

159 Old Belcher's Road

(Belcher's Road)  
(10-11-12)

10

1990  
10  
10

1990  
10  
10

No. 93-2

CH 588 cc  
FEE 160  
2/5/93  
Page 18

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 (X) an Individual Sewage Disposal System at:

159 OLD BELCHERTOWN ROAD AMHERST

Location - Address

or Lot No.

Owner  
KARL'S

Address

Installer

Address

Type of Building

Size Lot 3 AC Sq. feet

Dwelling - No. of Bedrooms 9 BEDROOMS Expansion Attic ( ) NO Garbage Grinder ( )

Other - Type of Building No. of persons Showers ( ) - Cafeteria ( )

Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 990 x 1.25 = 1238 gallons.

(2) Septic Tank FIELD Liquid capacity gallons Length 10.6m Width 3.1 Diameter 5' Depth 5'

Disposal Trench - No. 33 Width 33" Total Length 45' Total leaching area 1485 sq. ft.

Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box (X) 3 BOXES Dosing tank ( )

Percolation Test Results Performed by Date

PERC Test Pit No. 1 4 minutes per inch Depth of Test Pit 46" Depth to ground water NO WATER

Test Pit No. 2 1 minutes per inch Depth of Test Pit 11" Depth to ground water

Description of Soil 0-12" LOAM 12"-132" WELL MIXED GRAVEL SMALL TO LARGE STONES, GRAIN SAND

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

Roger W. Bacon 2/5/93

Application Approved By [Signature] Date 2/5/93

Application Disapproved for the following reasons:

Permit No. 93-2

Issued Date

Roger W. Bacon  
4/20/93

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 (X) by [Signature] Installer

at 159 Old Belchertown Road

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. 93-2 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

No. 93-2

FEE 160

Disposal Works Construction Permit

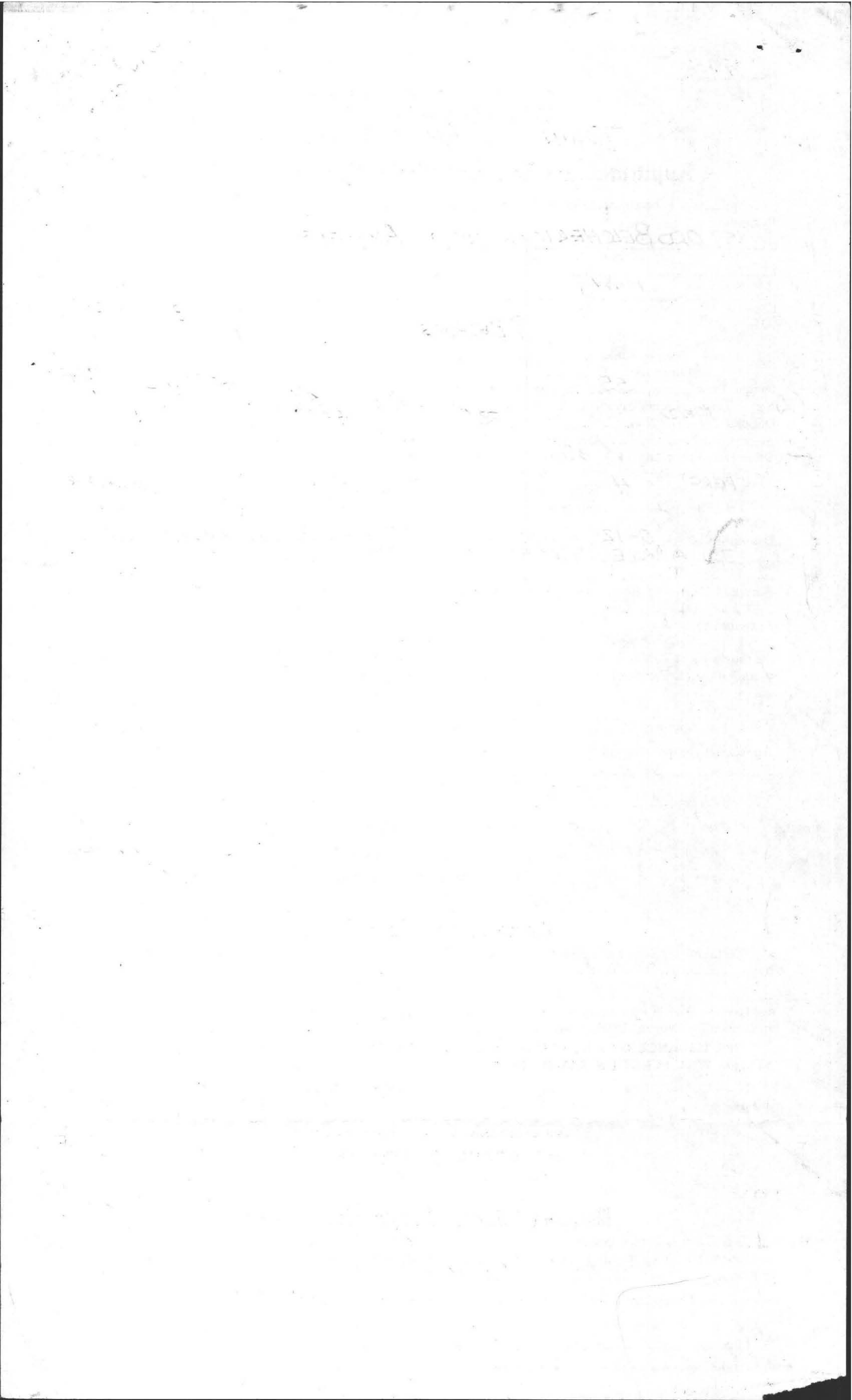
Permission is hereby granted [Signature] to Construct ( ) or Repair (X) an Individual Sewage Disposal System

