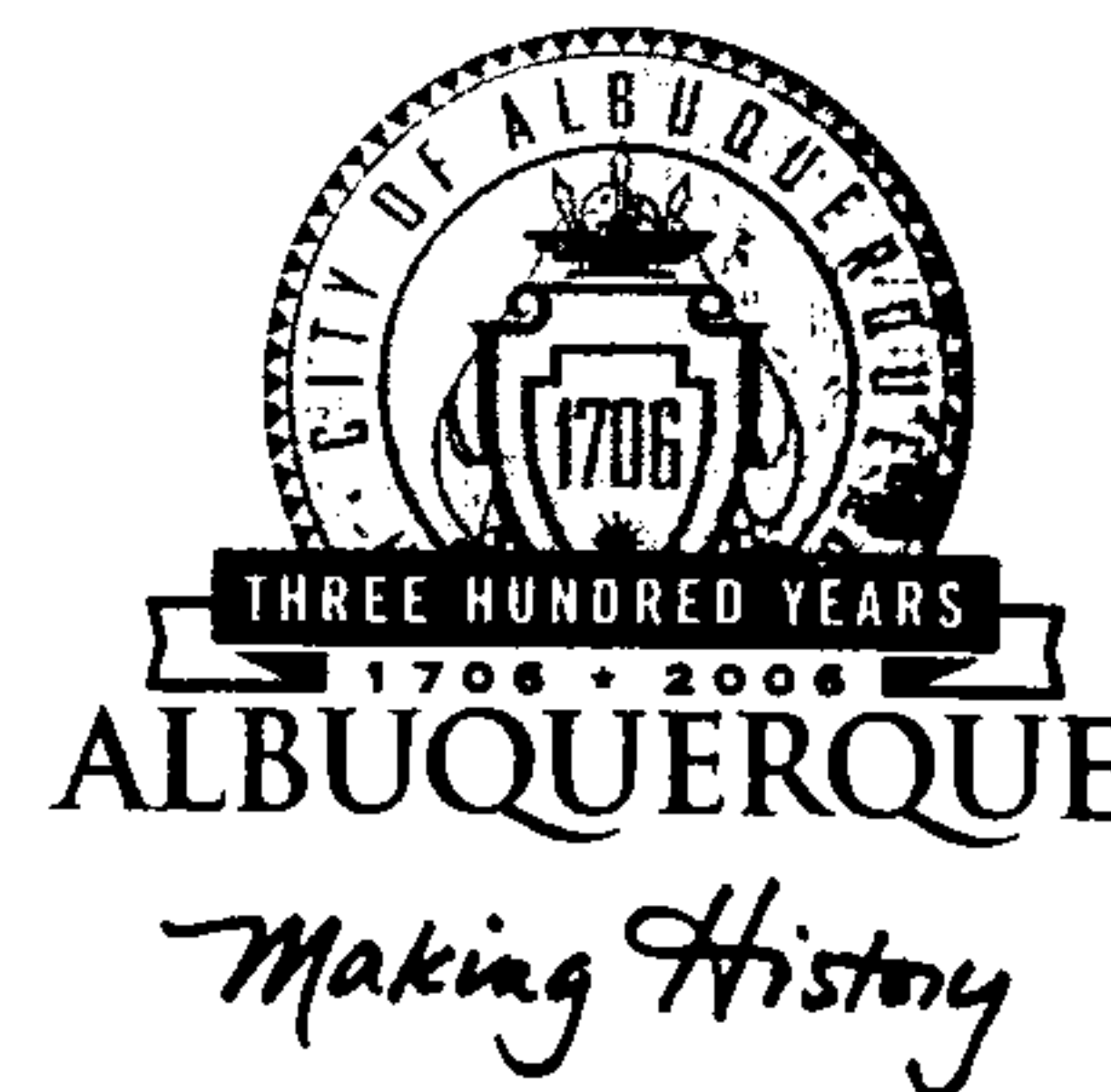
Diane Hoelzer
Diane Hoelzer, PE

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.



CITY OF ALBUQUERQUE



May 5, 2005

Diane Hoelzer, P.E.
Mark Goodwin & Associates, P.A.
P.O. Box 90606
Albuquerque, NM 87119

**Re: Ancala Village Townhomes, Tract B, Unit 2, Academy Square
Drainage Management Plan - Engineer Stamp date 3-24-05 (F21/D76)**

Dear Ms. Hoelzer,

Based on information provided in your submittal dated 4-20-05, the above referenced report is approved for Preliminary Plat action by the DRB. Once that board has approved the plan, please submit a mylar copy of the grading plan for my signature in order to obtain a Grading Permit.

