



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

***Planning Department
Transportation Development Services Section***

August 5, 2003

Laurence Breen, Registered Architect
13604 Rebonito Courte NE
Albuquerque, NM 87112

Re: Certification Submittal for Final Building Certificate of Occupancy for
Faith Lutheran Church, [F-217/D19A]
10000 Spain Rd NE
Architect's Stamp Dated 07/21/03

Dear Mr. Breen:

The TCL / Letter of Certification submitted on August 4, 2003 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

Sincerely,

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

c: Engineer
Hydrology file
CO Clerk

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Faith Lutheran Church ZONE MAP/DRG. FILE #: F21 D19A
 DRB #: 01510 EPC#: 00289 WORK ORDER#: _____
 Project # 1001758
 LEGAL DESCRIPTION: Tract Z-1-A Academy Place
 CITY ADDRESS: 10000 Spain Rd NE
 ENGINEERING FIRM: Jeff Mordensen & Assoc CONTACT: Damian Luna
 ADDRESS: 6010 Midway Park Blvd NE PHONE: 345-4250
 CITY, STATE: Albuquerque NM ZIP CODE: 87109
 OWNER: Faith Lutheran Church CONTACT: David Breidenbach
 ADDRESS: 10000 Spain Rd PHONE: 296-0762
 CITY, STATE: Albuquerque NM ZIP CODE: 87111
 ARCHITECT: Station 19 and Dorman & Broen CONTACT: Larry Breen
 ADDRESS: 13604 Rebonato Ct NE PHONE: 299-5940
 CITY, STATE: Albuquerque NM ZIP CODE: _____
 SURVEYOR: Jeff Mordensen & Assoc CONTACT: Charles Cala
 ADDRESS: 6010 Midway Park Blvd NE PHONE: 345-4250
 CITY, STATE: Albuquerque NM ZIP CODE: 87109
 CONTRACTOR: Britton Construction Inc CONTACT: Michele Culver
 ADDRESS: PO Box 80194 PHONE: 268-2626
 CITY, STATE: Albuquerque NM ZIP CODE: 87198

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

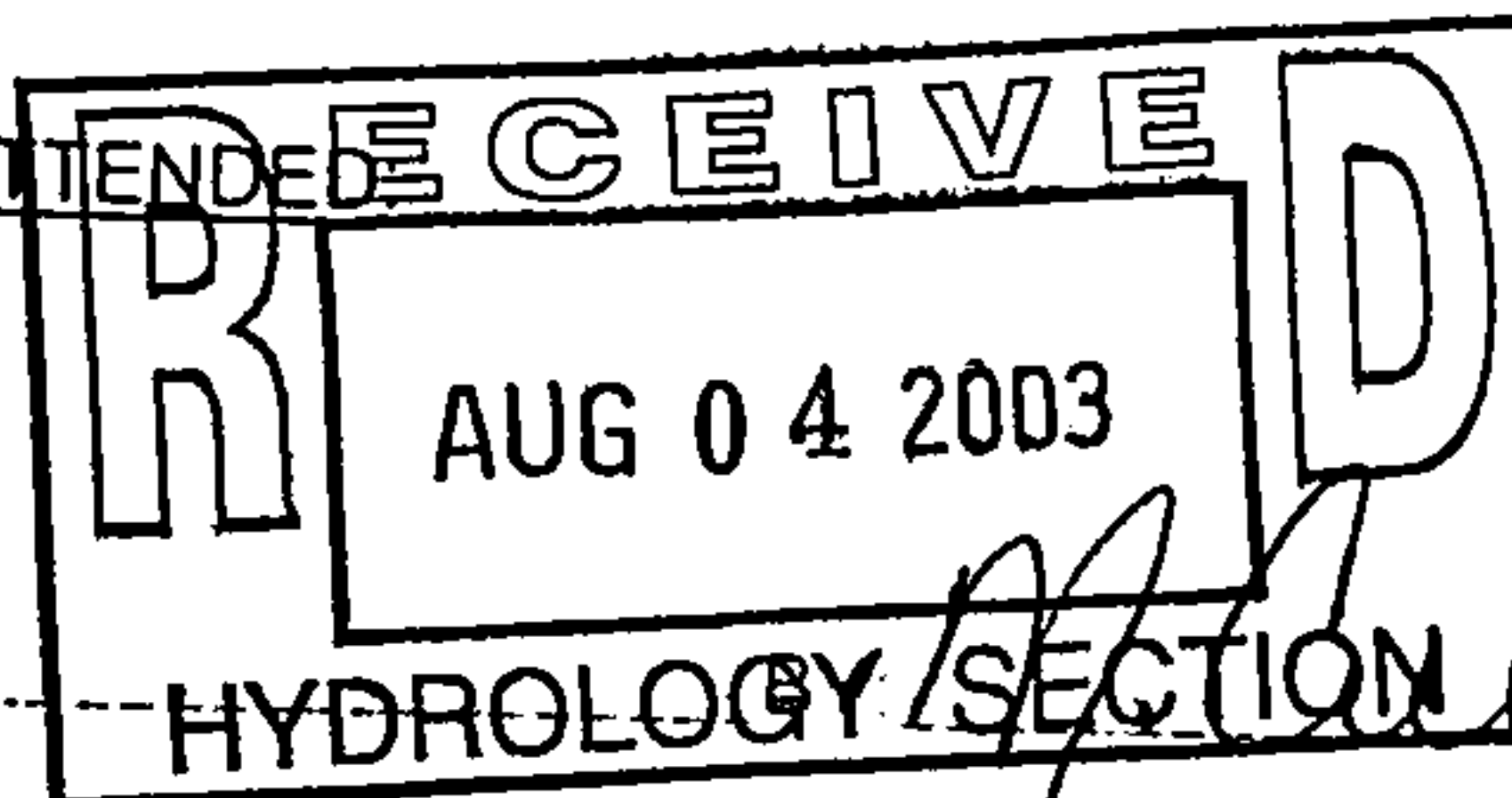
CHECK TYPE OF APPROVAL SOUGHT:

- _____ 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: 8/4/03



HYDROLOGY SECTION

Britton Const

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.



July 21, 2003

Nilo Salgado-Fernandez
Transportation Development Section
Planning Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

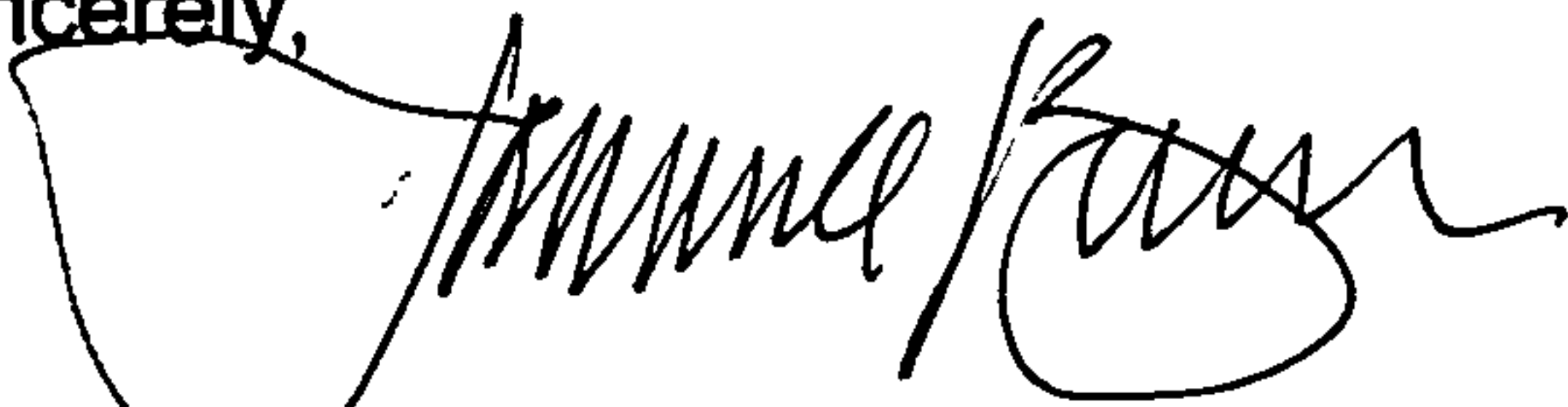
Re: Faith Lutheran Church

Dear Mr. Salgado-Fernandez:

I have reviewed the constructed improvements in the parking lots at Faith Lutheran Church. The improvements have been installed as drawn and are in substantial compliance with the approved DRB site plan. A copy of this site plan is attached.

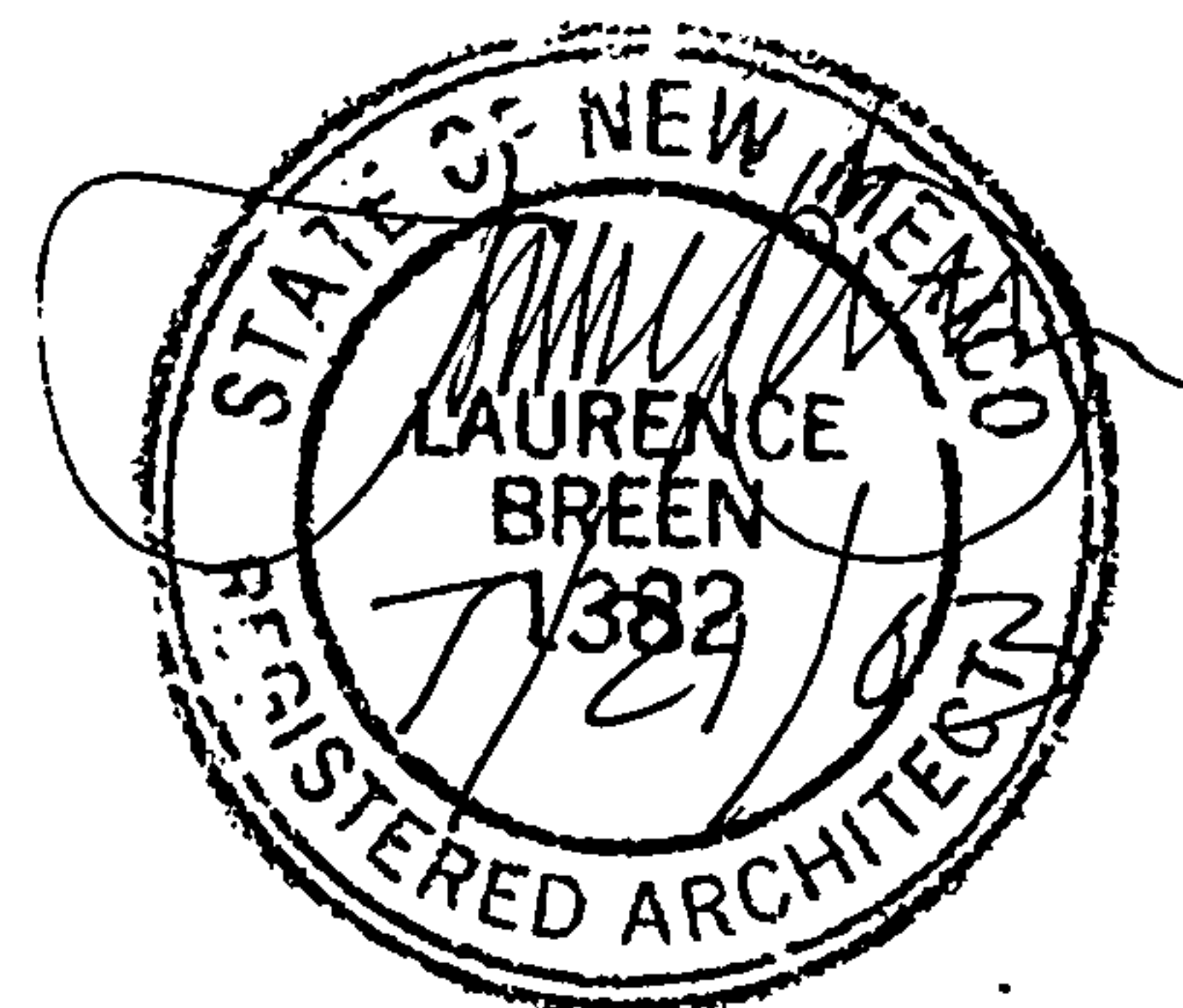
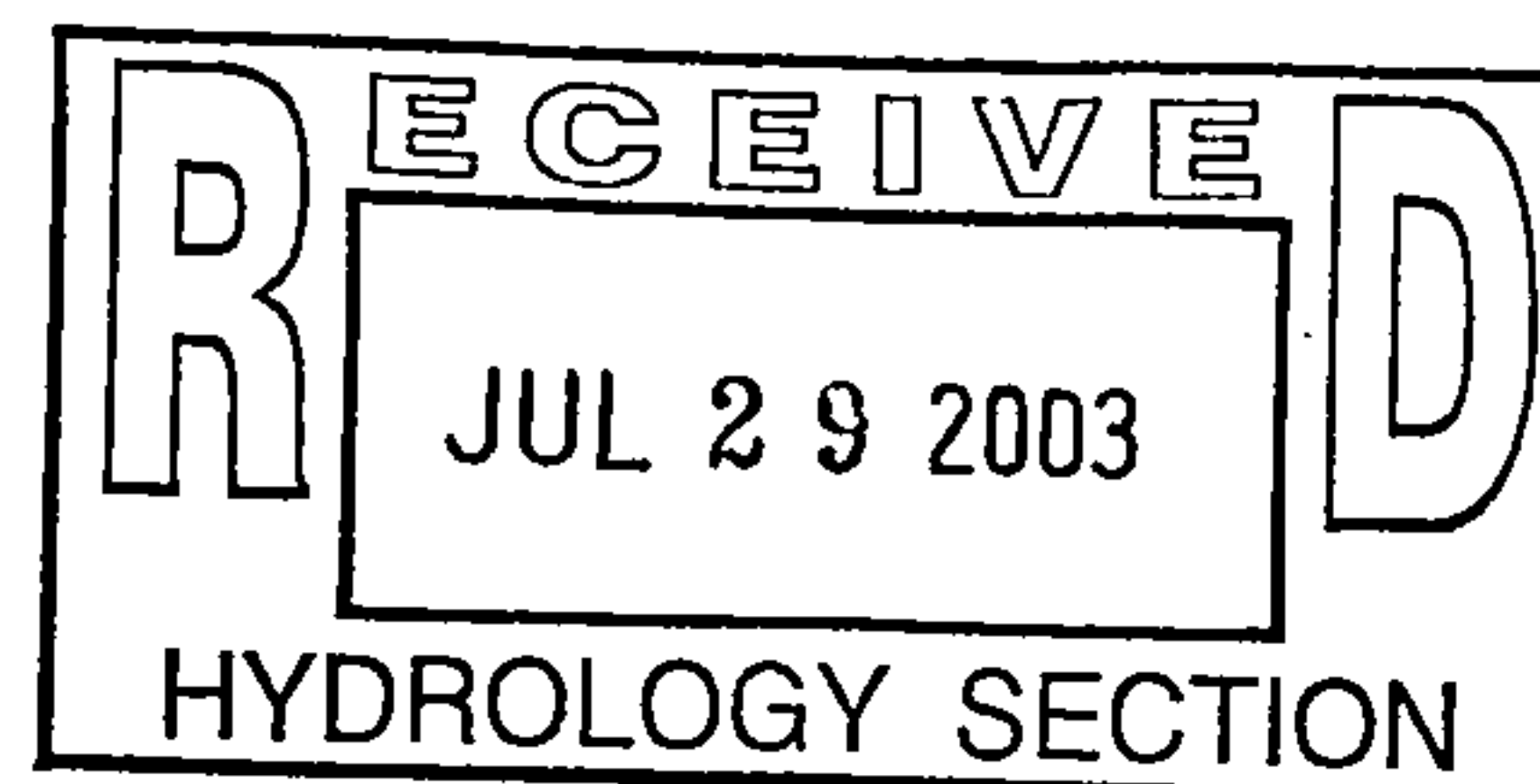
Please call me if you have any questions.