at No. 159 Old Belchertown Road

as shown on the application for Disposal Works Construction Permit No. 93-2 Dated

DATE 2/5/93 [Signature] Board of Health

CHECK OR FILL IN WHERE APPLICABLE



8 miles

93-2

TOWN OF AMHERST

C K 588  
Pd 2/5/93  
Roger Bacon

PERC TEST DATA SHEET

DATE 11/15/93 LOCATION 159 Old Belchertown Road LOT SIZE \_\_\_\_\_

OWNER BARBARA BACON ADDRESS 159 Old Belchertown Rd TELE # 256-8988

P.E./RS Roger Bacon FIRM same OBSERVED BY David Zarozinski

BACK HOE OPERATOR MAR'S BENCH MARK \_\_\_\_\_

PERC DEPTH 46" PRE SOAK TIME 9:20 - 9:35 PERC DEPTH \_\_\_\_\_ PRE SOAK TIME \_\_\_\_\_

TEST <u>12"</u>	<u>8"</u>	<u>4"</u>	<u>9:44</u>
<u>11"</u>	<u>7"</u>	<u>3"</u>	<u>9:47</u>
<u>10"</u>	<u>6"</u>	<u>2"</u>	<u>9:50</u>
<u>9"</u>	<u>5"</u>		

RATE (4) RATE \_\_\_\_\_

#1

TOP <u>12"</u>	TOP
NO SUB	SUB
Small to Large Stones GRAIN SAND + Gravel	
DRY 11'	