P.O. Box 1293

Prior to Final Plat or Work order, please address the following comments:

Albuquerque

- Increase the size of the sidewalk culvert to 2'-0" and add to Infrastructure List.
- Detail backyard concrete channel so that it is independent of the garden wall.

New Mexico 87103

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. Refer to the attachment that is provided with this letter for details. If you have any questions please feel free to call the Municipal Development Department Hydrology section at 768-3654 (Charles Caruso).

www.cabq.gov

If you have any questions, you can contact me at 924-3990.

Sincerely,

Phillip J. Lovato, E.I.
Associate Engineer, Planning Department
Development and Building Services

C: Chuck Caruso, CoA
file

(REV. 1/28/2003rd)

PROJECT TITLE:		Ancala Village Townhomes		ZONE MAP/DRG #:		F-21/ <u>D76</u>	
DRB#:		EPC #:		W.O.#:			
LEGAL DESCRIPTION:		Tract B, Unit 2, Academy Square					
CITY ADDRESS:		NW of Juan Tabo and Spain Avenue					
ENGINEERING FIRM:		Mark Goodwin & Associates, PA		CONTACT:		Diane Hoelzer, PE	
ADDRESS:		PO Box 90606		PHONE:		828-2200	
CITY, STATE:		Albuquerque, NM		ZIP CODE:		87199	
OWNER:		Alpha Equities LLC		CONTACT:		Scott Ashcraft	
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ARCHITECT:				CONTACT:			
ADDRESS:				PHONE:			
CITY, STATE:				ZIP CODE:			
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CITY, STATE:		Albuquerque, NM		ZIP CODE:		87190-0701	
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ADDRESS:				PHONE:			
CITY, STATE:				ZIP CODE:			

CHECK TYPE OF SUBMITTAL:

X	DRAINAGE REPORT
	DRAINAGE PLAN 1 ST SUBMITTAL, req. TCL or equal
	DRAINAGE PLAN RESUBMITTAL
	CONCEPTUAL GRADING & DRAINAGE PLAN
X	GRADING PLAN
	EROSION CONTROL PLAN
	ENGINEER'S CERTIFICATION (HYDROLOGY)
	CLOMR/LOMR
	TRAFFIC CIRCULATION LAYOUT (TCL)
	ENGINEER'S CERTIFICATION (TCL)
	ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
	OTHER

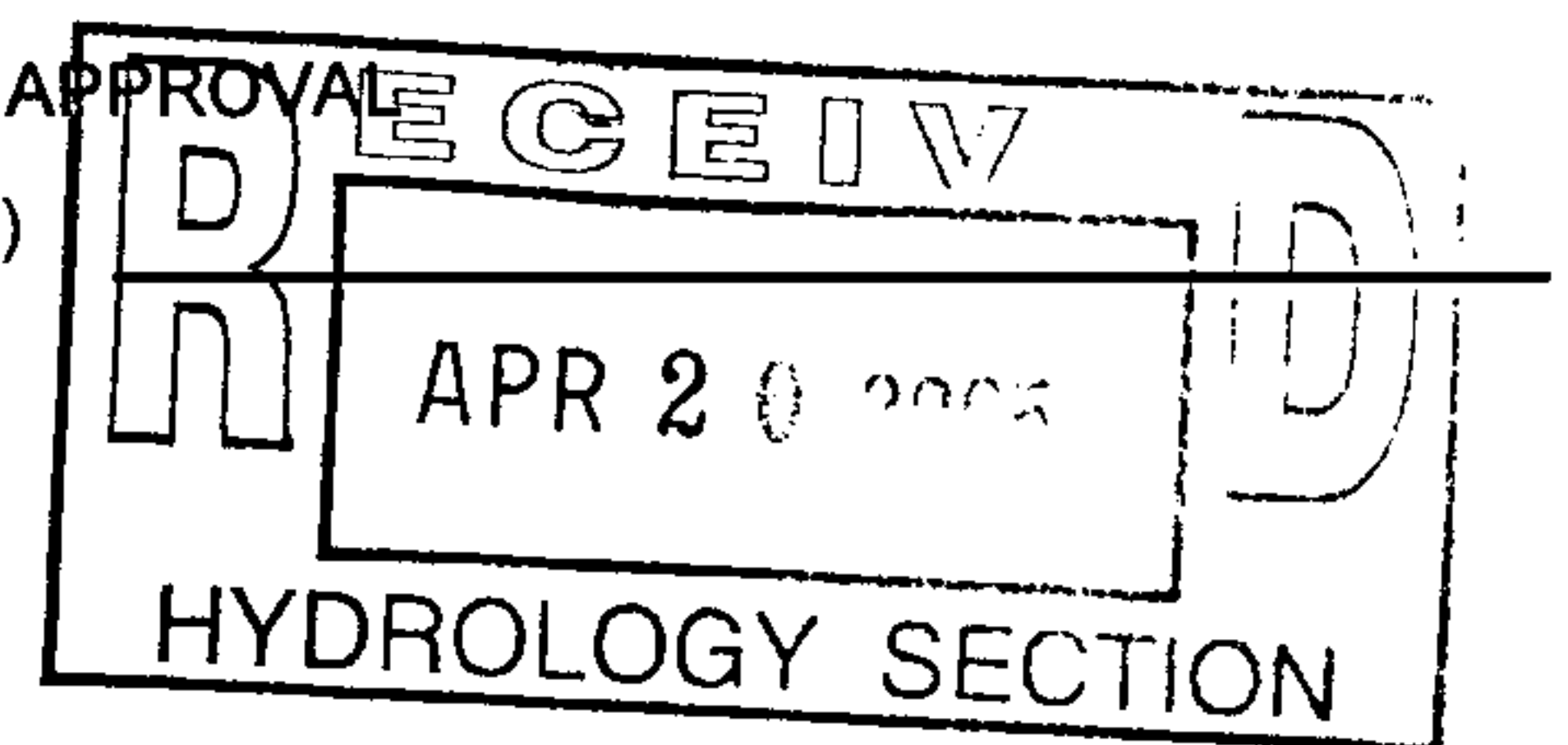
WAS A PRE-DESIGN CONFERENCE ATTENDED?

