

No. 91-2

2/21/06
MAY "NOT"
BE → #87

FEE 60⁰⁰ FOR PLAN
D.H. Jones
CH 765-75
3/13/91
Pg. 120⁰⁰
(Lot 4+6)

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST MASS



Application for Disposal Works Construction Permit

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

LOT #6 STATE STREET AMHERST MASS
D.H. JONES Location - Address or Lot No. TRIANGLE ST AMHERST MASS

Owner Address
Installer Address

Type of Building 3 BEDROOM Size Lot 29,720 Sq. feet

Dwelling - No. of Bedrooms Expansion Attic (NO) Garbage Grinder (YES)

Other - Type of Building Resident No. of persons 6 Showers (2) - Cafeteria (NO)

Other fixtures WALK BMT WITH FOUNDATION DRAINS NO

Design Flow 110 gallons per person per day. Total daily flow 110 x 3 330 gallons. 495

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

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

Seepage Pit No. 1 Diameter 18"x13" Depth below inlet 36" Total leaching area sq. ft.

Other Distribution box () Dosing tank () BOTTOM 234 FT 2 SIDES 180 FT 2

Percolation Test Results Performed by F.A. FILIOS, R.S. Date 3/15/89

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 30" Depth to ground water DNA

Test Pit No. 2 2.0 minutes per inch Depth of Test Pit 62" Depth to ground water DNA

Description of Soil TPI-1 0-6 TOP SOIL 6-18 SUB SOIL 18-120

STRATIFIED SAND AND GRAVEL NO H2O OR

OXIDES TPI-2 0-11 TOPSOIL 11-19 SUB SOIL

19-120 SAND & GRAVEL STRATIFIED

Nature of Repairs or Alterations - Answer when applicable NO H2O NO OXIDES

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 x [Signature] Date 4/4/91

Application Approved By David Jozanski for Amherst Board of Health Date

Application Disapproved for the following reasons: Date

Permit No. 91-2 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 (X) or Repaired () by

at LOT 6 STATE STREET Installer

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. 91-2 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

Disposal Works Construction Permit

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

at No. LOT #6 STATE STREET Street 91-2 Dated 4/4/91

as shown on the application for Disposal Works Construction Permit No. 91-2 Dated 4/4/91 DATE 4/4/91 Board of Health [Signature]

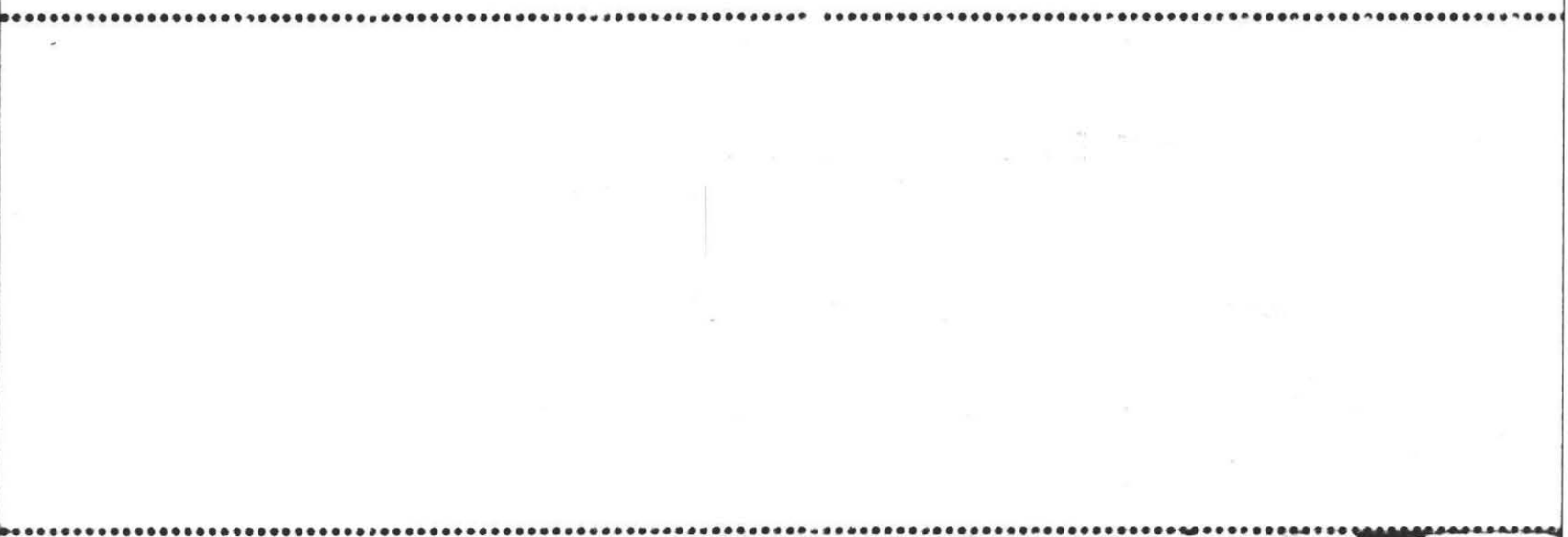
CHECK OR FILL IN WHERE APPLICABLE



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FEE 60.00 FOR PLAN
D.H. Jones
CH 765-75
3/13/91
201 120
(607-416)

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST MASS

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Type of Building 3 BEDROOM
Dwelling - No. of Bedrooms Expansion Attic (NO) Garbage Grinder (YES)
Other - Type of Building RESIDENT No. of persons (4) Showers (2) - Cafeteria (NO)
Other fixtures WALK BMT WITH FOUNDATION 2 DRAINIS (NO)

Design Flow 110 gallons per person per day. Total daily flow 110 x 3 330 gallons.
Septic Tank - Liquid capacity 1500 gallons Length 10'0" Width 5' Diameter 5' Depth 5' 495

Disposal Trench - No. Width Total Length Total leaching area sq. ft.
Seepage Pit No. 1 Diameter 18" x 13" Depth below inlet 30" Total leaching area sq. ft.