Sincerely,


Laurence Breen, A.I.A.

LB/cs

Enclosure





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 7, 2003

Jeff Mortensen, P.E.
Jeff Mortensen & Assoc.
6010-B Midway Park Blvd NE
Albuquerque, New Mexico 87109

RE: FAITH LUTHERAN CHURCH (F-21/D19A)
(10000 Spain Rd NE)
ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY
ENGINEERS STAMP DATED 10/18/2002
ENGINEERS CERTIFICATION DATED 7/29/2003

Dear Jeff:

Based upon the information provided in your Engineers Certification submittal dated 7/30/2003, the above referenced site is approved for a Permanent Certificate of Occupancy.

If I can be of further assistance, please contact me at 924-3981.

Sincerely,

Teresa A. Martin
Hydrology Plan Checker
Development & Bldg. Services Division
BAB

C: Certificate of Occupancy Clerk, COA
✓ drainage file
approval file

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Faith Lutheran Church ZONE ATLAS/DRNG. FILE #: F-21/D19a
 DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Tract Z-1-A, Academy Place
 CITY ADDRESS: 10000 Spain Rd NE

ENGINEERING FIRM: Jeff Mortensen & Assoc., Inc. CONTACT: Damian G. Luna
 ADDRESS: 6010-B Midway Park Blvd. NE PHONE: (505) 345-4250
 CITY, STATE: Albuquerque, NM ZIP CODE: 87109

OWNER: Faith Lutheran Church CONTACT: John Dufay
 ADDRESS: 10000 Spain Rd NE PHONE: x
 CITY, STATE: Albuquerque, NM ZIP CODE: 87111

ARCHITECT: Station Nineteen / Dorman and Breen CONTACT: Scott Wrasman
 ADDRESS: 13604 Rebonito Court NE PHONE: (505) 299-5440
 CITY, STATE: Albuquerque, NM ZIP CODE: 87112

SURVEYOR: Jeff Mortensen & Assoc., Inc. CONTACT: Charles G. Cala
 ADDRESS: 6010-B Midway Park Blvd. NE PHONE: (505) 345-4250
 CITY, STATE: Albuquerque, NM ZIP CODE: 87109

CONTRACTOR: Britton Construction, Inc. CONTACT: Michelle Culver
 ADDRESS: 304 Indiana SE PHONE: (505) 268-2626
 CITY, STATE: Albuquerque, NM ZIP CODE: 87108

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN (AMENDED)
☐ 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

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)

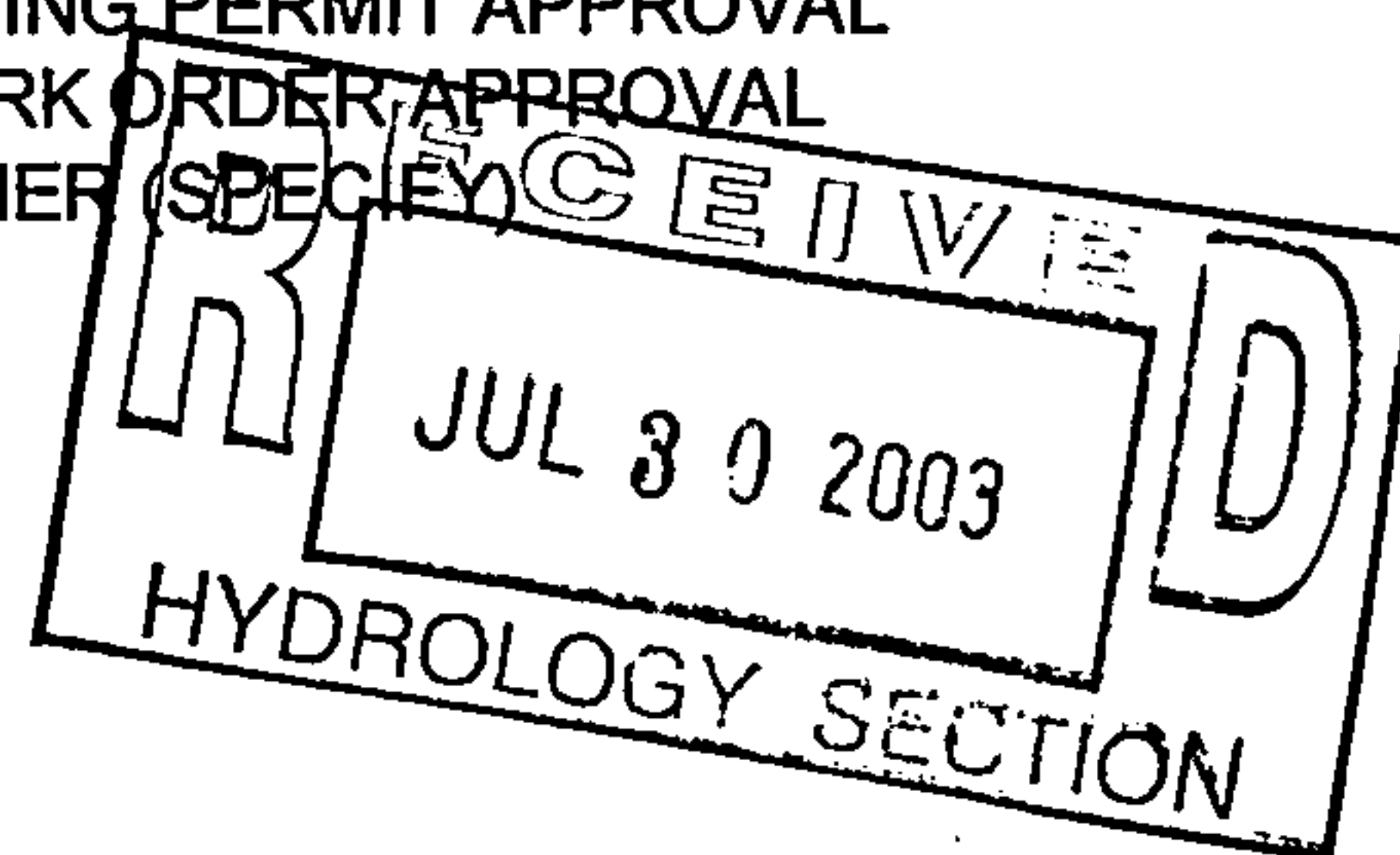
WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
☐ NO
☐ COPY PROVIDED

DATE SUBMITTED: 07/30/2003 BY: Damian G. Luna

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 upon 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

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 14, 2002

Jeff Mortensen, PE
Jeff Mortensen & Associates, Inc
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

**Re: Faith Lutheran Church, Phase 1 Grading and Drainage Plan
Engineer's Stamp dated 10-18-02 (F21/D19A)**

Dear Mr. Mortensen,

Based upon the information provided in your submittal dated 10-18-02, 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.

Prior to Certificate of Occupancy, an Engineer's Certification per the DPM is required.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradley L. Bingham, PE
Sr. Engineer, Planning Dept.
Development and Building Services

C: file

DRAINAGE & TRANSPORTATION INFORMATION SHEET 2001.072.3

PROJECT TITLE: FAITH LUTHERAN CHURCH ZONE MAP/DRG FILE #F-21/D19a

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT Z-1-A, ACADEMY PLACE

CITY ADDRESS: 10000 SPAIN ROAD NE

ENGINEER: JEFF MORTENSEN & ASSOCIATES, INC. CONTACT: JEFF MORTENSEN

ADDRESS: 6010B MIDWAY PARK BLVD NE 87109 PHONE: 345-4250

OWNER: FAITH LUTHERAN CHURCH CONTACT: JOHN DUFAY

ADDRESS: 10000 SPAIN ROAD NE PHONE: X

ARCHITECT: STATION NINETEEN/DORMAN + BREEN CONTACT: LARRY BREEN

ADDRESS: 13604 REBONITO COURT NE PHONE: 299-5940

SURVEYOR: JEFF MORTENSEN & ASSOCIATES, INC. CONTACT: JEFF MORTENSEN

ADDRESS: 6010B MIDWAY PARK BLVD. NE 87109 PHONE: 345-4250

CONTRACTOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: X

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 _____

WAS A PRE-DESIGN CONFERENCE HELD:

☒ YES

☐ NO

☐ COPY PROVIDED

DATE SUBMITTED: _____

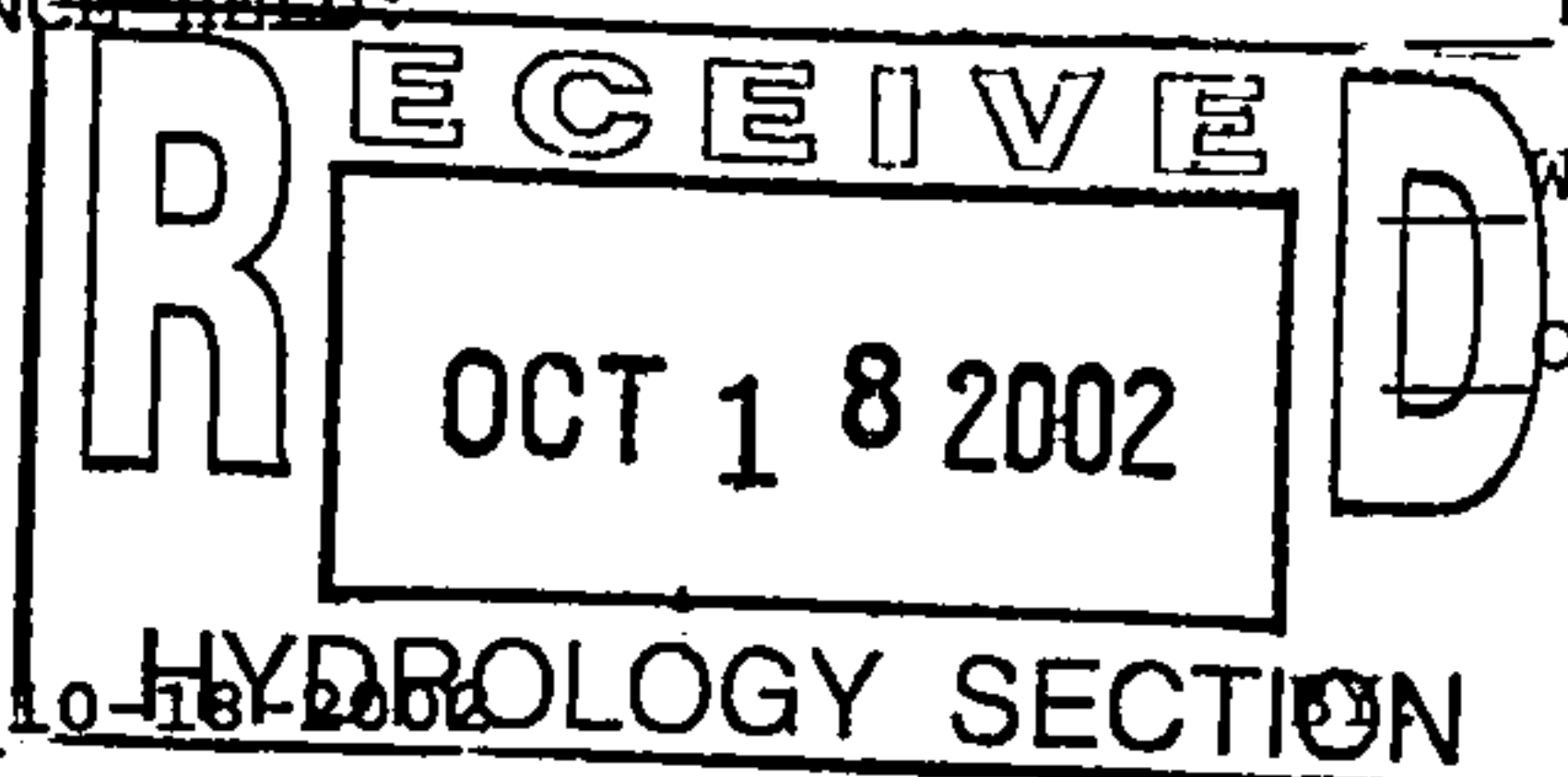
CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA/FINANCIAL GUARANTY 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 APPROVAL (PERM)
- ☐ CERTIFICATE OF OCCUPANCY APPROVAL (TEMP)
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL

WORK ORDER APPROVAL

OTHER: _____ (SPECIFY)

JEFF MORTENSEN



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:

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City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 5, 2002

Jeffrey G. Mortensen, PE
Jeff Mortensen & Associates, INC.
6010B Midway Park Blvd. NE
Albuquerque, NM 87109

**Re: Faith Lutheran Church Grading and Drainage Plan
Engineer's Stamp Dated 2-26-02, (F21/D19A)**

Dear Mr. Mortensen,

Based on your submittal dated 2-27-02, the above referenced plan is approved for Site Plan for Building Permit Action by the DRB.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradley L. Bingham, PE
Sr. Engineer, PWD
Development and Building Services

c: Terri Martin, Hydrology
File (2)

DRAINAGE INFORMATION SHEET 2001.072.2

PROJECT TITLE: FAITH LUTHERAN CHURCH ZONE MAP/DRG FILE #F-21/D19a
DRB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: TRACT Z-1-A, ACADEMY PLACE
CITY ADDRESS: 10000 SPAIN ROAD NE
ENGINEER: JEFF MORTENSEN & ASSOCIATES, INC. CONTACT: JEFF MORTENSEN
ADDRESS: 6010B MIDWAY PARK BLVD NE 87109 PHONE: 345-4250
OWNER: FAITH LUTHERAN CHURCH CONTACT: JOHN DUFAY
ADDRESS: 10000 SPAIN ROAD NE PHONE: X
ARCHITECT: STATION NINETEEN/DORMAN + BREEN CONTACT: SCOTT WRASMAN
ADDRESS: 13604 REBONITO COURT NE PHONE: 299-5940
SURVEYOR: JEFF MORTENSEN & ASSOCIATES, INC. CONTACT: JEFF MORTENSEN
ADDRESS: 6010B MIDWAY PARK BLVD. NE 87109 PHONE: 345-4250
CONTRACTOR: N/A CONTACT: _____
ADDRESS: _____ PHONE: X

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 _____

WAS A PRE-DESIGN CONFERENCE HELD:

☒ YES
☐ NO
☐ COPY PROVIDED

DATE SUBMITTED: 02-27-2002

BY: JEFF MORTENSEN

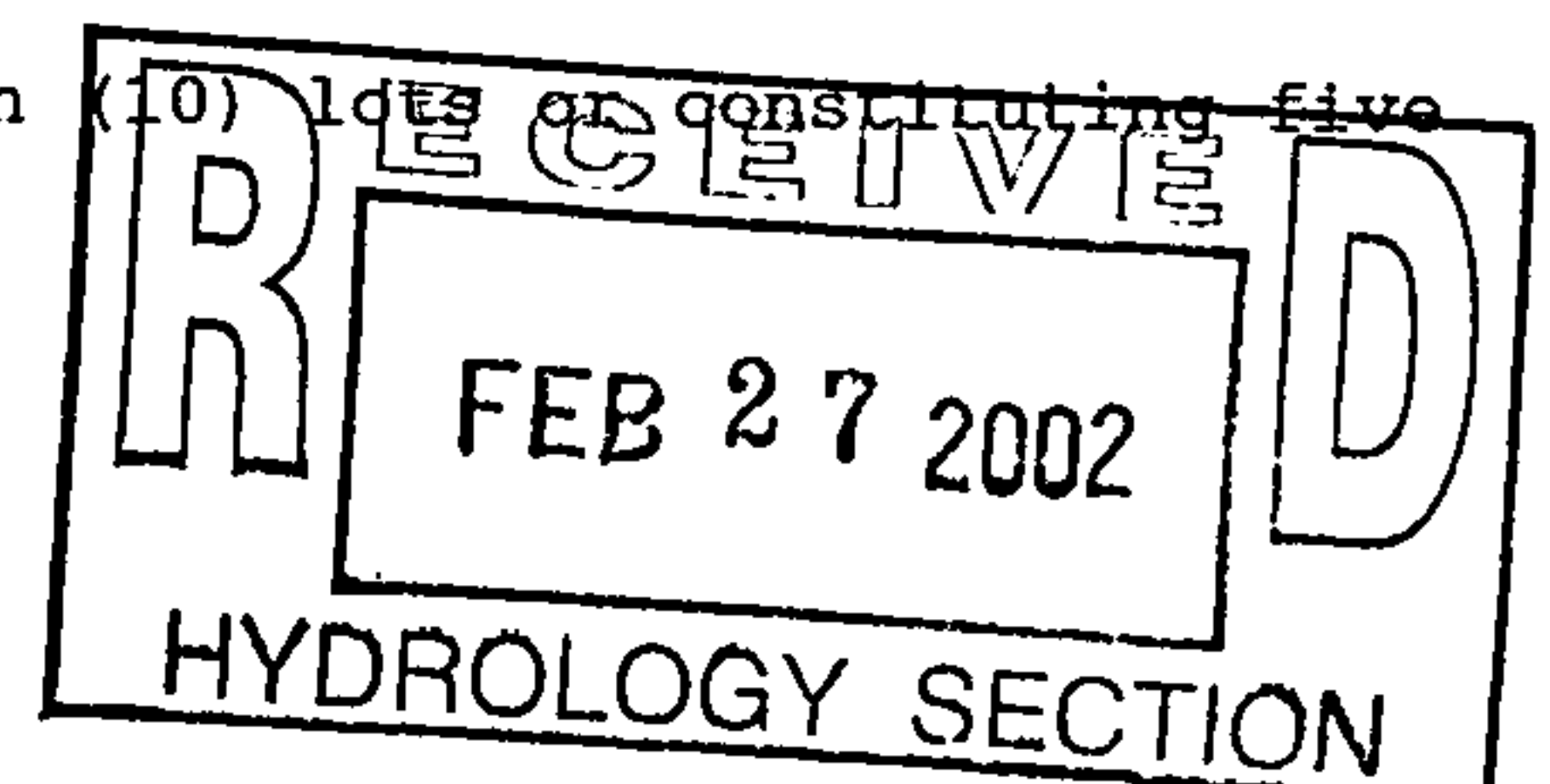
CHECK TYPE OF APPROVAL SOUGHT:

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☐ 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 APPROVAL (PERM)
☐ CERTIFICATE OF OCCUPANCY APPROVAL (TEMP)
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☒ OTHER: EPC & DRB ACTION (SPECIFY)

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:

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REV 11/01/2001



CITY OF ALBUQUERQUE
DEVELOPMENT & BUILDING SERVICES CENTER
PUBLIC WORKS DEPARTMENT/HYDROLOGY

CONFERENCE RECAP (JMA # 2001.072.2)

DRAINAGE FILE/ZONE ATLAS PAGE NUMBER: F-21D19A DATE: 01-23-2002
CROSS REFERENCE NUMBERS: EPC _____ DRB _____ DRC _____
SUBJECT: FAITH LUTHERAN CHURCH
STREET ADDRESS: 10000 SPAIN NE
SUBDIVISION NAME: TRACT Z-1-A, ACADEMY PLACE

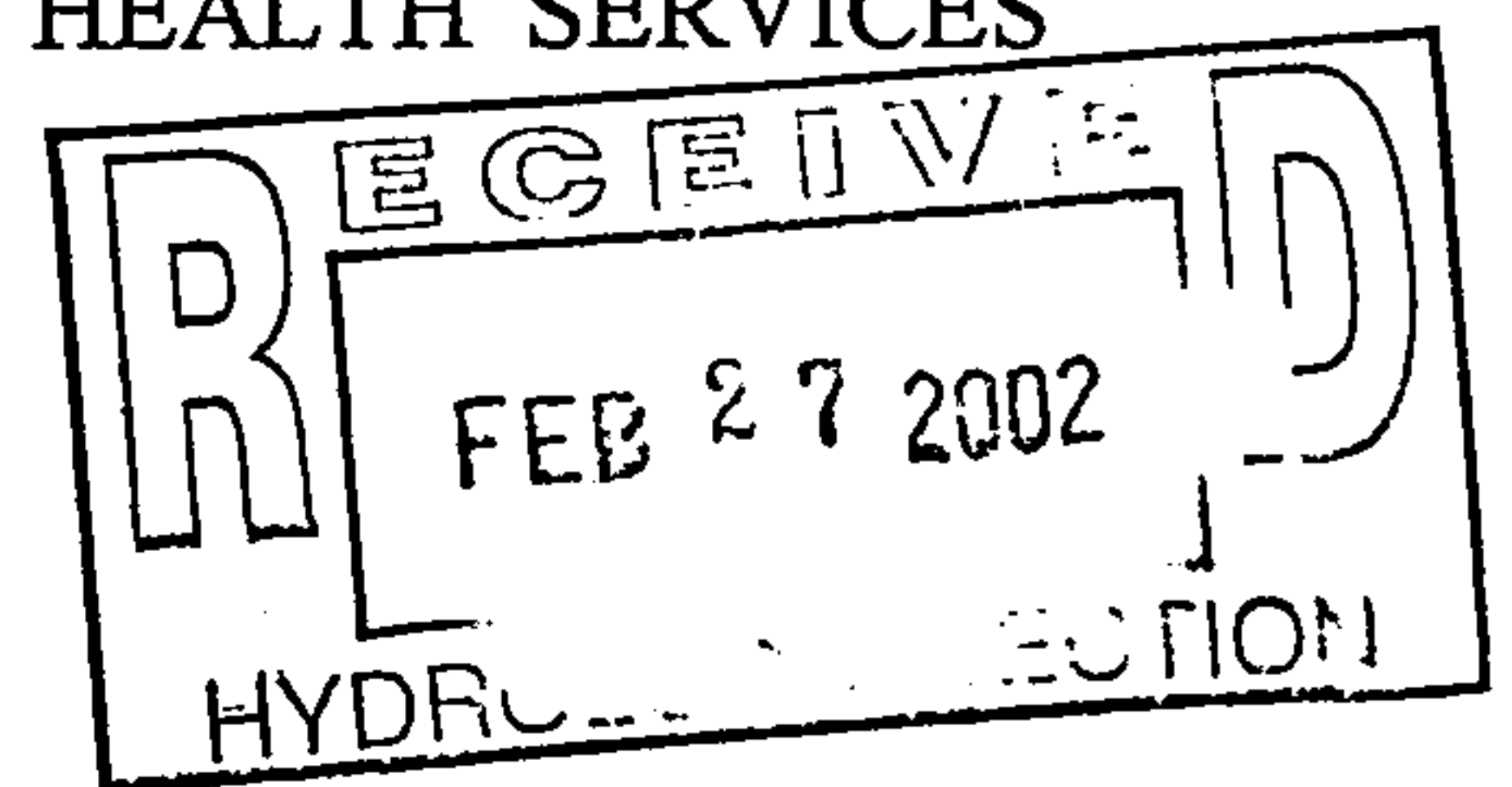
TYPE OF APPROVAL

<u> </u> PRELIMINARY PLAT	<u> </u> FINAL PLAT
<u> X </u> SITE DEVELOPMENT PLAN	<u> X </u> BUILDING PERMIT
<u> </u> OTHER: EXCAVATION PERMIT	<u> </u> ROUGH GRADING

<u>ATTENDEE:</u>	<u>ORGANIZATION:</u>	<u>PHONE:</u>
RICHARD DOURTE	CITY	924-3990
CARLOS MONTOYA	CITY	924-3982
JEFF MORTENSEN	JMA	345-4250
LARRY BREEN	DORMAN + BREEN	299-5940
SCOTT WRASMAN	DORMAN + BREEN	299-5940

FINDINGS:

1. THE SITE IS ALREADY DEVELOPED AND SUBJECT TO SITE PLAN CONTROL.
2. THE SITE IS CHARACTERIZED BY TWO DRAINAGE BASINS. THE NORTH BASIN DRAINS TO SPAIN. THE SOUTH BASIN DRAINS TO THE SOUTHWEST ONTO THE SUN CREEK APARTMENTS (F21/D31B).
3. F21/D31B ALLOWS FOR THE DISCHARGE OF 32 CFS DEVELOPED RUNOFF FROM THE CHURCH SITE ONTO THE APARTMENT SITE PAVING IN ORDER TO CONVEY THAT RUNOFF TO THE BEAR ARROYO CHANNEL.
4. THE 32 CFS REPRESENTS THE DOWNSTREAM CAPACITY FOR THE SOUTH BASIN.
5. THE ENGINEER SHALL ADDRESS THE POTENTIAL FOR DAMAGE ON THE DOWNSTREAM PROPERTY AS A RESULT OF CONTINUING THE DISCHARGE OF DEVELOPED RUNOFF ONTO THE APARTMENT SITE.
6. ENGINEER SHOULD PROVIDE A COPY OF THE EASEMENT ALLOWING FOR THE DISCHARGE OF RUNOFF FROM THE CHURCH SITE ONTO THE APARTMENTS IF ONE SHOULD EXIST; REVIEW OF THE CITY FILES DID NOT REVEAL SUCH AN EASEMENT.
7. OFFSITE FLOWS ARE DEFINED BY THE PEDIATRIC HEALTH SERVICES PLAN PREPARED BY JMA IN 1993 (F21/DXX)