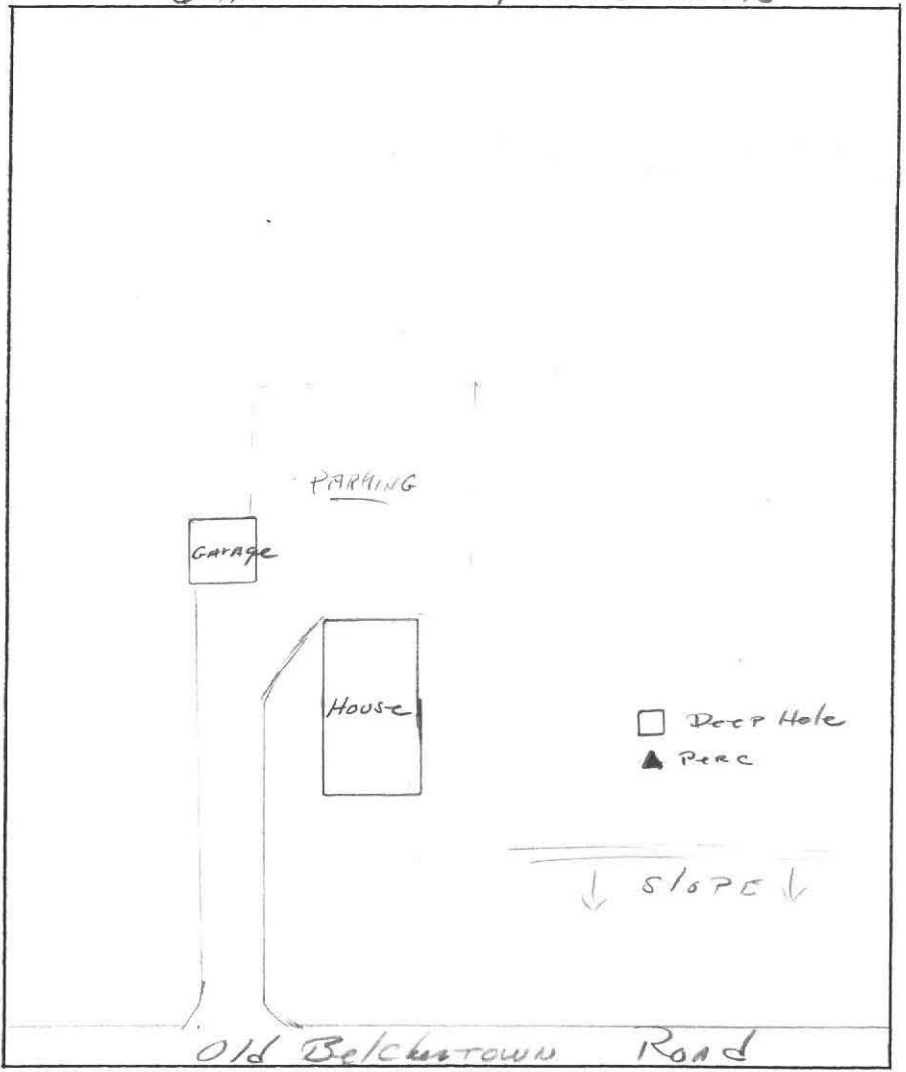
  

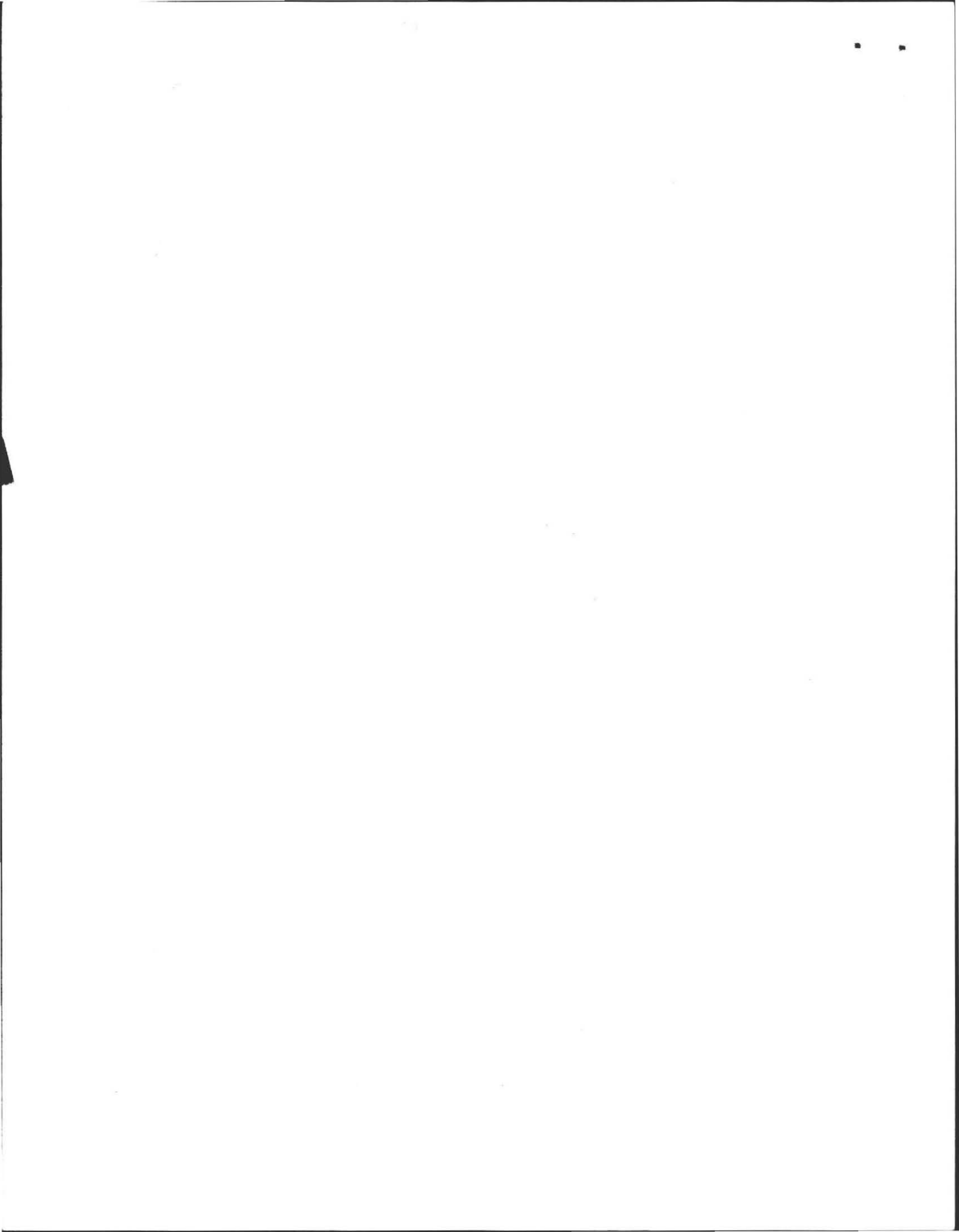
