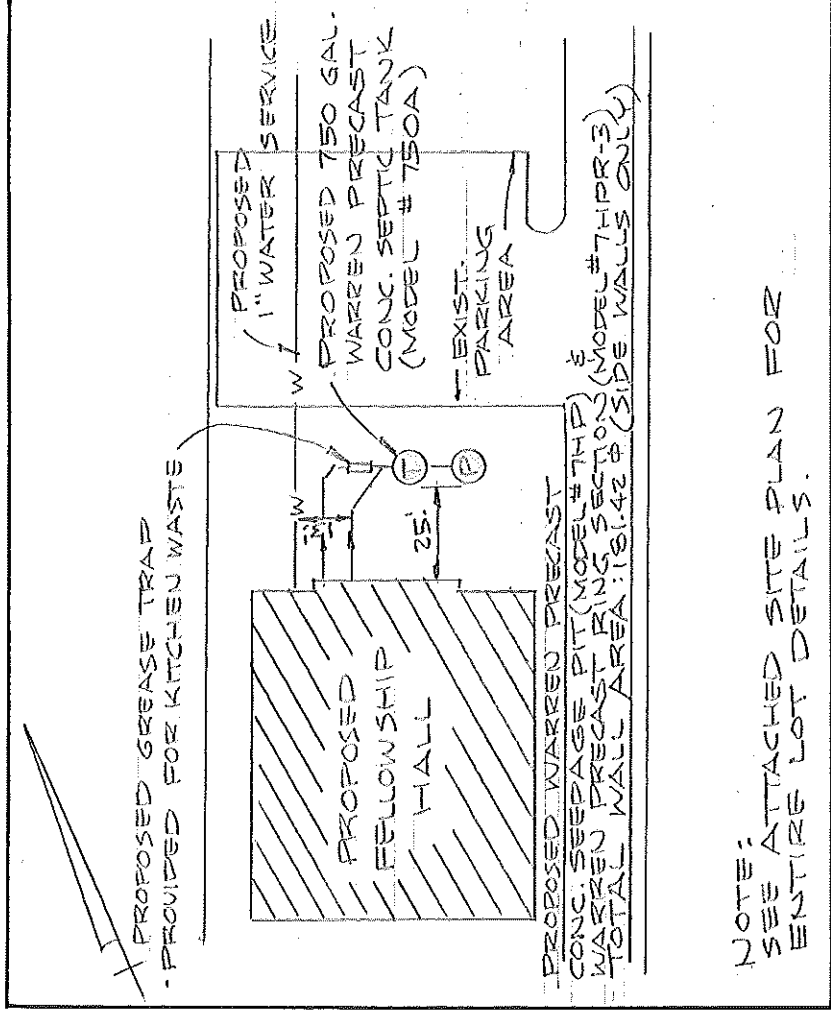


Sketch of Proposed Installation

Soil Log



0	SC
1	SP
2	
3	
4	
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6	
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8	
9	
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11	
12	
13	
14	
15	
16	
17	
18	H2O
19	
20	✓

PERC. RATE: 2.53/10.

S. T. - (Show capacity in gallons and Manufacturer's Name)

S. P. - (Show area in square feet, below inlet not including bottom and Manufacturer's Name)

Certify: *Richard P. Lucas, P.E. S.E.*

Design of individual sewerage disposal system and individual water system in accordance with the Individual Sewage Disposal System Code of New Jersey - 1963

WATER AND SEWERAGE PLAN

Block 284 Lot 20, 20-A, 20-B, 21

Township of Lakewood, County of Ocean
New Jersey

3/25/74
Date

No. S-2891

BOARD OF HEALTH OF Lakewood

CERTIFICATE OF COMPLIANCE

Issued to Immanuel Lutheran Church
(Owner or Contractor)

THIS IS TO CERTIFY That the individual sewage
disposal system at Block No. J 84

Lot No. 20-A-B-31 is in compliance with the
Application for Permit to Locate and Construct
or Alter an Individual Sewage Disposal System,

No. _____ dated _____.

The issuance of this certificate shall not be
construed as a guarantee that the system will
function satisfactorily nor shall it in any
way restrict the powers or responsibilities
of the Board of Health in the enforcement of
any law or ordinance relating to public
health.

R. Karpis

OCEAN COUNTY
HEALTH DEPARTMENT

FILE NO.