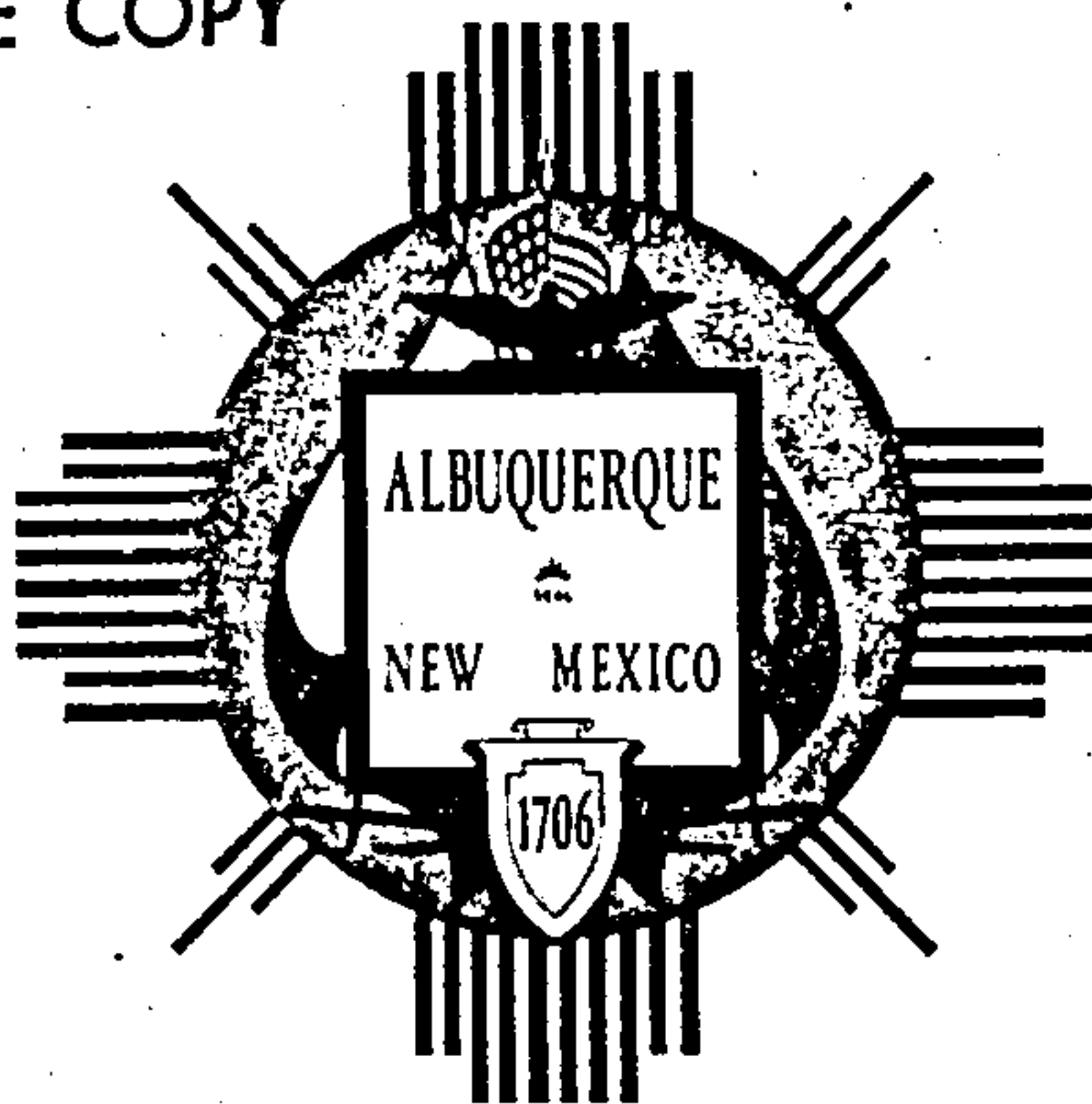


CONFERENCE RECAP (PAGE 2)

8. RELEVANT HYDROLOGY FILES ARE F21/D19A, F21/D31, F21/D31B, F21/DXX
9. A CONCEPTUAL GRADING AND DRAINAGE PLAN PER DPM REQUIREMENTS IS REQUIRED FOR THE APPROVAL OF A SITE PLAN FOR BUILDING PERMIT (DRB ACTION).
10. A GRADING AND DRAINAGE PLAN PER DPM REQUIREMENTS IS REQUIRED FOR BUILDING PERMIT APPROVAL.
11. THE DESIGN AND CONSTRUCTION OF PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY WILL REQUIRE AN SO#19.

SIGNED: _____ SIGNED: _____
 TITLE: _____ TITLE: _____
 DATE: _____ DATE: _____

RECEIVED
FEB 27 2002
HYDROLOGY SECTION



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 27, 1990

John Block, P.E.
Greiner, Inc.
5971 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: REVISED DRAINAGE PLAN FOR FAITH LUTHERAN CHURCH (F-21/D19A)
REVISION DATED APRIL 24, 1990

Dear Mr. Block:

Based on the information provided on your resubmittal of April 24, 1990, revisions as indicated are acceptable.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Fred J. Aguirre, P.E.
Hydrologist

BJM:FJA/bsj
(WP+1287)

PUBLIC WORKS DEPARTMENT

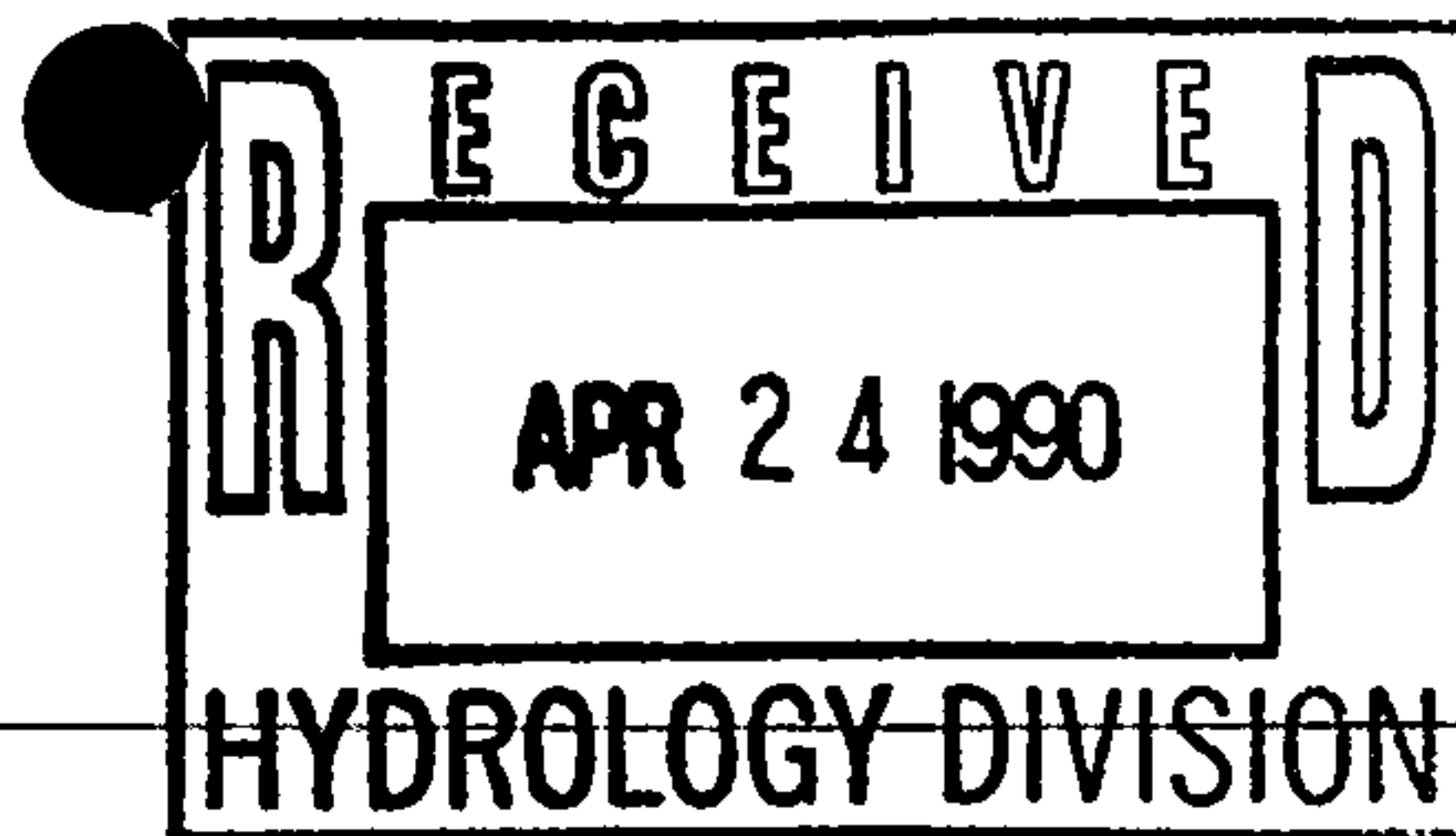
Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

Greiner



Greiner Inc.
5970 Jefferson Blvd., N.E.
Suite 101
Albuquerque, New Mexico 87109
(505) 345-3999
FAX: (505) 345-8393

April 23, 1990

Mr. Bernie Montoya, C.E.
City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87109

RE: AMENDMENT TO FAITH LUTHERAN CHURCH DRAINAGE PLAN (F21/D19A)

Dear Bernie:

We wish to file an amendment to drainage plan F21/D19A. The amendment is for additional paving. The current drainage plan included the proposed paving area as impervious in the calculations. Therefore, the developed runoff will not be increased from the current calculations.

Originally the Church did not have the funds to do all of the paving. This is why the plan showed a future paving area. However, funding was acquired and the Church wishes to pave the future area now.

With this amendment the plan will accurately reflect what is to be built. Should you have any questions, please feel free to call (345-3999.)

Sincerely,

GREINER, INC.

John Block

JJB:cs

DRAINAGE INFORMATION SHEET

PROJECT TITLE: FAITH LUTHERAN CHURCH ZONE ATLAS/DRAINAGE FILE # F 21/019

LEGAL DESCRIPTION: TRACT 2-1 & 2-2-B OF ACADEMY PLACE

CITY ADDRESS: 10000 SPAIN

ENGINEERING FIRM: GREINER INC CONTACT: JOHN BLOCK

ADDRESS: 5971 JEFFERSON PHONE: 345-3999

OWNER: FAITH LUTHERAN CHURCH CONTACT: VERN HAGEN

ADDRESS: 10000 SPAIN PHONE: _____

ARCHITECT: BARLEIZ FRIEDMAN CONTACT: DOUG MCFARLANE

ADDRESS: 209 GOLD PHONE: 842-6789

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

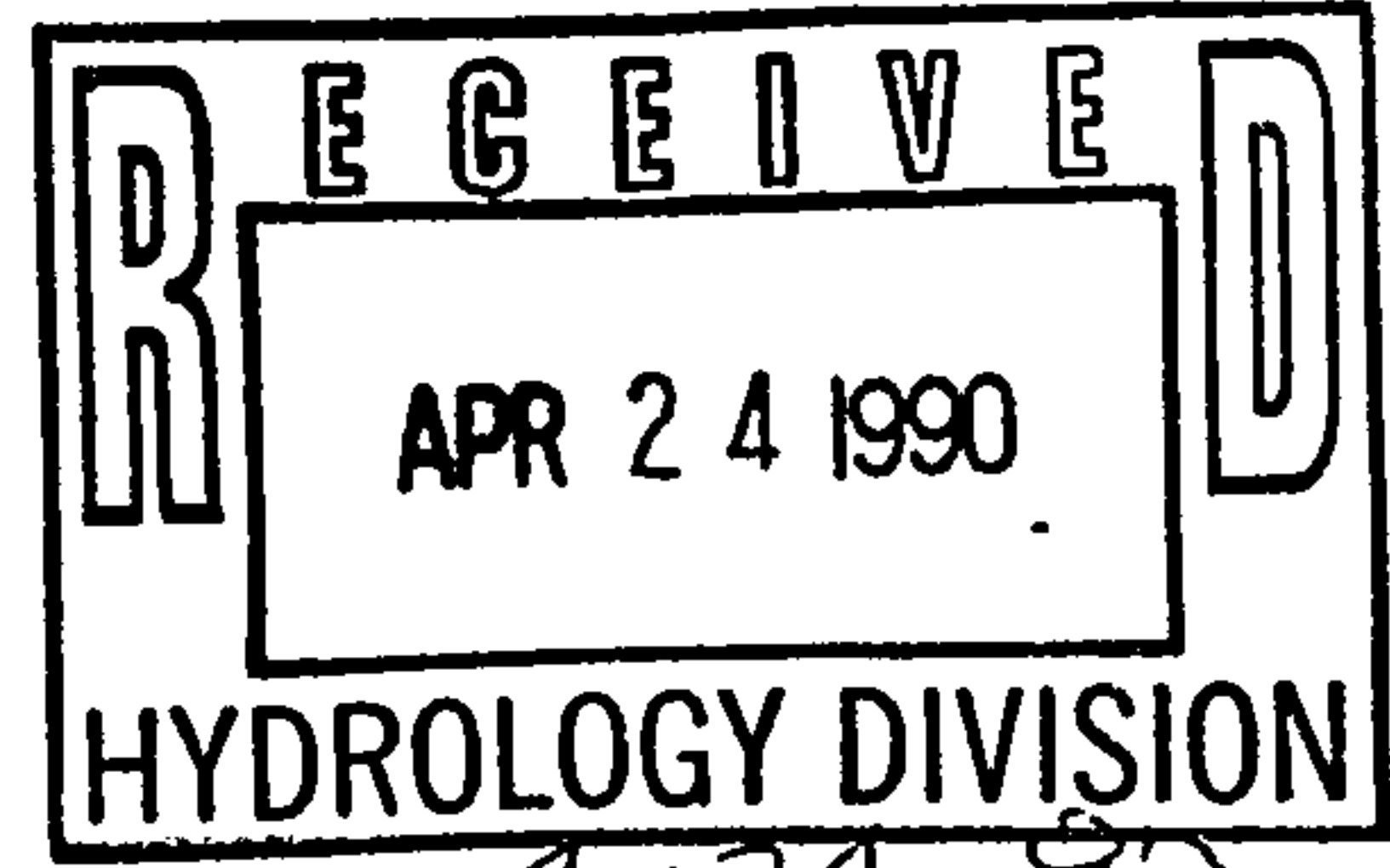
CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

