



#4 NOV 2 1988
FEE 90.00

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH
TOWN OF AMHARST MASS

4 Trillium

Application for Disposal Works Construction Permit

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

4 (LOT #72) AMHARST WOODS Am Harst MASS
Location - Address DOUGLAS BAKER ROAD SHUTESBURY MA.
Owner WILLIAM SIERUTA 40 Upland Rd Holyoke
Installer Address 39 500

Type of Building 4 Bedroom Sq. feet
Dwelling - No. of Bedrooms Expansion Attic () Garbage Grinder (1)
Other - Type of Building Residential No. of persons 3 people Showers (2) - Cafeteria ()
Other fixtures Full Bmt with Drains

Design Flow 490 x 125/10 gallons per person per day. Total daily flow 350 gal
Septic Tank - Liquid capacity 1500 gallons Length 10'6" Width 5'0" Diameter - Depth 5'0"

Disposal Trench - No. 2 Width 10'x11" Total Length 29' Total leaching area sq. ft.
Seepage Pit No. 2 Diameter 10'x11" Depth below inlet 29" Total leaching area sq. ft.

Other Distribution box () Dosing tank () bottom 352 ft sidewalk 210 Ft
Percolation Test Results Performed by FA FILIOS Date 5/1/85 4/30/87 1/19/88
Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 38" Depth to ground water DWA
Test Pit No. 2 minutes per inch Depth of Test Pit 38" Depth to ground water

Description of Soil TP1 0-8" TOPSOIL 8"-18" SUBSOIL 18"-60" SAND AND GRAVEL 60-66" cemented and iron 66-72" SANDY GRAVEL 72-80" SANDY GRAVEL 80-88" SANDY GRAVEL 88-96" coarse sand and gravel No 100 oxide sand

Nature of Repairs or Alterations - Answer when applicable. 10" TP3 0-9" OTS 9"-20" SUBSOIL 20"-138" coarse sand and gravel No 100.

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 [Signature] Date 11/2/88
Application Approved By [Signature] Date 11/7/88

Application Disapproved for the following reasons:
Date

Permit No. Issued Date

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amharst

Certificate of Compliance

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

by Lot 72 Amharst Woods

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. 88-38 dated

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

DATE May 8, 1989 Inspector David Bayne

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amharst

No. 88-38 FEE 90.00

Disposal Works Construction Permit

Permission is hereby granted to Construct (X) or Repair () an Individual Sewage Disposal System

at No. Lot 72 Amharst Woods Street 88-38 Dated

as shown on the application for Disposal Works Construction Permit No. 88-38 Dated
DATE 11/7/88 [Signature] Board of Health



Book 1000

For the purpose of the...

The following...

1/1/00

Book 1000

For the purpose of the...

1/1/00

...

...

...

...



FEE 90.00

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 (✓) or Repair () an Individual Sewage Disposal System at:

Location - Address: 4 (LOT #72) AMHERST WOODS Amherst MASS
Douglas Road BAKER ROAD SUITE BURY MA.
Owner: WILLIAM SIERUTA
Address: 40 Upland Rd Haysake
Installer: [Signature]
Address: [Blank]
Size Lot: 39 500 Sq. feet

Type of Building: Dwelling - No. of Bedrooms: 4 Bedroom Expansion Attic () Garbage Grinder ()
Other - Type of Building: Residential No. of persons: 3 people Showers (2) - Cafeteria ()
Other fixtures: Full Bath with Drains

Design Flow: 410 gallons per person per day. Total daily flow: 490 (125%) gallons
Septic Tank - Liquid capacity: 150 gallons Length: 10'6" Width: 5'0" Diameter: 5'0" Depth: 5'0" 9d

Disposal Trench - No. 2 Diameter: 11" x 11" Depth below inlet: 24" Total leaching area: sq. ft.
Seepage Pit No. 2 Diameter: 11" x 11" Depth below inlet: 24" Total leaching area: sq. ft.

