

February 24, 1998

Mark Goodwin, P.E.
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

**RE: ST. LUKE'S CHURCH (H-20/D030). ENGINEER'S CERTIFICATION FOR
CERTIFICATE OF OCCUPANCY APPROVAL. ENGINEER'S
CERTIFICATION DATED FEBRUARY 10, 1998.**

Dear Mr. Goodwin:

Based on the information provided on your February 10, 1998 submittal, the above referenced project is approved for Certificate of Occupancy.

If I can be of further assistance, please feel free to contact me at 924-3986.

Sincerely,

Bernie J. Montoya CE
Associate Engineer

C: Andrew Garcia
File

Good for You, Albuquerque!



DRAINAGE INFORMATION SHEET

PROJECT TITLE: St. Luke's Church ZONE ATLAS/DRNG, FILE#: H-20 / 32
DRB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: Easterly Portion of Block 29 Snow Heights Addition
CITY ADDRESS: 9100 Menaul Blvd NE, Albuquerque, NM, 87112

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: Mark Goodwin
ADDRESS: P.O. Box 90606, Albuquerque, NM, 87199 PHONE: 828-2200
OWNER: St. Luke Lutheran Church CONTACT: D. Schlegel
ADDRESS: 9100 Menaul Blvd NE, Albuquerque, NM, 87112 PHONE: 247-1529
ARCHITECT: SLNB Architects, Inc. CONTACT: D. Schlegel
ADDRESS: 1620 Central Ave SE, Albuquerque, NM, 87106 PHONE: 247-1529
SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: P.O. Box 30701, Albuquerque, NM, 87190 PHONE: 884-1990
CONTRACTOR: Klinger Constructors CONTACT: Don Kawal
ADDRESS: 8701 Washington NE, Albuquerque, NM, 87113 PHONE: 822-9990

TYPE OF SUBMITTAL:

_____ DRAINAGE REPORT
_____ DRAINAGE PLAN
_____ CONCEPTUAL GRADING & DRAINAGE PLAN
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
X ENGINEER'S CERTIFICATION
_____ OTHER

PRE-DESIGN MEETING:

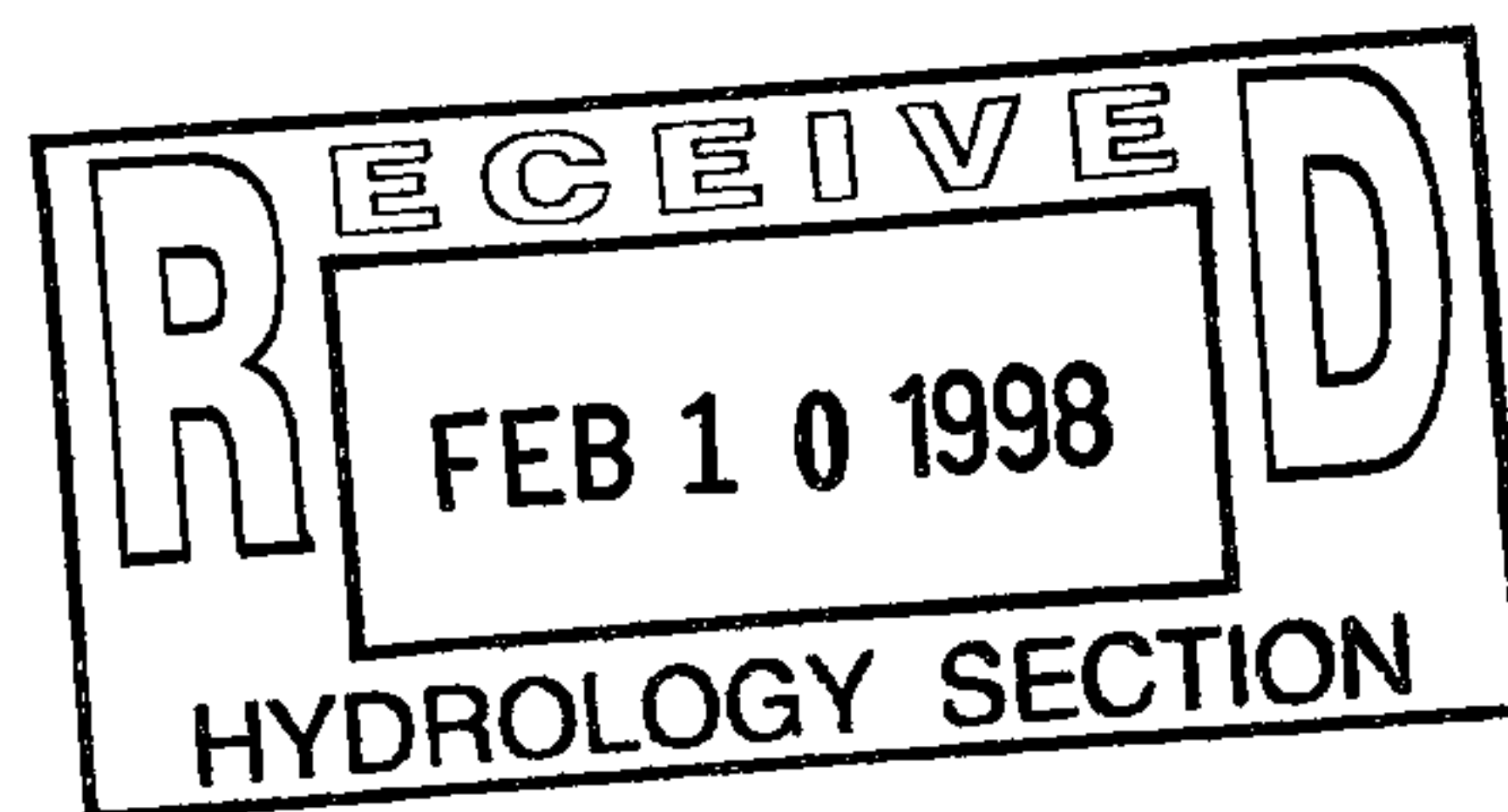
_____ YES
X NO
_____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