Other Distribution box () Dosing tank () BOTTOM 239 FT 2 SIDES 18" x 12"

Percolation Test Results Performed by E.A. FILIUS RS Date 3/15/89

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 30" Depth to ground water DNA

Test Pit No. 2 2.0 minutes per inch Depth of Test Pit 62" Depth to ground water DNA

Description of Soil TPI-1 0-6 TOP SOIL 6-18 SUB SOIL 18-120 STRATIFIED SAND AND GRAVEL NO H2O OR OXIDES

TPI-2 0-11 TOPSOIL 11-17 SUBSOIL 17-120 SAND & GRAVEL STRATIFIED

Nature of Repairs or Alterations - Answer when applicable NO H2O NO OXIDES

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Signed [Signature] Date 4/4/91

Application Approved By [Signature] Date 4/4/91

Application Disapproved for the following reasons:

Permit No. 91-2 Issued Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

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TOWN OF Amherst

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as shown on the application for Disposal Works Construction Permit No. 91-2 Dated 4/4/91

DATE 4/4/91 [Signature] Board of Health

CHECK OR FILL IN WHERE APPLICABLE



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NO. 100
REPORT
UNIT

1/1/11
UNIT

TOWN OF AMHERST

PERC TEST DATA SHEET

DATE 3/15/89 LOCATION STATE STREET LOT SIZE LOT #6

OWNER JONES ADDRESS _____ TELE # _____

P.E./RS Fred Filios FIRM Filios ENT. OBSERVED BY D. Zarnowski

BACK HOE OPERATOR Kenan Prop. BENCH MARK _____

PERC DEPTH 36 PRE SOAK TIME 1:04 PERC DEPTH 62 PRE SOAK TIME 1:40

TEST	<u>1:04</u>	<u>CANT</u>	<u>Hold</u>
	<u>CANT</u>	<u>1:47 12"</u>	<u>7" 1:54⁵⁵</u>
	<u>Hold</u>	<u>1:52" 9"</u>	<u>6 1:57</u>
		<u>1:50¹⁵ 8</u>	

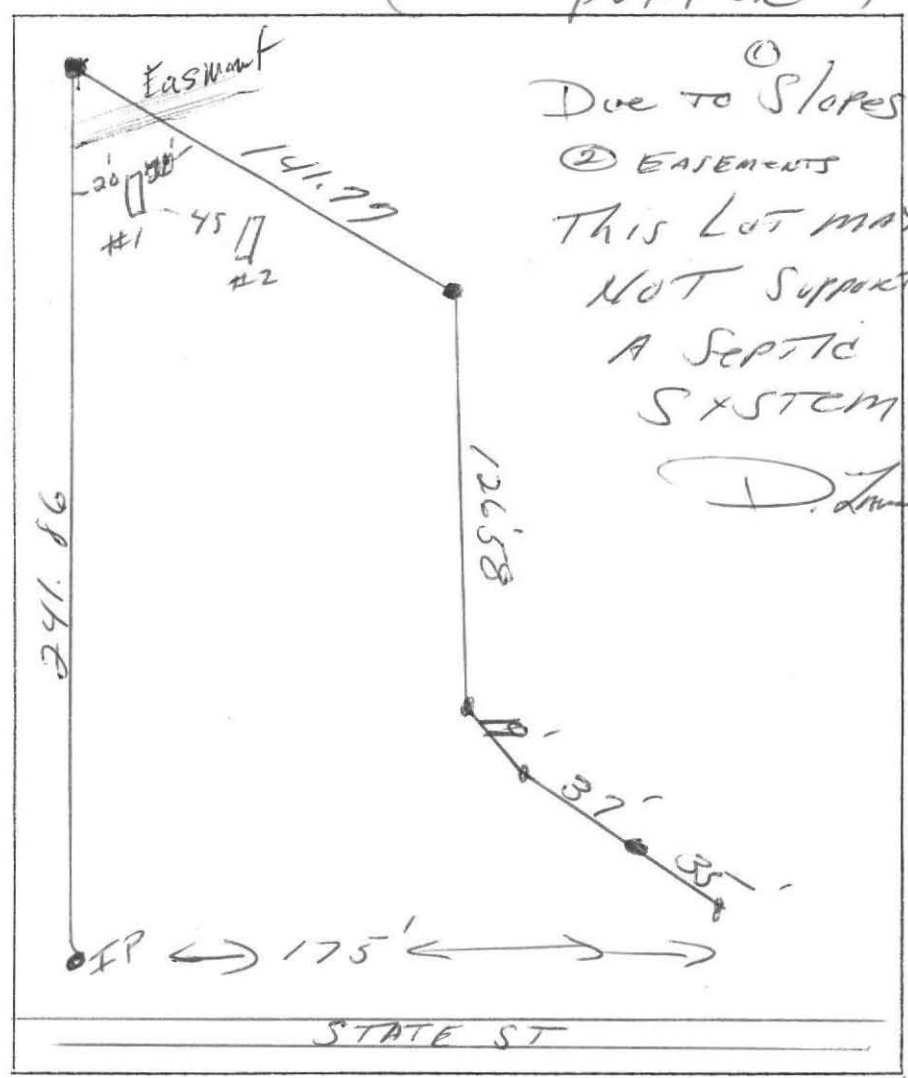
RATE (2) RATE (2)