Other Distribution box () Dosing tank () bottom 352 ft. sidewalk 210 ft
Percolation Test Results - Performed by: F.A. Filios Date: 5/12/87
Test Pit No. 1: 2.0 minutes per inch Depth of Test Pit: 30" Depth to ground water: 19"
Test Pit No. 2: 2.0 minutes per inch Depth of Test Pit: 30" Depth to ground water: 19"

Description of Soil: TP 1: 0-8" TOPSOIL 8"-18" SUBSOIL 18"-60" SAND AND GRAVEL 60"-66" CEMENTED SAND AND GRAVEL 66"-72" SAND GRAVEL 72"-90" SAND GRAVEL
TP 2: 0-9" TOPSOIL 9"-30" SAND GRAVEL 30"-48" SAND GRAVEL 48"-60" SAND GRAVEL 60"-72" SAND GRAVEL 72"-90" SAND GRAVEL

Nature of Repairs or Alterations - Answer when applicable: 66" TP 2 0-9" CP 9"-70" SUBSOIL 20"-138" coarse sand and gravel 9' sand 150.

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: [Signature] Date: 11/2/88

Application Approved By: [Signature] Date: 11/7/88
Application Disapproved for the following reasons: [Blank] Date: [Blank]

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 _____

at Lot 72 Amherst Woods
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. 88-38 dated _____

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

DATE: May 8, 1989 Inspector: David Bejarano

THE COMMONWEALTH OF MASSACHUSETTS BOARD OF HEALTH

No. 88-38 Town of Amherst FEE 70.00

Disposal Works Construction Permit

Permission is hereby granted to Construct (✓) or Repair () an Individual Sewage Disposal System at No. Lot 72 Amherst Woods as shown on the application for Disposal Works Construction Permit No. 88-38 Dated _____

DATE: 11/7/88 For Board of Health [Signature]

