211 Iduna Lane

MHP
JUN
JUE

JUN 14 1988

Need fee & signature on appl.

No. 88-23

FEE 90.00

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS MARY ALYSSA RUSIECKI No. 834 REGISTERED SANITARIAN

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

IDUNA LANE — LOT 16
Location - Address — or Lot No.

ROBERT SULLIVAN — 2 TEASBURY LANE AMHERST
Owner — Address

RICHARD ROBERTS — LEVERETT
Installer — Address

Type of Building — Size Lot 1+acre Sq. feet

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

Other — Type of Building residence No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 55 gallons per person per day. Total daily flow 660 gallons.

Septic Tank — Liquid capacity 150 gallons Length 120" Width 60" Diameter 5 Depth 55"

Disposal Trench — No. ..... Width E-74.5 W-70.46 Total Length ..... Total leaching area ..... sq. ft.

Seepage Pit No. 1 Diameter ..... Depth below inlet 4.66' Total leaching area 384 sq. ft.

Other Distribution box (YES) Dosing tank ( )

Percolation Test Results Performed by SITE DESIGN Date 24 MAR 88

Test Pit No. 1 2 minutes per inch Depth of Test Pit 54" Depth to ground water dry

Test Pit No. 2 2 minutes per inch Depth of Test Pit 52" Depth to ground water dry

DENNIS PINSKI WITNESSED

Description of Soil SEE PLANS

Nature of Repairs or Alterations — Answer when applicable .....

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 [signature] 6/14/88 Date

Application Approved By ..... Date

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

Permit No. ..... Issued ..... Date

CHECK OR FILL IN WHERE APPLICABLE

9/1/88 oked change in propel regarding D.P.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Certificate of Compliance

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

by RICHARD ROBERTS
Installer

at LOT 16 IDUNA LANE

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

TOWN OF AMHERST

No. ..... FEE .....

Disposal Works Construction Permit

Permission is hereby granted RICHARD ROBERTS

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

at No. LOT 16 IDUNA LANE
Street

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

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

DATE June 9, 1988

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

Need fee + signature on appl.

No..... Fee.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town ..... of Amherst .....

MARY ALYSSA RUSIECKI No. 904 REGISTERED SANITARIAN

Application for Disposal Works Construction Permit

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

Iduna Lane (Location - Address) ..... Lot 16 (or Lot No.) .....

Robert Sullivan (Owner) ..... 2 Teasbury Lane Amherst (Address) .....

Richard Roberts (Installer) ..... Leverett (Address) .....

Type of Building ..... Size Lot 1+ acre Sq. feet

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

Other — Type of Building residence No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 55 gallons per person per day. Total daily flow 660 gallons.

Septic Tank — Liquid capacity 150 gallons Length 120" Width 60" Diameter 5 Depth 55"

Disposal Trench — No. ..... Width ~~W 10-4/6~~ Total Length ..... Total leaching area ..... sq. ft.

Seepage Pit No. 1 Diameter ..... Depth below inlet 4.66' Total leaching area 324 sq. ft.

Other Distribution box (YES) Dosing tank ( )

Percolation Test Results Performed by Site Design Date 24 MAR 88

Test Pit No. 1 2 minutes per inch Depth of Test Pit 54" Depth to ground water dry

Test Pit No. 2 2 minutes per inch Depth of Test Pit 52" Depth to ground water dry

Dennis Piriski witnessed

Description of Soil See Plans

Nature of Repairs or Alterations — Answer when applicable .....

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 [signature] 6/14/88 (Date)

Application Approved By ..... Date .....

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

Date .....

Permit No. ..... Issued ..... (Date)

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town ..... of Amherst .....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (✱) or Repaired ( ) by Richard Roberts (Installer) at Lot 16 Iduna Lane 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

Town ..... of Amherst .....

No. ..... Fee .....

Disposal Works Construction Permit

Permission is hereby granted Richard Roberts to Construct (✱) or Repair ( ) an Individual Sewage Disposal System at No. Lot 16 Iduna Lane (Street) as shown on the application for Disposal Works Construction Permit No. ..... Dated .....

for Amherst Health Dept: [signature] (Board of Health)

DATE June 9, 1988

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

CHECK OR FILL IN WHERE APPLICABLE

Lot 16

MAY 24 1989 Revised

No. 88-23 Revised

FEE Pd 6/88

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST MASS

COMMONWEALTH OF MASSACHUSETTS WILLIAM JOHN SIERUTA CIVIL No. 30148 REGISTERED PROFESSIONAL ENGINEER

Application for Disposal Works Construction Permit

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

16 IDUNA LANE AMHERST MASS LOT 16
Location - Address or Lot No.

ROBERT SULLIVAN 2 TEABERY LANE AMHERST MASS
Owner Address

R. ROBERTS Hemingway Rd Leverett
Installer Address

Type of Building Size Lot — Sq. feet

Dwelling — No. of Bedrooms 4 bedroom Expansion Attic (—) Garbage Grinder (/)

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

Other fixtures Full Bath with Showers

Design Flow 110 gallons per ~~person~~ bedroom per day. Total daily flow 440 x 1.25 gallons = 550 Gal/day

Septic Tank — Liquid capacity 1500 gallons Length 10'6" Width 5'0" Diameter Depth 5'0"

Disposal Trench — No. Width Total Length Total leaching area sq. ft.

Seepage Pit No. 1 Diameter 18' x 13' Depth below inlet 3.9' Total leaching area sq. ft.

Other Distribution box ( ) Dosing tank ( ) Bottom 234 ft² 5120

Percolation Test Results Performed by WJ SIERUTA Date 4/26/89

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 72" Depth to ground water DNA

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

Description of Soil TP-1 0-9" OTS 9"-19" SILTY SAND 19-136" COARSE SAND DH. 0-9 LOAM 9-19 SUBSOIL 19-127 GRAVEL med SAND No H2O DH. 0-10 TOPSOIL 10-19 SUBSOIL

Nature of Repairs or Alterations — Answer when applicable 19-130 BOULDER gravel FINE SUGAR SAND No H2O

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 x Richard A. Roberts Jr 5-20-89
Date

Application Approved By Date

Application Disapproved *for the following reasons:*

Date

Permit No. 88-23 Issued
Date

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

Certificate of Compliance

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

at 16 IDUNA LANE

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. 88-23 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

No. 88-23 TOWN OF Amherst FEE Pd 6/88

Disposal Works Construction Permit

Permission is hereby granted Richard Roberts

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

at No. 16 IDUNA LANE
Street

as shown on the application for Disposal Works Construction Permit No. 88-23 Dated

Board of Health

DATE

FORM 1255 A. M. SULKIN, BOSTON

88-23

AMHERST HEALTH DEPARTMENT
BANGS COMMUNITY CENTER
70 BOLTWOOD WALK
AMHERST, MA 01002

SOIL EXAMINATIONS / PERCOLATION TESTS

JOB #

LOCATION OF PROP.: Robert Sullivan (Bud Kellogg)
Iduna Lane (Lots #15+16)

LOT NO.: Amherst, MA

DATE PERFORMED: March 24, 1988

PERFORMED BY: Alyssa Rusiecki R.S.