_____ SKETCH PLAT APPROVAL
_____ 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
X CERTIFICATION OF OCCUPANCY APPROVAL
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ S.A.D. DRAINAGE REPORT
_____ DRAINAGE REQUIREMENTS
_____ OTHER _____ (Specify)

DATE SUBMITTED: 2/10/98

BY: Mark Goodwin
Mark Goodwin, PE





Martin J. Chávez, Mayor

Robert E. Gurulé, Director

June 16, 1997

Mark Goodwin
D. Mark Goodwin & Associates, PA
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: REVISED DRAINAGE PLAN FOR AN ADDITION TO ST. LUKE'S CHURCH
(H20-D30) REVISION DATED 6/9/97

Dear Mr. Goodwin:

Based on the information provided on your June 9, 1997 resubmittal, the above referenced site is approved for Building Permit.


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

Also, prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely


Bernie J. Montoya CE
Associate Engineer

Good for You, Albuquerque!

P.O. Box 1293, Albuquerque, New Mexico 87103





Martin J. Chávez, Mayor

Robert E. Gurulé, Director

May 27, 1997

Mark Goodwin
D. Mark Goodwin & Associates, P.A.
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: DRAINAGE PLAN FOR AN ADDITION TO ST. LUKE'S CHURCH (H20-D30)
ENGINEER'S STAMP DATED 4/21/97

Dear Mr. Goodwin:

Based on the information provided on your April 22, 1997 submittal, listed are some concerns that will need to be addressed prior to final approval:

1. Location and direction of the proposed roof drains.
2. Does any of the developed run-off go across the public sidewalk? If so, a small curb will need to be constructed.