CHECK OR FILL IN WHERE APPLICABLE

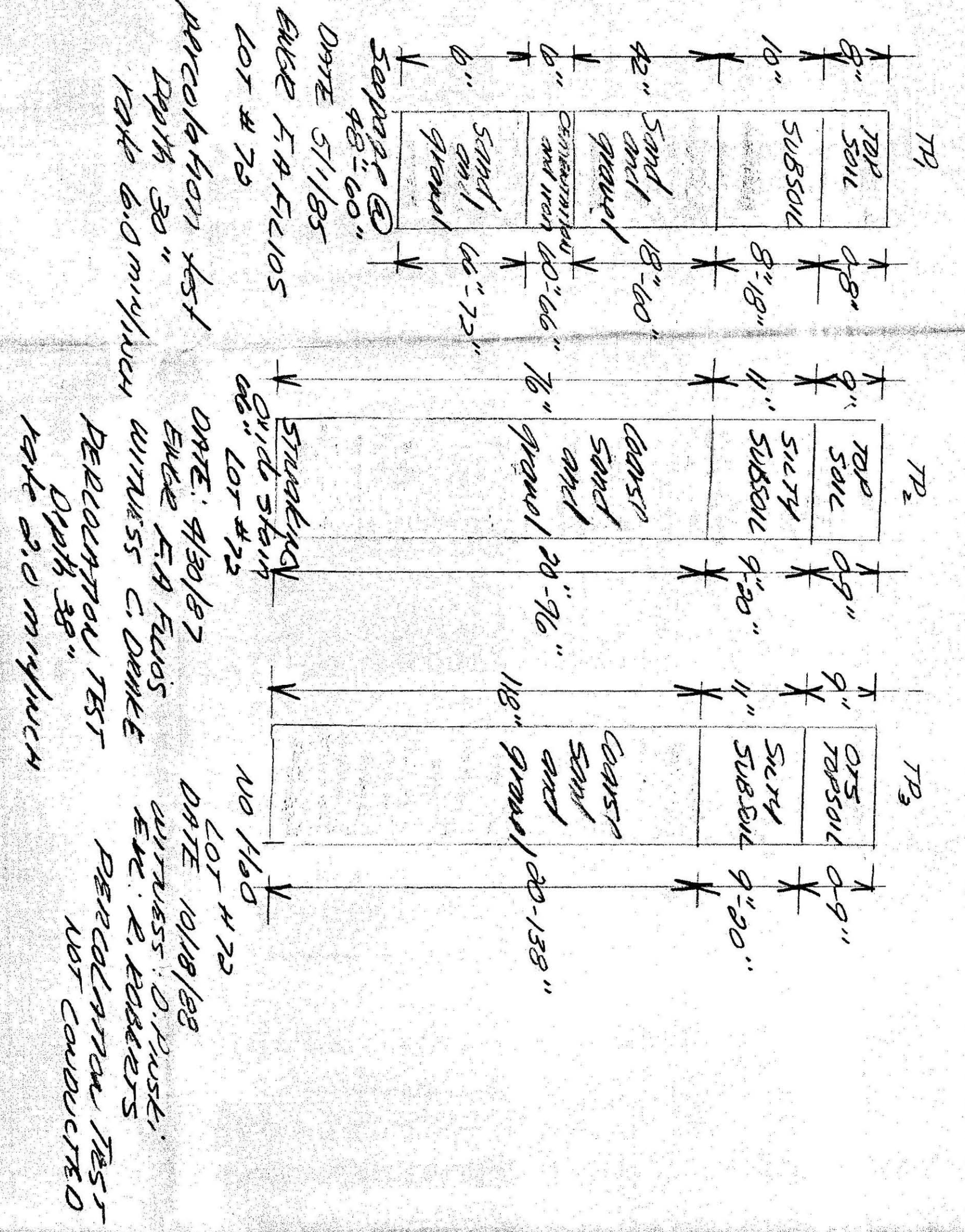
THOMAS BUCHANAN

1857

TO THE HONORABLE SENATE OF THE UNITED STATES

IN SENATE, JANUARY 15, 1857.
REPORT
OF THE
COMMISSIONERS OF THE GENERAL LAND OFFICE
IN ANSWER TO A RESOLUTION PASSED BY THE SENATE
MAY 10, 1856.
WASHINGTON: GPO: 1857.

