

1910, State St. Lot 6 Suspect Sewer

No. 91-2

FEE 60<sup>00</sup> FOR PLAN D.H. Jones CH 765-75 3/13/91 Pg. 123 (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 TRIANGLE ST AMHERST MASS

Type of Building Dwelling - No. of Bedrooms 3 BEDROOM Expansion Attic (NO) Garbage Grinder (YES)

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

Septic Tank - Liquid capacity 500 gallons Length 10'6" Width 5' Diameter 5' Depth 5'

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

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

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

Application Approved By David Paegle for Assistant Board of Health 4/4/91

Permit No. 91-2 Issued

NEED PARCEL

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 LOT 6 STATE STREET

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

No. 91-2

TOWN OF Amherst

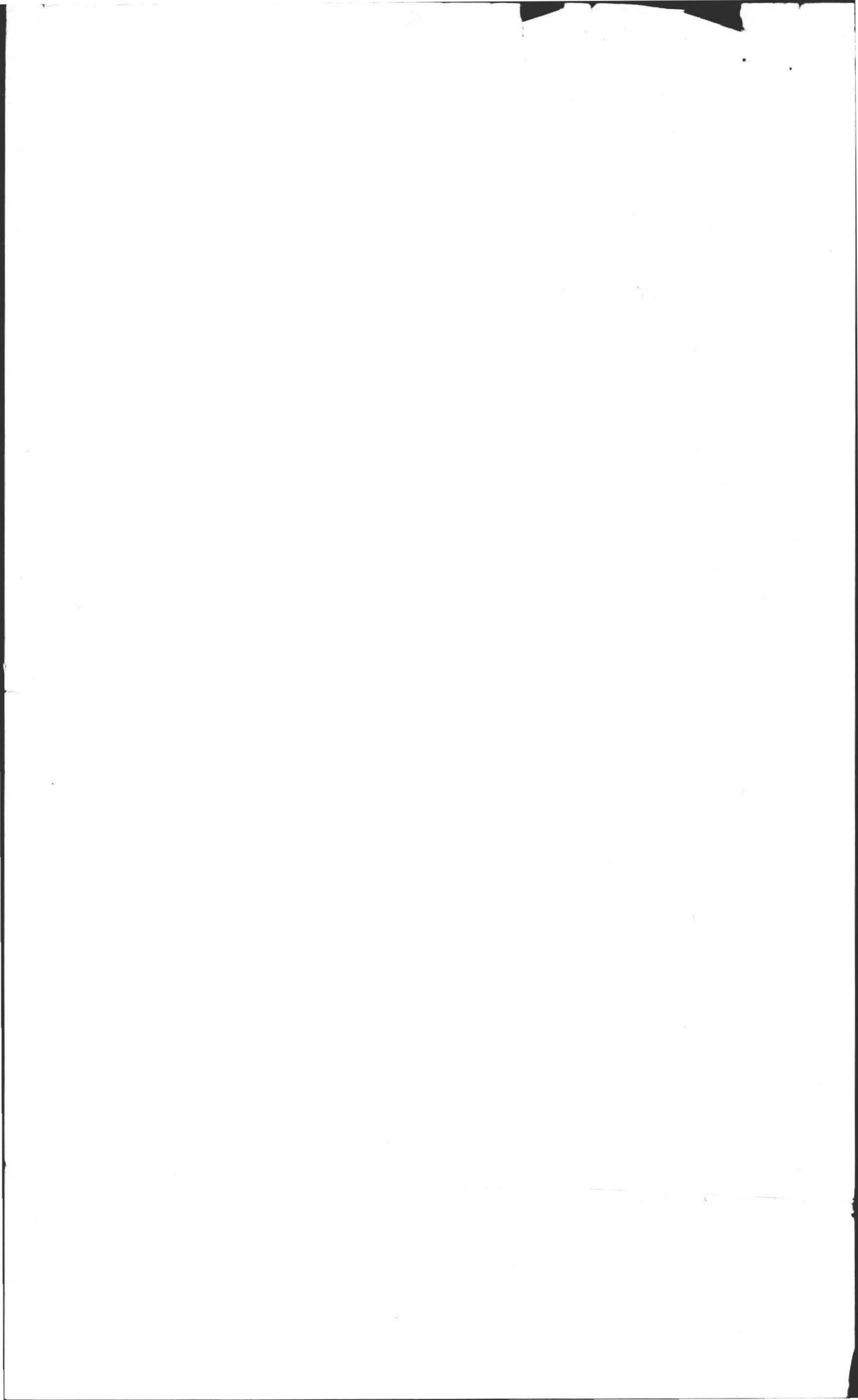
FEE 60<sup>00</sup> FOR PLAN

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

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

DATE 4/4/91 David Paegle Board of Health

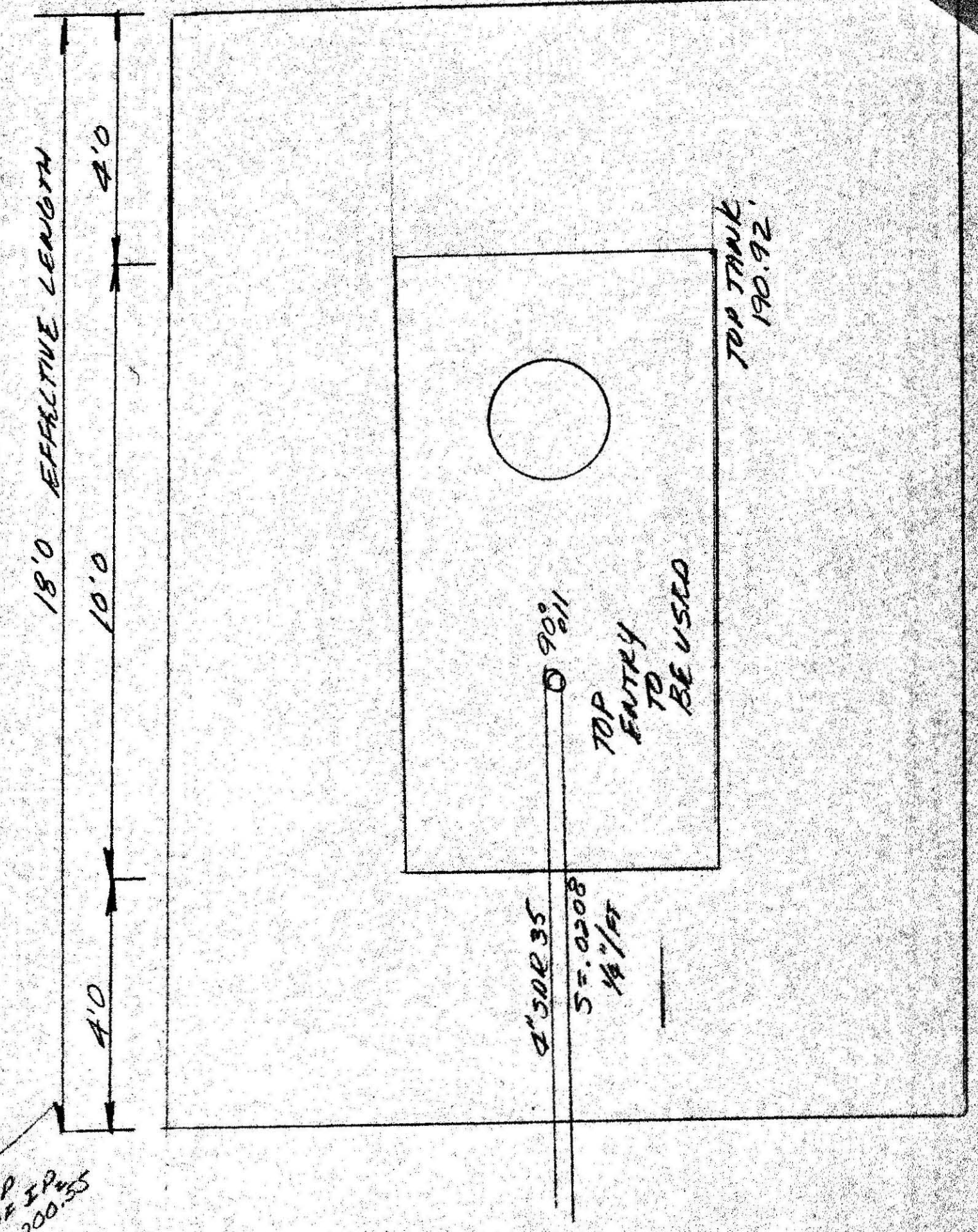
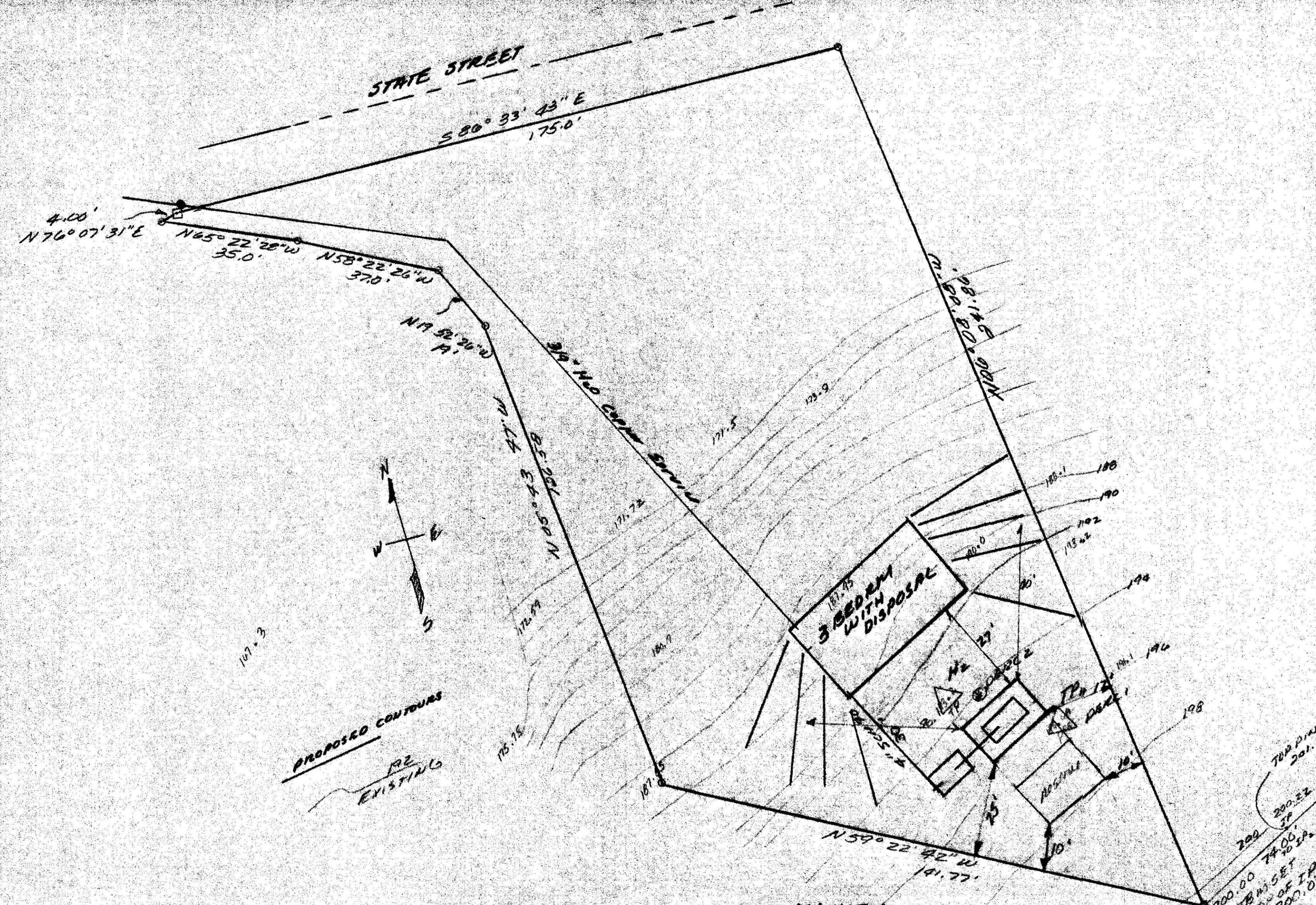




