AMHERST WOODS Lot 100 48-10
(Pending)

Sinead.

MAR 28 1988

No. 88-10 FEE 90.00 pt

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST MASS

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct (X) or Repair ( ) an Individual Sewage Disposal System at:

AMHERST WOODS LOT 100 AMHERST, MASS
Location - Address or Lot No.

W.S. HALL INC. PO BOX 511 AMHERST MASS
Owner Address

Installer Address

Type of Building Size Lot 1.973 ACRES Sq. feet

Dwelling — No. of Bedrooms 4 bedrms Expansion Attic (—) Garbage Grinder (1)

Other — Type of Building Residential No. of persons 8 Showers (2) — Cafeteria (—)

Other fixtures 2½ BATHROOMS, FULL BMT WITH DISPOSAL

Design Flow 110 gallons per ~~person~~ bed per day. Total daily flow 440 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 12'6 Width 5'0 Diameter — Depth 5'0

Disposal ~~Trench~~ Field No. 1 Width 24' Total Length 30 Total leaching area 720 sq. ft.

Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box (1) Dosing tank ( )

Percolation Test Results Performed by FA FILIOS Date 4/26/85

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit Depth to ground water

Test Pit No. 2 minutes per inch Depth of Test Pit Depth to ground water

Description of Soil TP 100 0-4" TOPSOIL 4"-48" SUBSOIL 48"-120" COARSE SAND & gravel NO H2O or Oxides SECOND

Nature of Repairs or Alterations — Answer when applicable TEST PIT WAVED CONTINUOUS LOTS WITH 99 100 101 102. Bd of Health

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed Timothy F. Washburn Atty. for W.S. Hall, Inc. & Warren S. Hall 3/24/88 Date

Application Approved By Date

Application Disapproved *for the following reasons:* larger leaching system needed 3/28/88 Date

Permit No. Issued Date

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by Installer at has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. dated

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE Inspector

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

No. FEE

Disposal Works Construction Permit

Permission is hereby granted to Construct ( ) or Repair ( ) an Individual Sewage Disposal System at No. Street as shown on the application for Disposal Works Construction Permit No. Dated

Board of Health

DATE

FORM 1255 A. M. SULKIN, INC., BOSTON

No. 88-10

$90 pd.

FEE

AMHERST HEALTH DEPARTMENT
BANGS COMMUNITY CENTER
BOLTWOOD WALK
AMHERST, MA 01002
MAR 29 1988

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

30148 MA. PE.

TOWN OF Amherst MASS

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct ( ) or Repair ( ) an Individual Sewage Disposal System at:

AMHERST, WOODS — Location, Address
LOT #100 Amherst WOODS — or Lot No.
W.S. HALL INC — Owner
NORTHAMPTON, MASS — Address
Richard Roberts — Installer
Leverett, MA — Address

Type of Building — Size Lot 1.973 ACRES ~~Sq. feet~~

Dwelling — No. of Bedrooms 4 bedrooms Expansion Attic ~~( )~~ Garbage Grinder (1)

Other — Type of Building Residential No. of persons 8 Showers (2) — ~~Cafeteria~~ ( )

Other fixtures 2½ bathrooms, 4 bedrooms with disposal

Design Flow 110 gallons per ~~person~~ bed/m per day. Total daily flow 440 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 12'6" Width 5'0 Diameter — Depth 5'0

Disposal ~~Trench~~ FIELD — No. 1 Width 24' Total Length 35' Total leaching area 840 sq. ft.

Seepage Pit No. ..... Diameter ..... Depth below inlet ..... Total leaching area ..... sq. ft.

Other Distribution box (1) Dosing tank ( )

Percolation Test Results Performed by F.A. FILIOS, RS Date 4/26/85

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 40" Depth to ground water DNA

Test Pit No. 2 ..... minutes per inch Depth of Test Pit ..... Depth to ground water .....

Description of Soil TP1 0-4" TOPSOIL 4"-48" SUB SOIL 48-720" Coarse sand and gravel NO H2O or oxides

Nature of Repairs or Alterations — Answer when applicable TP2 WOT REQD PER Bd OF Health continous Lots

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

X Signed [signature] Date

Application Approved By Dennis A. Pinski CHD. RS. 3/30/88 Date

Application Disapproved *for the following reasons:* .....

Date

Permit No. 88-10 Issued ..... Date

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( )

by ..... Installer

at .....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. 88-10 dated .....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE ..... Inspector .....