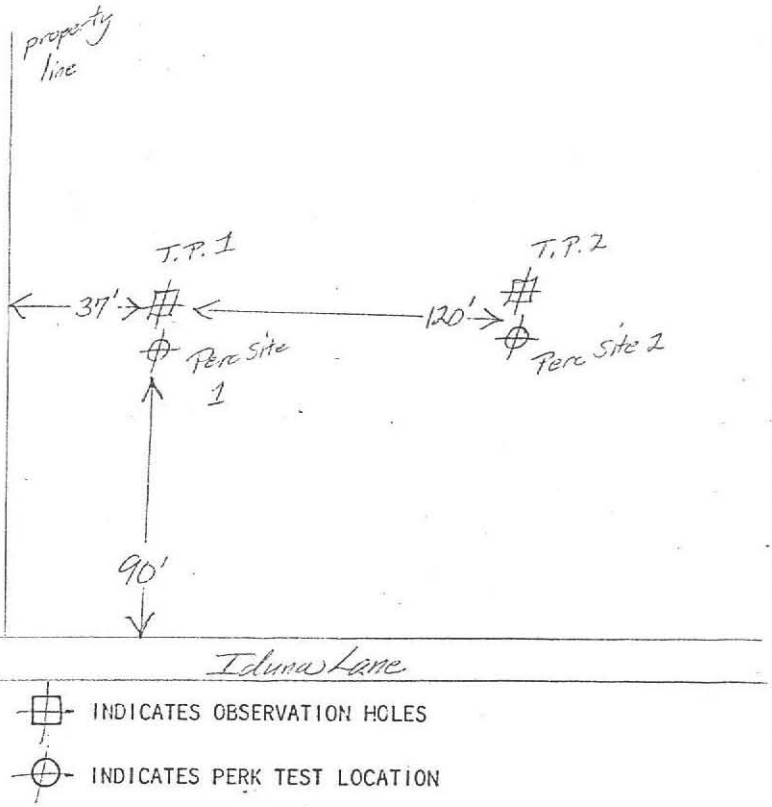
WITNESSED BY: for Amherst Health Dept.: D. Rinaldi

PERK TEST RESULTS: (tabulation on back)

1. 2 minutes/inch depth of perc test pit 52"
2. 2 minutes/inch " " " " " 54"
3.
4.

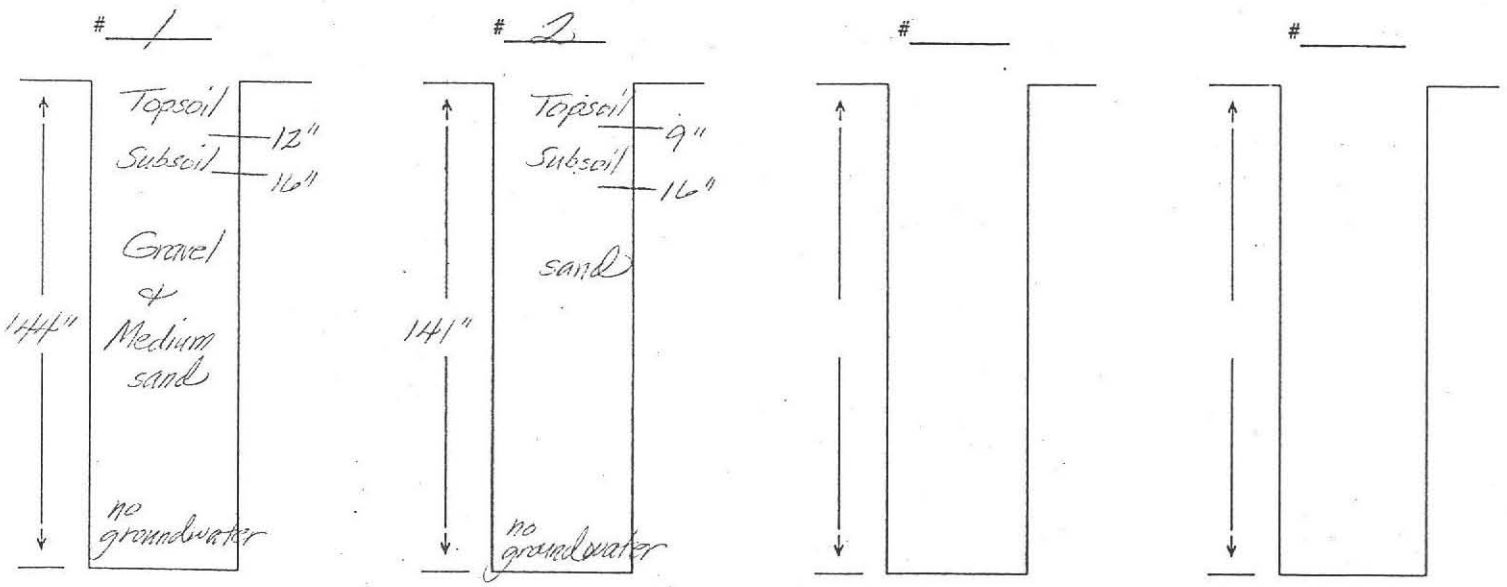
COMMENTS: Area is suitable for the installation of a subsurface sewage disposal system. Hold for design plan. Property to be serviced by Town Water.