**PRODUCTION TEST INFORMATION**

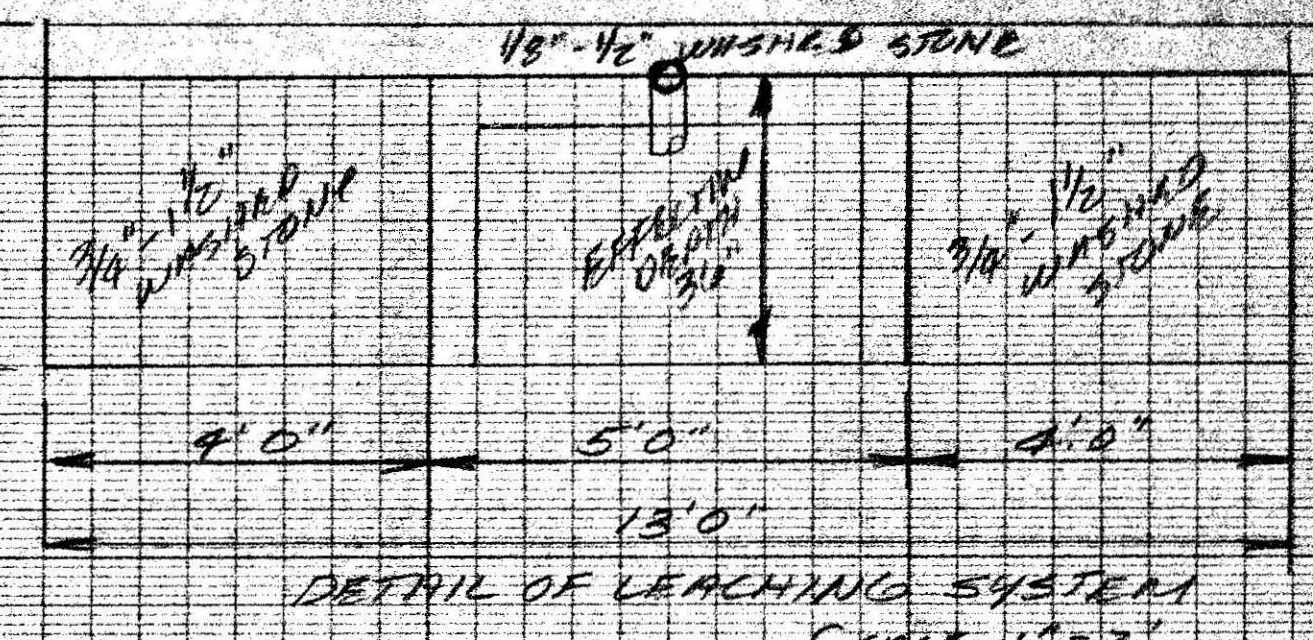
TEST PIT #1		TEST PIT #2	
0-6	TOP SOIL	0-11	TOP SOIL
6-18	SUB SOIL	11-19	SUB SOIL
18-100	STRATIFIED SAND AND GRAVEL	19-100	SAND & GRAVEL stratified

NO H<sub>2</sub>O or oxides  
 DATE MARCH 15 1987  
 F.A. FILIOS P.S.  
 WITNESS D. ZARNIUSKI B.O.H.  
 PERL DEPTH 30"  
 2.0 MIN/INCH



**PLAN VIEW SCALE 1" = 20'**

**SEPTIC SYSTEM PROFILE along C of DIST PIPE SCALE 1" = 4' 100' VERTICAL UNIT**



**DETAIL OF LEACHING SYSTEM SCALE 1" = 2'**

**DESIGN CRITERIA**  
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.0 AND LOCAL BOARD OF HEALTH REG  
 FINISH GRADING TO BE SIMILAR TO EXISTING GRADING. ALL DISTURBED AREAS TO BE LOAMED AND SEEDED

**DESIGN INFORMATION**  
 USE SINGLE FAMILY RESIDENTIAL STRUCTURE 3800 ROOM UNIT WITH DISPOSAL FOUNDATION TO HAVE FOUNDATION DRAINS

DESIGN FLOW 30 GPM 1502  
 10 GAL BEDROOM X 3 = 330 GAL/DAY  
 WITH DISPOSAL  
 330 GAL/DAY X 150% = 495 GALS  
 LOCAL BOARD OF HEALTH REGULATION