YES
X NO
COPY PROVIDED

DATE SUBMITTED: April 20, 2005

CHECK TYPE OF APPROVAL SOUGHT:

	SIA / FINANCIAL GUARANTEE RELEASE
X	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)
X	GRADING PERMIT APPROVAL
	PAVING PERMIT APPROVAL
	WORK ORDER APPROVAL
	OTHER (specify) _____

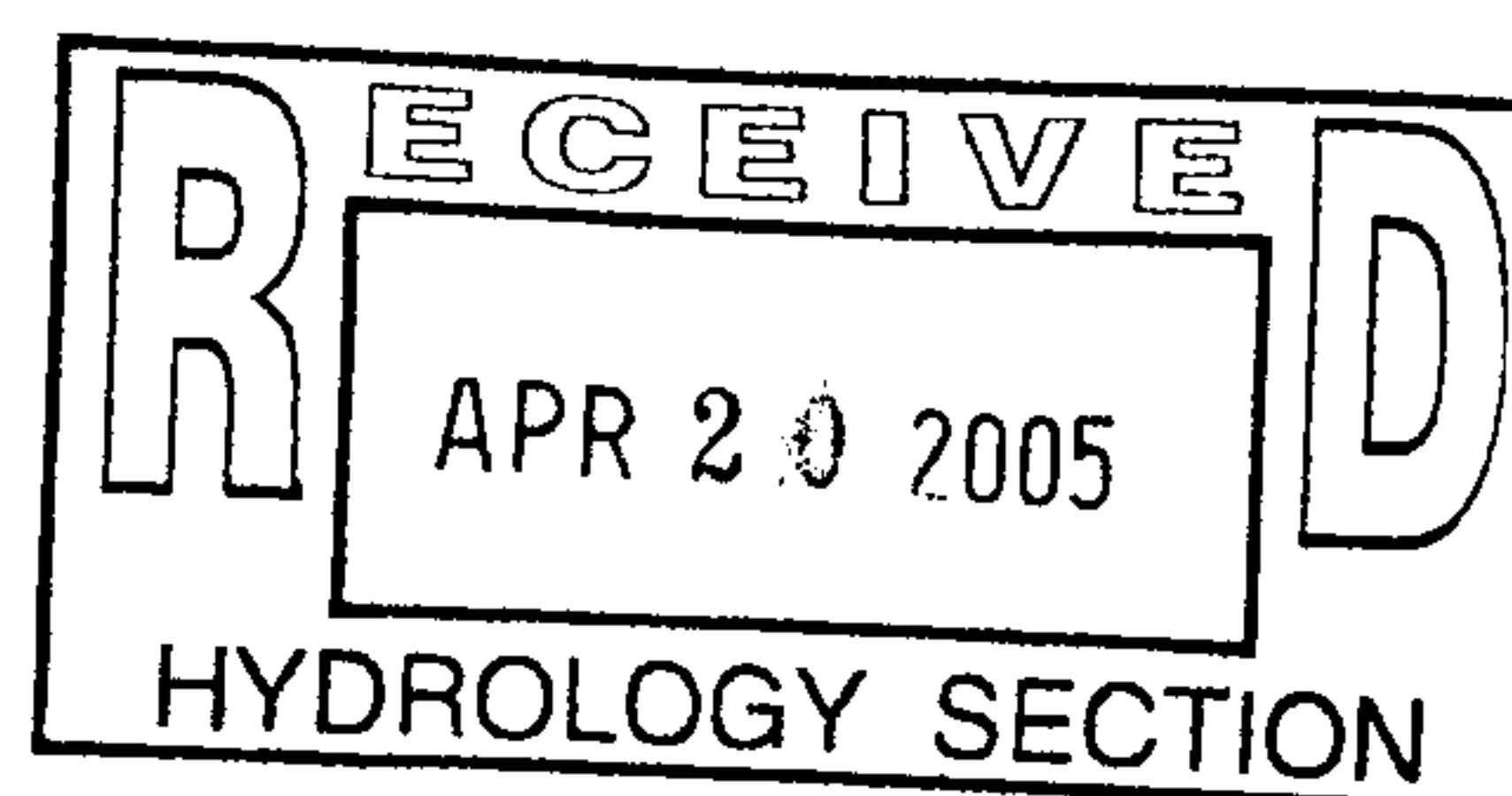
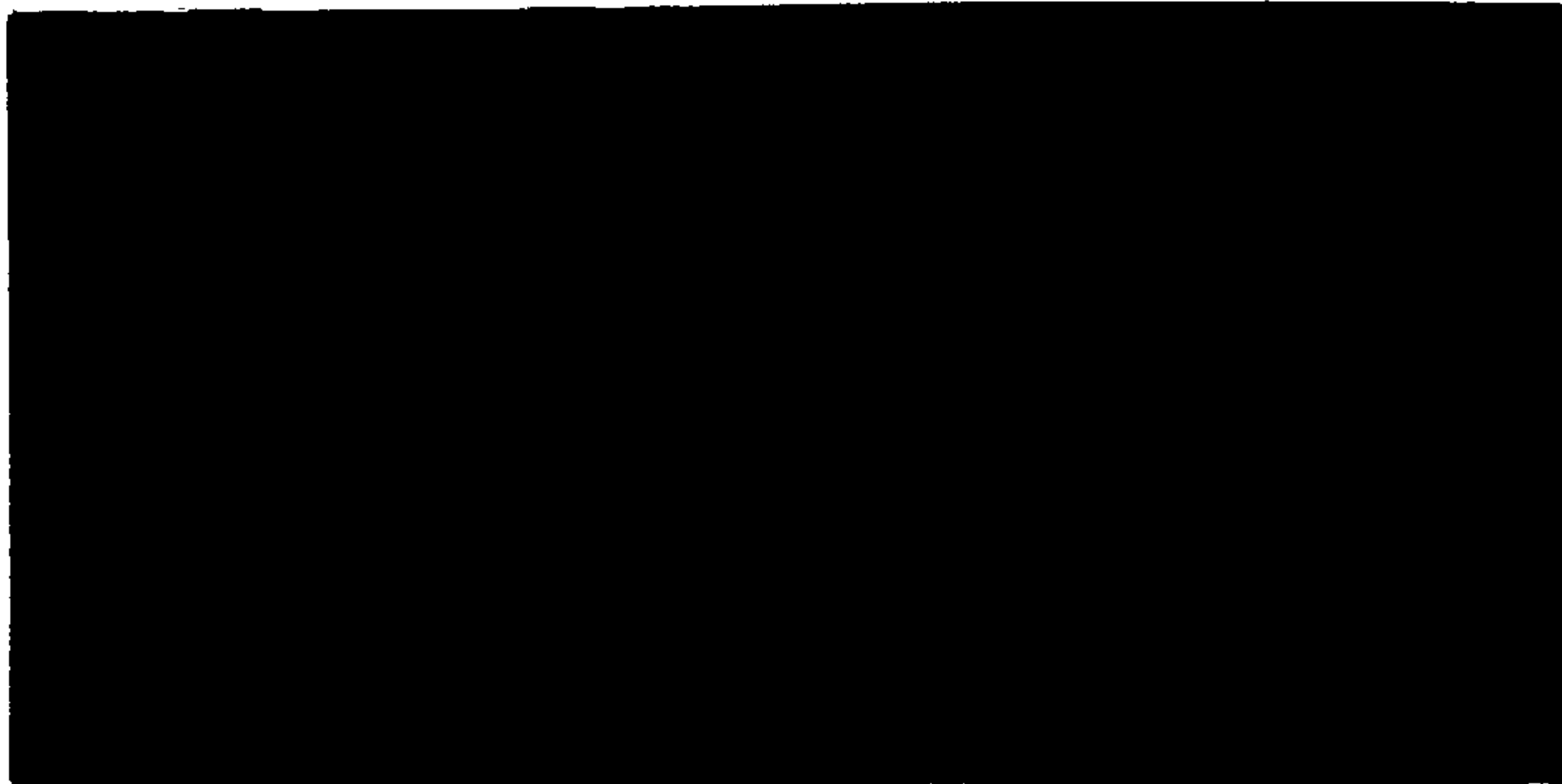


