



\$90

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amherst

Application for Disposal Works Construction Permit

CHECK OR FILL IN WHERE APPLICABLE

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

27 Amherst Woods II #43
Joe & Liz Hebert Location - Address
Warren Hall, Inc. - R. ROBERTS 25 Pine Grove Amherst
Contractor - R. ROBERTS 165 Newway Rd. Lefferts
Type of Building Address

Dwelling - No. of Bedrooms 4 Expansion Attic () Garbage Grinder (X)
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 440 gallons.
Septic Tank - Liquid capacity 1500 gallons Length Width Diameter Depth
Disposal Trench - No. Width Total Length Total leaching area capacity=699 GPD
Seepage Pit No. 1 Diameter Depth below inlet 3.0 Total leaching area

Percolation Test Results Performed by Fred Filios R.S. Date May 1, 1984
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 10' Med Sand No Groundwater

Nature of Repairs or Alterations - Answer when applicable

Agreement:
The undersigned agrees to install the aforescribed 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: W. Hall, Inc. June 13, '84
Application Approved By: [Signature] Date 6-13-84

Application Disapproved for the following reasons:

Permit No. 84-23 Issued June 13, 1984
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. 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. 84-23 Town OF Amherst FEE \$90

Disposal Works Construction Permit

Permission is hereby granted W. Hall / R. ROBERTS to Construct (X) or Repair () an Individual Sewage Disposal System at No. Lot 43 Amherst

as shown on the application for Disposal Works Construction Permit No. 84-23 Dated June 13, 1984

DATE June 13, 1984 Board of Health

12

Charles Cole
Please
Foot Control

9/28/84

Barbara Berger

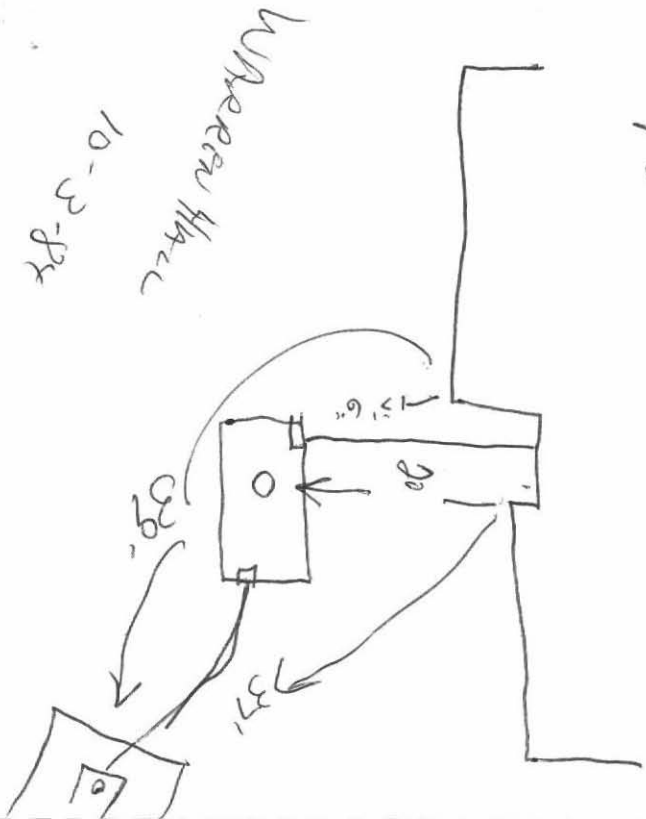
549-6622

Puffer Shilage

11³⁰

318 PUFFTON.

Lot 43
Fox Brothers



PROPOSED DOMESTIC SUBSURFACE DISPOSAL SYSTEM DESIGN

Prepared For: Joe and Liz Hebert
Location: Lot 43, Amherst Woods, Amherst, MA
Number of Bedrooms: 4 Garbage Disposal: Yes

LEACH AREA DESIGN

4 Bedrooms x 2 persons/bedroom = 8 persons

8 Persons x 55 gallons of wastewater/person/day = 440 total gallons of wastewater/day.

Percolation Rate: 2.0 min/inch

Gallon of wastewater/square feet of leach area for a Percolation Rate of:

2.0 min/inch = 2.5 Gal/SF Sidewall Area

= 1.0 Gal/SF Bottom Area

- * If a leach bed is to be installed, no sidewall is allowed.
- * If percolation rate exceeds 20 min/inch, no bottom area is allowed.