_____ YES <u>P</u> NO _____ COPY OF CONFERENCE RECAP SHEET PROVIDED	DRB NO. _____ EPC NO. _____ PROJECT NO. _____
--	--

TYPE OF SUBMITTAL: _____ DRAINAGE REPORT <u>P</u> DRAINAGE PLAN _____ CONCEPTUAL GRADING & DRAIN PLAN _____ GRADING PLAN _____ EROSION CONTROL PLAN _____ ENGINEER'S CERTIFICATION	CHECK TYPE OF APPROVAL SOUGHT: _____ SECTOR PLAN APPROVAL _____ SKETCH PLAT APPROVAL _____ PRELIMINARY PLAT APPROVAL _____ SITE DEVELOPMENT PLAN APPROVAL _____ FINAL PLAT APPROVAL _____ BUILDING PERMIT APPROVAL _____ FOUNDATION PERMIT APPROVAL _____ CERTIFICATE OF OCCUPANCY APPROVAL _____ ROUGH GRADING PERMIT APPROVAL _____ GRADING/PAVING PERMIT APPROVAL
---	---



DATE SUBMITTED: 4-24-90

BY: John Block ☒ OTHER DRAINAGE PLAN AMENDMENT (SPECIFY):

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 16, 1989

KEN SCHULTZ
MAYOR
John Block, P.E.
Greiner, Inc.
5971 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: REVISED DRAINAGE PLAN FOR FAITH LUTHERAN CHURCH (F-21/D19A)
ENGINEERS STAMP DATED NOVEMBER 3, 1989 & PARKING LOT OUTFALL
CALCULATIONS DATED NOVEMBER 14, 1989

Dear Mr. Block:

Based on the information provided on your resubmittal of November 15, 1989, the above referenced plan is approved for Building Permit.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+1287)

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

DRAINAGE INFORMATION SHEET

PROJECT TITLE: FAITH LUTHERAN CHURCH ZONE ATLAS/DRAINAGE FILE # F-21/D19A

LEGAL DESCRIPTION: TRACT Z-1 AND Z-2-B OF ACADEMY PLACE

CITY ADDRESS: 10000 SPAIN RD, NE

ENGINEERING FIRM: GREINER INC CONTACT: JOHN BLOCK

ADDRESS: 5971 JEFFERSON NE SUITE 101 PHONE: 345-3999

OWNER: LUTHERAN CHURCH CONTACT: _____

ADDRESS: 10000 SPAIN RD, NE PHONE: _____

ARCHITECT: STATION 19 ARCHITECTS CONTACT: BRIAN SCHRODER

ADDRESS: 2001 UNIVERSITY, MINNEAPOLIS PHONE: (612) 623-1800

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

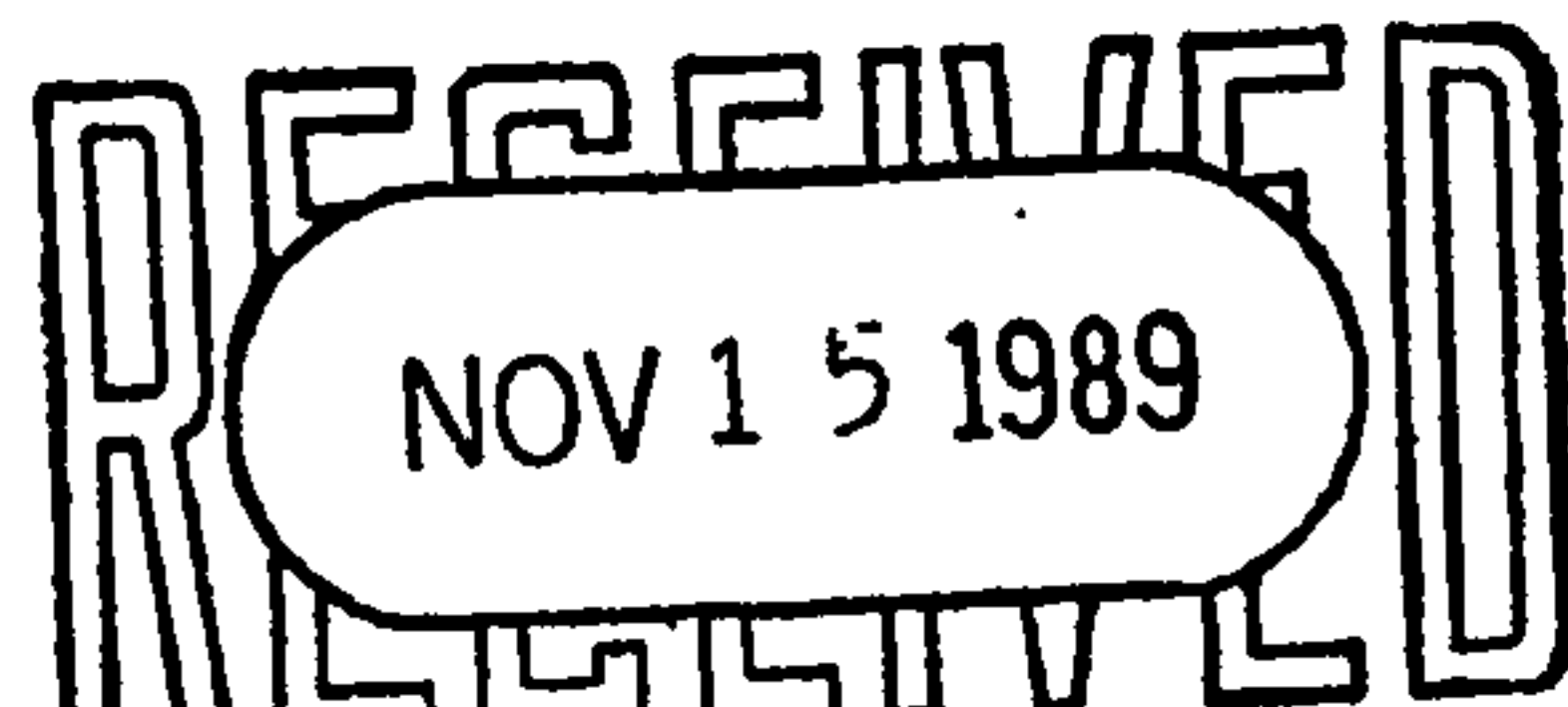
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES

☐ NO

☒ COPY OF CONFERENCE HYDROLOGY SECTION
RECAP SHEET PROVIDED



DRB NO. _____

EPC NO. _____

PROJECT NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAIN PLAN

☐ GRADING PLAN

☐ EROSION CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ SECTOR PLAN APPROVAL

☐ SKETCH PLAT APPROVAL

☐ PRELIMINARY PLAT APPROVAL

☐ SITE DEVELOPMENT PLAN APPROVAL

☐ FINAL PLAT APPROVAL

☒ BUILDING PERMIT APPROVAL

☐ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATE OF OCCUPANCY
APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

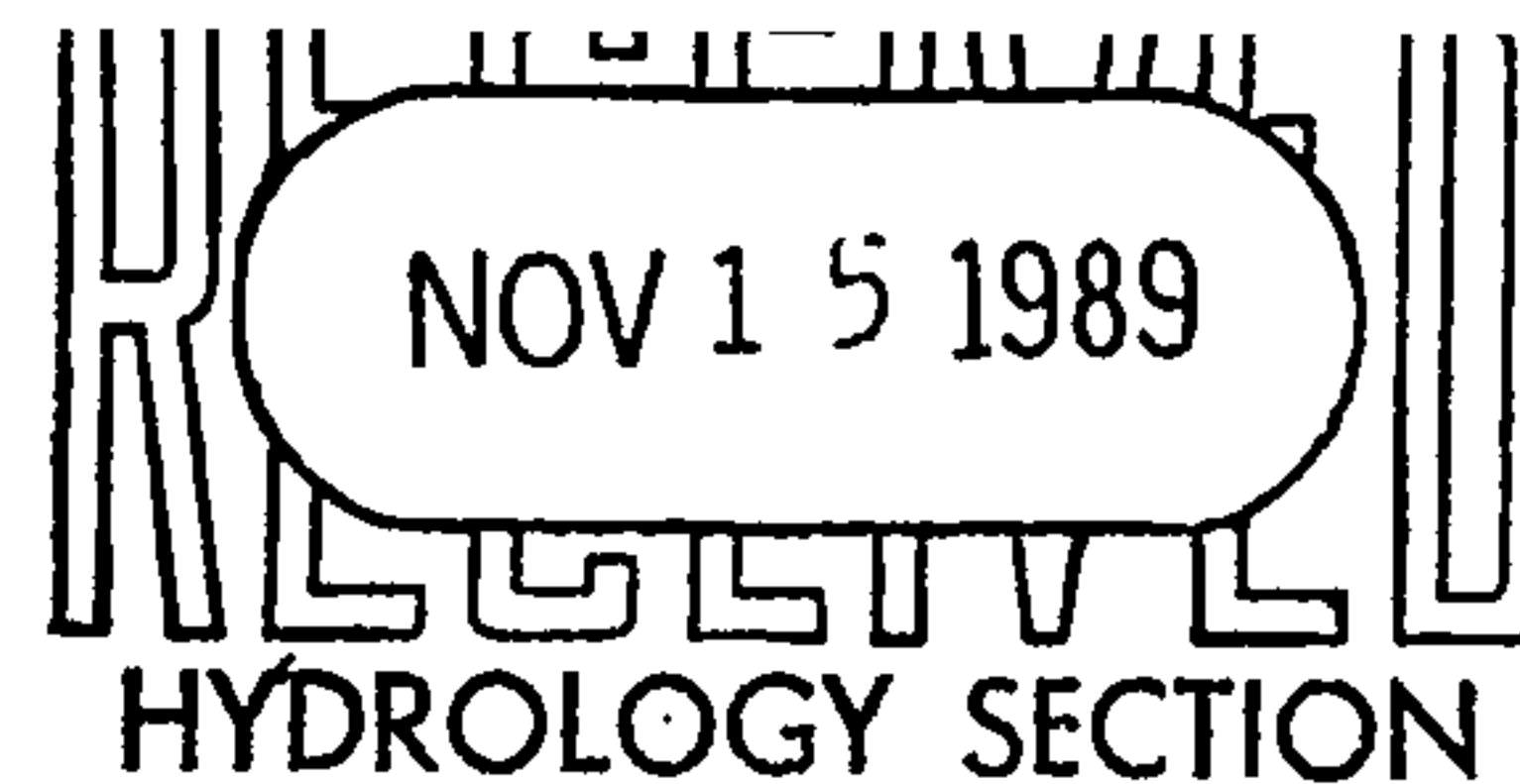
☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 11-15-89

BY: John Block

Greiner



A Greiner Engineering, Inc. Company

Letter of Transmittal

To: *BERNIE MONTAYA*
HYDROLOGY

From: *JOHN BLOCK*

Date: *11/15/89*

Attention:

Job Number: *0690715*

Re: *FAITH LUTHERAN*

The following items are being sent

☒ attached

☐ under separate cover by _____

☐ Shop Drawings

☐ Prints

☐ Plans

☐ Samples

☐ Specifications

☐ Copy of Letter

☐ _____

Copies	Date or Number	Description
<i>2</i> <i>1</i> <i>1</i>		<i>B.L. Drainage & Grading Plan</i> <i>Drainage submittal</i> <i>Parking Lot Outfall Cole int.</i>

Transmittals for reasons checked

☐ For Approval

☐ No Exceptions Taken

☐ Resubmit _____ copies for approval

☐ For Your Use

☐ Make Corrections Noted

☐ Submit _____ copies for distribution

☐ As Requested

☐ Amend and Resubmit

☐ Return _____ corrected prints

☐ For Review and Comment

☐ _____

Remarks

Copies

If enclosures are not as noted, kindly notify us at once.