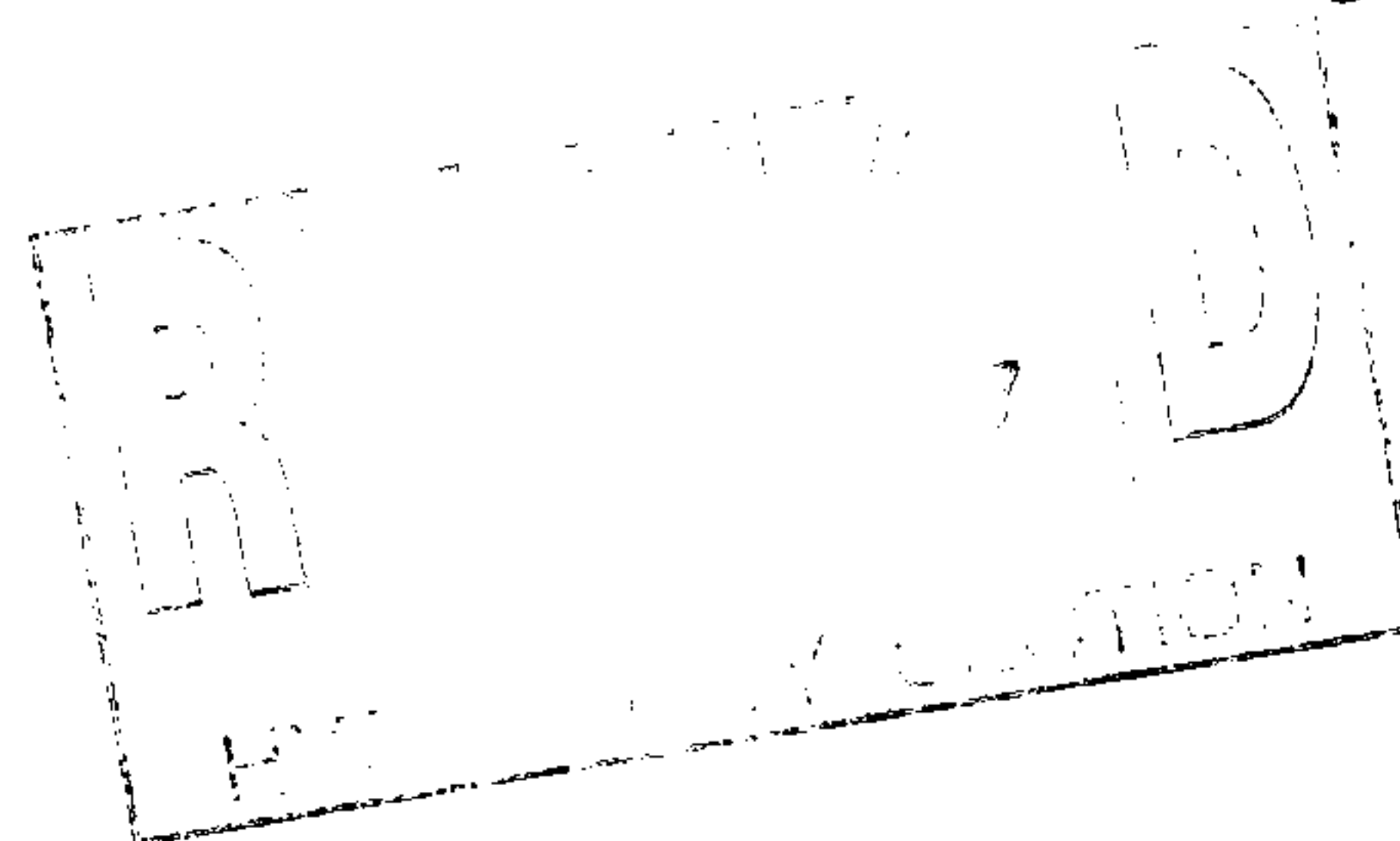
If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely

A handwritten signature in black ink that reads 'Bernie J. Montoya'.

Bernie J. Montoya CE
Associate Engineer



Good for You, Albuquerque!

P.O. Box 1293, Albuquerque, New Mexico 87103





D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 345-2010

June 9, 1997

Bernie J. Montoya, C.E.
Hydrology Section, City of Albuquerque
Plaza Del Sol
200 Lomas NW
Albuquerque, NM 87102

RE: St. Lukes Church H20-D30

Dear Mr. Montoya,

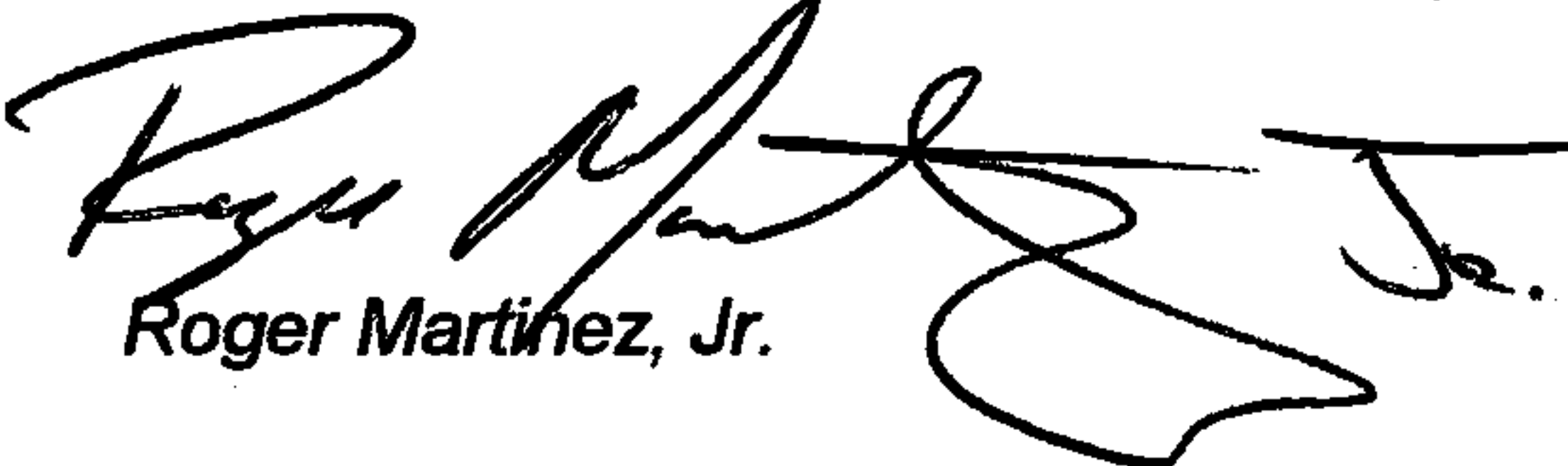
The intent of this letter is in response to your comments in the letter dated May 27, 1997. Attached, please find the revised grading and drainage plan for the improvements to the St. Lukes Church located on the southwest corner of Menaul Blvd and Northeastern.