5-2, 891
PLAN APPROVED
DATE: 8-2-73
Inspector: [Signature]

AP:

INSPECTION BOARD of Health of Lakewood, New Jersey

70-44

DATE

APPLICATION FOR PERMIT TO LOCATE AND CONSTRUCT

INSPECTOR

AN INDIVIDUAL DISPOSAL SYSTEM

DATE August 24, 1973

LOCATION-ADDRESS Central Ave., Lakewood, N.J.

or BLOCK NO. 284 LOT NO. 20, 20-A,
20-B, 21

Number Street

OWNER (print) Immanuel Evangelical Lutheran Church

PRESENT ADDRESS Central Avenue, Lakewood, N.J. 08701

NAME AND ADDRESS OF CONTRACTOR (print)

TYPE OF BUILDING TO BE SERVED Fellowship Hall USE: YEARLY X SUMMER

DWELLING UNIT - NUMBER OF BEDROOMS None EXPANSION ATTIC: YES NO X

OTHER - TYPE OF BUILDING GALLONS PER PERSON 250 G.P.D.

TYPE OF FACILITIES PERSONS

SIZE OF LOT Irregular (See attached site plan) AREA SQ. FT. (See attached site plan)

SEPTIC TANK - Liquid Capacity 750 Gal. Shape Circ. (Warren) Material Conc.

Width - Length - Diameter 6-5'

Liquid Depth 42" Distance from liquid level to underside of top 9"

LIQUID DISPOSAL - Disposal Trenches N/A Disposal Bed Seepage Pits

DISPOSAL TRENCHES - Width N/A Depth Lin. Feet of Pipe

Distance between lines Type of pipe

DISPOSAL BED - Width N/A Length Area in sq. ft.

Linear feet of pipe Type of pipe

Distance between lines

SEEPAGE PITS - Number 1 Diameter 7-0'

Depth below inlet 14" Min. Distance between pits -

Shape of pits Circ. (Warren) Construction material Conc.

Depth of permeable material to be penetrated 7.33' Min.

PERCOLATION TESTS RESULTS See attached site plan for Soil Log.

PERFORMED BY Russell & Wallace, Consult. Civil Engrs.

DATE June 6, 1973



COUNTY OF OCEAN

TOMS RIVER, N. J. 08753

201-244-2121

Ext 224

CHARLES KAUFFMAN
Public Health Coordinator

September 14, 1973

Lakewood Township
Board of Health
231 Third St.
Lakewood, New Jersey

Re: Immanuel Evangelical Church
Central Avenue
Block 284, Lot 20-21

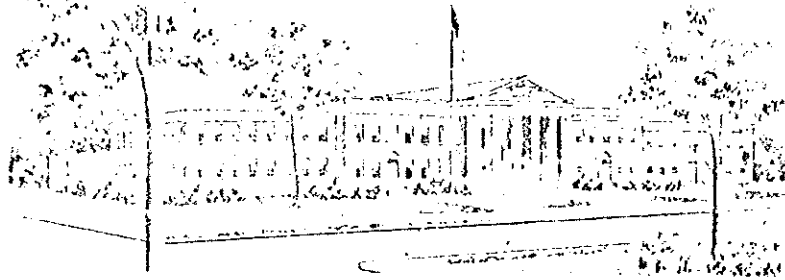
Gentlemen:

The following applications for permit to construct or repair individual water supply system and/or sewerage disposal system have been approved:

With the following stipulation: The potable water supply line must be installed 10 feet from all building sewers.

CHARLES KAUFFMAN
PUBLIC HEALTH COORDINATOR

Encls.



CHARLES KAUFFMAN
Public Health Coordinator

OCEAN COUNTY HEALTH DEPARTMENT

Toms River, N. J. 08753

201-244-2121

ELIZABETH A. GRANT, Director
Tuberculosis Control Program

ELIZABETH A. SMITH, Director
Public Health Nurses

August 30, 1973

Lakewood Township
Board of Health
231 Third St.
Lakewood, New Jersey

Re: Immanuel Evangelical Church
Central Ave.
Block 284, Lot 20, 20-A, 20-B, 21

Gentlemen:

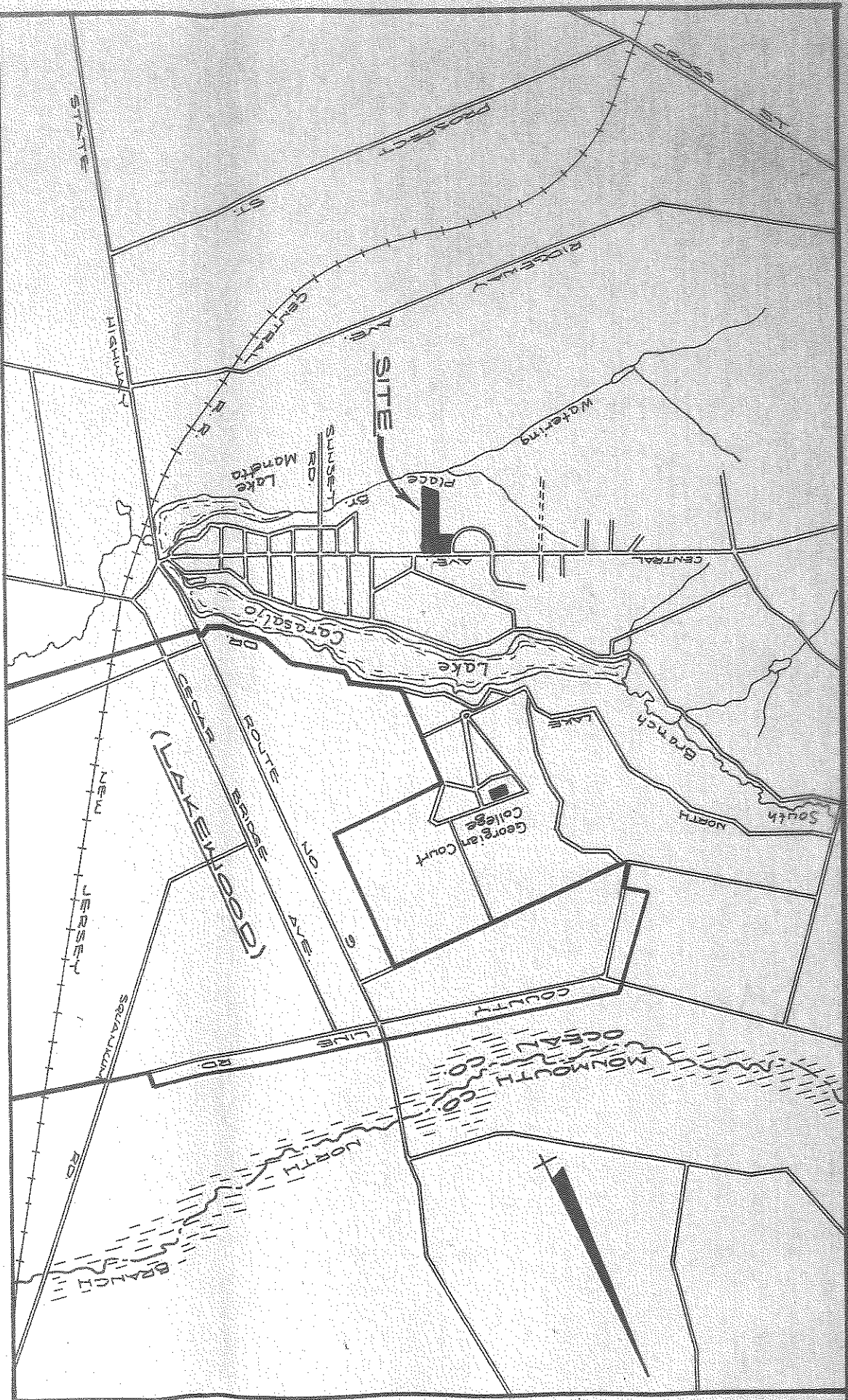
Please be advised that the above application to locate and construct an individual Sewage System is not in compliance with Chapter 199, P.L. 1954, Section and therefore not approved:

Please show the calculations used to design the size of the system.

Very truly yours,

CHARLES KAUFFMAN
PUBLIC HEALTH COORDINATOR

CK:eg
Encl.