Signed

John Block

F21-D19A

Barbara

Talked to John

8:38 AM

Block on 11/13/89

Advised him

He will need to address

computer

Thank you

BM

log out of

DRAINAGE INFORMATION SHEET

PROJECT TITLE: FAITH LUTHERAN CHURCH ZONE ATLAS/DRAINAGE FILE # F-21/D19A

LEGAL DESCRIPTION: TRACT E-1 AND E-2-B OF ACADEMY PLACE

CITY ADDRESS: 10000 SPAIN RD, NE

ENGINEERING FIRM: GREINER INC CONTACT: JOHN BLOCK

ADDRESS: 5971 JEFFERSON NE SUITE 101 PHONE: 345-3999

OWNER: LUTHERAN CHURCH CONTACT: _____

ADDRESS: 10000 SPAIN RD, NE PHONE: _____

ARCHITECT: STATION 19 ARCHITECTS CONTACT: BRIAN SCHRODER

ADDRESS: 2001 UNIVERSITY, MINNEAPOLIS PHONE: (612) 623-1800

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

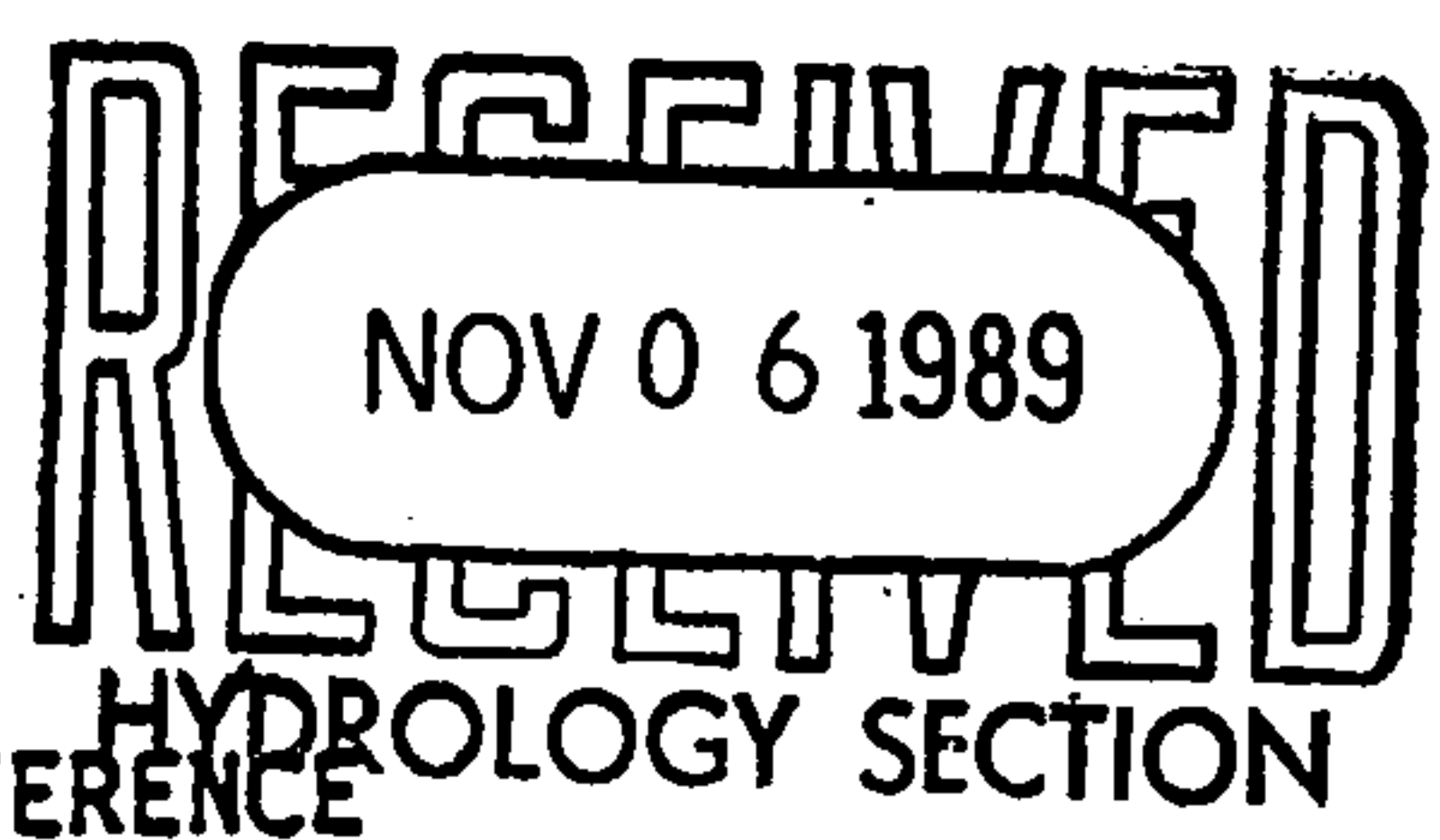
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES

☐ NO

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☒ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATE OF OCCUPANCY
APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 11-2-89

BY: John Block



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 15, 1989

KEN SCHULTZ
MAYOR

John Block, P.E.
Greiner, Inc.
5971 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: FAITH LUTHERAN CHURCH (F-21/D19A)
ENGINEERS STAMP DATED JULY 25, 1989 RECEIVED JULY 26, 1989

Dear Mr. Block:

Sorry for the delay in responding to your drainage submittal referenced above. For the record we concur with this plan, however, I submit the following suggested changes.

1. Construct a shallow (6" - 8" deep) swale at the south property line to prevent runoff from getting onto adjacent property and to direct flows to the concrete rundowns. Additionally, I recommend seeding of the area to be disturbed by this development.
2. All pavement and building areas should be drained to the rundown. Please provide the necessary details to demonstrate this condition.
3. Graphically identify the outside flow conditions contributing to this site.
4. Please reference/provide a copy for our files of the existing easement downstream.
5. Since this request is for building permit, I would request that you review the grading plan to ensure that sufficient detail has been provided for construction of the proposed improvements.

If you should have any questions or comments regarding the above, please feel free to call me at 768-2650.

Cordially,

Fred J. Aguirre
Fred J. Aguirre, P.E.
Hydrologist

13
34.1
8.7
25.4

FJA/bsj
(WP+1287)

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

Greiner

Greiner, Inc.

5971 Jefferson Blvd., N.E.

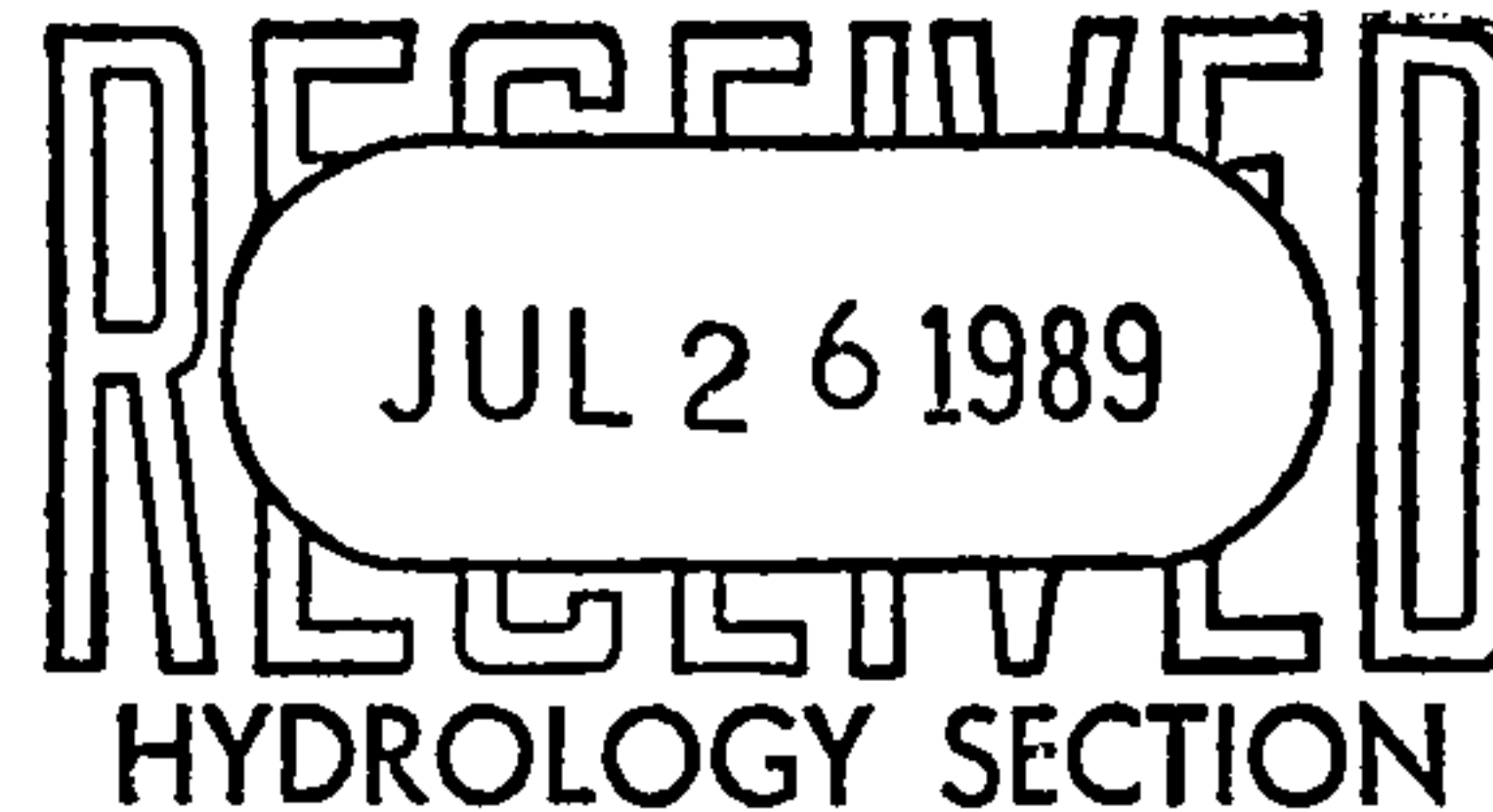
Suite 101

Albuquerque, New Mexico 87109

(505) 345-3999

FAX: (505) 345-8393

Mr. Carlos Montoya
Public Works Department
City of Albuquerque
P.O. Box 1293



Re: **Faith Lutheran Church**

Dear Carlos;

At the predesign meeting for Faith Lutheran Church, we identified a Q100 of 32cfs would be allowed to exit the property. As you review the plan you will find that we estimate the Q100 exiting the property to be just over 32cfs. However, upstream properties discharge uncontrolled runoff on to the Church property, yielding a flow approximately 6.4cfs higher than the Church property alone.

By inspection, the property downstream from the Church should be able to handle the 100yr design storm. Our design will improve conditions down stream from the Church, but an unusual event of high intensity could possibly be a problem due to the construction on the down stream property.

Please call me if you have any questions (345-3999).

Sincerely,

GREINER INC.

A handwritten signature in cursive script that reads "John Block".

John Block
Project Engineer

jn 0690715

DRAINAGE INFORMATION SHEET

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ENGINEERING FIRM: GREINER INC CONTACT: JOHN BLOCK

ADDRESS: 5971 JEFFERSON PHONE: 345-3999

OWNER: LUTHERAN CHURCH CONTACT: _____

ADDRESS: 10000 SPAIN PHONE: _____

ARCHITECT: STATION 19 ARCHITECTS CONTACT: BRIAN SCAROPEN

ADDRESS: 2001 UNIVERSITY, MINNEAPOLIS PHONE: (612) 623-1800

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

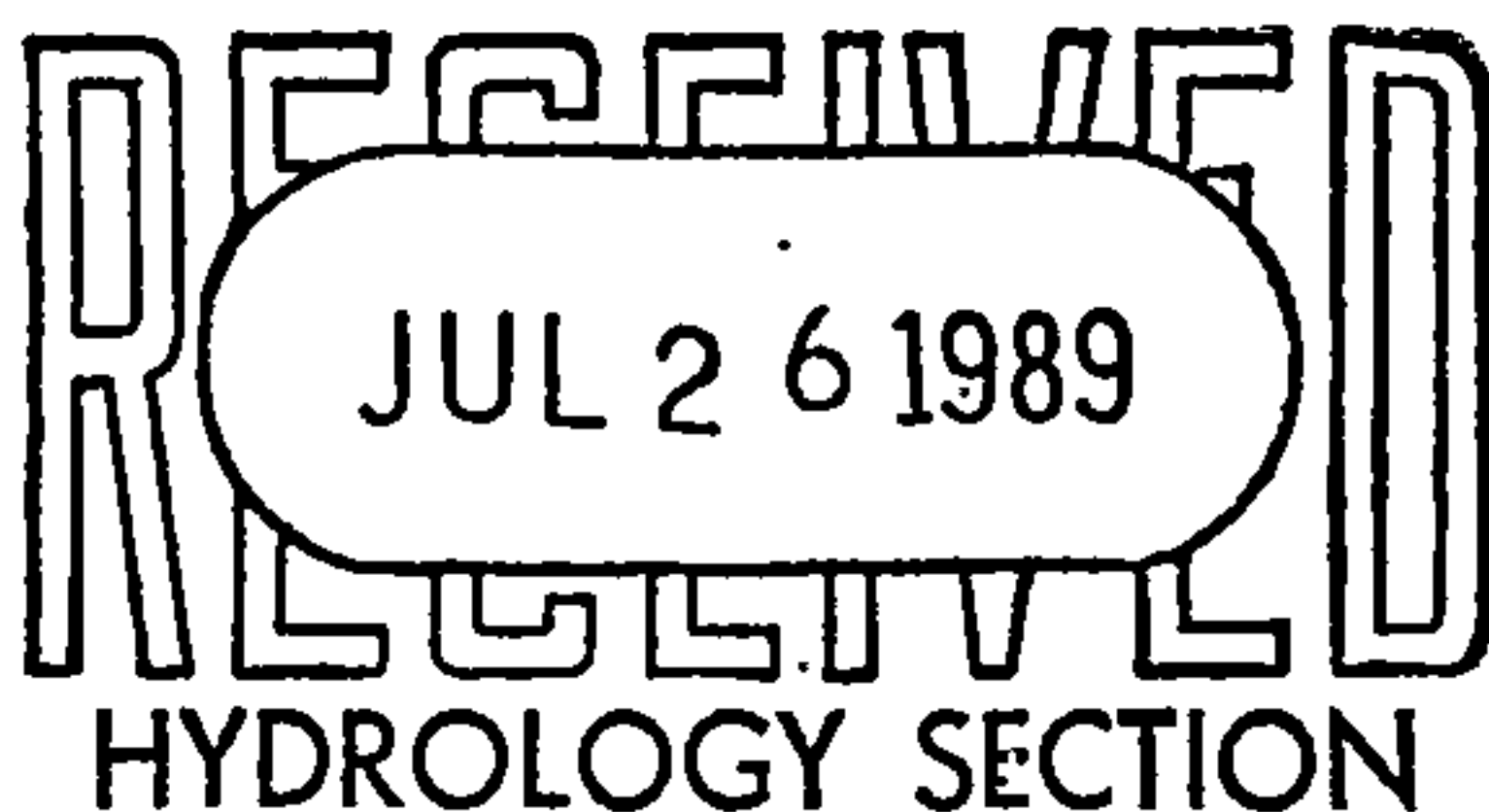
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES

☐ NO

☒ COPY OF CONFERENCE
RECAP SHEET PROVIDED



DRB NO. _____

EPC NO. _____

PROJECT NO. _____

TYPE OF SUBMITTAL:

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☒ DRAINAGE PLAN

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☐ CERTIFICATE OF OCCUPANCY
APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

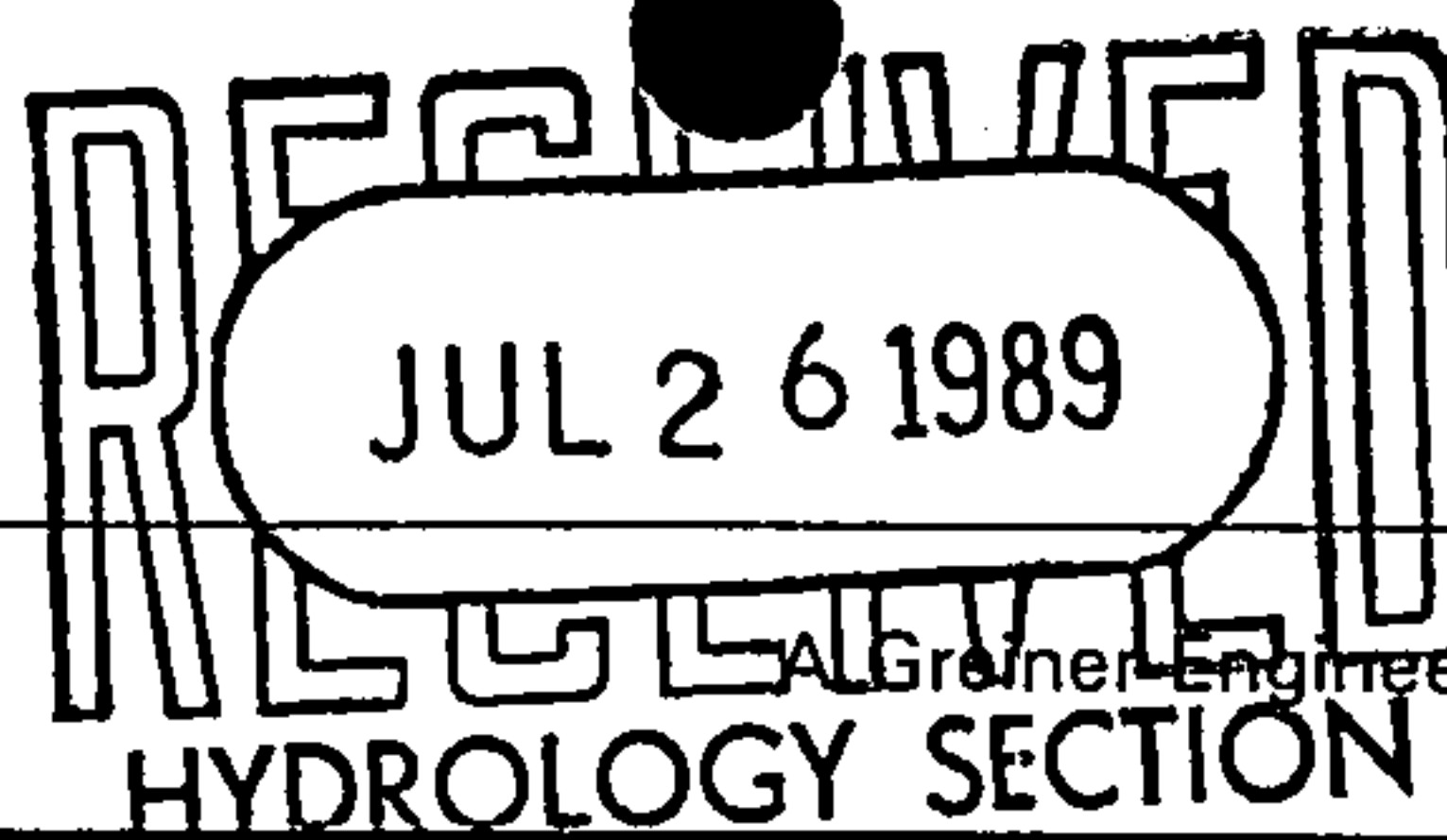
☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 7/26/89

BY: John Block

Greiner



A Greiner Engineering, Inc. Company

Letter of Transmittal

To: CARLOS MONTAÑA

From: JOHN BLOCK

Date: 7/26/89

Attention:

Job Number: 0690715

Re:

The following items are being sent

☒ Attached

☐ under separate cover by _____

☐ Shop Drawings

☐ Prints

☒ Plans

☐ Samples

☐ Specifications

☐ Copy of Letter

☐ _____

Copies

Date or Number

Description

2
1
1
1

DRAINAGE PLAN
INFO SHEET
PREDESIGN RECAP
LETTER

Transmittals for reasons checked

☒ For Approval

☐ For Your Use

☐ As Requested

☐ For Review and Comment

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☐ Resubmit _____ copies for approval

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☐ _____

Remarks

Copies

If enclosures are not as noted, kindly notify us at once.

Signed

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: F 21 DATE: 7/17/89 @ 9:00
PLANNING DIVISION NOS: EPC: _____ DRB: _____
SUBJECT: Faith Lutheran Church Addition
STREET ADDRESS (IF KNOWN): _____
SUBDIVISION NAME: Tract 21; Academy Place

APPROVAL REQUESTED:

☐ PRELIMINARY PLAT	☐ FINAL PLAT
☐ SITE DEVELOPMENT PLAN	☒ BUILDING PERMIT
☐ OTHER _____	☐ ROUGH GRADING

WHO	REPRESENTING
ATTENDANCE: <u>John Black</u>	<u>Greiner</u>
<u>Carlos Montoya</u>	<u>Hydrology</u>
_____	_____

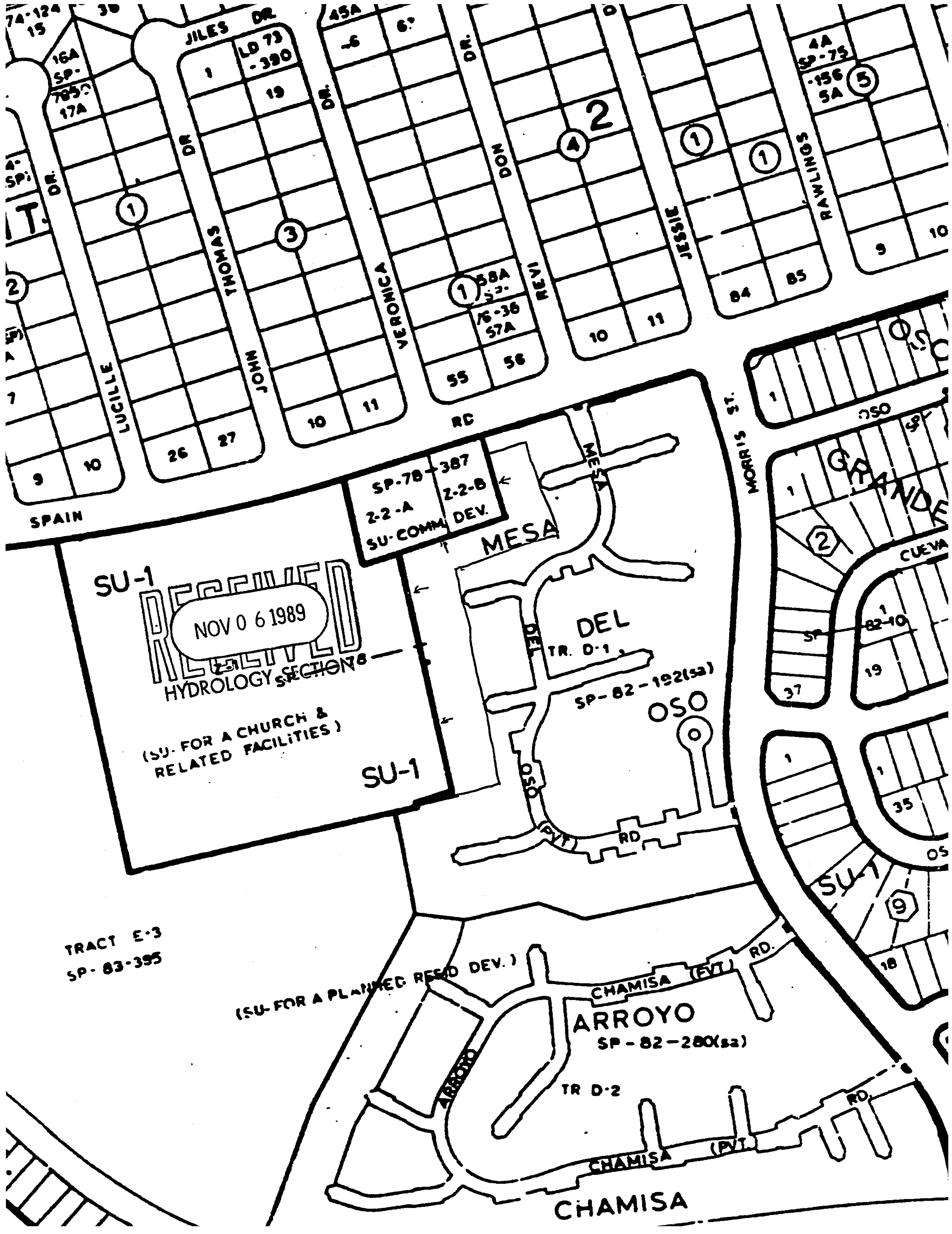
FINDINGS:

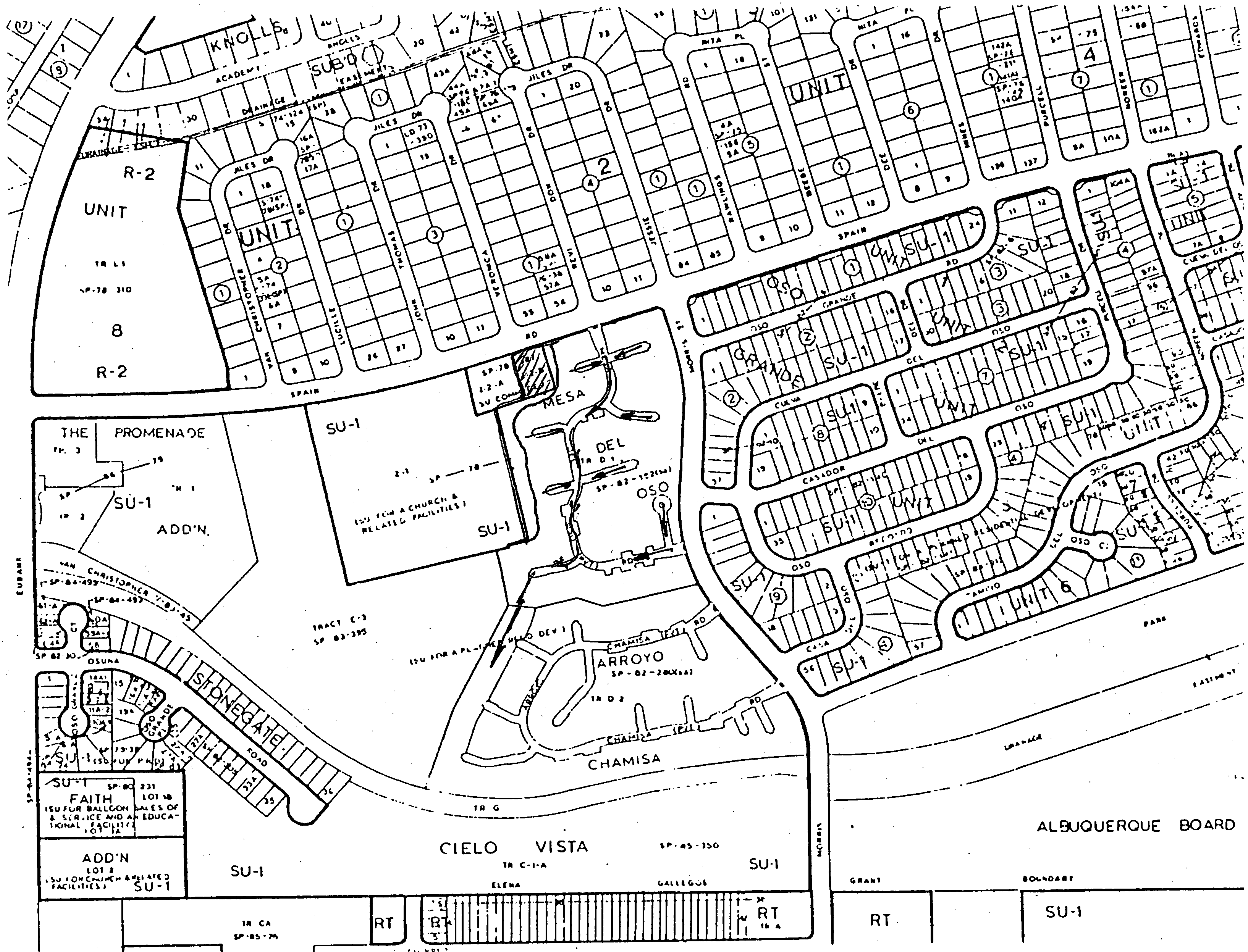
- ① DRAINAGE PLAT NO. DPM
- ② DRAINAGE PLAT F21-D31 B ALLOWED 22cfs
to flow through area then plat E
from Faith Lutheran Church
- ③ Need to allow the same capacity
through Church A.D.
- ④ Need a no tank water block & proposed
drainage