- 1. Roof drains have been shown on plan.*
- 2. The developed run-off does not flow across any public sidewalks. The existing drainage flow paths into public right of way have not been altered in any manner with the proposed improvements.*

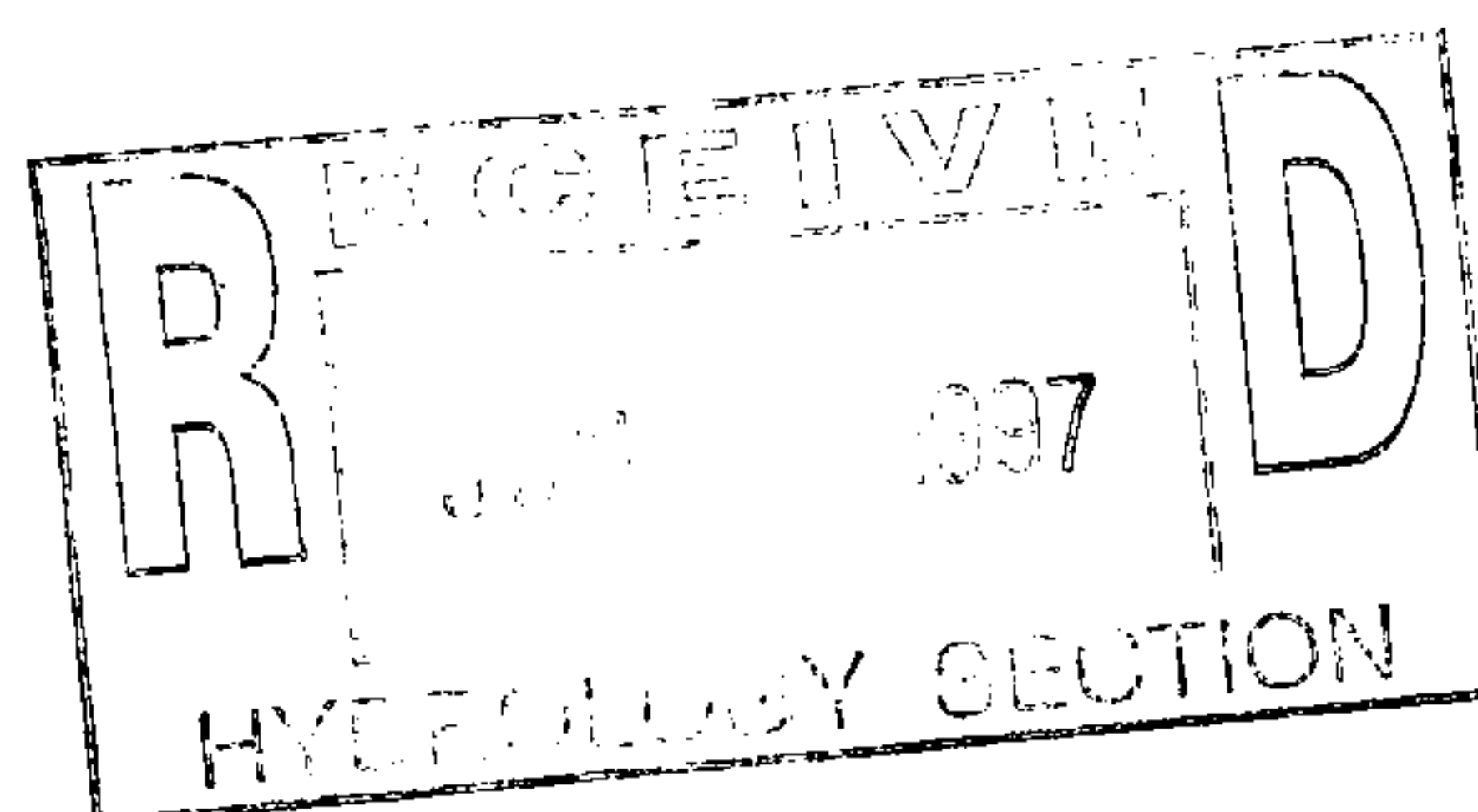
If you have any questions concerning this site or the submittal, please contact me at 828-2200.