- SEPTIC TANK -

* WITHOUT GARBAGE DISPOSAL:

_____ Gallons of wastewater/day x 150% = _____ REQUIRED effective liquid capacity of septic tank.

RECOMMENDED: _____ Septic Tank

- * In no case will the septic tank be less than 1,000 gallons (effective liquid capacity).

** WITH GARBAGE DISPOSAL:

440 Gallons of wastewater/day x 200% = 880 REQUIRED effective liquid capacity of septic tank.

RECOMMENDED: 1500 gal Septic Tank

- ** In no case will the septic tank be less than 1,500 gallons (effective liquid capacity)

LEACHING PIT DESIGN

Precast Pit Used: 10 ' Long x 5 ' Wide x 2 ' Effective Depth
Using 4 ' of stone all around and 1 ' of stone under pit.

SIDEWALL AREA:

18 ' Long x 3 ' Effective Depth x 2 Sides = 108 SF

13 ' Wide x 3 ' Effective Depth x 2 Sides = 78 SF

Total of 186 SF (Sidewall Area) x 2.5 Gal/SF = 465 Gal/Pit (Sidewall)

BOTTOM AREA:

18 ' Long x 13 ' Wide = 234 SF

234 SF (Bottom Area) x 1.0 Gal/SF = 234 Gal/Pit (Bottom)

465 Gal/Pit (Sidewall)
+ 234 Gal/Pit (Bottom)
= 699 TOTAL Gal/Pit (Designed)

* Without Garbage Disposal: _____ Total Gal/Day (REQUIRED)

* With Garbage Disposal: 1.5 x 440 Gal/Day (Daily Flow) = 660 Gal/Pit (REQUIRED)

Using 660 Gal/Day (Daily Flow) ÷ 699 Gal/Pit = 1 Pit(s)