Designer to certify that the subsurface sewage disposal system is installed in accordance with the approved plan Title V reg 15.02(8)

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 88-10 Town OF Amherst FEE $90 pd

Disposal Works Construction Permit

Permission is hereby granted Richard Roberts

to Construct (X) or Repair ( ) an Individual Sewage Disposal System

at No. W.S. Hall Inc. Street Lot #100 Amherst Woods

as shown on the application for Disposal Works Construction Permit No. 88-10 Dated .....

for Amherst Health Dept.: Dennis A. Pinski
Board of Health

DATE March 29, 1988

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

No. 88-10 FEE $90 pd.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst MASS

30148 MA. PE.

Wellington

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct ( ) or Repair ( ) an Individual Sewage Disposal System at:

AMHERST, WOODS (Location - Address) LOT #100 Amherst WOODS (or Lot No.)

W.S. HALL INC (Owner) NORTHAMPTON, MASS (Address)

Richard Roberts (Installer) Leverett, MA (Address)

Type of Building Size Lot 1.973 ACRES ~~Sq. feet~~

Dwelling — No. of Bedrooms 4 bedrooms Expansion Attic ~~( )~~ Garbage Grinder (1)

Other — Type of Building Residential No. of persons 8 Showers (2) — ~~Cafeteria~~ ( )

Other fixtures 2½ bathrooms, 4 bedrooms with disposal

Design Flow 110 gallons per ~~person~~ bed/m per day. Total daily flow 440 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 12'6" Width 5'0 Diameter — Depth 5'0

Disposal ~~Trench~~ Field — No. 1 Width 24' Total Length 35' Total leaching area 840 sq. ft.

Seepage Pit No. ..... Diameter ..... Depth below inlet ..... Total leaching area ..... sq. ft.

Other Distribution box (1) Dosing tank ( )

Percolation Test Results Performed by F.A. FILIOS, RS Date 4/26/85

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 40" Depth to ground water DNA

Test Pit No. 2 ..... minutes per inch Depth of Test Pit ..... Depth to ground water .....

Description of Soil TP1 0-4" TOPSOIL 4"-48" SUB SOIL 48-120" Coarse sand and gravel NO H2O or oxides

Nature of Repairs or Alterations — Answer when applicable TP2 WAT REQD PER BD OF Health continous Lots

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

X Signed Wanda Hall Date

Application Approved By Dennis A. Pinski CHD. RS. 3/30/88 Date

Application Disapproved *for the following reasons:* ..... Date

Permit No. 88-10 Issued ..... Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by ..... Installer

at .....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. 88-10 dated .....

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE ..... Inspector .....

Designer to certify that the subsurface sewage disposal system is installed in accordance with the approved plan Title V reg 15.02(8)

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 88-10 Town OF Amherst FEE $90 pd

Disposal Works Construction Permit

Permission is hereby granted Richard Roberts

to Construct (X) or Repair ( ) an Individual Sewage Disposal System

at No. W.S. Hall Inc. (Street) Lot #100 Amherst Woods

as shown on the application for Disposal Works Construction Permit No. 88-10 Dated .....

for Amherst Health Dept: Dennis A. Pinski (Board of Health)

DATE March 29, 1988

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

CHECK OR FILL IN WHERE APPLICABLE

Town of

Permit 88-10

AMHERST Massachusetts

AMHERST HEALTH DEPARTMENT
70 BOLTWOOD WALK
AMHERST, MA 01002-2128
(413) 253-7077

Bettye Anderson Frederic, Director

March 30, 1988

file

W.S. Hall, Inc.
P.O. Box 511
Amherst, MA 01002

Dear Mr. Hall,

This office is in receipt of a subsurface sewage disposal system design plan for Lot #100, Amherst Woods in Amherst, MA.

A review of the proposed design revealed that the following plan revisions are needed:

1. Size of the leaching facility is not adequate for the intended use. Town of Amherst's supplementary Title V regulations require that estimated daily sewage flow rates be increased by a factor of 1.25 above state levels. Capacity of the leaching system should be adequate for the disposal of a minimum of 825 gallons of effluent per day.

2. Plans should specify (either in construction notes or plan overview section) the extent of removal of the topsoild and subsoil layer in the proposed leaching system area to achieve compliance with Title V, reg. 15.02(17).

The plan should be revised by the designer and resubmitted with a revised application to this office for review.