BY:

Diane Hoelzer, PE

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3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



MARK GOODWIN

& ASSOCIATES
CONSULTING ENGINEERS

dmg

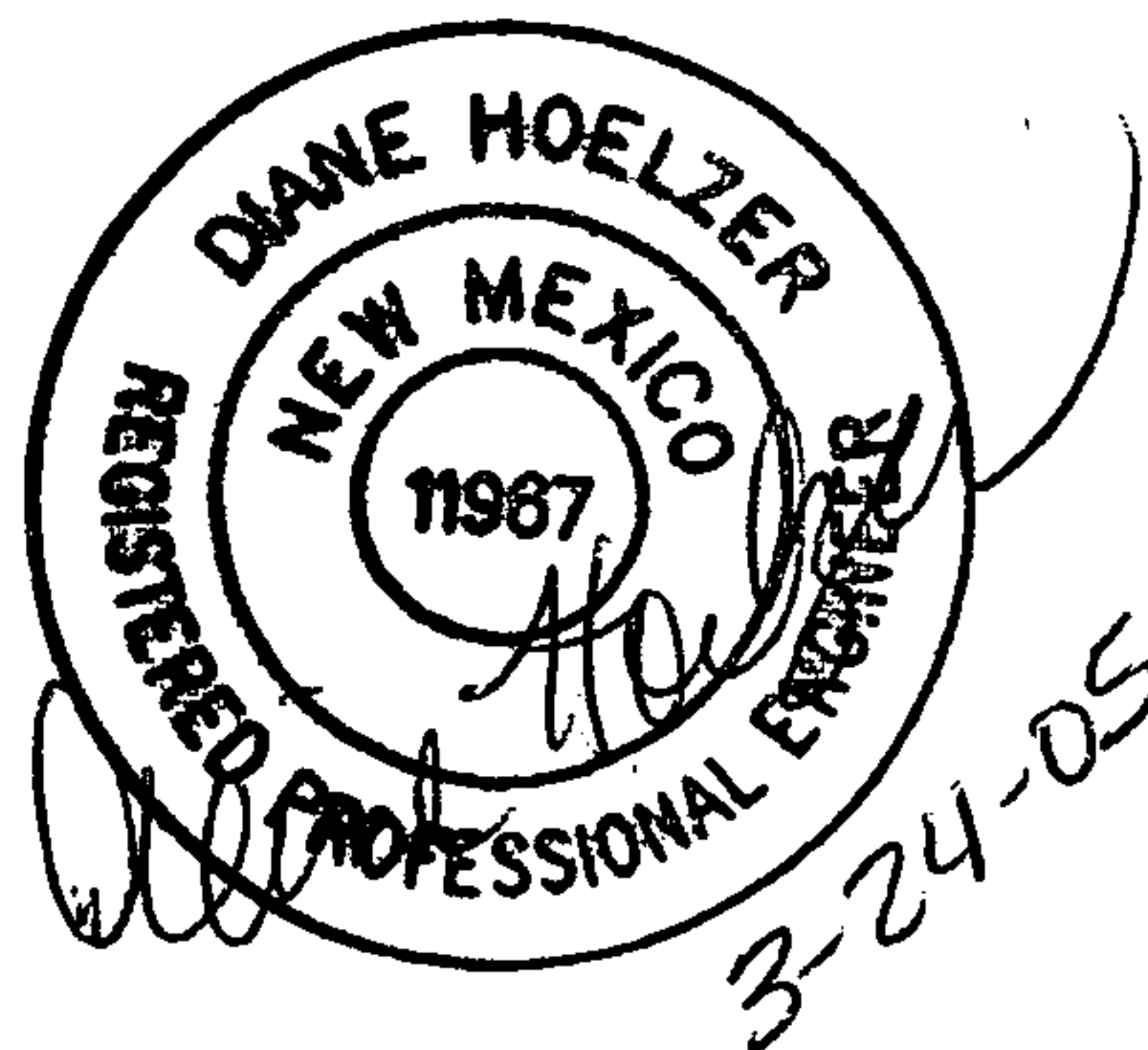
DRAINAGE MANAGEMENT PLAN

For

ANCALA VILLAGE

TOWNHOME PROJECT

Prepared for:
Alpha Equities, LLC



Prepared by
Diane Hoelzer, PE
Mark Goodwin & Associates, P.A.