Sincerely,

D. MARK GOODWIN & ASSOCIATES, P.A.


Roger Martinez, Jr.

Attachments



DRAINAGE INFORMATION SHEET

PROJECT TITLE: ST LUKE'S CHURCH ZONE ATLAS/DRNG, FILE#: H-20/D30

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

LEGAL DESCRIPTION: EASTLY PORTION OF BLOCK 29 SNOW HEIGHTS ADDITION

CITY ADDRESS: 9100 MENAUL BLVD NE ALBQ, NM 87112

ENGINEERING FIRM: D. MARK GOODWIN & ASSOC. CONTACT: ROGER MARTINEZ

ADDRESS: P.O. Box 90606 ALBQ, NM 87199 PHONE: 345-2010

OWNER: ST. LUKE LUTHERAN CHURCH CONTACT: D. SCHLEGEL

ADDRESS: 9100 MENAUL BLVD NE, ALBQ, NM 87112 PHONE: 247-1529

ARCHITECT: SLNB ARCHITECTS, INC. CONTACT: D. SCHLEGEL

ADDRESS: 1620 CENTRAL AVE SE ALBQ, NM PHONE: 247-1529

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

CHECK TYPE OF APPROVAL SOUGHT:

☐ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☒ GRADING PLAN

☐ EROSION CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

☐ OTHER

☐ SKETCH PLAT APPROVAL

☐ 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

☐ CERTIFICATION OF OCCUPANCY APPROVAL

☐ GRADING PERMIT APPROVAL

☐ PAVING PERMIT APPROVAL

☐ S.A.D. DRAINAGE REPORT

☐ DRAINAGE REQUIREMENTS

☐ OTHER _____ (Specify)

PRE-DESIGN MEETING:

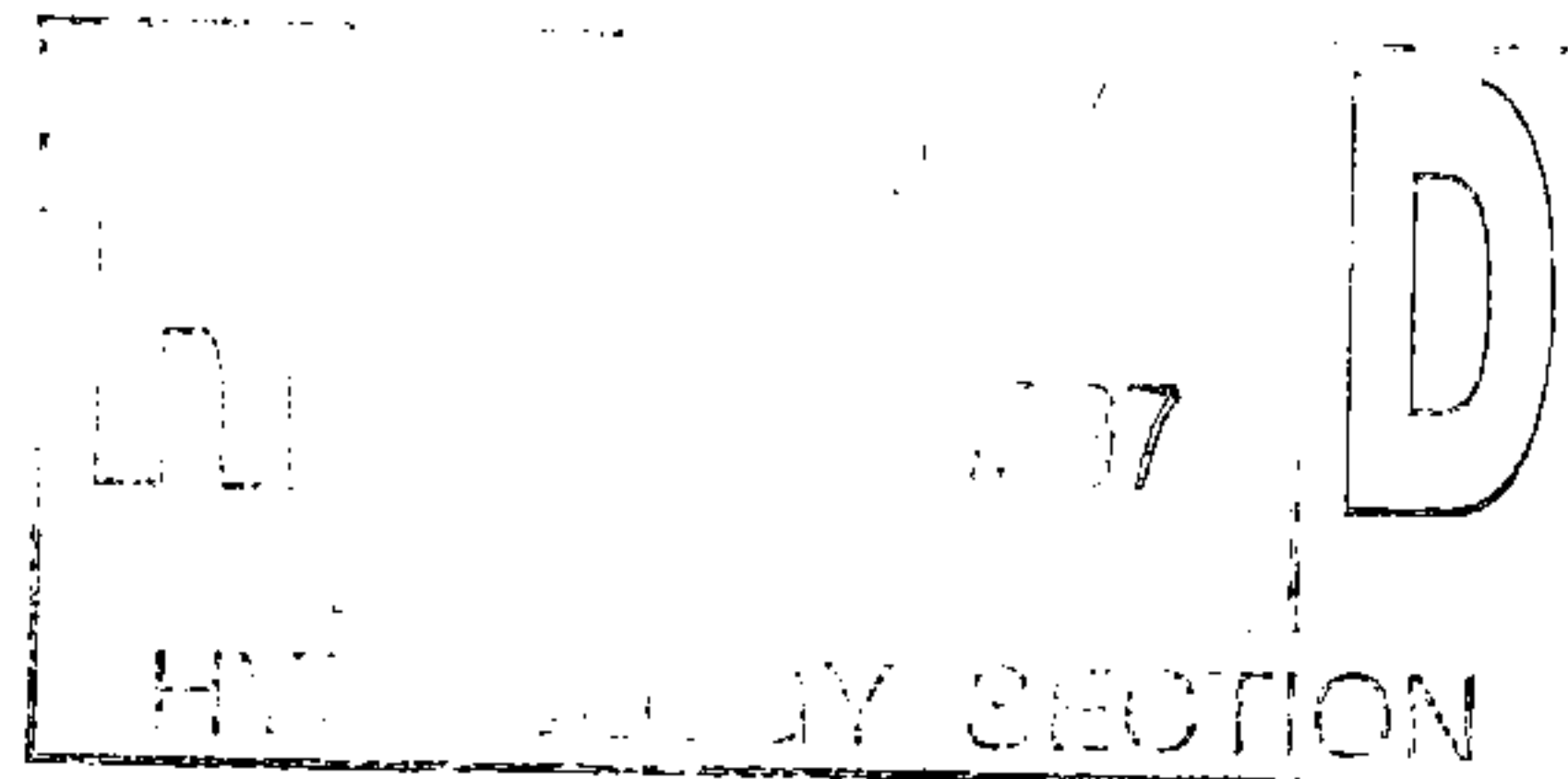
☐ YES

☒ NO

☐ COPY PROVIDED

DATE SUBMITTED: 9 JUNE 97

BY: [Signature]



DRAINAGE INFORMATION SHEET

PROJECT TITLE: ST LUKE'S CHURCH ZONE ATLAS/DRNG, FILE#: H-20/D30
DRB #: _____ EPC #: _____ WORK ORDER #: _____
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SURVEYOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CONTRACTOR: _____ CONTACT: _____
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☒ DRAINAGE PLAN
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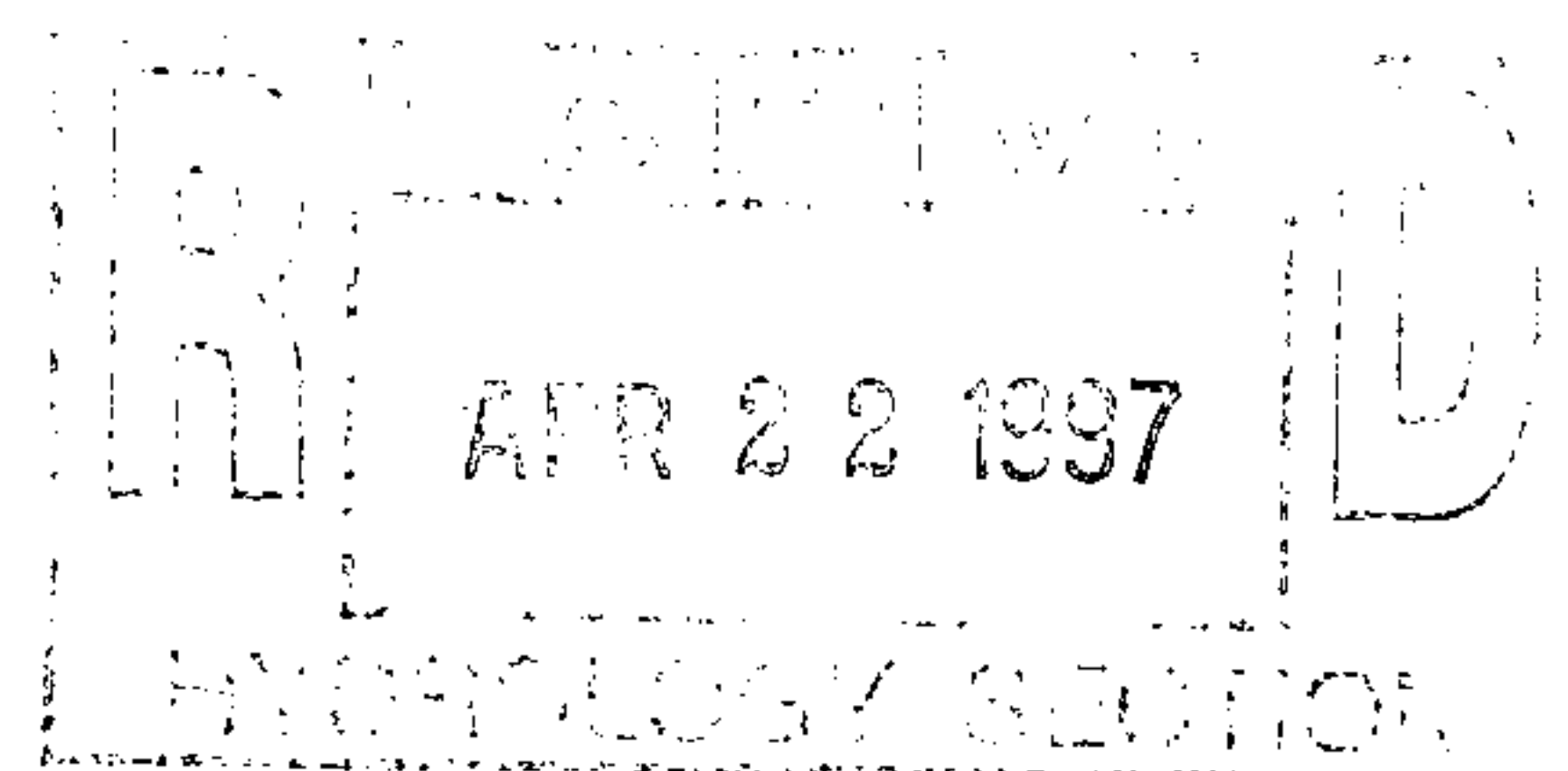
☐ YES
☒ NO
☐ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (Specify)