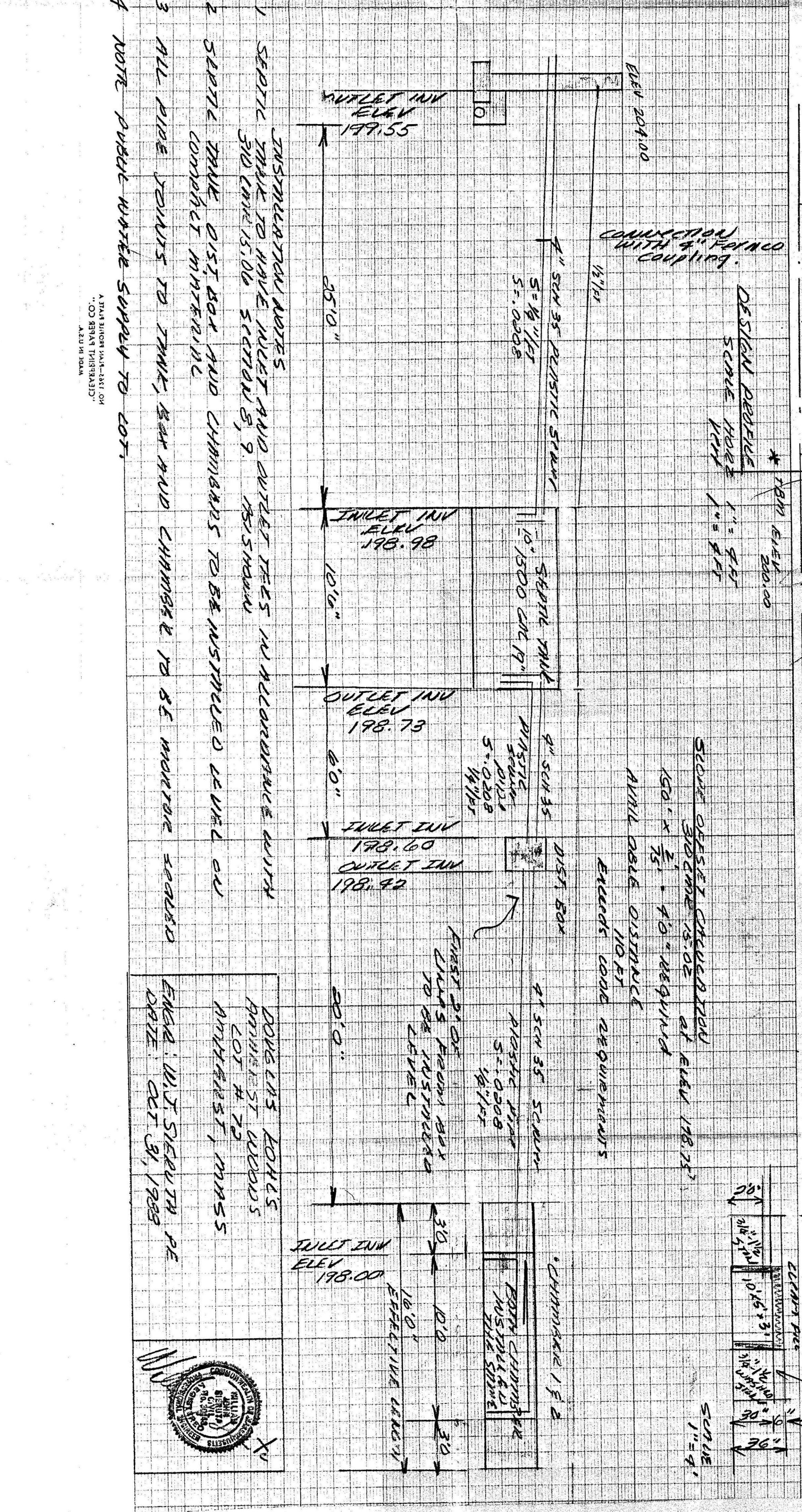
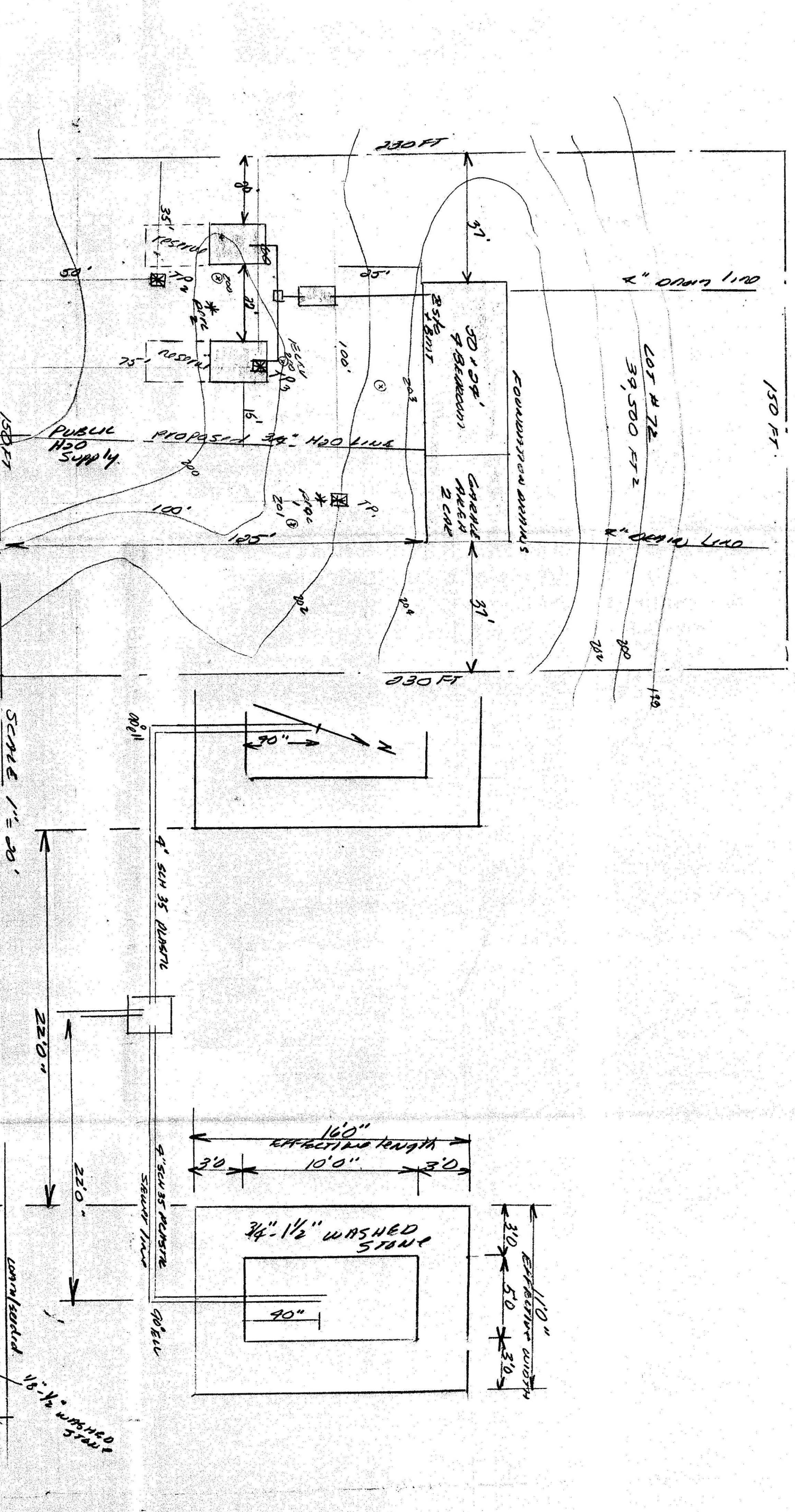
PERCOLATION TEST
ILLUSTRATION