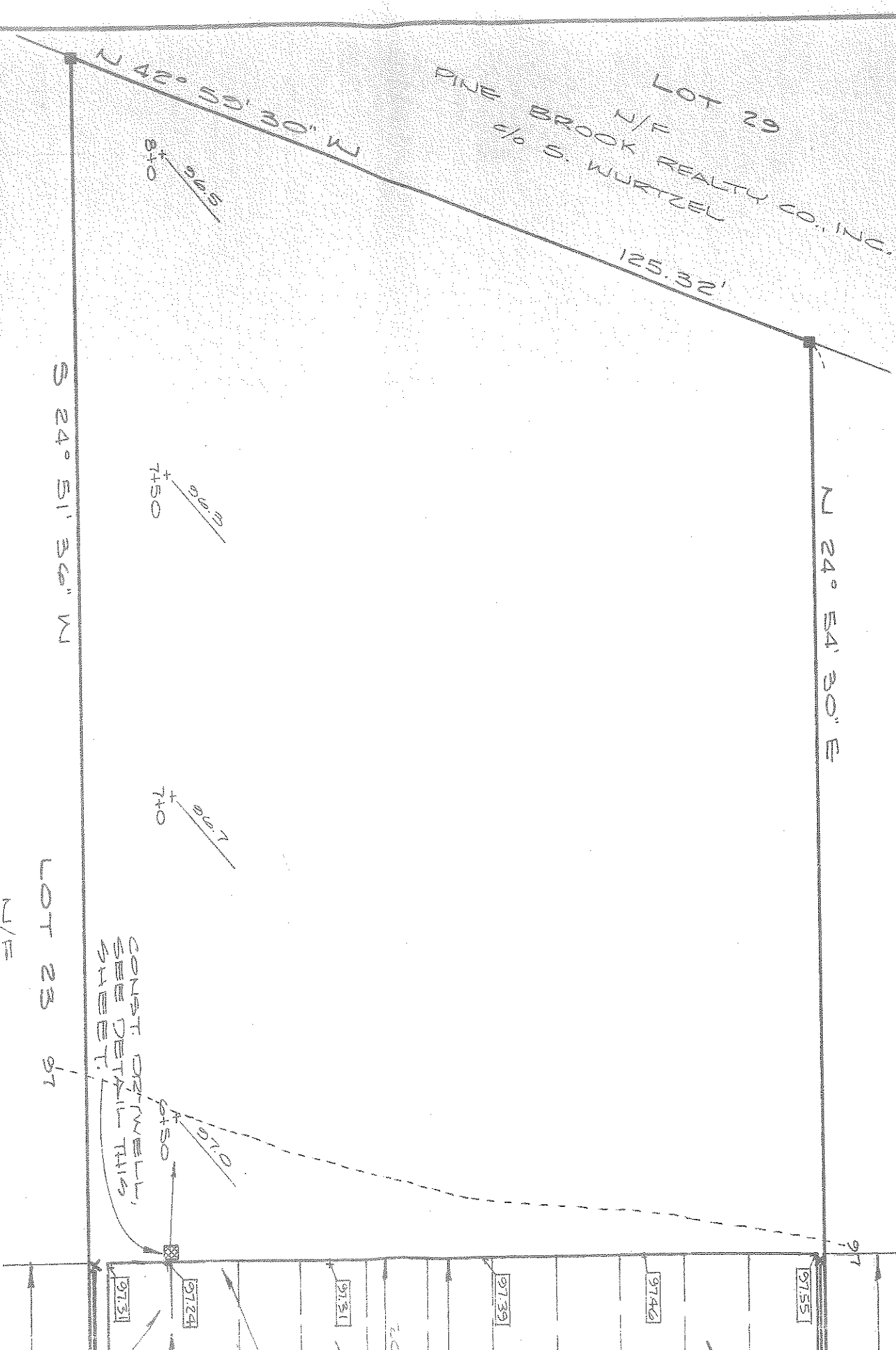
KEEP MAP

SCALE 1"=2000'

LOT 18

N/E

WM. E. & DOROTHY
FITZGERALD



LOT 29

N/E
PINE BROOK REALTY CO., INC.
c/o S. WURTZEL

125.32'

N 24° E 4' 30" E

N 42° 55' 30" W

S 24° 51' 30" W

LOT 23 97'

N/E

WILLIAM W. & KATHLEEN
MCDANIEL

CONST. DETAIL,
SEE DETAIL THIS
SHEET.

97.55
97.46
97.39
97.31
97.24
97.31

PINE BROOK
6% S. WIDE

N 42° 55' 30" W

8+0 0.66%

7+50 0.67%

7+0 0.67%

6+50 0.1%

CONST. ORDNANCE,
SEE DETAIL THIS
SHEET.