SKETCH PLAN No Scale



denotes groundwater

OBSERVATION HOLES

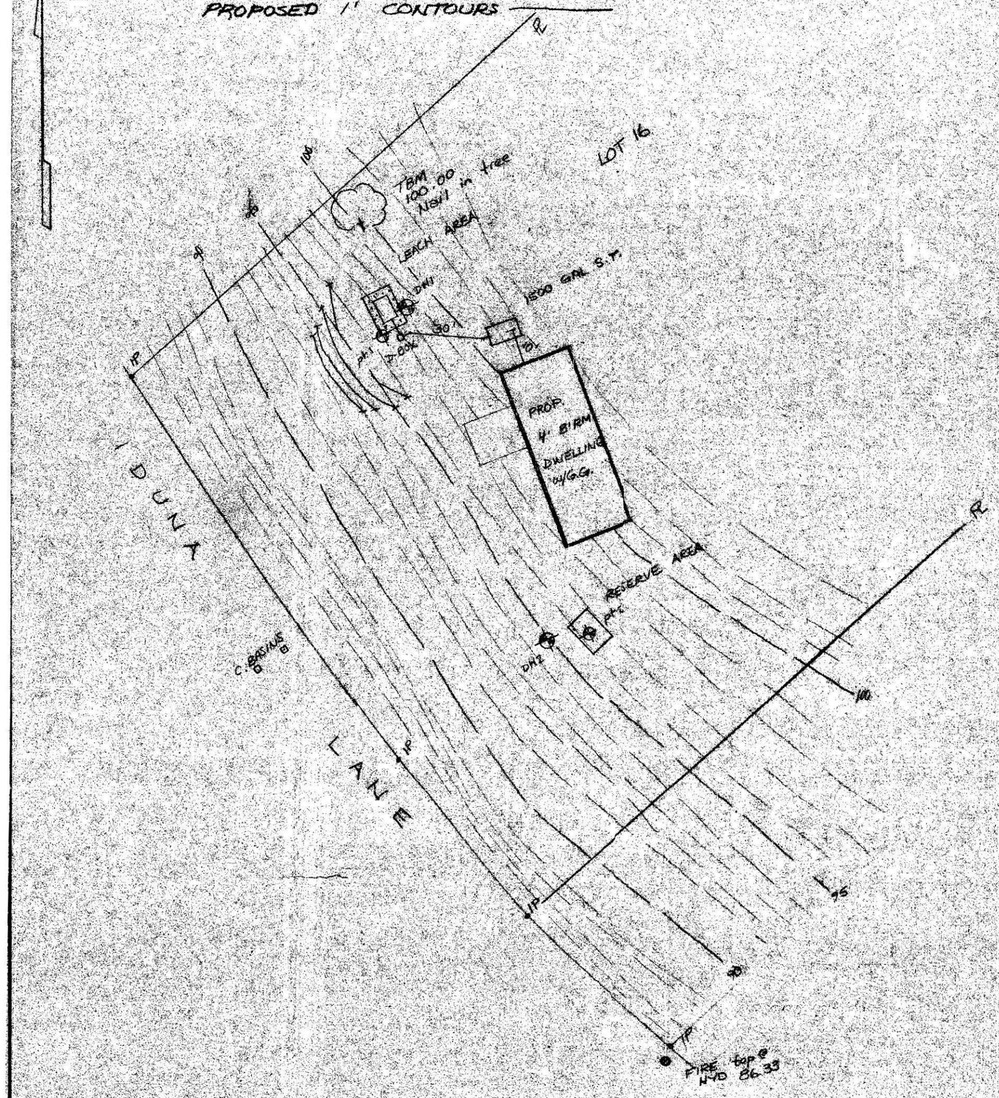


PLAN VIEW

SCALE 1" = 40'-0"

EXISTING 1' CONTOURS ———

PROPOSED 1' CONTOURS ———



DESIGN CALCULATIONS

PROPOSED 4 BEDROOM DWELLING, W/GAR. GRINDER
660 GALLONS MINIMUM DAILY FLOW
LEACH AREA TYPE: PRE-CAST CHAMBER & STONE

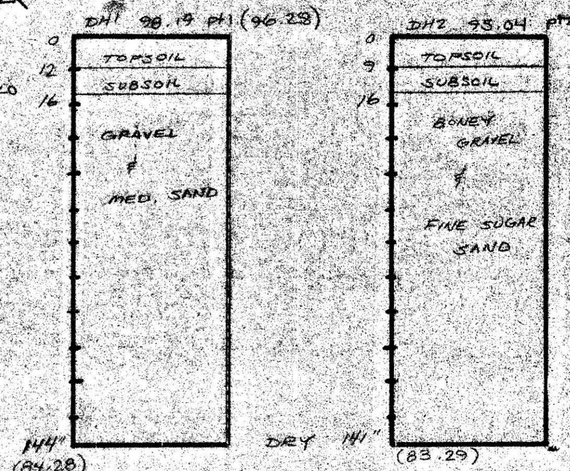
BASE DIMENSIONS: L 8.5 W 4.46 H 4.66' & FLD
EFFECTIVE DIMENSIONS: L 14.5 W 10.46 H 4.66

AREA:
BOTTOM: 14.5 × 10.46 = 151.67 SF
SIDE: 2[14.5 × 4.66] + 2[10.46 × 4.66] = 232.62 SF
TOTAL: 384.29 SF

CAPACITY:
BOTTOM: 151.67 GALLONS
SIDE: 581.55 GALLONS
TOTAL: 733.23 GALLONS

TOWN WATER
PROPOSED WELL > N/A FROM LEACH AREA, NO OTHER WELLS WITHIN 200' FROM LEACH AREA.

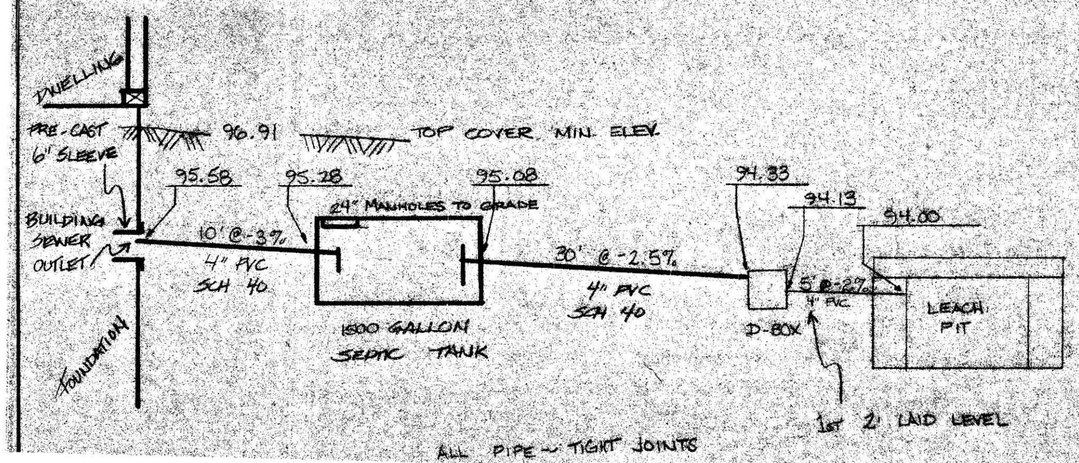
NO CHANGES TO BE MADE WITHOUT PRIOR APPROVAL FROM THIS FIRM, AND LOCAL BOARD OF HEALTH. ALL WORKMANSHIP & MATERIALS TO BE IN ACCORDANCE WITH MDEQE TITLE V, SANITARY CODE.



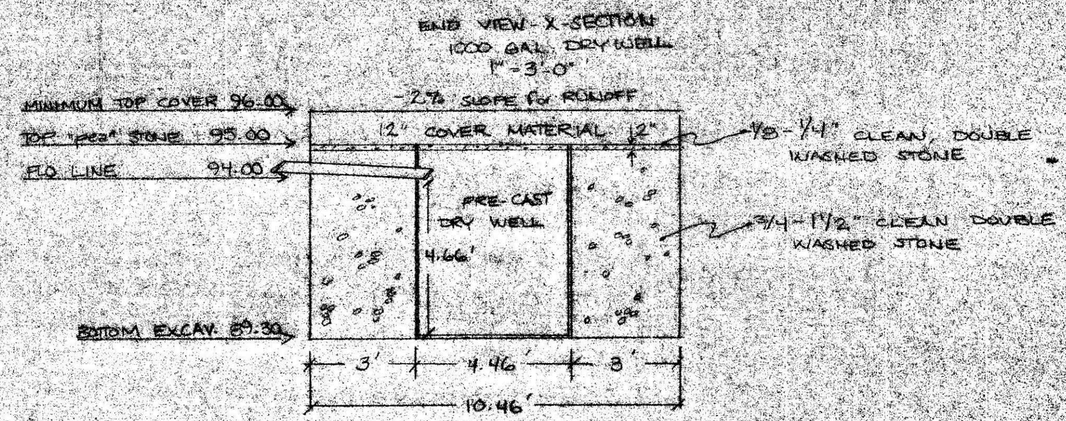
PERCOLATION TEST

FIRM: SITE DESIGN/RUSIECKI
INSPECTOR: DENNIS PINSKI
RATE: < 2 MIN/IN, < 2 MIN/IN
DATE: 24 MAR 88
D.O.P. 52", 54"