DESIGN CRITERIA
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH SD CHAPTER 212.5 AND LOCAL BOARD OF HEALTH REGULATIONS.
 FINISH CONDITIONS TO BE SIMILAR TO EXISTING RESIDUAL AND DISTURBED AREAS TO BE CORRECTED AND SEWER GRADING SHOULD BE ADJUSTED TO BE PREPARED TO MEET SURFACE WATER DRAINAGE.
 USE 1' SINKHOLE RECONSTRUCTION FORMS.
 2. BEHOLDERS TO BE MAINTAINED WITH ROUNDOFF EDGES.
 OBSERVATION POINT: 310 CMG 15.03
 110' GAL BARREL ** = 400 GAL/DAY
 ANTIMONIST BOARD OF HEALTH REGULATIONS REQUIRE 400 * 1.5% = 550 GAL/DAY
 SEWER TRUNK REQUIRED 310 CMG 15.03
 2000' * 550 = 1100 CMG
 USE 1500 GAL PRACTICE TRUNK
 106" * 1510 * 510 (58" TO NEW STREET)
 LAMINATE SYSTEM REQUIRED WITH 0.5% SLOPE
 550 CMG * 100% = 550 CMG 100%
 DUE TO SOIL CONDITIONS AND DENSITY TO BE USED IN TABLE A LAMINATE CHIMNEY DESIGN 1512 BE USED PER
 310 CMG 15.11 SECTION
 USE TWO CHIMNEYS 10" * 5" * 3'
 WITH 2 FT OF STODLE AND SIDES
 EFFECTIVE DEPTH 2 FT
 EFFECTIVE LENGTH 10 FT
 EFFECTIVE WIDTH 11 FT
 BOTTOM AREA 10 FT * 11 FT = 350 FT²
 SIDE WALL 2 (11 FT * 2 FT * 2 + 11 FT * 2 FT * 2) = 216 FT²

TOTAL PERMEABILITY
 216 FT² * 3.5 + 350 * 1.0 = 890 gal

SPACE CHIMNEYS 22 FT APART
 FOR PREVENTIVE DRAIN
 FROM CENTER ROAD E OF LOT 200.00 FT



- INSTALLATION NOTES**
1. SEWER TRUNK TO HAVE INLET AND OUTLET TEES IN ACCORDANCE WITH SD CHAPTER 15.03, 9. DESIGN
 2. SEWER TRUNK DIST. BOX AND CHIMNEYS TO BE INSTALLED LEVEL ON COMPACT MATERIAL
 3. ALL PIPE JOINTS TO TRUNK, BOX AND CHIMNEY TO BE MONITOR SEALED
 4. NOTE PUBLIC WATER SUPPLY TO LOT.

DOUGLAS LONKS
 CIVIL ENGINEER
 101 N. 1ST ST.
 MINNEAPOLIS, MN 55401



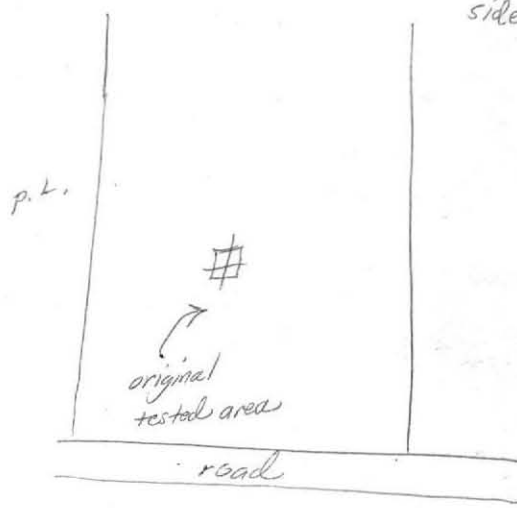
WORK BY CITY
 CEVENHILL LANE CO.,
 NO. 15745 - CIVIL ENGINEER

LOCATION OF PROP.: ^{Kohl} Doug Cole
 LOT NO.: Lot 72 Trillium Way
 Amherst Woods
 DATE PERFORMED: 10/20/88
 PERFORMED BY: * owner indicated plan to be designed by Wm. Sieruta.
 WITNESSED BY: for Bd. of Health: J. Pinski
 PERK TEST RESULTS: (tabulation on back)

1. none done on this date, see notes below.
- 2.
- 3.
- 4.