97.33
97.24
97.31
97.31

S 24° 51' 30" W

LOT 23 97

N/E
WILLIAM W. & KATHLEEN
MCDANIEL

APPROVED BY

LAKEWOOD TOWNSHIP PLANNING BOARD

CHAIRMAN

SECRETARY

ATTEST

June 19 1973
DATE

SITE PLAN APPROVAL

OCEAN COUNTY PLANNING BOARD

Chairman

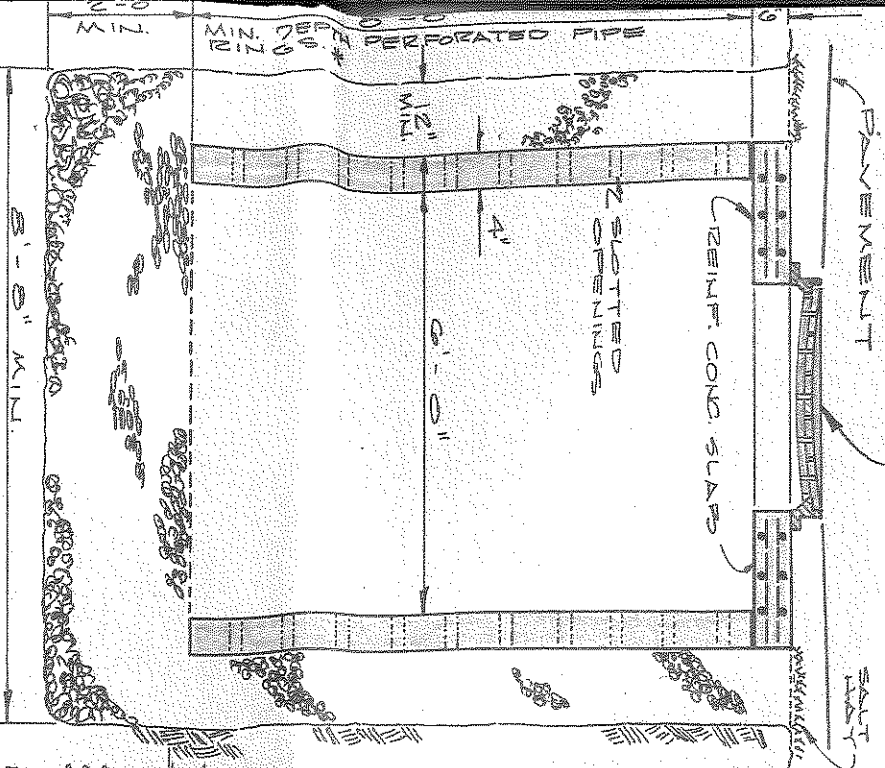
CHAIRMAN

20 June 1973
DATE

Top

SEWERAGE SYSTEM DESIGN
(PROPOSED FELLOWSHIP HALL)

HEAVY DUTY CAMPBELL
FOUNDED SEATING;
OR APPROVED
EQUAL.



ESTIMATED USAGE: 50 PERSONS @ 5 GPD = 250 GPD
KITCHEN WASTE (VOLUME OF FLOW INCREASED 50%) = 111.31
TOTAL = 375 GPD.

MIN. SEPTIC TANK: 1.5 X 375 = 463 GAL.

(MIN. CAPACITY PER CH. 199 PL 1954, REVISED 1963 = 75

USE 1 WARREN 750 GAL. SEPTIC TANK - MODEL # 75

PERCOLATION RATE = 2.33'/INCH

SEEPAGE AREA = 0.37 FT.² / GAL.
463 X 0.37 = 171.31 # TOTAL AREA REQ'D.

USE 1 WARREN PRECAST SEEPAGE PIT MODEL # 75
1 WARREN PRECAST RING SECTION MODEL # 75
= 181.42 # (SIDE WALLS ONLY)

NOTE:

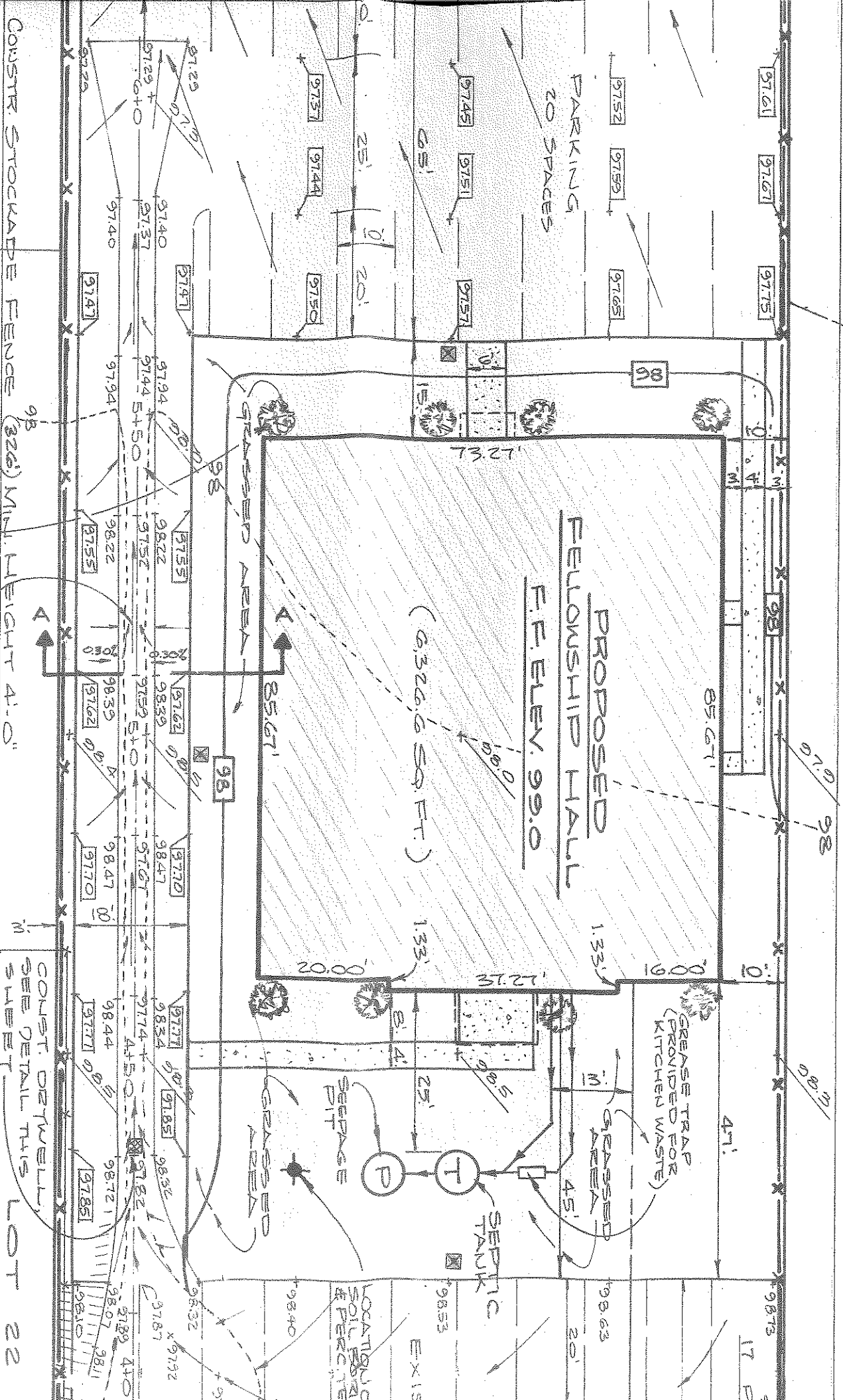
AN ACCEPTABLE ALTERNATE DESIGN
IS A SQUARE CROSS SECTION
OF 6' X 6' INTERNAL AREA.
CONSTRUCTED OF CONC.
CAST RASING BLOCKS WITH
UNSTARRED OPENINGS
IN STARRED LOCATIONS.