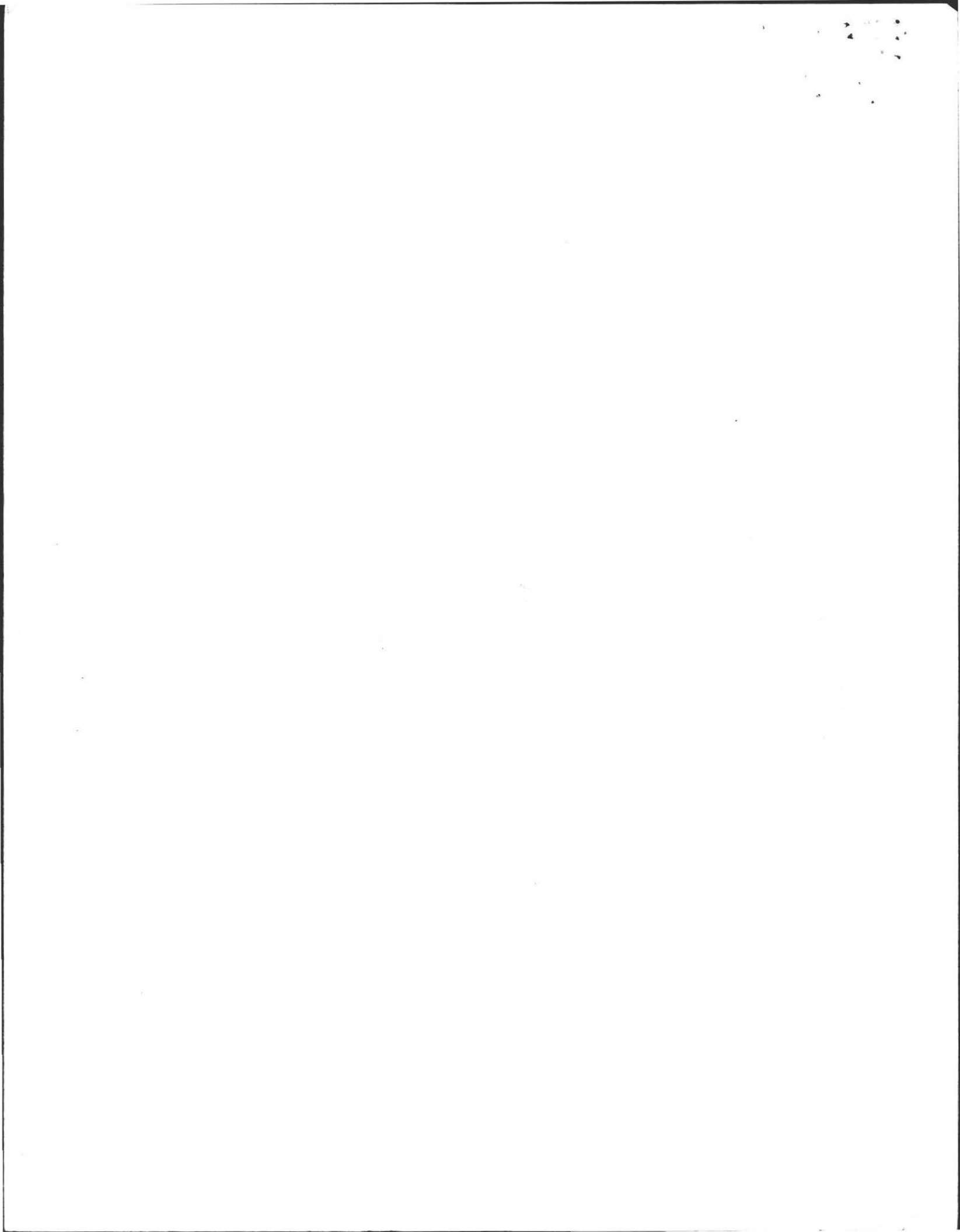
(TOWN Sewage PUFFER)