COMMENTS: Lot originally tested two years ago with an 8 ft deep test pit. New test pit dug this day to verify soil conditions and to prove a minimum depth of six feet below the proposed leaching system bottom. Area appears suitable for the location of a sewage disposal system. Hold for plan.

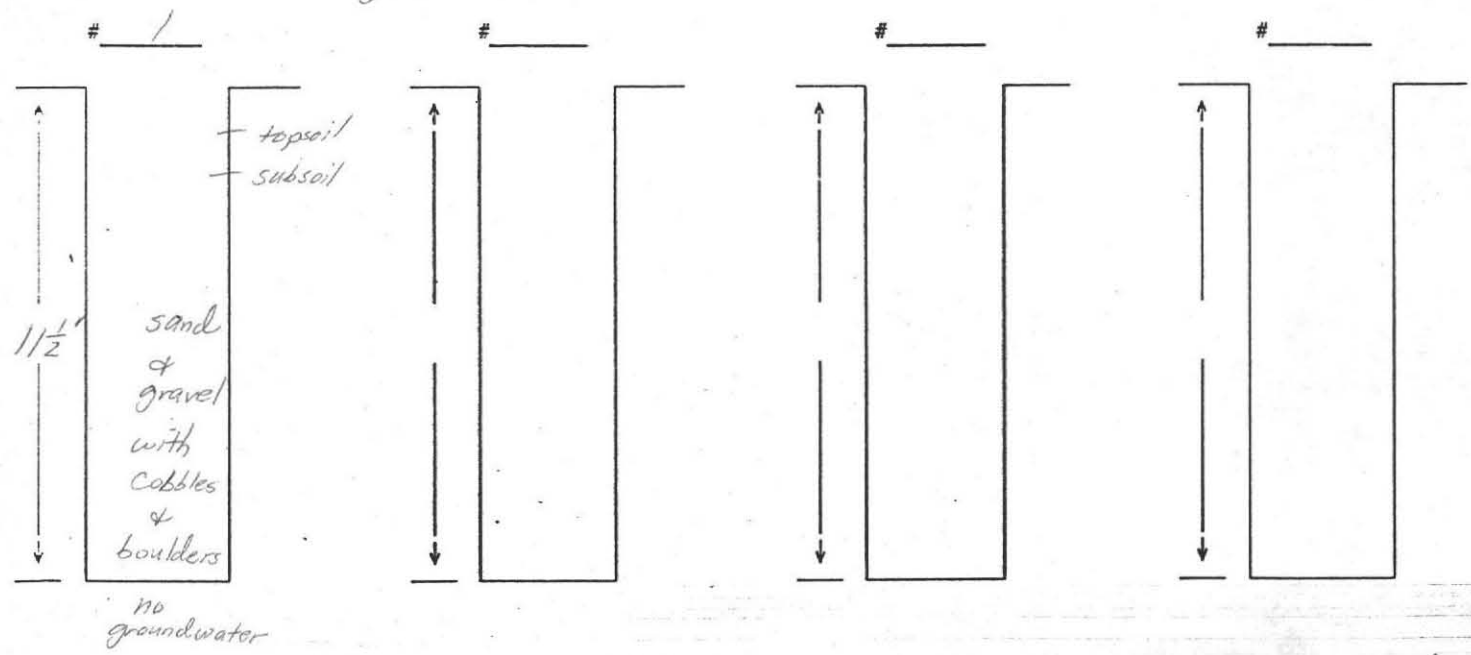
SKETCH PLAN ^{No Seale}
 test pit is located 88' from front of lot and 50' from left side lot line.