TYPICAL DRIVEWELL
(MIN. STANDARDS)
NOT TO SCALE

LOT 19-A
N/F

MARTIN & RITA SILVERMAN

CONSTR. STOCKADE FENCE (278') MIN. HEIGHT 4'-0"



LOT 22

EXIST. 6' WIDE
PAVED DRAINAGE
(TO BE REMOVED)

CONSTR. DRIVEWELL
SEE DETAIL THIS
SHEET

EVERGREENS, 18" TO 24" HIGH.
HOLLY, JUNIPER, YEW,
JAPANESE HOLLY, OR OTHER
EVERGREEN TYPE SHRUBS.

N/F
WILLIAM W. & KATH
MCDANIEL

SOIL LOG

1	SC
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H₂O

PERCOLATION RATE: 2.33"/INCH
BORING TAKEN 6/6/73

PD
25 GRD
BOA
BO (GAL.)
#7 HD
DR-3

WITH THE
REVISED 1963.

PIERSON J. & DORIS ESTELLE

LOT 19

U/E

481.04'

65° 05' 30" N

MON. END.
B.M. ELEV. 100.32

2-CAR
GAR.

EXIST.
FR. OWELL

1-STORY

1-STORY

WALK.

BIT. DRIVE

BIT DRIVE

119.32'