#	#2
TOP 6"	TOP 11
SUB 18"	SUB 19
START SANDS + Gravel 10'	SAND + Gravel 19'

TOP	TOP
SUB	SUB

TOP	TOP
SUB	SUB





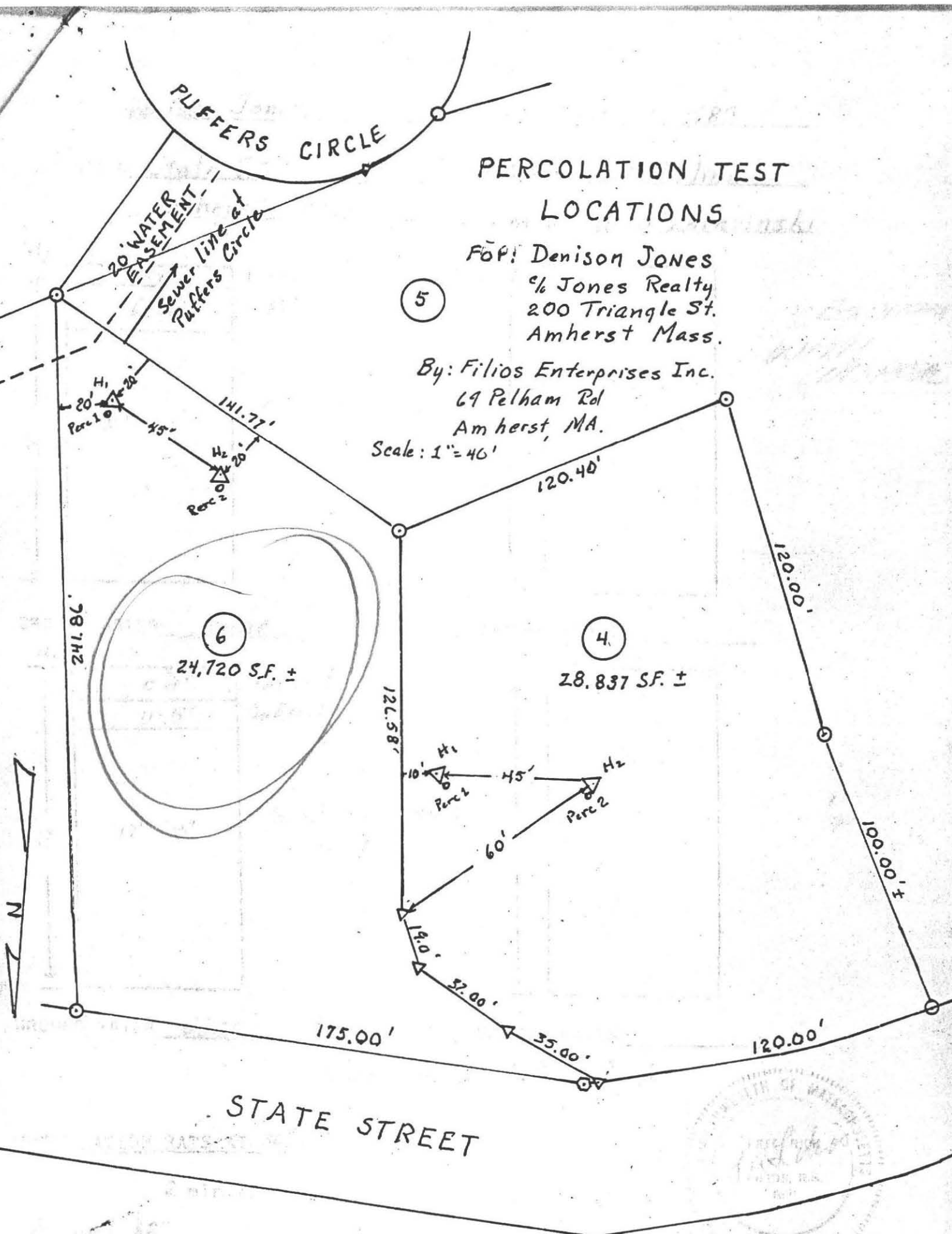
PERCOLATION TEST LOCATIONS

FOR: Denison Jones
 % Jones Realty
 200 Triangle St.
 Amherst Mass.

5

By: Filios Enterprises Inc.
 69 Pelham Rd
 Amherst, MA.

Scale: 1" = 40'