- INDICATES OBSERVATION HOLES
- INDICATES PERK TEST LOCATION

denotes groundwater

OBSERVATION HOLES





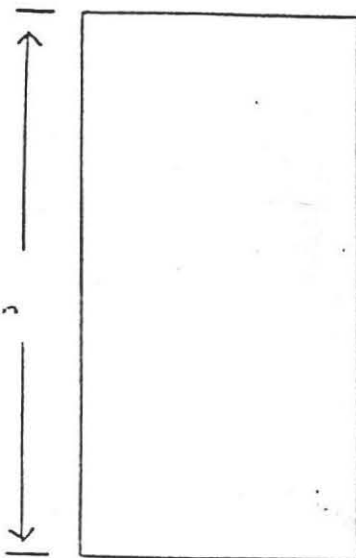
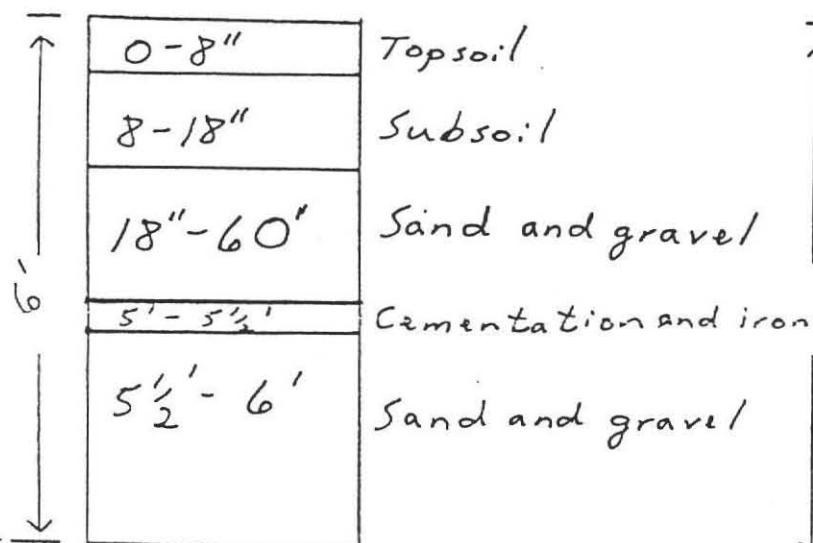
DEEP SOIL LOGS

OWNER Amherst Woods Inc.

DATE May 1, 1985

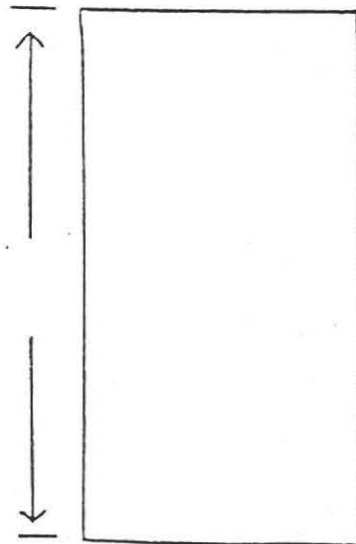
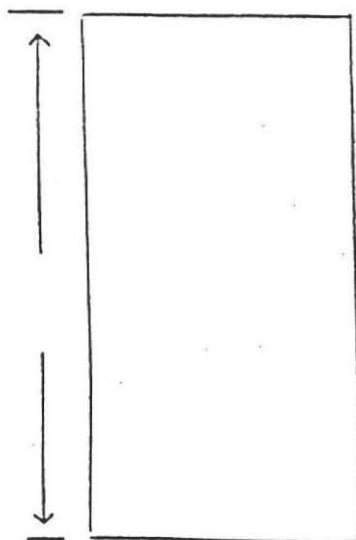
LOCATION Amherst Woods
Lot # 72

OBSERVER F.A. Filios



GROUND WATER Seepage at 4-5'

GROUND WATER _____



GROUND WATER _____

GROUND WATER _____

Percolation Rate at 30":