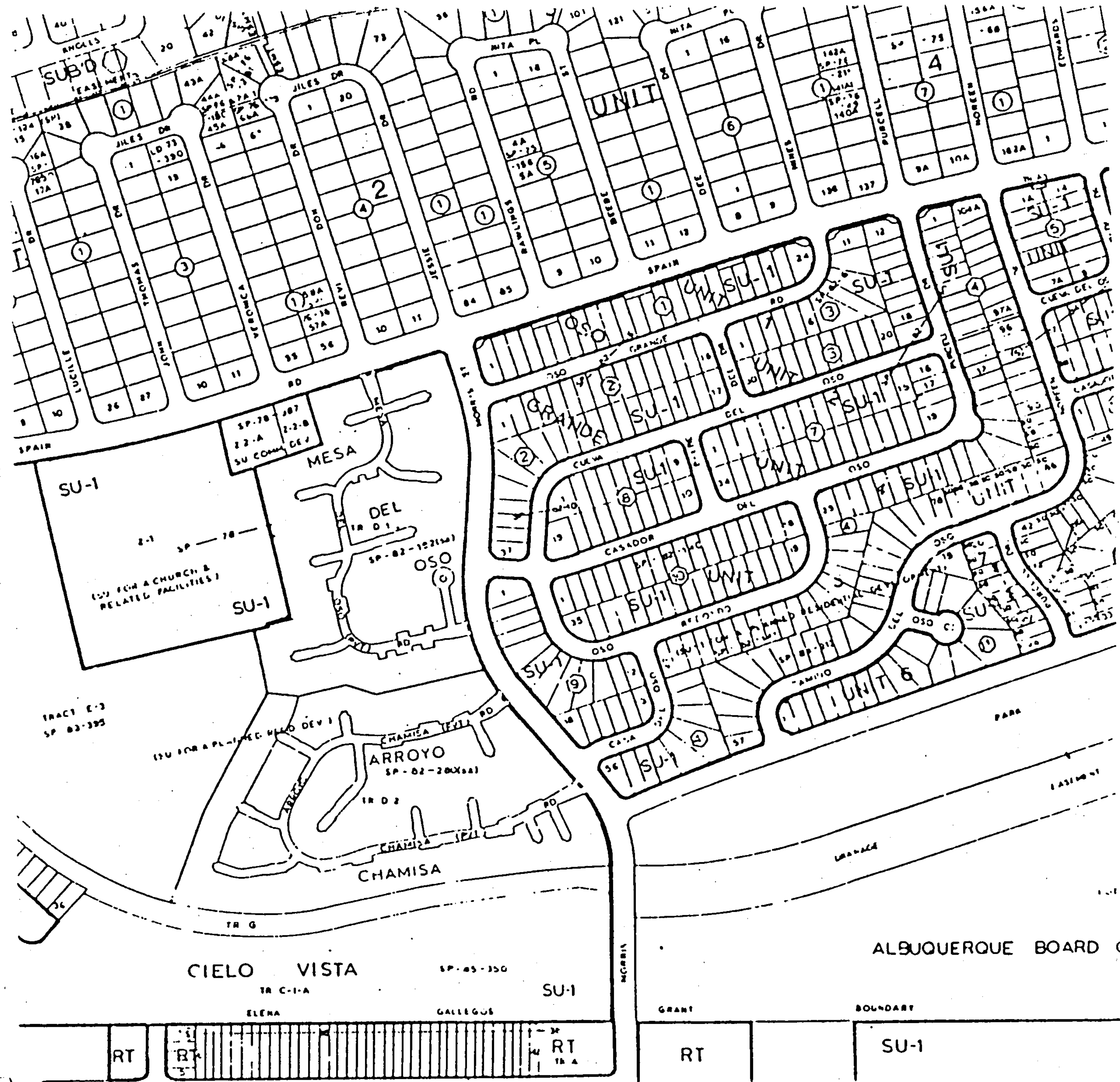
The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

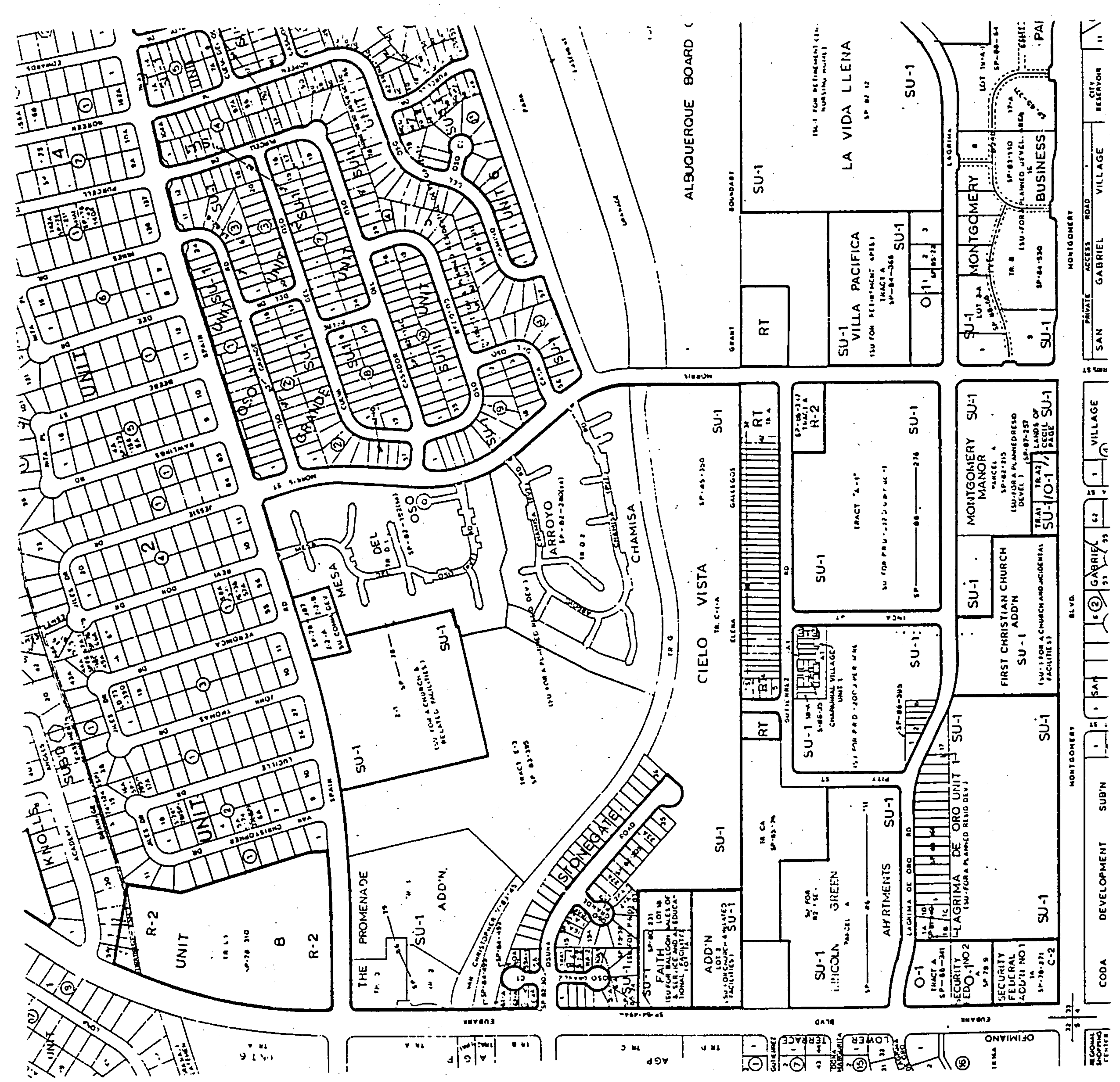
SIGNED: <u>John A. Miller</u>	SIGNED: <u>John E. Smith</u>
TITLE: _____	TITLE: _____
DATE: <u>7-17-89</u>	DATE: <u>7/17/89</u>

****NOTE** PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL**









Faith Lutheran Church

[F21/D19A]

$$Q = 2.45 \text{ in}^3/\text{hr} \quad \lambda = 2.45(2.15) = 5.27 \text{ in}^3/\text{hr}$$

report used $\lambda = 5.18 \text{ in}^3/\text{hr}$. OK ✓

OFFSITE flows
East, Mesa del Oso

field observation that approx 100' of property drains to church prop.

$$\text{Area} = 460' \times 100' \text{ wide} = 46000/43560$$

$$= 1.06 \text{ ac.}$$

report used 1.377 ac. OK ✓

Report used 70% bldg. area for offsite - could have used as low as 50% for type of development, which would reduce estimated off site flow.

Prop. Area
"A"
Bldg

130 x 100

150 x 110

80 x 70

70 x 30

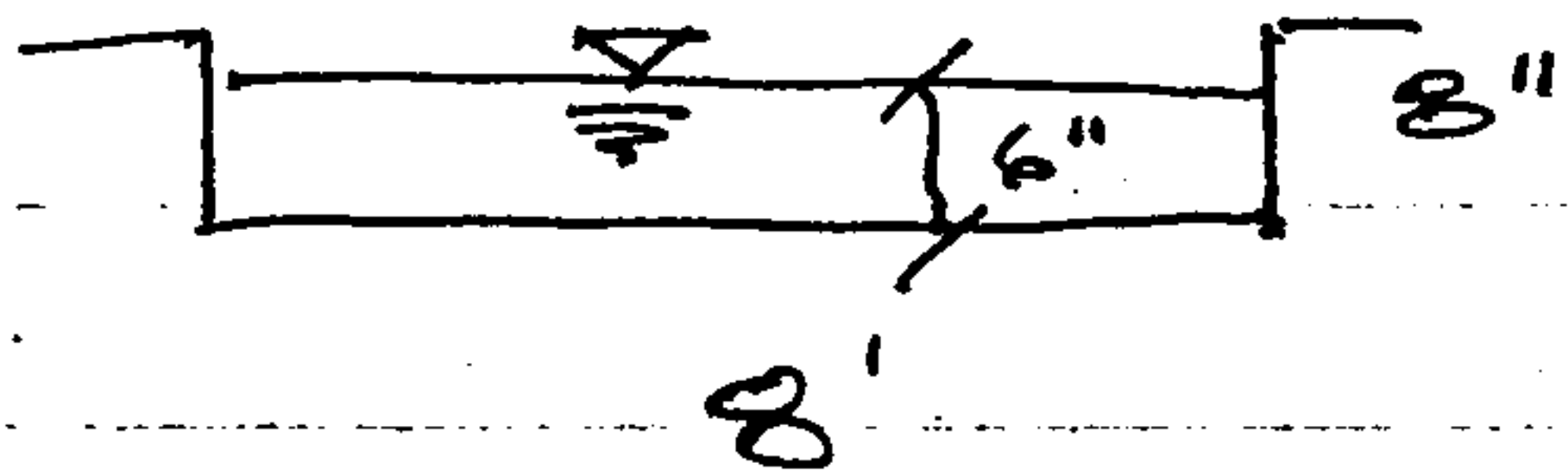
house

$$37,200 \text{ sf} \Rightarrow 0.85 \text{ ac.}$$

$$14.5\%$$

OK ✓

Round Channel Cap.



Conc., $n = 0.015$
assume $d = 6"$

$$S = 6' / 170' \approx 3.5\%$$

$$R = \frac{A}{WP} = \frac{4}{9} = 0.444$$

$$V = \frac{1.49}{0.015} (0.444)^{2/3} (0.035)^{0.5} = 10.8 \text{ fps}$$

$$Q = 10.8 (4) = \underline{43.3 \text{ cfs max.}} \quad \text{ok} \checkmark$$

EXIST. DRAINAGE

$$\text{AREA A+B} = 33.3 \text{ cfs}$$

$$3.23 + 0.13 = 3.36 \text{ ac. impervious.}$$

Proposed Drainage

$$\text{AREA A+B} = 33.9 \text{ cfs}$$

$$3.70 + 0 = 3.70 \text{ ac. impervious.}$$

$$\text{Increase} = 0.6 \text{ cfs.}$$

C factor increases from 0.40 $\rightarrow$ 0.90
 $\rightarrow$ 0.50 increase

Runoff from increase in impermeable

$$Q = Ci^2$$

$$= 0.50 (5.179) (\overset{0.34}{\cancel{0.40}})$$

$$= 0.88 \text{ cfs}$$

close to 0.6 cfs JK ✓

Greiner Engineering

- ☐ DENVER, COLORADO
☐ COLORADO SPRINGS, COLORADO
☐ ALBUQUERQUE, NEW MEXICO
☐ KEMMERER, WYOMING

RECEIVED
 NOV 15 1989
 HYDROLOGY SECTION

PROJECT FAITH LUTHERAN CHURCH
 JOB NUMBER 0690715 SHEET 1 OF 1
 CALCULATED BY DJB DATE 11/10/89
 CHECKED BY C. J. DATE 11/10/89

PARKING LOT OUTFALL

RUN-DOWN ENTRANCE

ASSUMPTION - TREAT ENTRANCE TO RUN-DOWN AS A BROAD-CRESTED WEIR

GIVEN - $Q = 23.3$ cfs FOR TEMPORARY ASPHALT CURBS IN PARKING AREA (WORSE CASE)

$$L = 8.0'$$

$$C = 2.7 \text{ (CONSERVATIVE)}$$

$$Q = C L H^{3/2} \text{ FROM "HANDBOOK OF HYDRAULICS" BRATER & KING}$$

$$H^{3/2} = 23.3 / (8.0)(2.7)$$

$$H = 1.05 \text{ SAY } 1.0'$$

MODIFY CURB TO ACCOMMODATE HEAD REQUIREMENT

RUN-DOWN

ULTIMATE CAPACITY CALC'D W/ MANNING'S EQUATION

GIVEN - $n = 0.017$

$$S = 0.0325$$

$$a = 536$$

$$P = 9.34 \quad n = 2/P$$

$$r = 0.5739$$

$$V = \frac{1.486}{0.017} \cdot 574^{2/3} \cdot 0.0325^{1/2}$$

$$V = 6.85$$

$$Q = V a$$

$$Q = 36.7 < 25.4 \therefore \text{SECTION OKAY}$$

Living Well

F.21/D 19A

118-119-120-121

- 25 May

9-1-89

~~Please provide~~

• ~~finish~~ ~~finish~~

For Bld permit the grading
plans must be sufficient
detailed for construction of
improvement