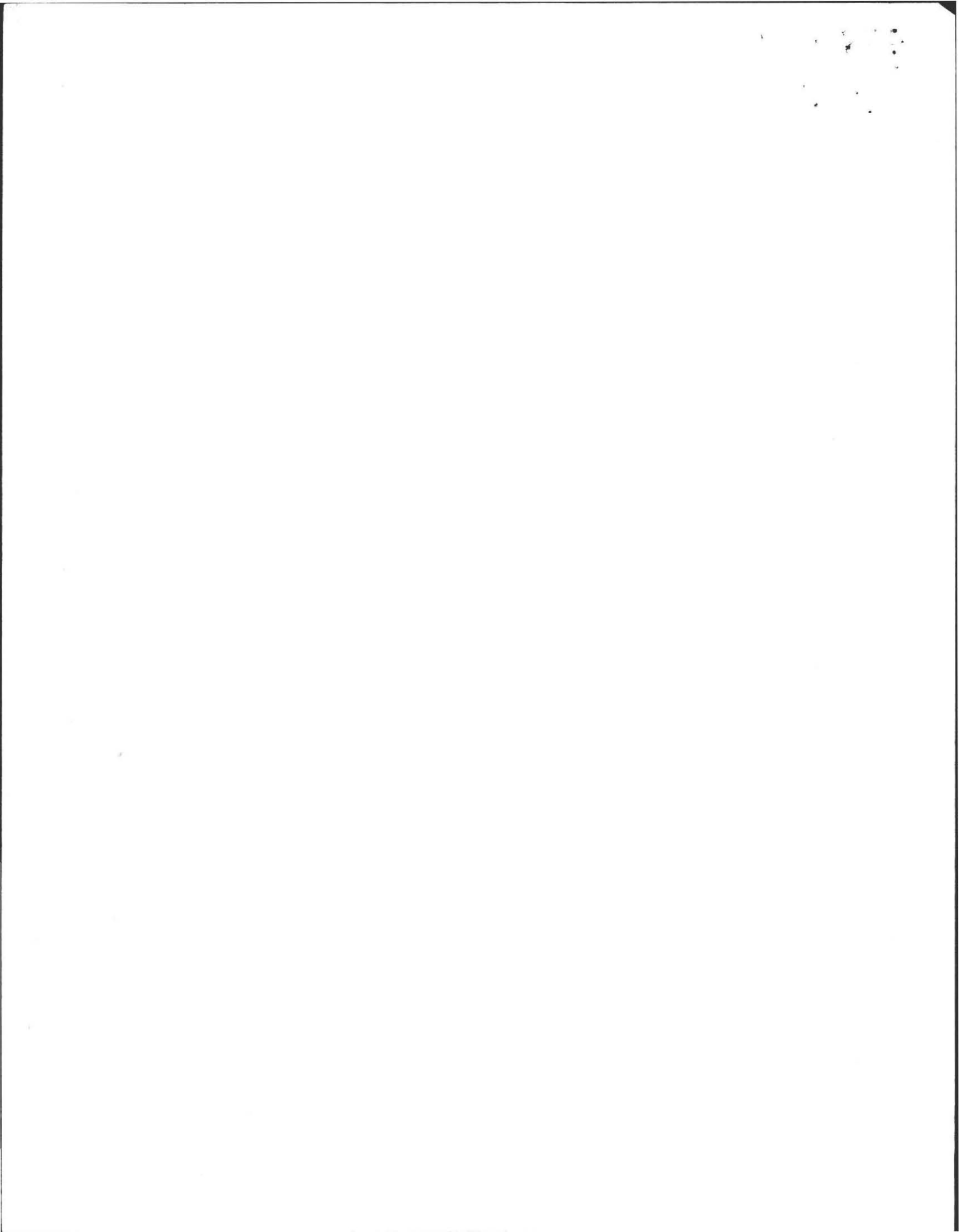


6
 24,720 SF. ±

4
 28,837 SF. ±

STATE STREET





DEEP SOIL LOGS

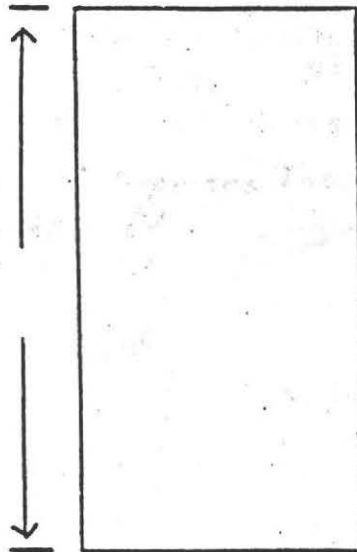
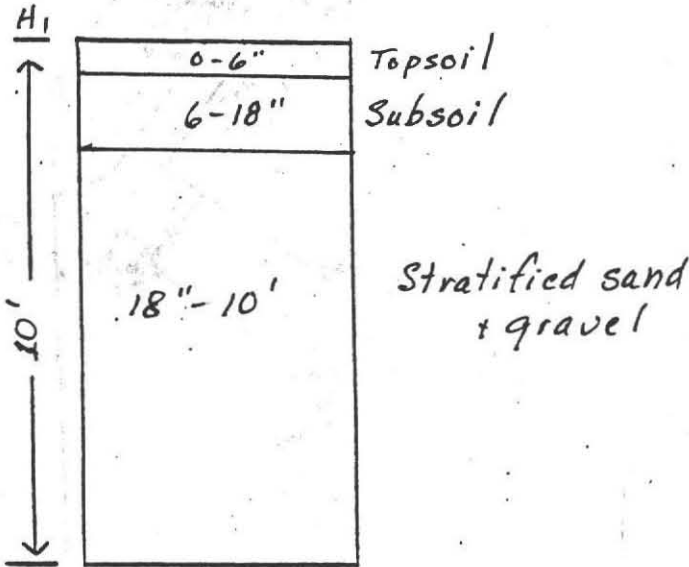
OWNER Denison Jones

DATE Mar. 15 1989

LOCATION State St. Lot #6
Amherst Mass.

OBSERVER F.A. Filios

B of H David Zarazinski

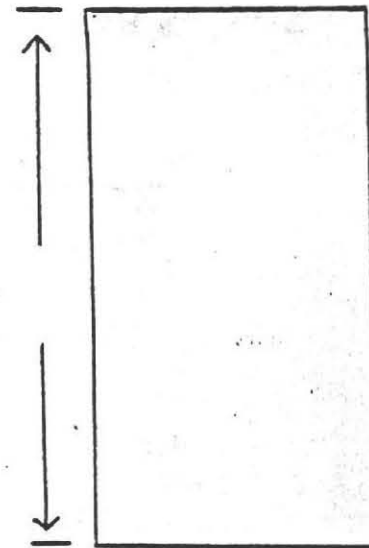
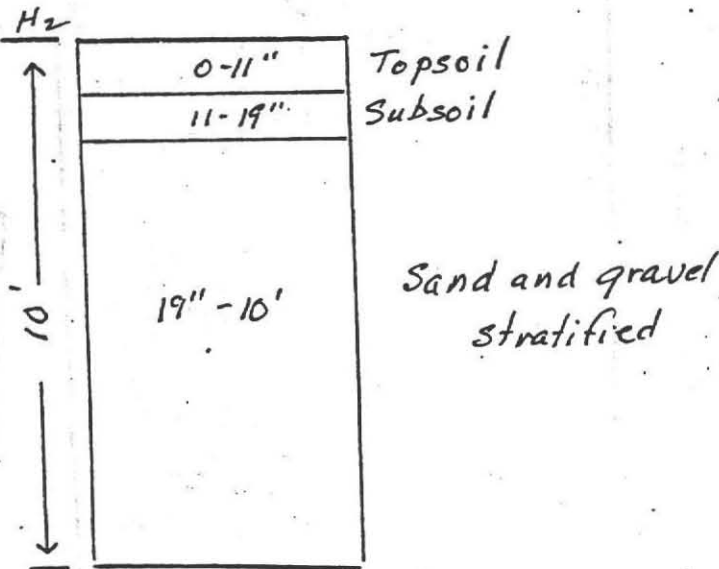


3 BED ROOM
WITH
DISPOSE



GROUND WATER none

GROUND WATER _____



GROUND WATER None

GROUND WATER _____

Sewer line at Puffer's Circle

PERCOLATION RATE AT 36":