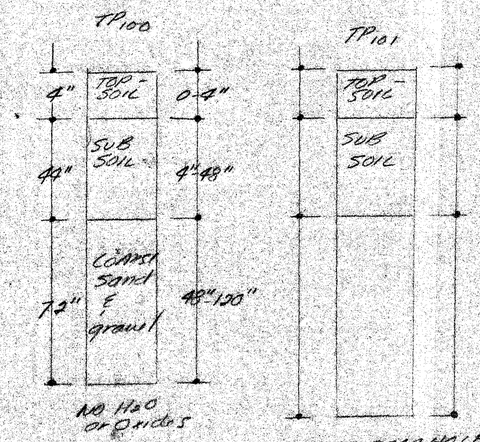
Please contact me (tel. 253-7077) if you have any questions relative to this matter.

Sincerely,

Dennis A. Pinski

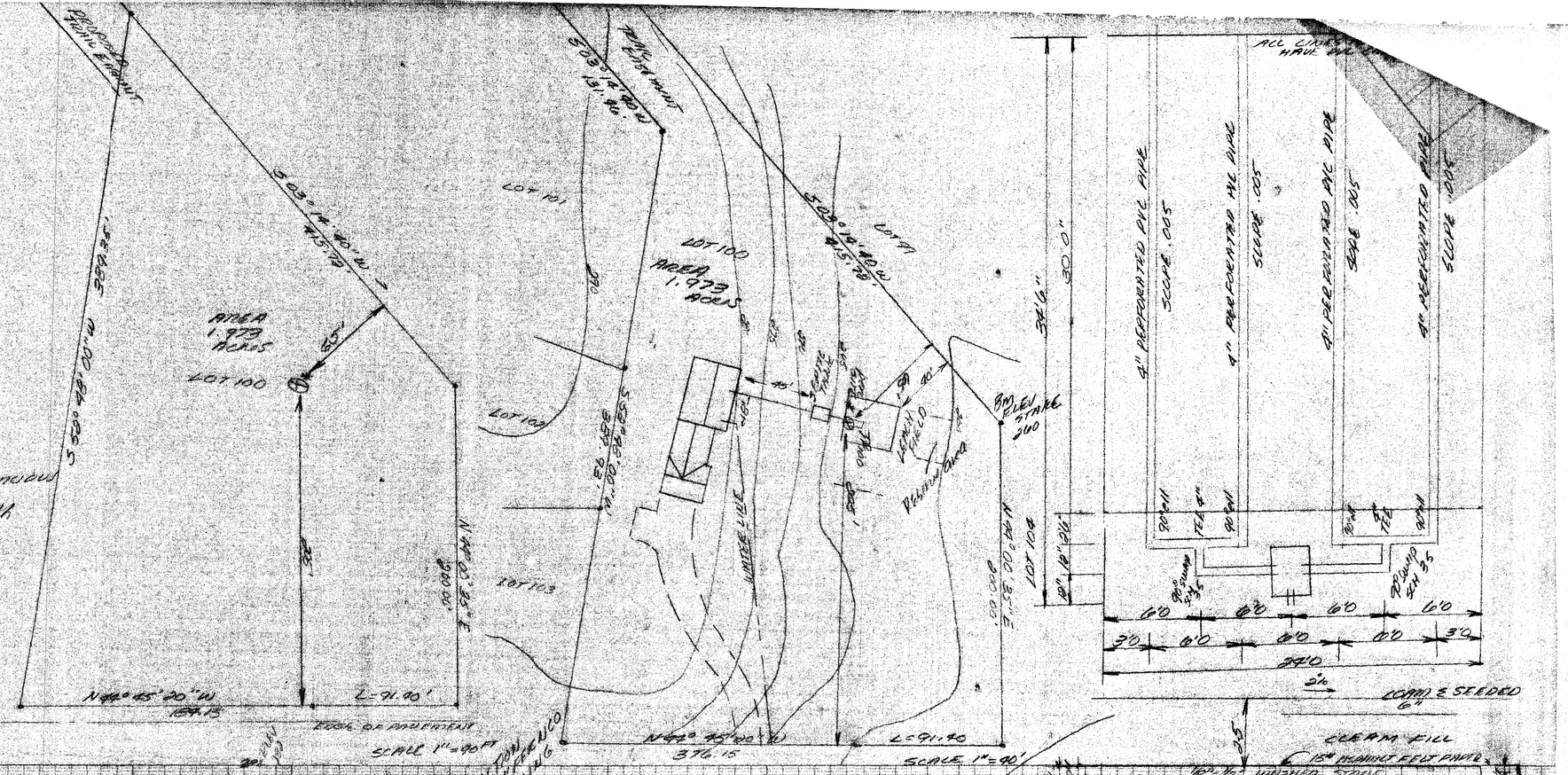
Dennis A. Pinski, C.H.O.,R.S.