INVERT ELEVATIONS



ALL PIPE ~ TIGHT JOINTS

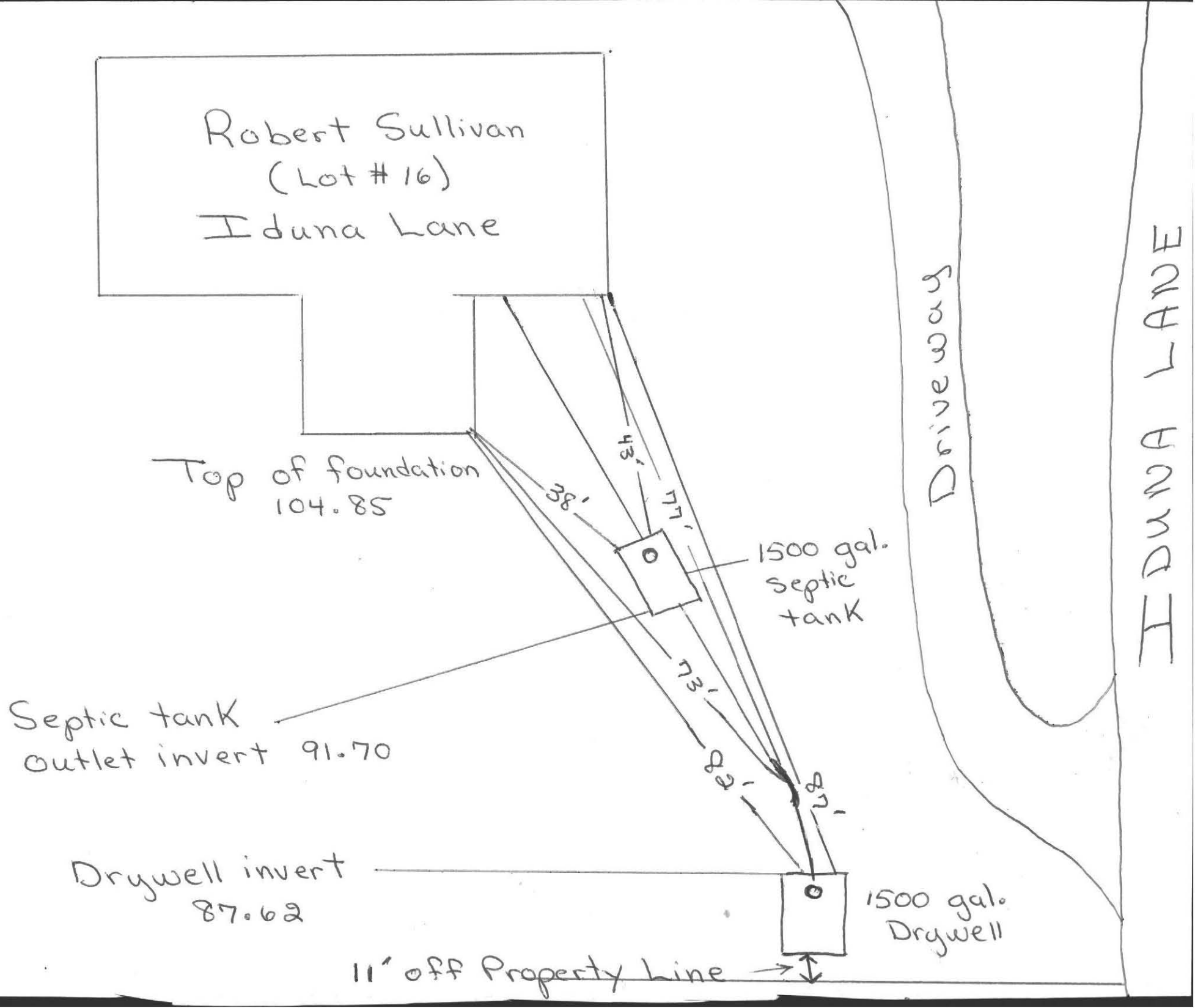


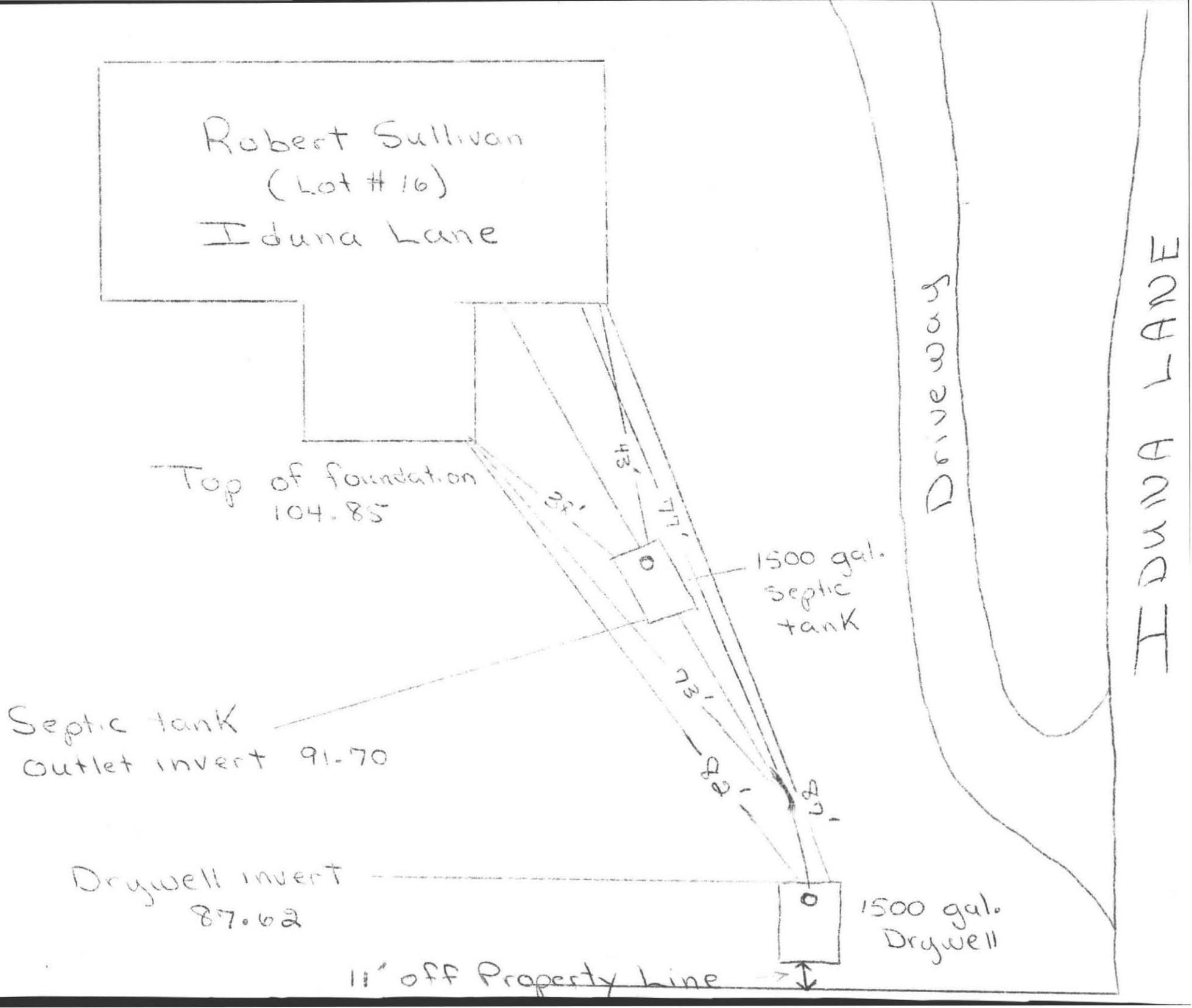
TOWN OF AMHERST
BOARD OF HEALTH PLAN REVIEW
THIS PLAN HAS BEEN SUBMITTED IN COMPLIANCE WITH CMR 310 TITLE V.
PERMIT NO.
DATED
BOARD OF HEALTH:

COMMONWEALTH OF MASSACHUSETTS
MARY ALYSIA RUSIECKI
No. 804
REGISTERED SANITARIAN

SITE DESIGN ASSOCIATES
PERC. TESTS, SEPTIC PLANS, & SITE PLANNING
P.O. BOX 454
BELCHERTOWN, MASS. 01007

SUB-SURFACE SEWAGE DISPOSAL SYSTEM
ROBERT SULLIVAN
2 TENBURY LANE
AMHERST, MA. 01002
SITE: DUNN LANE, LOT 16, AMHERST, MA


Robert Sullivan
(Lot # 16)
Iduna Lane
Top of foundation
104.85
38'
43'
77'
1500 gal.
septic
tank
73'
Septic tank
outlet invert 91.70
82'
87'
Drywell invert
87.62
1500 gal.
Drywell
11" off Property Line
Driveway
IDUNA LANE


Robert Sullivan
(Lot # 16)
Iduna Lane
Top of foundation
104.85
1500 gal.
septic
tank
Septic tank
outlet invert 91.70
Drywell invert
87.62
1500 gal.
Drywell
11' off Property Line
Driveway
IDUNA LANE

DEEP SOIL LOGS

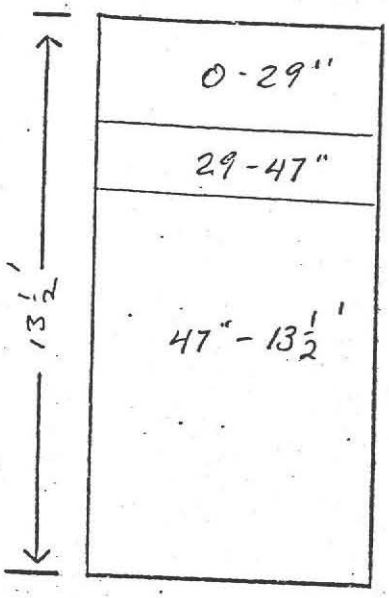
OWNER Marilyn Thompson

DATE Dec. 11, 1987

LOCATION Iduna Lane
Amherst Ma.

OBSERVER FiLios Enterprises Inc.

B of H Dennis Pinski

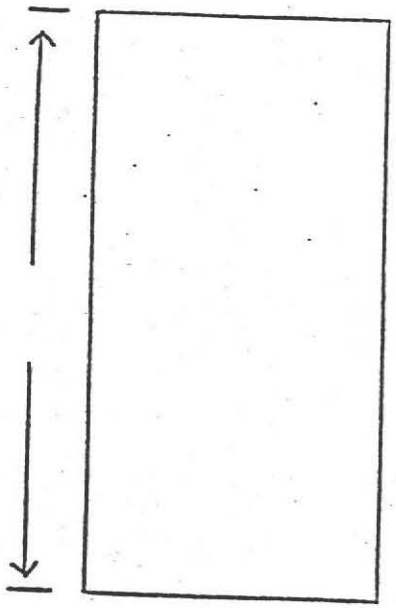


Fill + Topsoil

Subsoil

Coarse sand; few gravel

GROUND WATER none

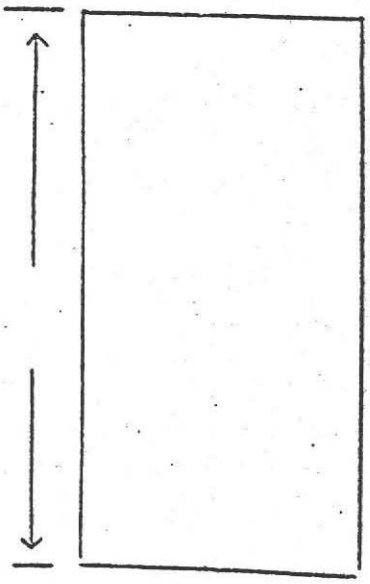


Disapproved plan

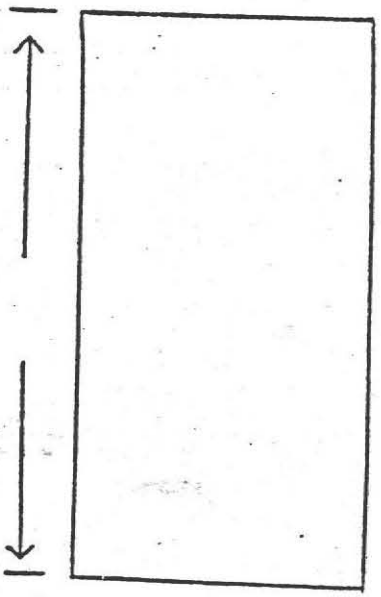
Hold for revision

4/01/88 Revision received & approved

GROUND WATER



GROUND WATER



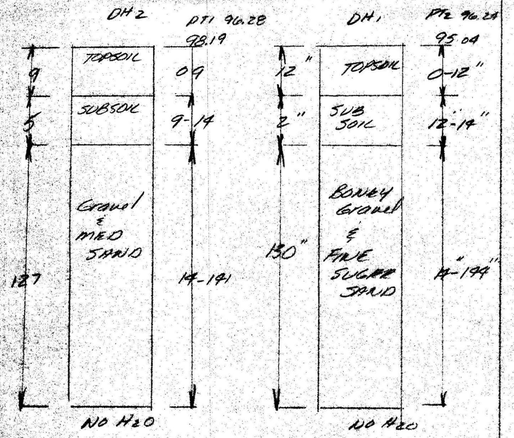
GROUND WATER

PERCOLATION RATE AT 62":

< 2 min./inch

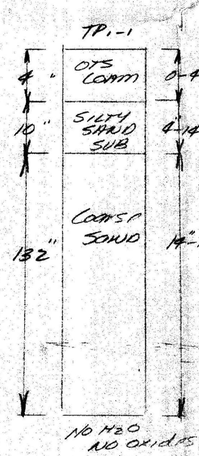
COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688

PERCOLATION TEST INFORMATION



ENGR RUSIECKI
WITNESS O. PINSKI
RATE 20 min/INCH
DATE 3/24/88
Depth 52" 54"