2 min./inch

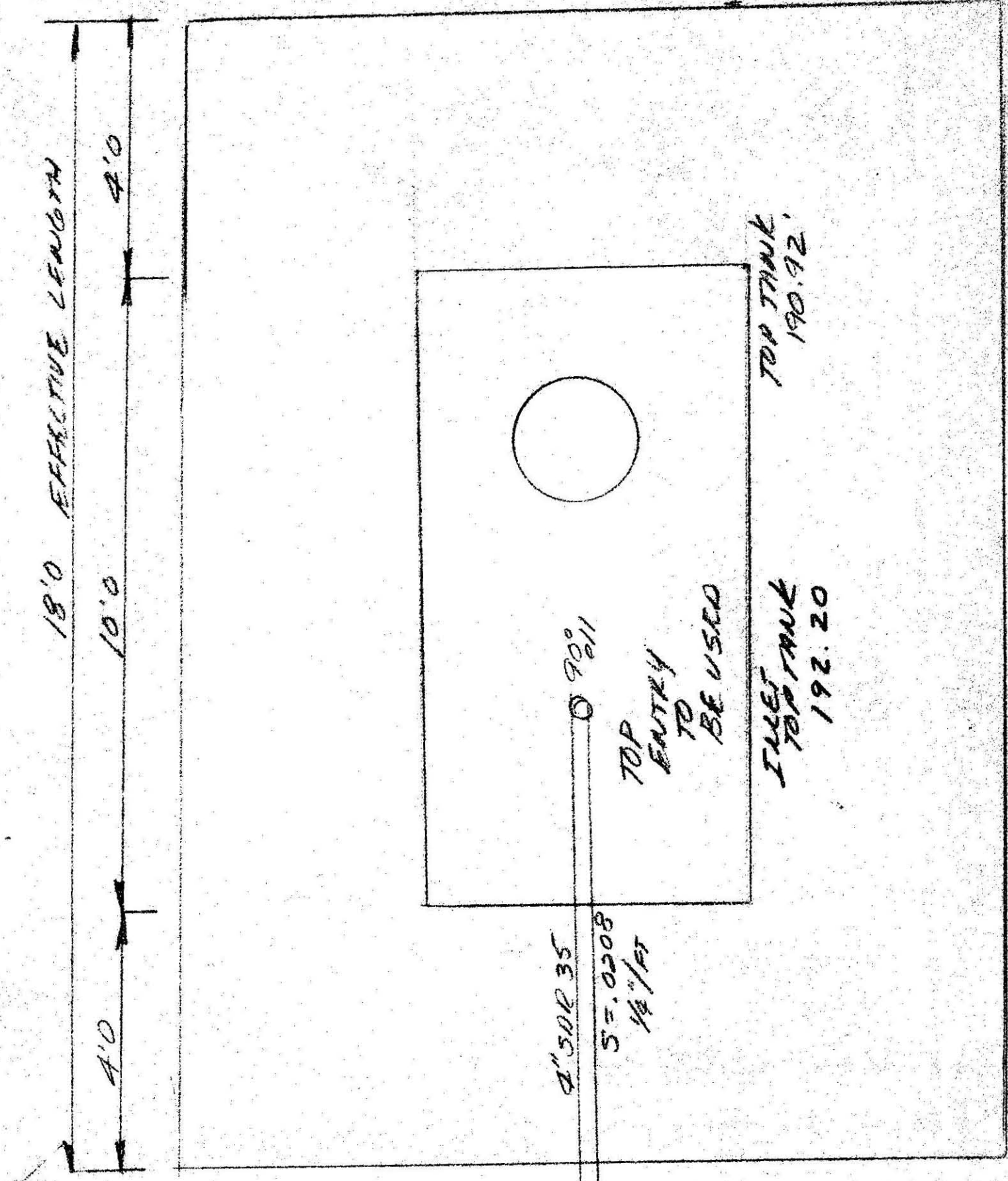
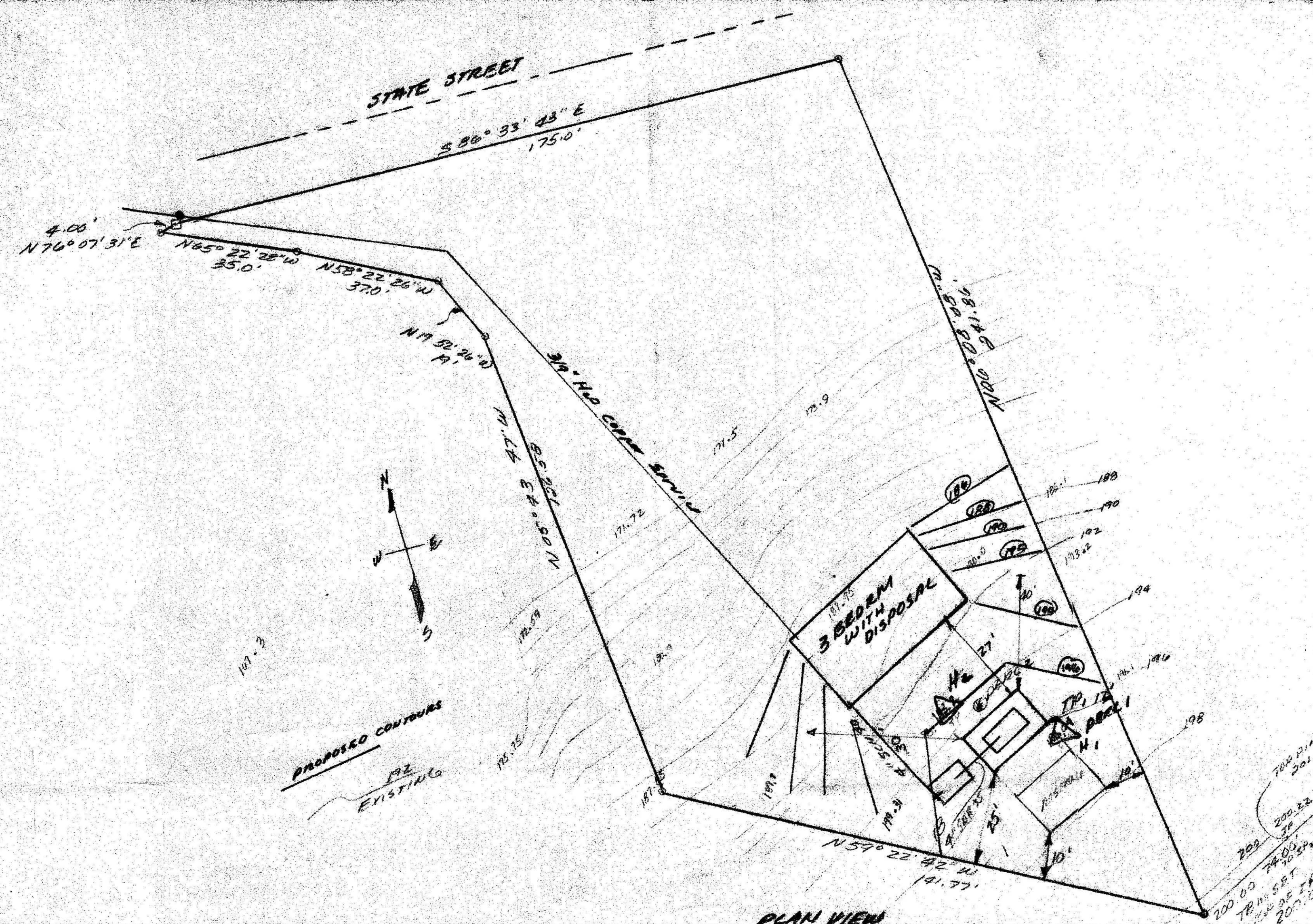
Perc. at 62"