6 min/inch

100

DEEP SOIL LOGS

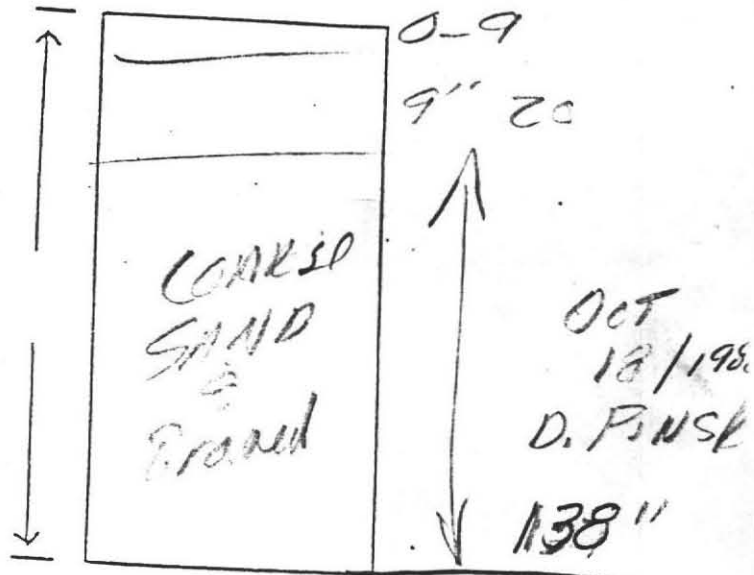
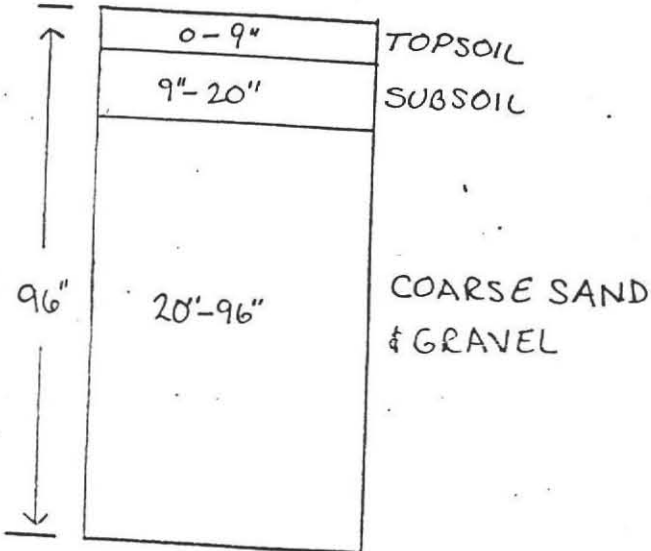
OWNER Doug Kohl

DATE April 30, 1987

LOCATION Lot 72 Amherst Woods,
Amherst

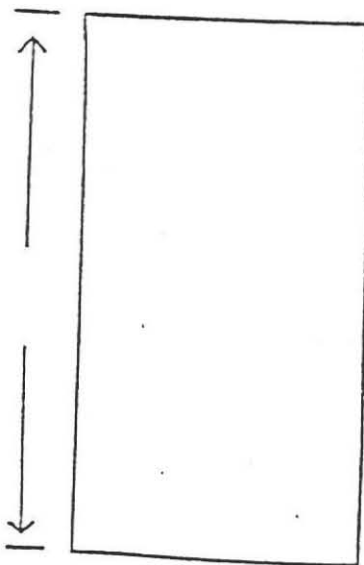
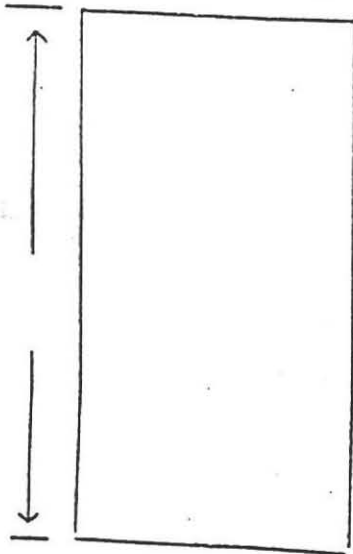
OBSERVER E.A. Filios

B of H Charlie Drake



GROUND WATER SLIGHT OXIDE STREAK 66"

GROUND WATER _____



GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 38":

2 min./inch



100

PERCOLATION TEST LOCATION

For: Amherst Woods Inc.
4413 Pine St.
Philadelphia, PA.

Scale: 1"=40'

By: F.A. Filios

At: Amherst Woods
Amherst, MA.
Lot #72

May 1985



100

Nov 4, 1988.

" Slight OXIDE STREAKS ^{hole #2} "

NOTED ON FRED'S

LOG SHEET BUT

DEEP HOLE #3 WAS OK
+ SYSTEM WAS DESIGNED
OVER THAT HOLE

RECOMMEND APPROVAL
Dave