TOP	TOP
SUB	SUB

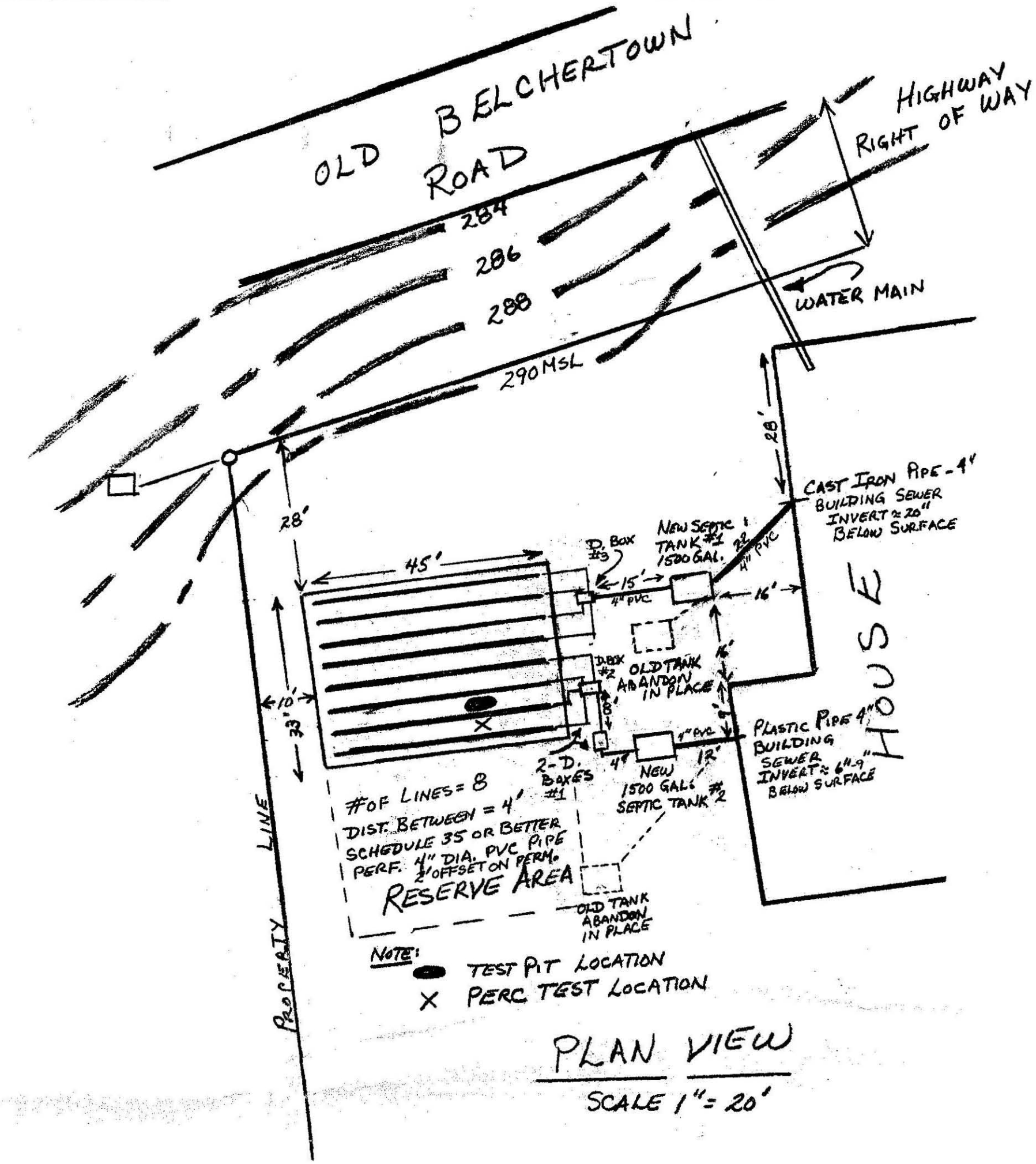