cc: Atty. Timothy F. Washburn



AMHERST WOODS
LOT 100
Amherst, MASS
F.A. FILIOS R.S.
C. DRAKE, WITNESS
DATE: 4/26/85
PERCOLATION TEST
Depth 40"
RATE 2.0 MIN/INCH

SECOND DEEP HOLE
NOT REQUIRED CONTINUOUS
LOTS WITH 101 & 99
Oked By Bd of Heath



DESIGN INFORMATION

① ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15 (TITLE 5) AND LOCAL BOARD OF HEALTH REGULATIONS

② FINISH CONTOURS AND EXISTING PROFILE TO REMAIN SIMILAR ONLY MINOR GRADING TO BE COMPLETED. NOTE AREA OVER SEPTIC TANK IN PROFILE

DESIGN CRITERIA

USE SINGLE FAMILY RESIDENCE 4 BEDROOMS, FULL BMT, 2 1/2 BATHROOMS WITH DISPOSAL

DESIGN FLOW 310 CMR 15.02
110 gal/bedrm x 4 bedrms = 440 gal/day

SEPTIC TANK 310 CMR 15.06
440 gal/day x 200% = 880 gals
1500 gal tank MINIMUM SIZE PERMITTED
USE TANK AVAILABLE LOCALLY
12'6" x 5'0 x 5'0 (54" TO INLET INV ELEV FROM BOTTOM)

LEACHING SYSTEM
DUE TO DEPTH OF TOP & SUB SOIL LAYER (48") AND 10 FT OVERALL DEPTH OF PERC TEST DEEP HOLE, A LEACH FIELD DESIGN WAS USED

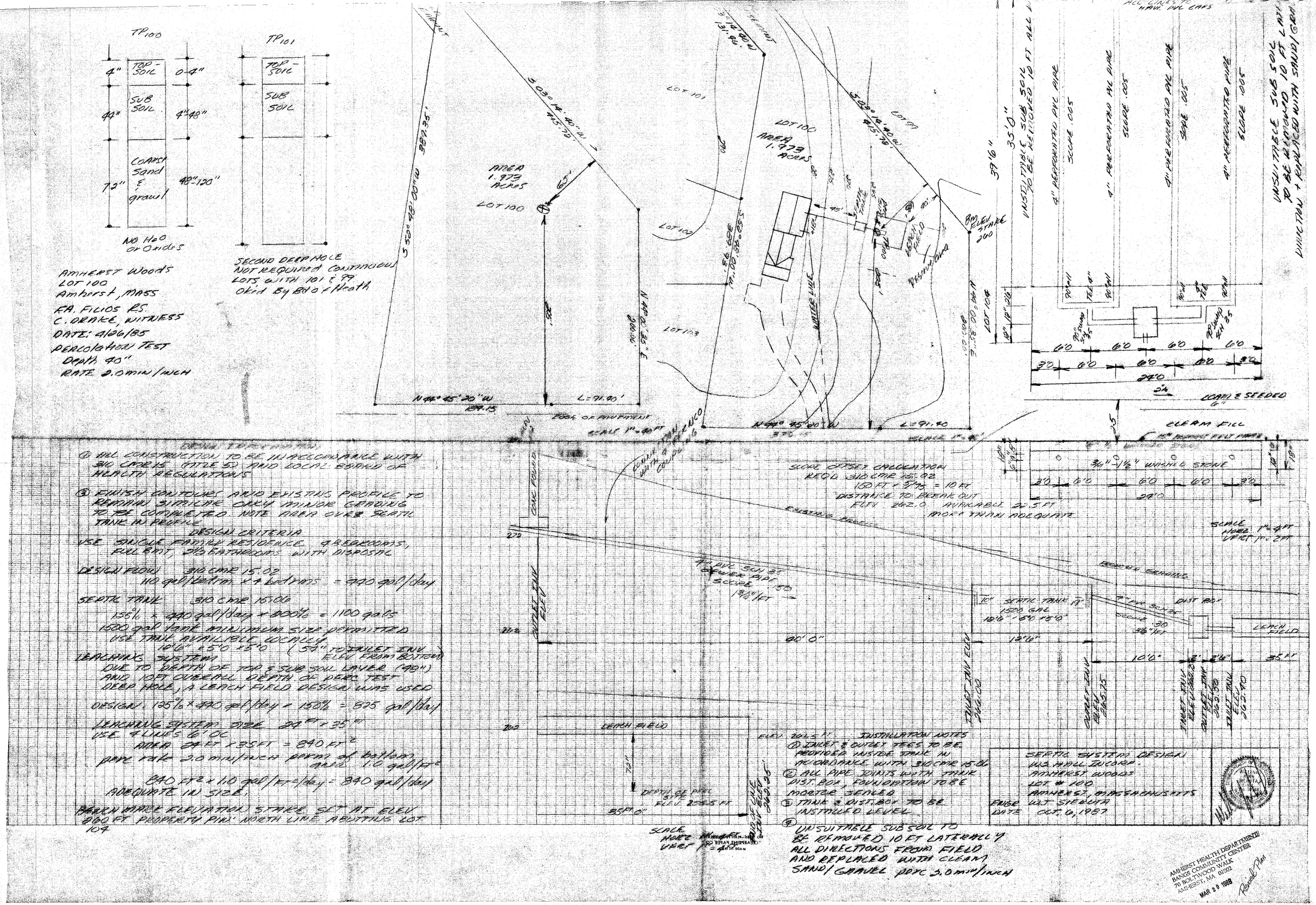
DESIGN REQ'D 440 gal/day x 150% = 660 gal/day