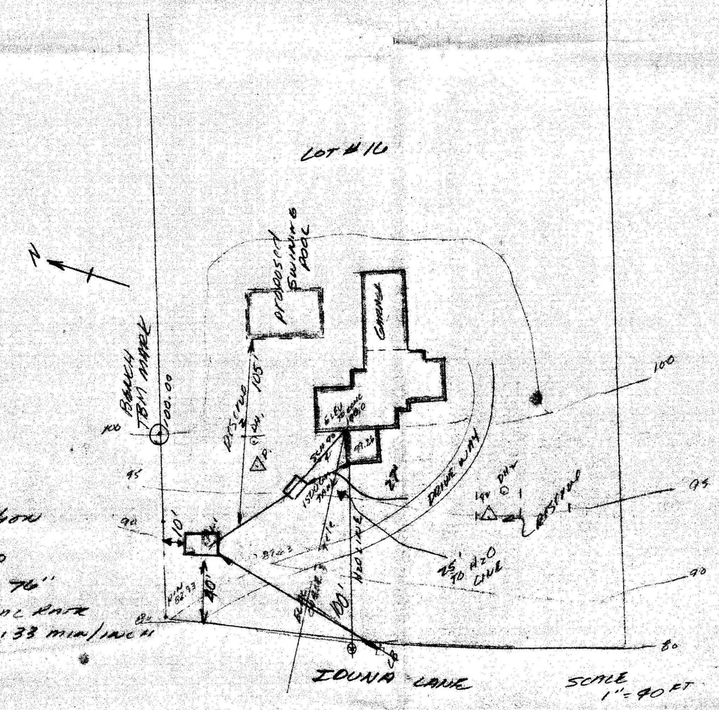
Percolation test INFORMATION

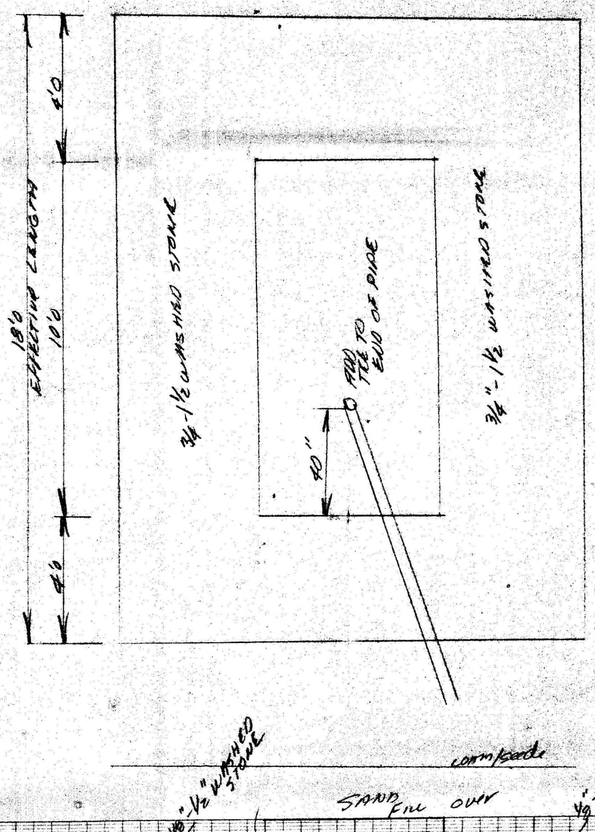


APRIL 26 1989
ROBERT SULLIVAN
2 TRAILWAY LANE
AMHERST MASS

ENGR WJSHRUTH
WITNESS D. SABOZINSKI
LOC. LOT #16
IOUNIA LANE
AMHERST MASS

Percolation RATE
2.0
Depth 76"
RETEST RATE
1.33 min/INCH





DESIGN INFORMATION

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

FINISH GRADING TO BE MADE SIMILAR TO EXISTING PROFILE

DESIGN INFORMATION

USE: SINGLE FAMILY RESIDENTIAL DWELLING
4 BEDROOMS 2½ BATH
FULL BAT WITH DRAINS
PROPOSED SWIMMING POOL
WITH DISPOSAL

DESIGN FLOW 310 CMR 15
4 X 110 GAL/DAY/BEDROOM = 440 GALS
WITH DISPOSAL 440 GALS/DAY × 150%
660 GAL/DAY

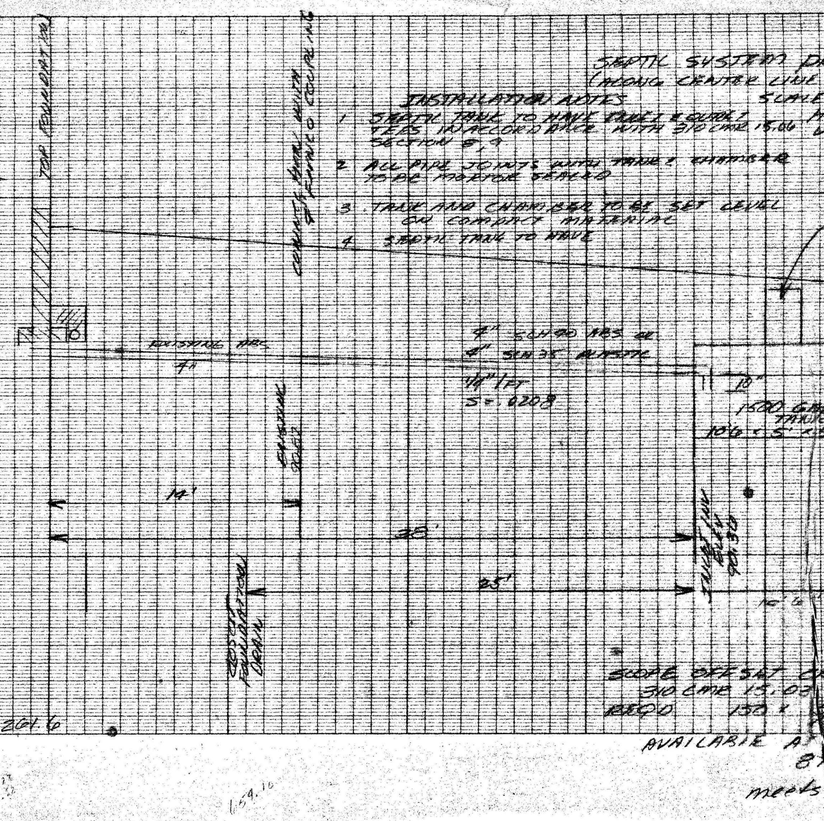
INCREASE DESIGN FLOW FOR BENEFIT BOARD OF HEALTH REGULATIONS
660 GAL/DAY × 1.25 = 825 GALS/DAY
REQUIRED FOR GENERAL SYSTEM

SEPTIC TANK REQUIRED
310 CMR 15.02
440 × 2.5 × 2 = 1200 = 1100 GAL
MINIMUM 825 TANK WITH DISPOSAL
1500 GALS
TANK 10' × 5' × 5' 34" FROM BASE TO BOTTOM TANK

LEACHING SYSTEM
DUE TO SOIL CONDITIONS DEPTH TO WATER TABLE AND CONTOURS A REQUIRED FOR LEACHING LEACHING PIT DESIGN IS TO BE USED
SYSTEM
W/DISPOSAL USE 1500 CHAMBER 10' × 5' × 5'4"
825 gal/day WITH 4 FT OF STONE AND SIDES

EFFECTIVE WIDTH 13'
EFFECTIVE LENGTH 18'
EFFECTIVE DEPTH 4.22 FT
SIDE WALL AREA = 4.22 × 13 × 2 + 4.22 × 18 × 2 = 264.6
BOTTOM AREA 13 × 18 = 234 ft2
TOTAL LEACHING CAPACITY 264.6 × 2.5 + 234 × 1.0 = 888.10 GAL/DAY

TBM SET AT SITE
SPIKE IN STUMP



SEPTIC SYSTEM PROFILE
(ALONG CENTER LINE OF PIPE)

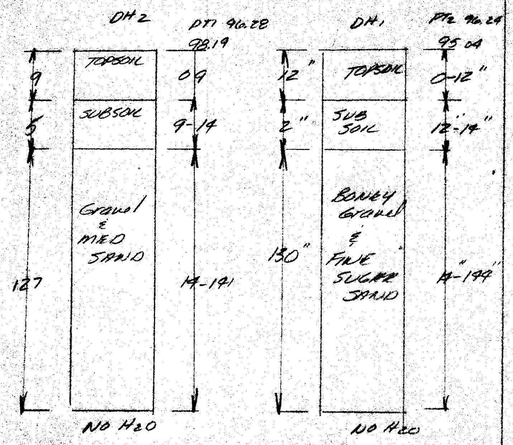
INSTALLATION NOTES
1. SEPTIC TANK TO HAVE INLET & OUTLET TEES IN ACCORDANCE WITH 310 CMR 15.00 SECTION 8.3
2. ALL PIPE JOINTS BOTH TANK & CHAMBER TO BE MORTAR SEALED
3. TANK AND CHAMBER TO BE SET LEVEL ON COMPACT MATERIAL
4. SEPTIC TANK TO HAVE