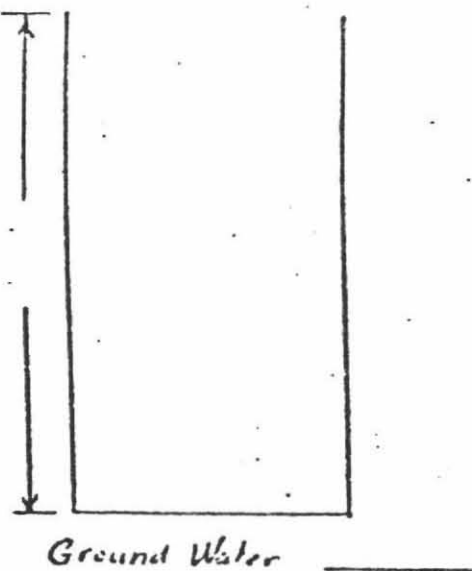
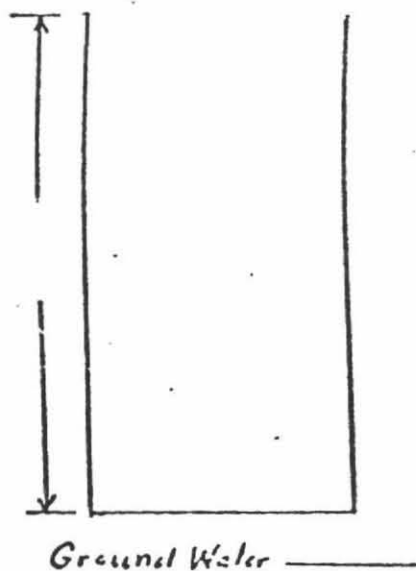
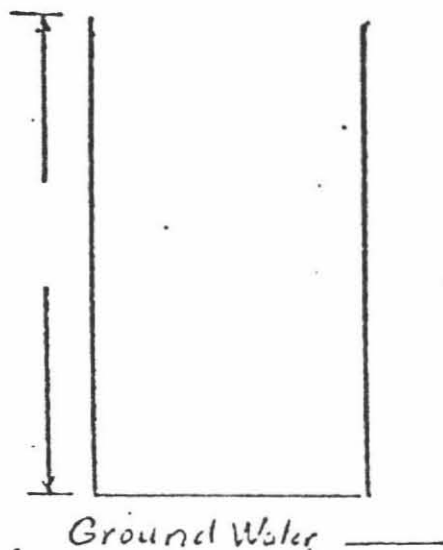
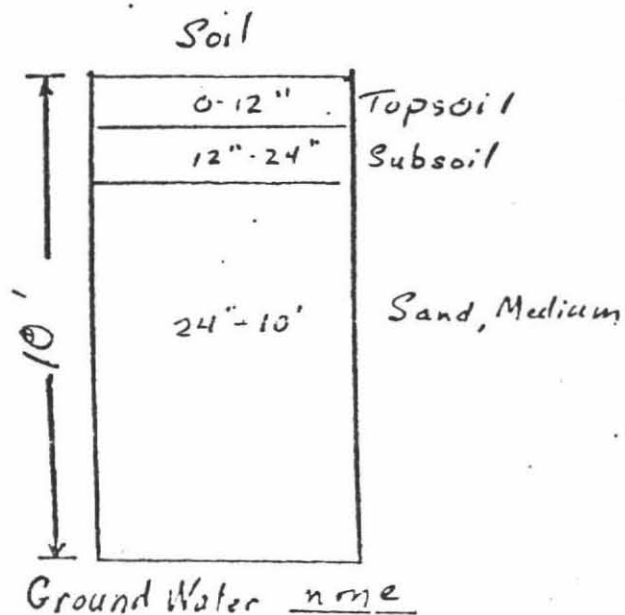
DEEP SOIL LOGS