March 24, 2005

Ancala Village

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III. DEVELOPED DRAINAGE CONDITIONS

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FIGURE 4 HYDROLOGY - AHYMO PRINTOUT

FIGURE 5 HYDRAULICS (HEC-2) STREET CAPACITY

FIGURE 6 DRAINAGE CHANNEL / RETAINING WALL PROFILE

POCKET 1 GRADING & DRAINAGE PLAN (1 sheet)

POCKET 2 RELIMINARY PLAT (1 sheet)

I. PROJECT DESCRIPTION

The proposed Ancala Village will consist of 16 single family patio homes with a zero lot line offset along the north property line.

The project site is located adjacent to the east side of Juan Tabo just south of Spain Avenue and covers an approximate area of 2.2 acres. The site is bounded by Juan Tabo to the west, an existing driveway to the north, an existing subdivision and retaining wall to the east and an existing parking lot and building structure to the south.

II. DESIGN CRITERIA AND PREVIOUS REPORTS

The design criteria used in this report was in accordance with Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria, January 1993 edition. The 100-year 6-hour storm event was analyzed to determine street capacities using $P(1 \text{ hr}) = 2.18"$, $P(6 \text{ hr}) = 2.65"$, $P(24 \text{ hr}) = 3.15"$. The onsite Land Treatment values used were using "Table A-5 Percent Treatment D" in the DPM. AHYMO printouts are provided in Figure 4.

III. EXISTING DRAINAGE CONDITIONS

The project site is currently undeveloped and in a natural but disturbed state. There are no significant offsite flows that enter this project site. Runoff from the project site under existing drainage conditions flows in a general northwestward direction.

IV. DEVELOPED DRAINAGE CONDITIONS

The 100 year peak discharge from this site is 10 cfs. Since this is an infill site and a relatively small increase in discharge it is proposed to have free discharge into Juan Tabo. Under developed drainage conditions runoff will be directed to Ancala Place as surface runoff both from the roof and the backyards along the east side. As a result of the significant grade differential across the project site it is proposed to drain the backyards of the western lots to the west and into a 1.0' wide private channel to be maintained by each of the adjacent property owners. It is proposed to have a 2 to 5 foot retaining wall along the Juan Tabo / project site property line with a five foot offset garden wall with the channel located within the 5' separation. This design should facilitate in ease of maintenance for all properties dependent on the functional use of this private drainage channel. Refer to the grading and drainage plan for details on the wall and channel interface and Figure 6 for preliminary profile of the wall and channel.

INFRASTRUCTURE LIST

Date Site Plan Approved:

Date Preliminary Plat Approved:

Date Preliminary Plat Expires:

DRB Project No.: 1000072

DRB Application No.:

EXHIBIT "A"

TO SUBDIVISION IMPROVEMENTS AGREEMENT

DEVELOPMENT REVIEW BOARD (D.R.B.) REQUIRED INFRASTRUCTURE LIST

ANCALA VILLAGE

PROPOSED NAME OF PLAT AND/OR SITE DEVELOPMENT PLAN

Academy Square, Tract B, Elena Gallegos Grant

EXISTING LEGAL DESCRIPTION PRIOR TO PLATTING ACTION

Following is a summary of PUBLIC/PRIVATE Infrastructure required to be constructed or financially guaranteed for the above development. This Listing is not necessarily a complete listing. During the SIA process and/or in the review of the construction drawings, if the DRC Chair determines that appurtenant items and/or unforeseen items have not been included in the infrastructure listing, the DRC Chair may include those items in the listing and related financial guarantee. Likewise, if the DRC Chair determines that appurtenant or non-essential items can be deleted from the listing, those items may be deleted as well as the related portions of the financial guarantees. All such revisions require approval by the DRC Chair, the User Department and agent/owner. If such approvals are obtained, these revisions to the listing will be incorporated administratively. In addition, any unforeseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility will be required as a condition of project acceptance and close out by the City.