MONTRE

LOT 20

LOT 21

EXISTING
WOODED AREA

PROPOSED
1" WATER SERVICE

2" F.A.B.C. W/6" GRVEL BASE

PARKING

PARKING SPACES

EXISTING PARKING

EXISTING PARKING

EXIST. WIRE FENCE
SLOPE TO MATCH EXISTING
GRADE AT PROPERTY LINE

EXISTING DRIVE

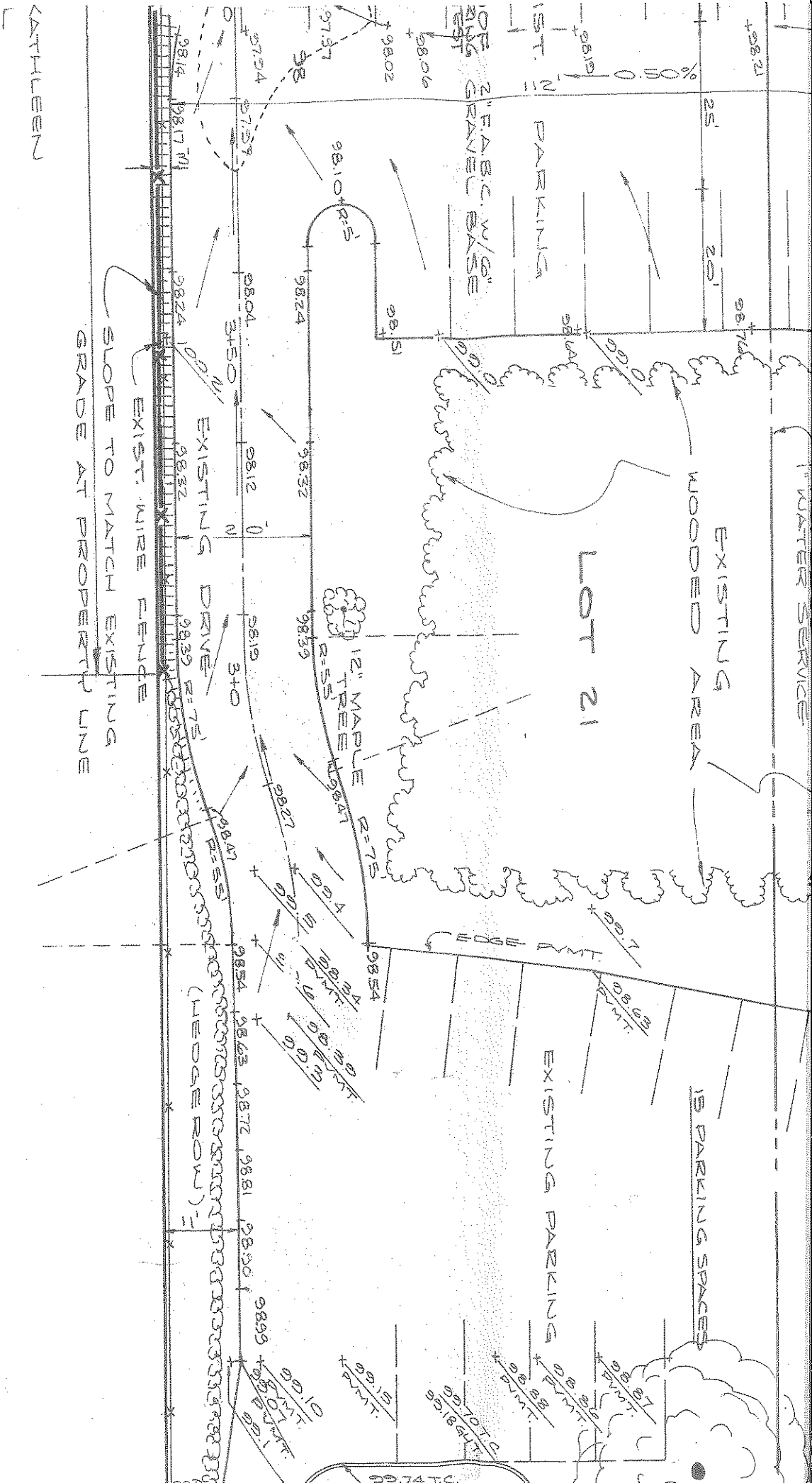
12" MAPLE R=75
R=55

(HEDGE ROW)

NOTES

BUILDING ORIENTATION, WALKS, PAINT
ETC., IN ACCORDANCE WITH: JOSEPH

KATHLEEN



NOTES

"TOWN & COUNTRY"
#HITS C39-22 (7100 LUMENS)
IT RISER MODEL "HERCULES 17"

LUTHERAN CHURCH
OOD, N.J. 08701

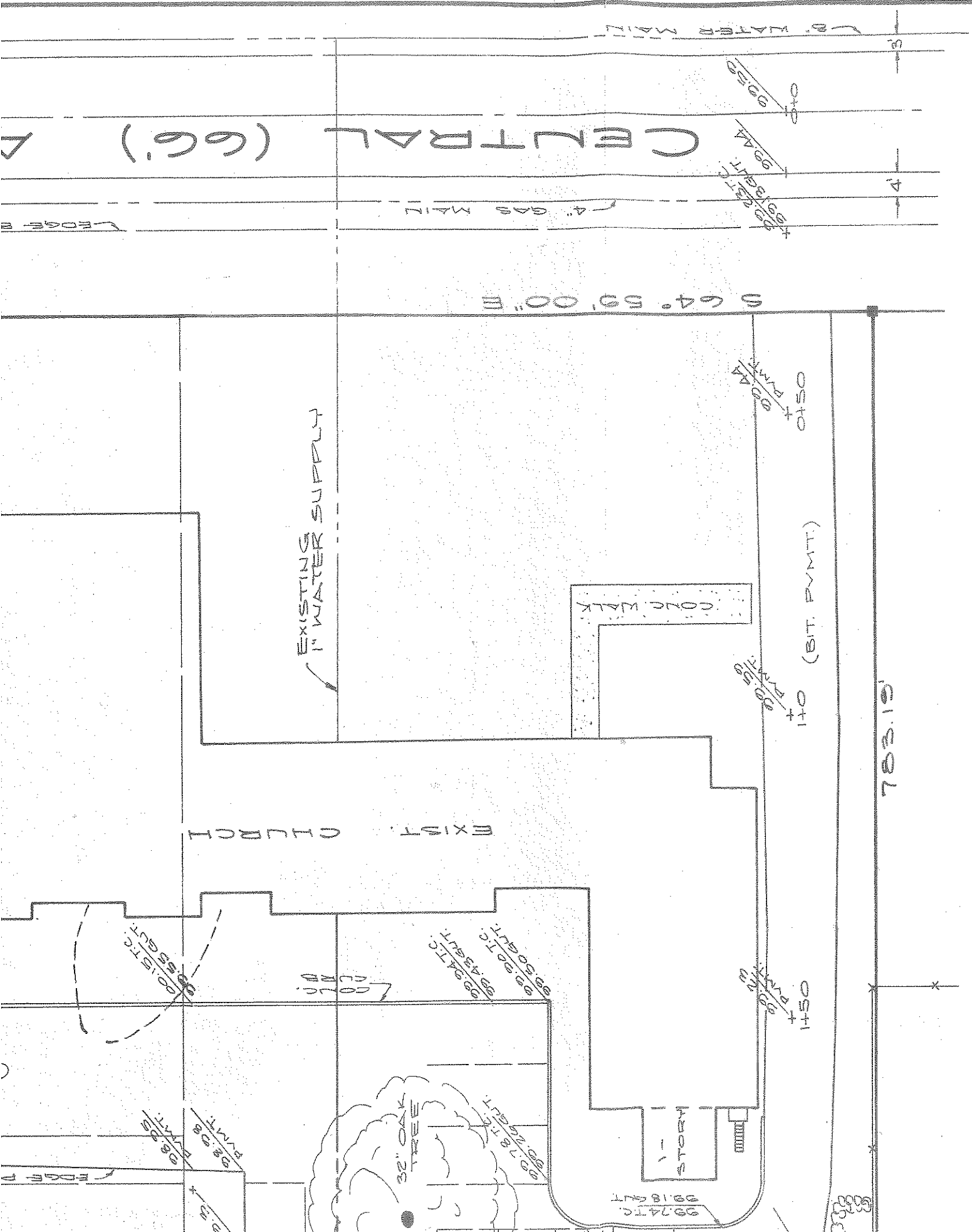
JALKS, PARKING, ETC.,
JOSEPH E. COBLE,
H CUNNINGHAM,