OWNER Amherst Woods Phase II

Date May 1984

LOCATION Amherst Woods Lot # 43

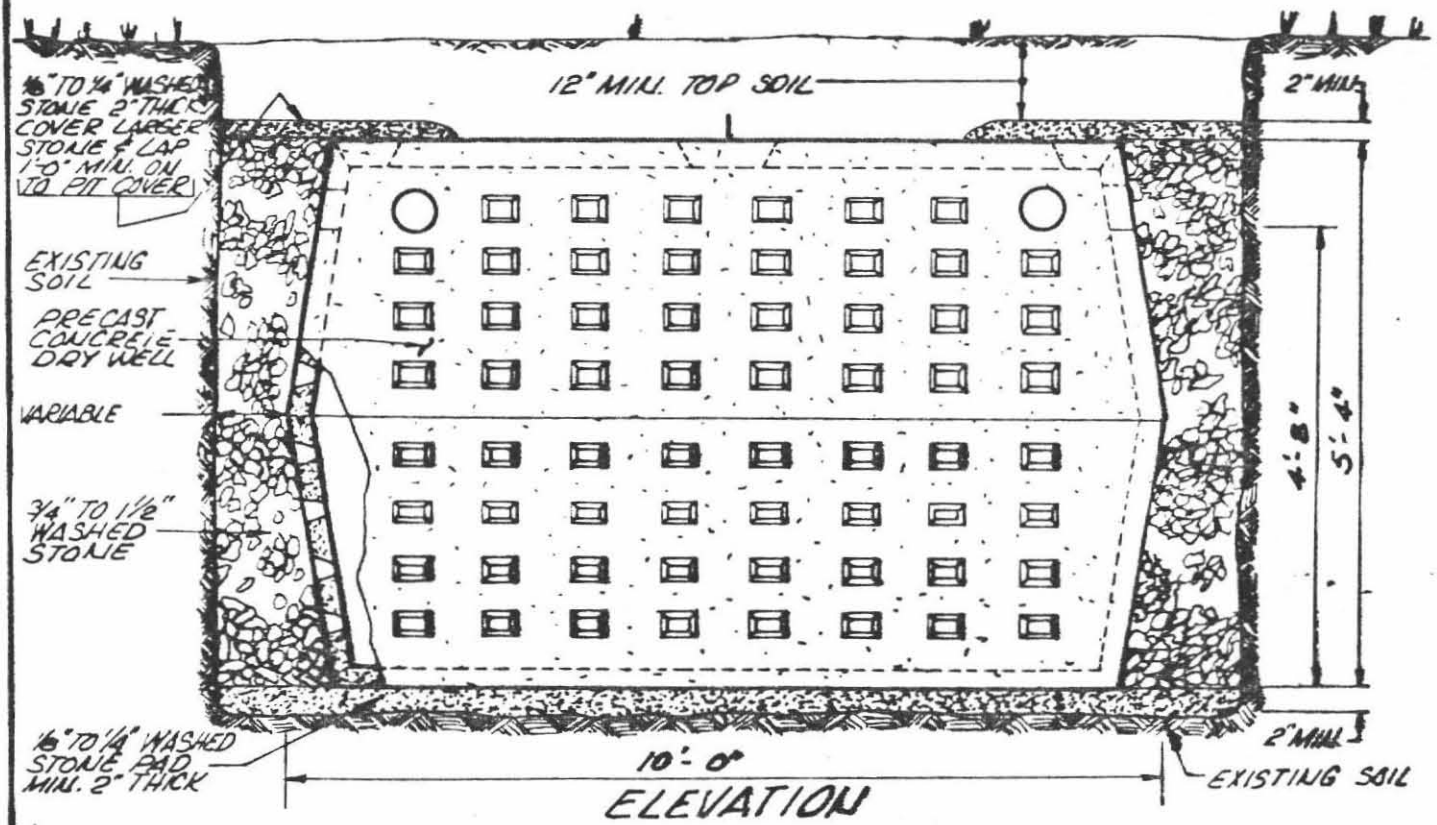
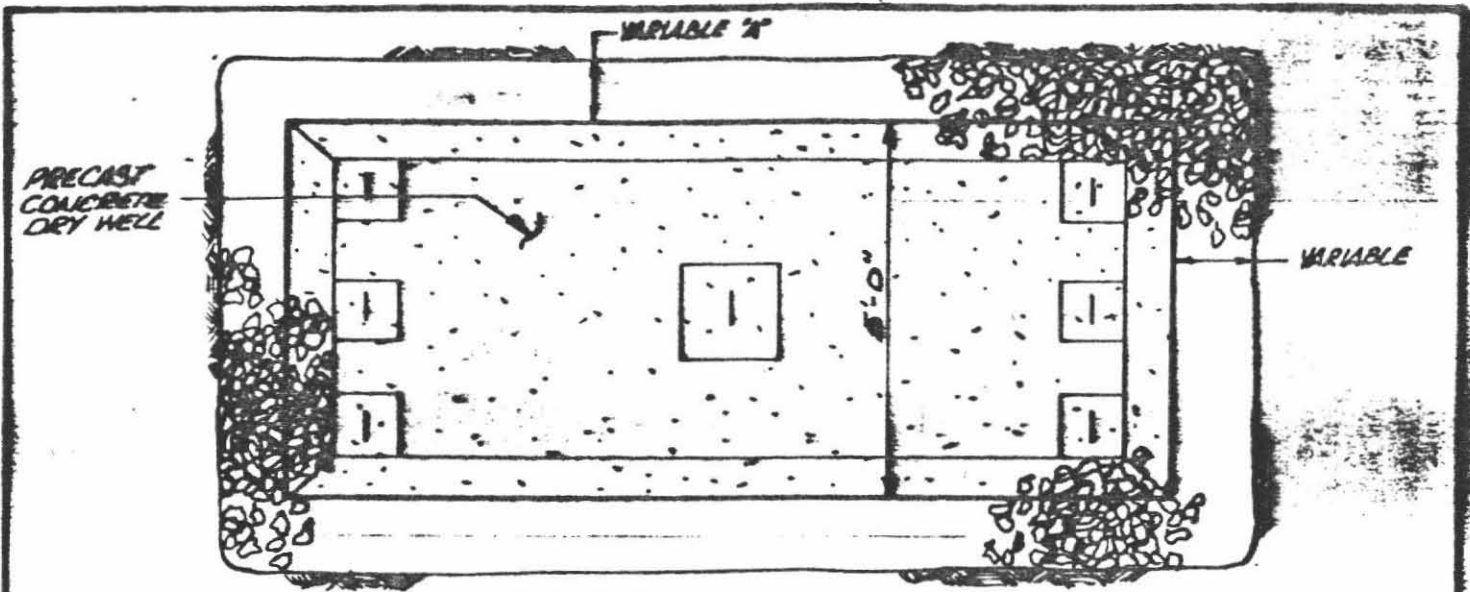
OBSERVER FA. Filio