SIA Sequence #	COA DRC Project #	Size	Type of Improvement	Location	From	To	Private Inspector	City Inspector	City Cnst Engineer
			PAVING						
		21'23'FF	Res Pvmnt, C & G	Ancala Place	Ancala Ave	Lot 2	/	/	/
		4'	6' Median						
			Sidewalk (Both Sides) ⁽¹⁾						
		26' FF	Res Pvmnt. (incl 35' R cul-de-sac)	Ancala Place	Lot 2	Lot 8 & 9	/	/	/
			C & G						
		4'	Sidewalk (both sides) ⁽¹⁾						
			WATER ⁽²⁾						
		6"	Water line	Ancala Ave	Juan Tabo	Ancala Place	/	/	/
		6"	Water line	Ancala Place	Ancala Ave	15' Esmt, Lot 8	/	/	/
		6"	Water line	15' Esmt, Lot 8	Ancala Place	Juan Tabo	/	/	/
			SANITARY SEWER ⁽³⁾						
		8"	SAS	Ancala Ave	Exist MH in	Ancala Place	/	/	/
		8"	SAS	Ancala Place	Juan Tabo	Lot 8 / 9	/	/	/
			STORM DRAIN						
		1'	Conc. Channel	Back Yard	Tract A	Lot 8	/	/	/

EASEMENT

2'-0" SIDEWALK CULVERT

- 1 Sidewalks to be deferred.
- 2 Water Infrastructure to include valves, fittings, and firehydrants.
- 3 SAS Infrastructure to include manholes and service connections.
- 4 Street lights per DPM.
- 5 Grading and Drainage certification required per DPM (prior to Release of financial guaranty) to include walls as defined on the approved Grading Plan.

AGENT / OWNER

DEVELOPMENT REVIEW BOARD MEMBER APPROVALS

Diane Hoelzer, PE

NAME (print)

DRB CHAIR - date

PARKS & GENERAL SERVICES - date

MARK GOODWIN & ASSOCIATES

FIRM


3-24-05

SIGNATURE - date

TRANSPORTATION DEVELOPMENT - date

AMAFCA - date

UTILITY DEVELOPMENT - date

- date

MAXIMUM TIME ALLOWED TO CONSTRUCT
THE IMPROVEMENTS WITHOUT A DRB

EXTENSION: N/A

CITY ENGINEER - date

- date

DESIGN REVIEW COMMITTEE REVISIONS

REVISION	DATE	DRC CHAIR	USER DEPARTMENT	AGENT / OWNER

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ANCALA.dat

- VERSION: 1997.02d RUN

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(HOURS)		NOTATION				(INCHES)

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 COMPUTE NM HYD 100.10 - 1 .00347 10.04 .375 2.02218
 1.500 4.514 PER IMP= 70.00
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 ***** ZONE ATLAS: F-21
 ***** 100-YEAR 6-HOUR STORM EVENT
 ***** FILE: ANCALA.DAT
 ***** MAR 2005 DLH
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 RAIN ONE=2.18 IN RAIN SIX=2.65 IN
 RAIN DAY=3.15 IN DT=0.03333 HR

 ***** PROJECT SITE AREA: 2.2233 ACRES

 ***** EXISTING DEVELOPED CONDITIONS

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 PRINT HYD ID=1 CODE=1

 ***** DEVELOPED CONDITIONS

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 TP=0.1333 HR MASS RAINFALL=-1
 PRINT HYD ID=1 CODE=1
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* Version 4.6.2; May 1991 *
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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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X X XXXXXXX XXXXX
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X X X X X
X X X X X

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HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991
*****

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T2 26'FF STD CURB 2% CROSS SLOPE
T3

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QT	2	4.00	10.0					
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GR	.87	0	.67	8.9	0	9	.125	11
GR	.69	35	1.36	35.1	1.56	44		.565

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

```

CCHV= .100 CEHV= .300
*SECNO 1.000

```

```

2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED
1.000 .32 .32 .35 .00 .43 .11 .00 .00 .87

```

Figure 5 Hydraulics - HEC-2 Street Capacity

4.0	.0	4.0	.0	.0	1.5	.0	.0	.0	1.56
.00	.00	2.71	.00	.000	.017	.000	.000	.00	8.95
.015825	0.	0.	0.	0	15	7	.00	11.82	20.77

T1
T2
T3

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	3	0	1	.01586					
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2	0	-1	0	0	0	0	0	0	0
	SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
	Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
	TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
	SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 2

CCHV= .100 CEHV= .300
*SECNO 1.000
2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

1.000	.42	.42	.47	.00	.60	.18	.00	.00	.87
10.0	.0	10.0	.0	.0	3.0	.0	.0	.0	1.56
.00	.00	3.38	.00	.000	.017	.000	.000	.00	8.94
.015837	0.	0.	0.	0	8	5	.00	16.97	25.91