SEPTIC TANK 1500 310 CMR 15.00  
 330 gal/day x 150% = 495 GALS

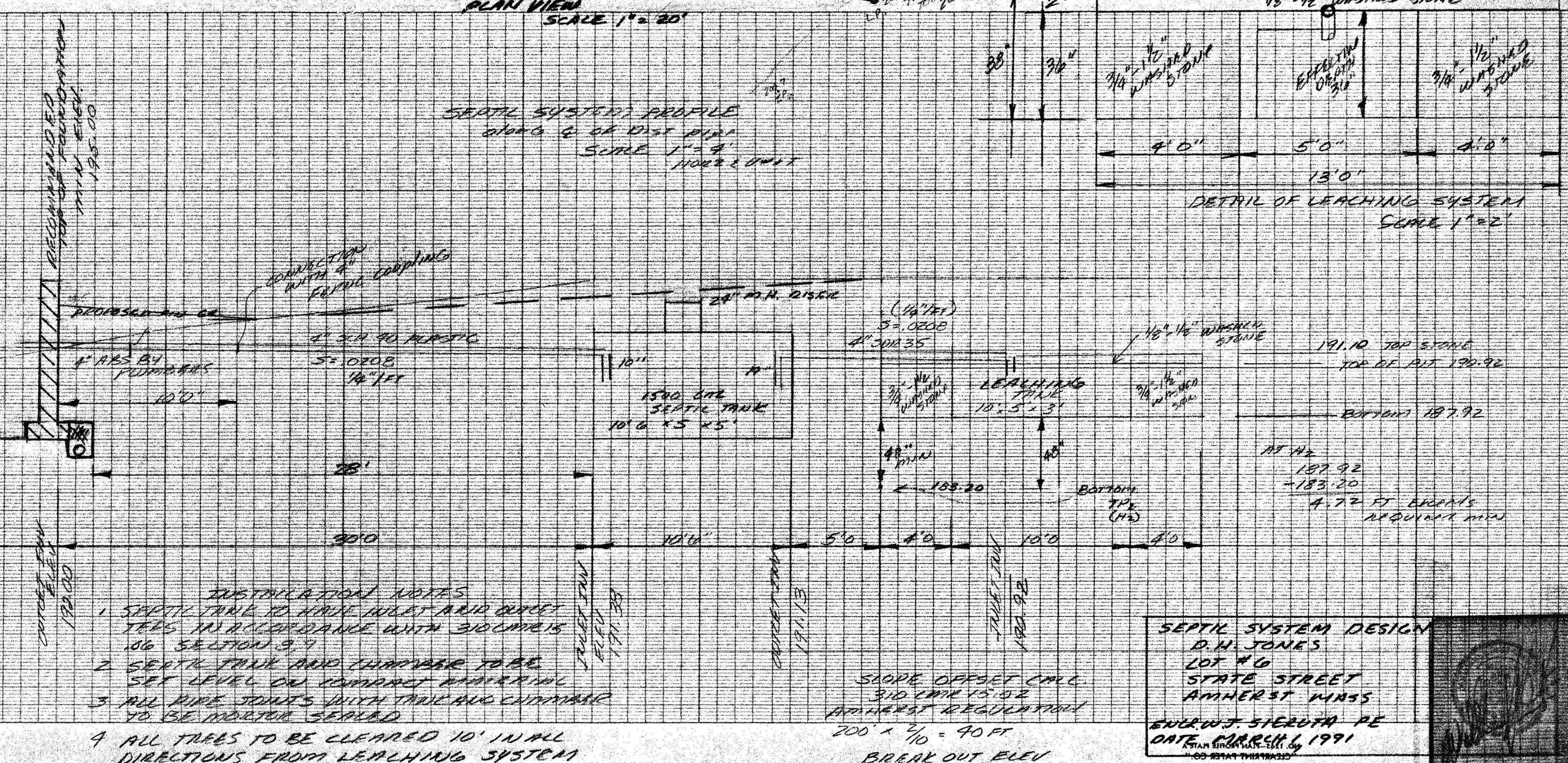
MINIMUM SIZE PERMITTED PER 310 CMR 15.00  
 SEPT. 1500 GAL/TANK  
 USE 1/2" x 1/2" CORR. TUBES

LEACHING SYSTEM  
 USE TO SOIL CONDITIONS  
 A LEACHING PIT DESIGN IS TO BE USED PER 310 CMR 15.11

EFFECTIVE DEPTH 3'  
 EFFECTIVE WIDTH 13'  
 EFFECTIVE LENGTH 18'

BOTTOM AREA 13' x 18' = 234 FT<sup>2</sup>  
 SIDE WALL AREA 13' x 3' x 2 + 18' x 3' x 2 = 186 FT<sup>2</sup>

AS SHOWN FROM MAP - 2001 ON "DO NOT REPEAT THIS DRAWING" A.S.U. IN 2004



- INSTALLATION NOTES**
1. SEPTIC TANK TO HAVE INLET AND OUTLET TEES IN ACCORDANCE WITH 310 CMR 15.06 SECTION 9.4
  2. SEPTIC TANK AND LEACHING TANK TO BE SET LEVEL ON COMPACT SAND/GRANULAR
  3. ALL PIPE JOINTS WITH TRAP AND CAPS TO BE INSTALLED SEPARATE
  4. ALL TREES TO BE CLEARED 10' IN ALL DIRECTIONS FROM LEACHING SYSTEM
  - 5.

SCORE OFFSET CALC.  
 310 CMR 15.02  
 APPROX. REGULATION  
 200' x 1/10 = 40 FT  
 BREAK OUT ELEV 191.10  
 40 FT CL

**SEPTIC SYSTEM DESIGN**  
 D.H. JONES  
 LOT #0  
 STATE STREET  
 AMHERST MASS  
 ENCL. 03. STERETA PE  
 DATE MARCH 1991  
 A.S.U. IN 2004