LEACHING SYSTEM SIZE 24 FT x 30 FT
USE 4 LINES 6' OC
AREA 24 FT x 30 FT = 780 FT²
perc rate 2.0 min/inch perm of bottom area 1.0 gal/ft²
780 FT² x 1.0 gal/FT²/day = 780 gal/day
ADEQUATE IN SIZE.

BENCH MARK ELEVATION STAKE SET AT ELEV 260 FT PROPERTY PIN NORTH LINE ABUTTING LOT 104

ELEV 261.5 FT INSTALLATION NOTES
① INLET & OUTLET TEES TO BE PROVIDED INSIDE TANK IN ACCORDANCE WITH 310 CMR 15.06
② ALL PIPE JOINTS WITH TANK DIST. BOX, FOUNDATION TO BE MORTAR SEALED
③ TANK & DIST. BOX TO BE INSTALLED LEVEL
④

SEPTIC SYSTEM DESIGN
W.S. HALL INCORP.
AMHERST WOODS
LOT # 100
AMHERST, MASSACHUSETTS
ENGR W.J. SIEKUTA
DATE OCT. 6, 1987



DESIGN PROPOSAL

① ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15 (TITLE 5) AND LOCAL BOARD OF HEALTH REGULATIONS

② FINISH CONTOURS AND EXISTING PROFILE TO REMAIN SIMILAR ONLY MINOR GRADING TO BE COMPLETED. NOTE AREA OVER SEPTIC TANK IN PROFILE

DESIGN CRITERIA

USE SINGLE FAMILY RESIDENCE 4 BEDROOMS, FULL BMT, 2 1/2 BATHROOMS WITH DISPOSAL

DESIGN FLOW 310 CMR 15.02
110 gal/bedrm × 4 bedrms = 440 gal/day

SEPTIC TANK 310 CMR 15.06
155% × 440 gal/day × 200% = 1100 gals
1500 gal tank minimum size permitted
USE TANK AVAILABLE LOCALLY
12'6" × 5'0 × 5'0 (54" TO INLET INV ELEV FROM BOTTOM)

LEACHING SYSTEM
DUE TO DEPTH OF TOP & SUB SOIL LAYER (48") AND 10 FT OVERALL DEPTH OF PERC TEST DEEP HOLE, A LEACH FIELD DESIGN WAS USED

DESIGN 125% × 440 gal/day × 150% = 825 gal/day

LEACHING SYSTEM SIZE 24 FT × 35 FT
USE 4 LINES 6' OC
AREA 24 FT × 35 FT = 840 FT²
perc rate 2.0 min/inch perm of bottom area 1.0 gal/FT²
840 FT² × 1.0 gal/FT²/day = 840 gal/day
ADEQUATE IN SIZE.

BENCH MARK ELEVATION STAKE SET AT ELEV 260 FT PROPERTY PIN NORTH LINE ABUTTING LOT 104