BOUNDARY INFORMATION PER N
ENTITLED "SURVEY & TOPOGRAPH
PLAN FOR EVANGELICAL LUTHE
MANUEL CHURCH OF LAKEWOOD
VICINITY, INC." PREPARED BY STA
B. PETERS L.S.#11777, DATED 19 M
LAKEWOOD TOWNSHIP TAX M
SHEET 71.
R-12 ZONE (PERMITTED USE)
TOTAL PARKING SPACES - 33

LEGEND

- +38.44 INDICATES EXISTING ELEVATION
- +37.77 INDICATES PROPOSED FINISHED
- INDICATES SURFACE DRAIN
- 38--- INDICATES EXISTING CONTOUR
- 38— INDICATES PROPOSED CONTOUR

RE: IMMANUEL EVANGELICAL



PARKING,
PH. F.
UNNINGHAM,
MAP
ERAN
D AND
TANLEY
MAY 1966.

ADDED STOCKADE FENCE, GRASS AREA & SHRUBS AROUND FELLOWSHIP HALL, DRYWELL DETAIL, REVISION	7/16/73	ELS
ADDED PROPOSED FELLOWSHIP HALL	8/8/73	ELS
DESCRIPTION OF REVISION	DATE	DRAWN
	CHECKED	APPROVED

SITE PLAN

LOTS 20, 20-A, 20-B, 21
BLOCK 284

LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

Marcus H. Russell, P.E. & L.S. No. 12131 Richard P. Russ, P.E. & L.S. No. 18665 Arthur A. Collard, P.E. No. 3528 Hubert Fried, L.S. No. 16758 Linuel P. Lloyd, Jr. L.S. No. 15559		RUSSELL and WALLACE Civil Engineering and Land Surveying 132 Hooper Avenue Toms River, New Jersey 08753		DESIGNED E.L.S. FIELD D.E.	DRAWN C.H.W.	CHECKED [Signature]	APPROVED [Signature]	FILE NO. 70-44
Lic. No. 12131				SCALE 1" = 20'		DATE JULY 15, 1970		BOOK L-13
DWG. NO. LT-027				SHEET 1 OF 1				

L LUTHERAN CHURCH

Plan Hold R. 5, 2, B

$\frac{1}{2} \left(\frac{1}{2} \right)$

4-02707

0-9664

4-219.27

192.90

10	15
20	25

(BIT PWT)

EDGE PMT

CHEN
XIN

[illegible]

CONFIDENTIAL

$$\begin{matrix} 0 \\ + \\ + \\ + \end{matrix} \quad \begin{matrix} (B-F) \\ D \\ \sum F \end{matrix}$$

1450
1/4

564.55.00

7. GAS MAIL

now $\frac{1}{2} \times 100 = 50$

CENTRAL (GG) AVE

—BASE CONC DVT.

EDGE CONC. PMT

LEDBET BIT. PMT.