SCALE
HORZ 1" = 4'
VERT 1" = 4'

SCOPE OFFSET CALCULATIONS
310 CMR 15.03
REQD 150 × 5/100 = 18.75 FT
AVAILABLE AT BREAK OUTLET 87.90
meets CODE CONDITIONS

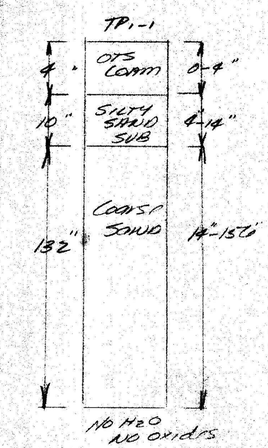
SEPTIC SYSTEM DESIGN
FOR
ROBERT C SULLIVAN
LOT 16
IOUNIA LANE

PERCOLATION TEST INFORMATION



ENGR Rusiecki
WITNESS O. Pinski
RATE 20 min/inch
DATE 3/29/88
Depth 52" 54"

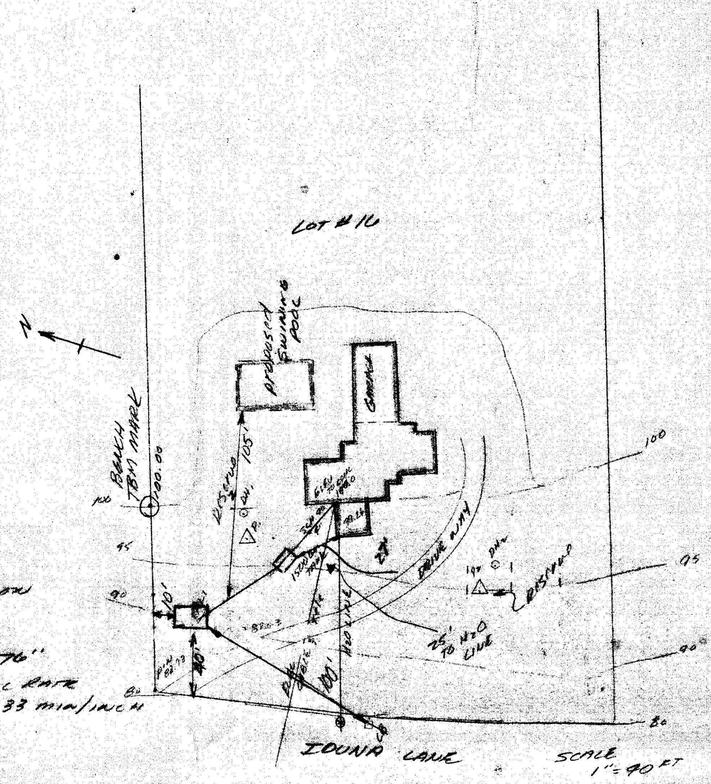
Percolation test INFORMATION

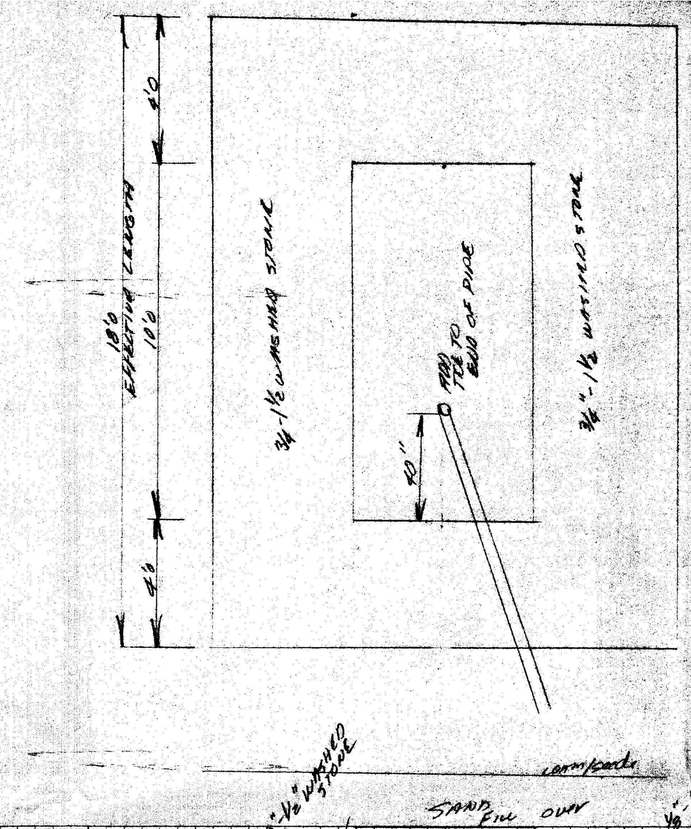


APRIL 26 1989
ROBERT SULLIVAN
2 TEABERRY LANE
Amherst MASS

ENGR WISIAKUTA
WITNESS D. SARDZINSKI
LOC. LOT #16
IDUNA LANE
Amherst MASS

Percolation RATE
2.0
Depth 46"
ACTUAL RATE
1.33 min/INCH





DESIGN INFORMATION

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

FINISH GRADING TO BE MADE SIMILAR TO EXISTING PROFILE

DESIGN INFORMATION

USE: SINGLE FAMILY RESIDENTIAL STRUCTURE
4 BEDROOMS 2½ BATH
FULL BMT WITH DRAINS
PROPOSED SWIMMING POOL
WITH DISPOSAL

DESIGN FLOW 310 CMR 15
4 X 110 GAL/DAY/BEDROOM = 440 GPD

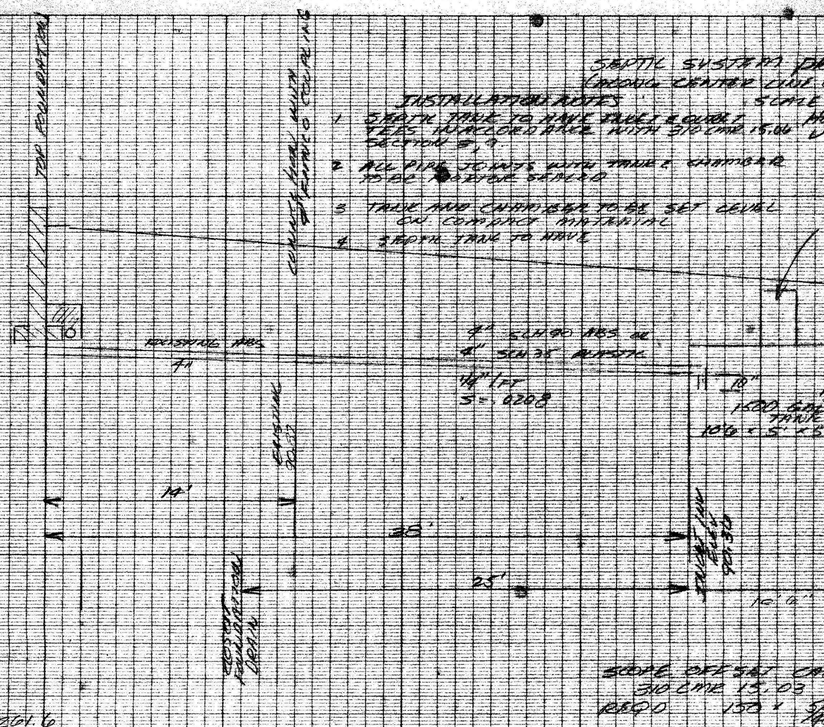
WITH DISPOSAL 440 GPD/DAY × 150% = 660 GAL/DAY