Percolation Rate at 32"

> 2 minutes / inch





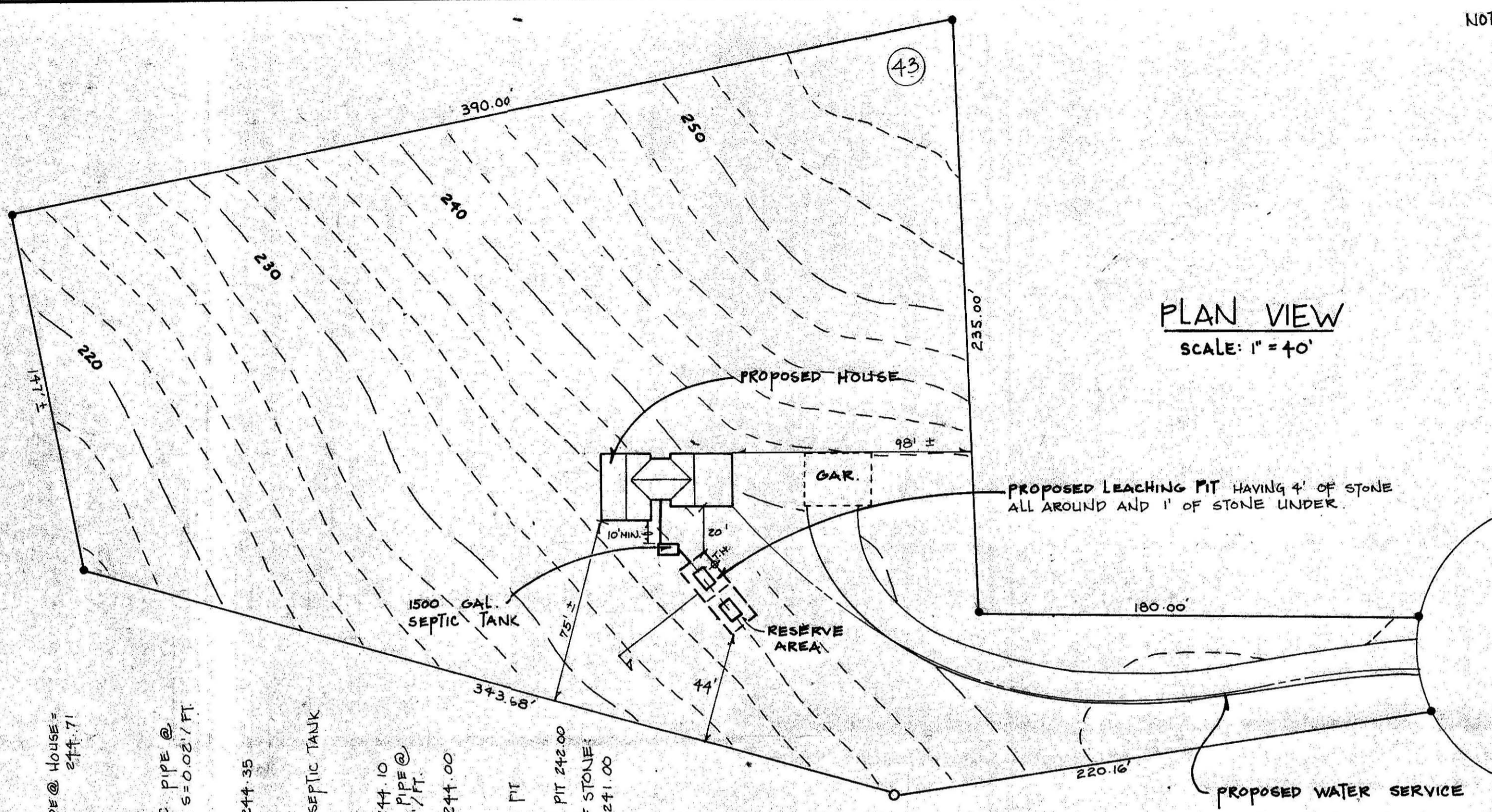
1500 GAL. PRECAST CONCRETE LEACHING PIT

NOTE: • ALL WORK WILL BE DONE IN ACCORDANCE WITH THE STATE ENVIRONMENTAL CODE - TITLE 5.
 • SPACING WHEN MORE THAN ONE SEEPAGE PIT OR DRY WELL ARE BEING USED IS TO BE TWICE THE GREATEST EFFECTIVE WIDTH OR DEPTH OF THE PIT, WHICHEVER IS GREATER.

ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
 125 PLEASANT STREET
 NORTHAMPTON, MASS.



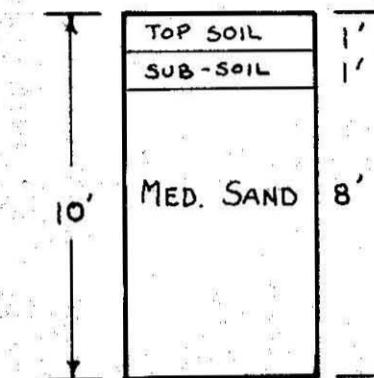
NOTE: BENCH MARKER TO BE SUPPLIED BY BUILDER



PLAN VIEW
SCALE: 1" = 40'

OBSERVATION PIT

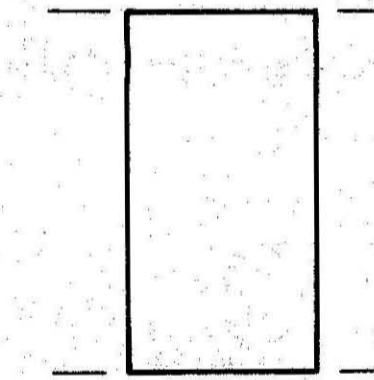
DATE: MAY, 1984



GROUNDWATER = NONE
PERC. RATE = 2 MINS. / INCH

OBSERVATION PIT

DATE:

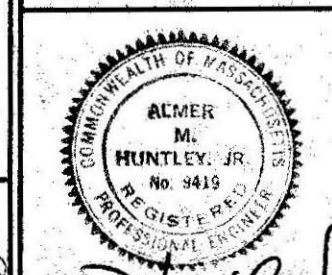


GROUNDWATER =
PERC. RATE =

NOTE: ALL WORK TO BE DONE IN ACCORDANCE WITH TITLE 5, STATE ENVIRONMENTAL CODE.

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM FOR LOT NO 43, AMHERST WOODS, AMHERST, MA. PREPARED FOR JOE AND LIZ HEBERT

FIELD WORK: KPB
COMPUTATIONS: KPB
DRAFTING: MDM
CHECKED: AMH
SCALE: AS NOTED
DATE: MAY, 1984



ALMER HUNTLEY, JR. & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - PLANNERS
125 PLEASANT STREET
NORTHAMPTON, MASS.

Almer Huntley, Jr.

P-

SHEET: 1 OF: 1

PROFILE & SECTION
SCALE: HORIZ. & VERT. = 1" = 10'