2 min/inch



**PERCOLATION TEST
SURFACED DATA**

TEST PIT #1		TEST PIT #2	
0-4	TOP SOIL	0-11	TOP SOIL
4-18	SUB SOIL	11-19	SUB SOIL
18-100	STRATIFIED SAND AND GRAVEL	19-100	SAND & GRAVEL STRATIFIED
180.09	NO H ₂ O or ONDS	189.20	NO H ₂ O or ONDS
DATE MARCH 15 1989		DATE MARCH 15 1989	
FA FILIOS, RS.		FA FILIOS, RS.	
WITNESS D. ZARZYNSKI B.O.H.		WITNESS D. ZARZYNSKI B.O.H.	
PIT DEPTH 30"		PIT DEPTH 30"	
2.0 MIN/INCH		2.0 MIN/INCH	
PIT DEPTH 42"		PIT DEPTH 42"	
2.0 MIN/INCH		2.0 MIN/INCH	



DESIGN INFORMATION

USE SINGLE FAMILY RESIDENTIAL STRUCTURE
3 BED ROOM UNIT WITH DISPOSAL
FOUNDATION TO HAVE FOUNDATION
DRAINS

DESIGN FLOW 30 GPM @ 1500
110 GAL BED ROOM x 3 = 330 GAL/DAY
WITH DISPOSAL
330 GAL/DAY x 150% = 495 GPM
LOCAL BOARD OF HEALTH REGULATIONS
4.5 x 1.25 = 5.625 GPM/DAY
SEPTIC TANK 1500 30 CMR 15.00