DATE SUBMITTED: 21 APR 97

BY: [Signature]



STLUKE.DAT

START TIME=0.0

***** HYDROGRAPH FOR ST. LUKES CHURCH IMPROVEMENTS
***** AT THE INTERSECTION OF MENAUL AND NORTHEASTERN

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.14 IN RAIN SIX=2.60 IN
RAIN DAY=3.10 IN DT=0.03333 HR

*HYDROGRAPH FOR EXISTING BASIN

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.0045164 SQ MI
PER A=0.00 PER B=7.50 PER C=7.50 PER D=85.00
TP=0.1333 HR MASS RAINFALL=-1

PRINT HYD ID=1 CODE=1

FINISH

STLUKE.OUT

AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994

RUN DATE (MON/DAY/YR) = 04/21/1997

START TIME (HR:MIN:SEC) = 07:20:24 USER NO.= M_GOODWN.I01

INPUT FILE = STLUKE.DAT

START TIME=0.0

***** HYDROGRAPH FOR ST. LUKES CHURCH IMPROVEMENTS

***** AT THE INTERSECTION OF MENAUL AND NORTHEASTERN

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.14 IN RAIN SIX=2.60 IN

RAIN DAY=3.10 IN DT=0.03333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS

2 - PEAK AT 1.40 HR.

DT =	.033330 HOURS	END TIME =	5.999400 HOURS			
.0000	.0027	.0055	.0084	.0113	.0143	.0173
.0204	.0236	.0269	.0302	.0337	.0372	.0408
.0445	.0484	.0523	.0564	.0606	.0649	.0694
.0741	.0789	.0839	.0892	.0946	.1003	.1063
.1126	.1192	.1262	.1322	.1385	.1452	.1597
.1922	.2422	.3139	.4119	.5407	.7049	.9093
1.1588	1.3904	1.4871	1.5687	1.6414	1.7074	1.7683
1.8247	1.8775	1.9270	1.9735	2.0174	2.0589	2.0982
2.1354	2.1707	2.2041	2.2359	2.2661	2.2737	2.2807

APR 28 1997

STLUKE.OUT

2.2875	2.2939	2.3001	2.3060	2.3117	2.3172	2.3226
2.3277	2.3328	2.3376	2.3423	2.3470	2.3514	2.3558
2.3601	2.3643	2.3683	2.3723	2.3762	2.3801	2.3838
2.3875	2.3911	2.3947	2.3982	2.4016	2.4050	2.4083
2.4115	2.4147	2.4179	2.4210	2.4241	2.4271	2.4301
2.4330	2.4359	2.4388	2.4416	2.4444	2.4472	2.4499
2.4526	2.4553	2.4579	2.4605	2.4631	2.4656	2.4681
2.4706	2.4731	2.4755	2.4779	2.4803	2.4827	2.4850
2.4873	2.4896	2.4919	2.4942	2.4964	2.4986	2.5008
2.5030	2.5052	2.5073	2.5094	2.5115	2.5136	2.5157
2.5177	2.5198	2.5218	2.5238	2.5258	2.5277	2.5297
2.5317	2.5336	2.5355	2.5374	2.5393	2.5412	2.5430
2.5449	2.5467	2.5486	2.5504	2.5522	2.5540	2.5557
2.5575	2.5593	2.5610	2.5627	2.5645	2.5662	2.5679
2.5696	2.5713	2.5729	2.5746	2.5762	2.5779	2.5795
2.5811	2.5828	2.5844	2.5860	2.5876	2.5891	2.5907
2.5923	2.5938	2.5954	2.5969	2.5984	2.6000	