THIS RUN EXECUTED 21MAR05 14:22:55

HEC-2 WATER SURFACE PROFILES
Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SUMMARY PRINTOUT

SECNO	Q	CWSEL	CRIWS	VCH	TOPWID	FRCH	EG
1.000	4.00	.32	.35	2.71	11.82	1.35	.43
1.000	10.00	.42	.47	3.38	16.97	1.43	.60

SUMMARY OF ERRORS AND SPECIAL NOTES

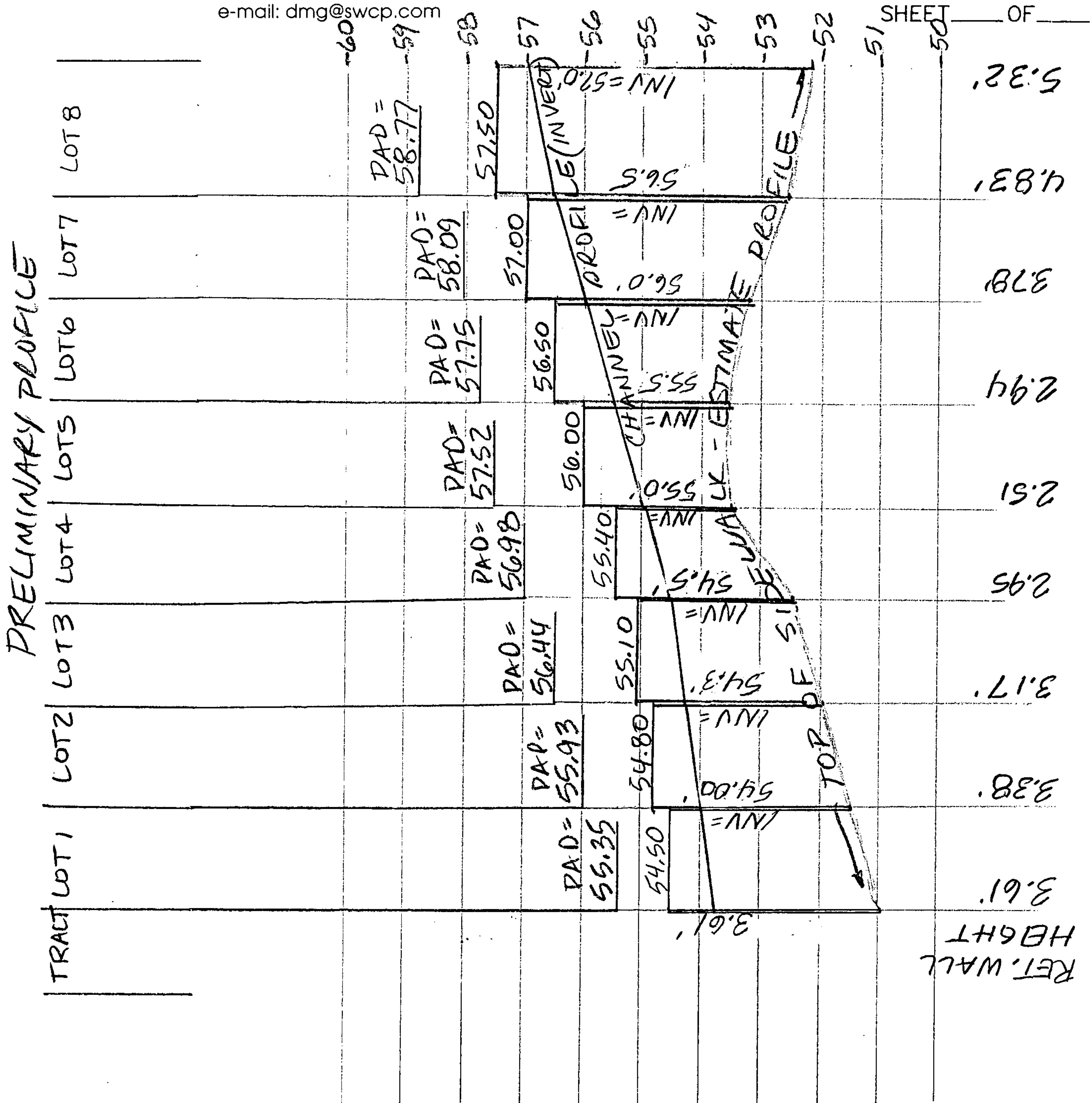


Figure 6 Drainage channel / retaining wall profile