TANK USE DESIGN FLOW PER AMHERST BOARD OF HEALTH REGULATIONS
660 GAL/DAY × 1.25 = 825 GAL/DAY
REQUIRED FOR LEACHING SYSTEM

SEPTIC TANK REQUIRED
310 CMR 15.06
440 × 1.25 × GAL 1.200 = 1100 GAL
MINIMUM SEPTIC TANK WITH DISPOSAL
1500 GAL
TANK 10'0" × 5' × 5' 54" FROM BASE TO INLET PIPE

LEACHING SYSTEM
DUE TO SOIL CONDITIONS DEPTH TO WATER TABLE AND CONTOURS IN
REQUIRED FOR LEACHING LEACHING PIT DESIGN IS TO BE USED
SYSTEM
Hydraulic USE 1500 CHAMBERS 10' × 5' × 5'4"
825 gal/day WITH 2 FT OF STONE
AND SAND
EFFECTIVE WIDTH 13'
EFFECTIVE LENGTH 18'
EFFECTIVE DEPTH 4.22 FT
SIDE WALL AREA = 4.22 × 13 × 2 + 4.22 × 18 × 2 = 261.6
BOTTOM AREA 13 × 18 = 234 FT²
TOTAL LEACHING CAPACITY 261.6 × 2.5 + 234 × 1.0 = 888.10 GAL/DAY

TBM SET AT SITE
SPIKE IN STUMP
ALONG DRIVE LINE



SEPTIC SYSTEM PROFILE
(ALONG CENTER LINE OF PIPE)

INSTALLATION NOTES
1 SEPTIC TANK TO HAVE INLET & OUTLET TEES IN ACCORDANCE WITH 310 CMR 15.06 SECTION 3.9.
2 ALL PIPE JOINTS WITH TANK & CHAMBER TO BE WATER TIGHT
3 TANK AND CHAMBER TO BE SET LEVEL ON COMPACT MATERIAL
4 SEPTIC TANK TO HAVE

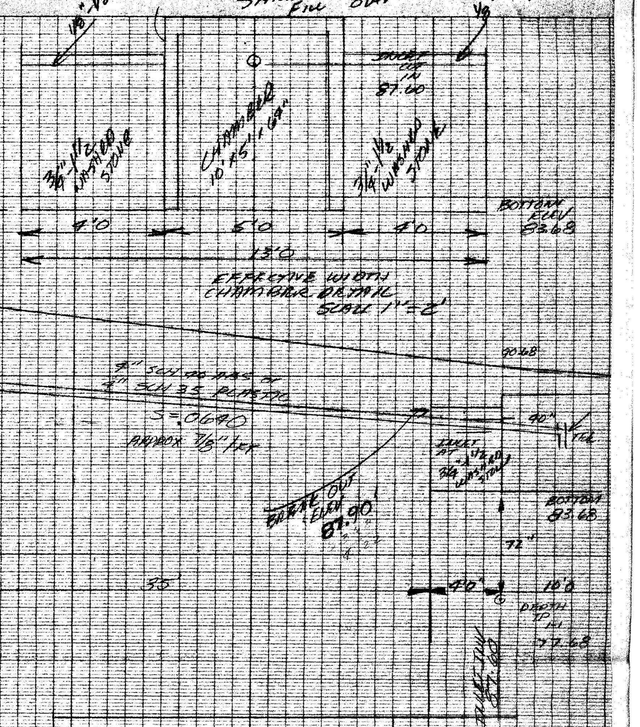
SCALE
HORIZ 1" = 4'
VERT 1" = 4'

4" SCHED 40 PVC
4" SCHED 40 PVC
1/4" / FT
S = .0208

4" SCHED 40 PVC
4" SCHED 40 PVC
S = .0640
APPROX 7/8" / FT

1500 GAL TANK
10'0" × 5' × 5'

SCOPE OF SET CALCULATIONS
310 CMR 15.03
REQ'D 150 × 5/100 = 18.75 FT
AVAILABLE AT BREAK OUTLET
87.90
20.
meets CODE CONDITIONS



SEPTIC SYSTEM DESIGN
FOR
ROBERT C SULLIVAN
LOT 16
IDUNA LANE
AMHERST MASS

PERCOLATION TEST INFORMATION

ENGR Rusiecki
WITNESS D. Pinski
RATE 20 min/inch
DATE 3/29/88
Depth 52" 54"

Percolation test INFORMATION

APRIL 26 1989
ROBERT SULLIVAN
2 TRADWAY LANE
AMHERST MASS

ENGR WITSHROTA
WITNESS D. SARGZINSKI
LOC. LOT #16
IOUNIA LANE
AMHERST MASS

Percolation RATE
2.0
Depth 76"
ACTUAL RATE
138 min/INCH

DESIGN INFORMATION

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

FUTURE CHANGING TO BE MADE SIMILAR TO EXISTING PROFILE

DESIGN INFORMATION

USE SINGLE FAMILY RESIDENTIAL STRUCTURE
4 BEDROOMS 2½ BATH
FULL BASEMENT WITH DRAINS
PROPOSED SWIMMING POOL
WITH DISPOSAL

DESIGN FLOW 310 CMR 15
4 X 110 GAL/DAY/BEDROOM = 440 GALS

WITH DISPOSAL 440 GALS/DAY × 150%
660 GALLONS

INCREASE RESULT FOR DISPOSAL
BOARD OF HEALTH REGULATIONS
660 GAL/DAY × 1.25 = 825 GALS/DAY
REQUIRED FOR LEACHING SYSTEM

SEPTIC TANK REQUIRED
310 CMR 15.02
440 × 1.25 × 5 DAY × 200 = 1100 GAL
MINIMUM SIZE TANK WITH DISPOSAL
1500 GALS

TANK 10' × 5' × 5' 54" FROM GRADE TO INLET TANK

LEACHING SYSTEM
DUE TO SOIL CONDITIONS DEPTH TO
REQUIRED WATER TABLE AND CONTOURS IN
THE LEACHING LEACHING PIT DESIGN IS TO BE USED
SYSTEM
w/disposal USE 1500 CHAMBER 10' × 5' × 5'9"
825 gal/day WITH 4 FT OF STONE
ALL SIDES

EFFECTIVE WIDTH 13'
EFFECTIVE LENGTH 18'
EFFECTIVE DEPTH 4.50 FT
SIDE WALL AREA = 4.22 × 13 × 2 + 4.22 × 18 × 2 = 261.6
BOTTOM AREA 13 × 18 = 234 FT²
TOTAL LEACHING CAPACITY 261.6 × 2.5 + 234 × 1.0 = 888.10 GAL/DAY
TBM SET AT SITE
SPIKE IN STUMP
ALONG PROP LINE

SCOPE OFFSET CALCULATIONS
310 CMR 15.03
REQD 150 × 5/40 = 18.75 FT

AVAILABLE AT BREAK OUTLET
87.90
20.4 FT
meets CODE CONDITIONS

SEPTIC SYSTEM DESIGN
FOR
ROBERT L SULLIVAN
LOT 16
IOUNIA LANE
AMHERST MASS
DATE 5/10/89 ENGR WITSHROTA