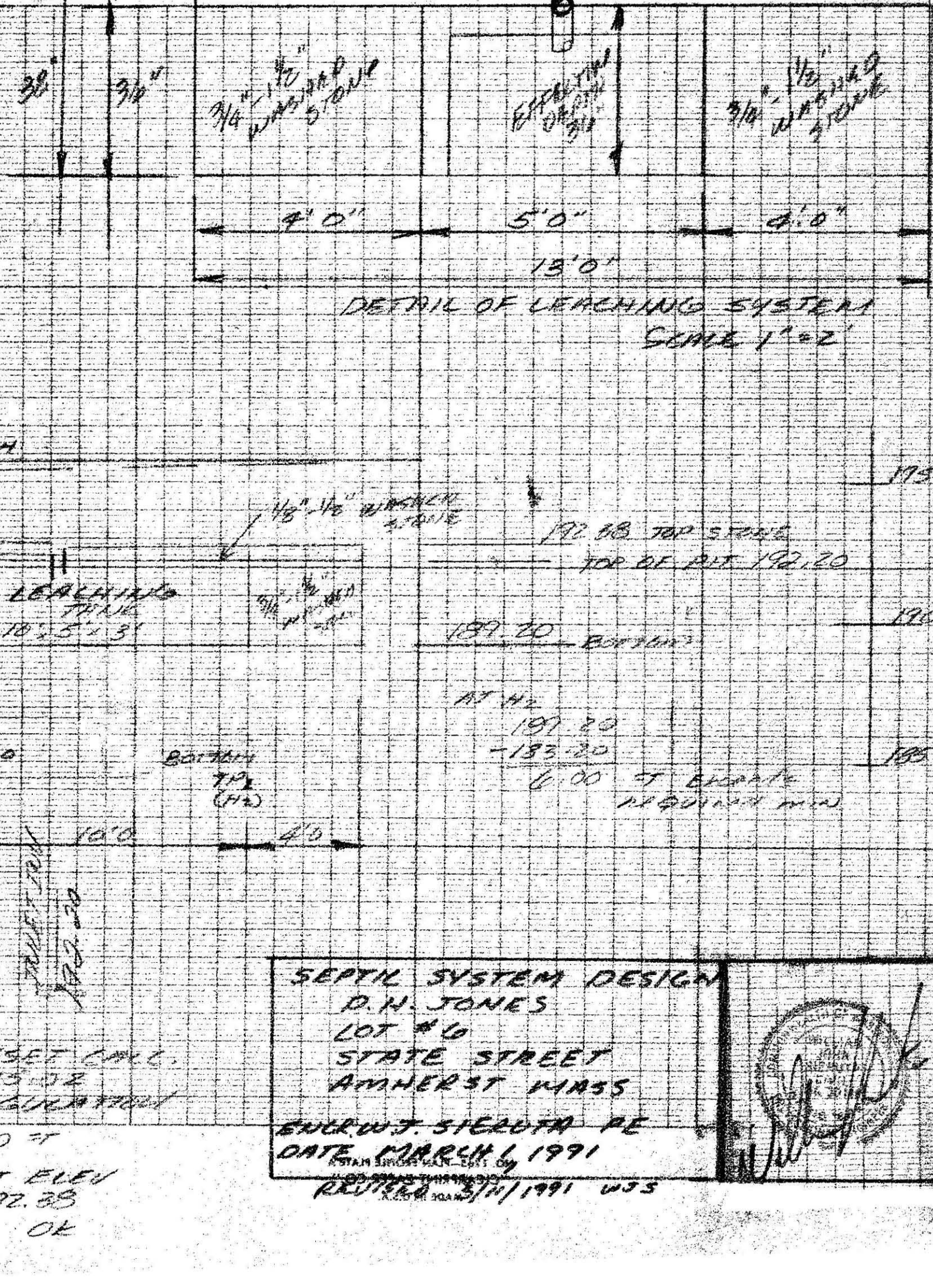
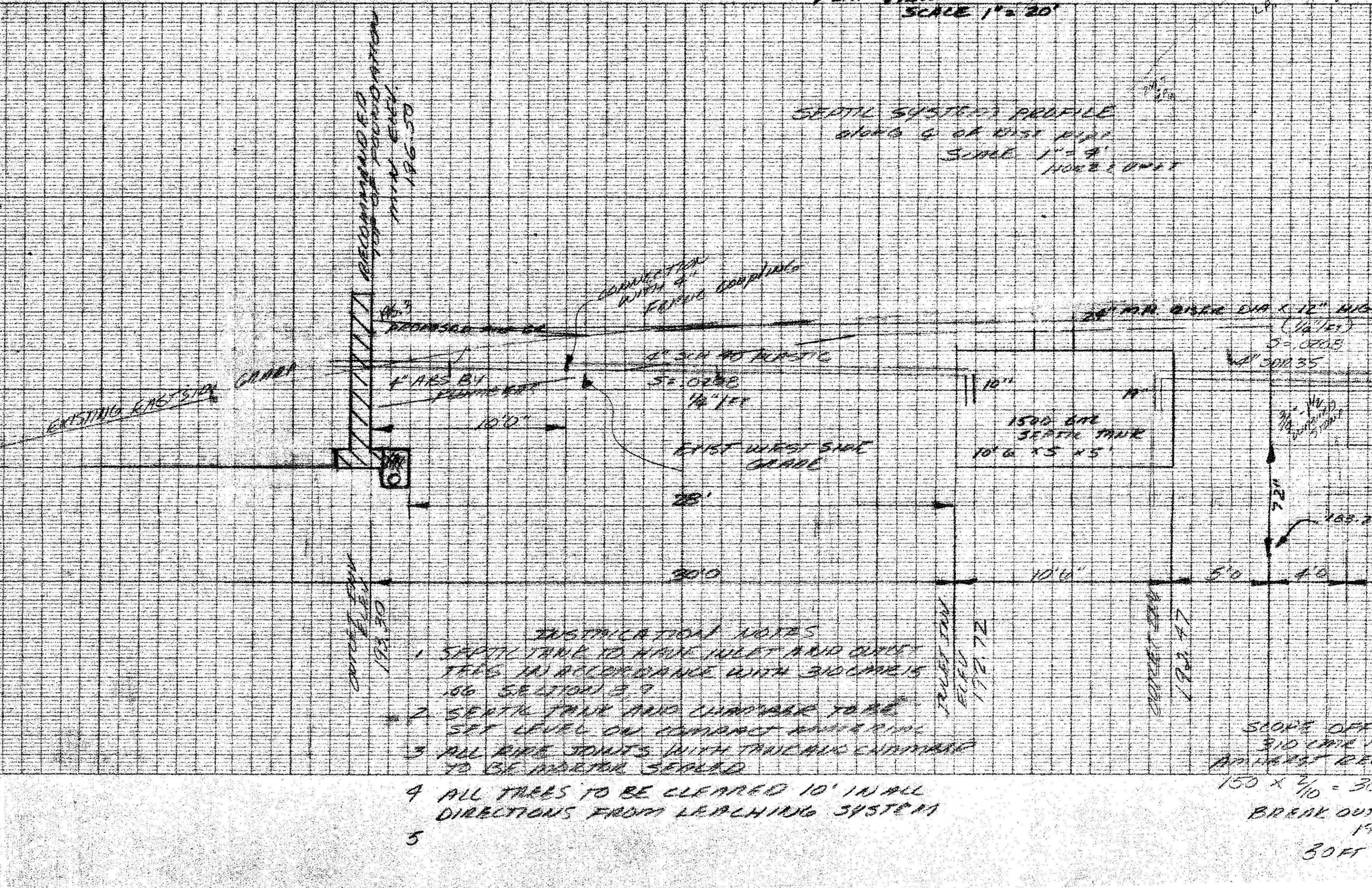
330 GAL/DAY x 300% = 1000 GPM
MAXIMUM SIZE PERMITTED PER 310 CMR 15.00
SECT. 1500 GAL/TANK
USE 1500 GAL TANK
10' x 15' x 5'

LEACHING SYSTEM PERCOLATION
DUE TO SOIL CONDITIONS
A LEACHING PIT DESIGN IS
TO BE USED PER 310 CMR 15.00
1.0 GPM/FT²

EFFECTIVE DEPTH 3'
EFFECTIVE WIDTH 13'
EFFECTIVE LENGTH 15'

BOTTOM AREA 13' x 15' = 234 FT²
SIDE WALL AREA
13' x 3' x 2 + 15' x 3' x 2 = 180 FT²

TOTAL PERIMETER 234 FT x 1.0 = 234 + 465 = 699 GPM/DAY



- INSTRUCTIONAL NOTES**
1. SEPTIC TANK TO HAVE INLET AND OUTLET TIES IN ACCORDANCE WITH 310 CMR 15.00 SECTION 3.9
 2. SEPTIC TANK AND LEACHING TANK SET LEVEL ON COMMON BENCH MARK
 3. ALL PIPE JOINTS WITH TRAILING CHAIRS TO BE MARKED SERVED
 4. ALL TREES TO BE CLEARED 10' IN ALL DIRECTIONS FROM LEACHING SYSTEM
 - 5.

SEPTIC SYSTEM DESIGN
D.H. JONES
LOT #10
STATE STREET
AMHERST MASS

ENGINEER STEPHEN RE
DATE MARCH 1991
REVISION 1/1991 W33