*HYDROGRAPH FOR EXISTING BASIN

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.0045164 SQ MI

PER A=0.00 PER B=7.50 PER C=7.50 PER D=85.00

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA
 PE CONSTANT, N = 7.106420
 UNIT PEAK = 15.156 CFS UNIT VOLUME = .9987 B = 526.
 28 P60 = 2.1400
 AREA = .003839 SQ MI IA = .10000 INCHES INF = .04000
 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
 T = .033330

K = .121284HR TP = .133300HR K/TP RATIO = .909858 SHA

STLUKE.OUT

PE CONSTANT, N = 3.892621

UNIT PEAK = 1.7683 CFS UNIT VOLUME = .9930 B = 347.

95 P60 = 2.1400

AREA = .000677 SQ MI IA = .42500 INCHES INF = 1.04000

INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D

T = .033330

PRINT HYD

ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = 2.16558 INCHES = .5216 ACRE-FEET

PEAK DISCHARGE RATE = 13.65 CFS AT 1.500 HOURS BASIN AREA =
.0045 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 07:20:25

RECEIVED 1957
[Signature]



D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 345-2010

April 21, 1997

Hydrology Section, City of Albuquerque
Plaza Del Sol
200 Lomas NW
Albuquerque, NM 87102

RE: St. Lukes Church H-20

To Whom It May Concern:

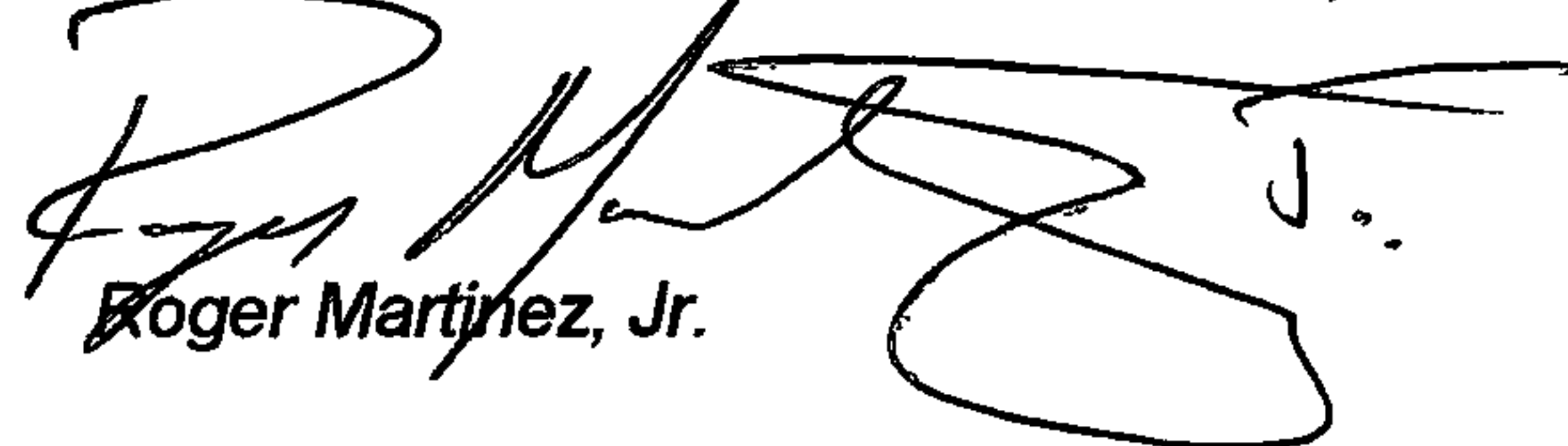
Attached, please find the AHYMO, grading and drainage plan for the improvements to the St. Lukes Church located on the southwest corner of Menaul Blvd and Northeastern.

The site is currently an existing church. The proposed construction for this site are building additions and minor parking lot improvements. There will be no additional impervious area within the proposed parking lot improvements which consist of parking islands constructed 6" above the existing top of asphalt. The existing storm runoff will continue to be conveyed around the islands without adverse impedance of the flow. The proposed building additions will negligibly increase the runoff by 4%. A flow increase of $Q=1.04\text{cfs}$. AHYMO was used and fully developed conditions were assumed to calculate and obtain the developed flows in accordance with current city standards and ordinances(see attached sheets).

If you have any questions concerning this site or the submittal, please contact me at 345-2010.

Sincerely,

D. MARK GOODWIN & ASSOCIATES, P.A.



Roger Martinez, Jr.

Attachments