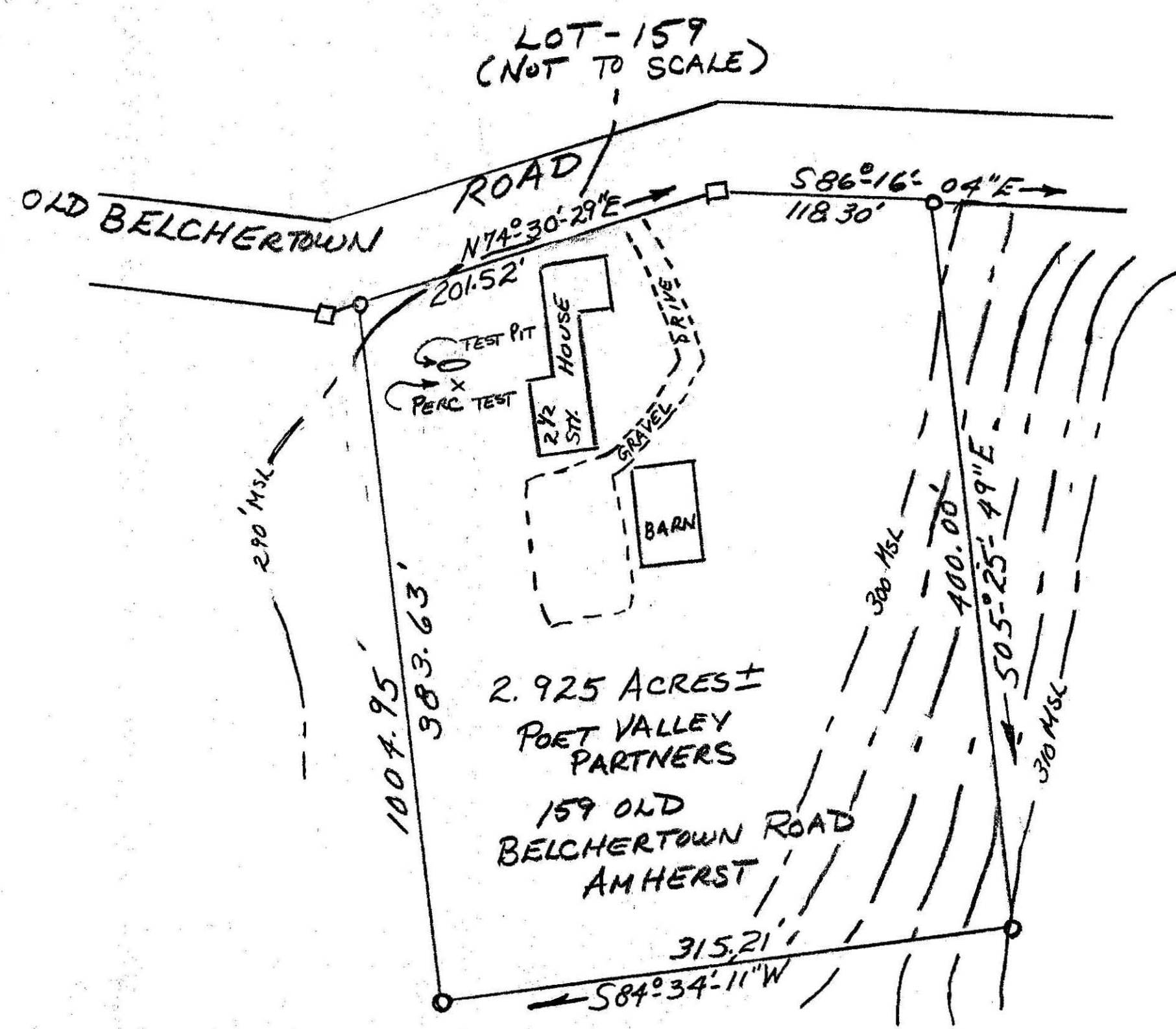
TOP	TOP
SUB	SUB

6 APTS - 9 Bedrooms

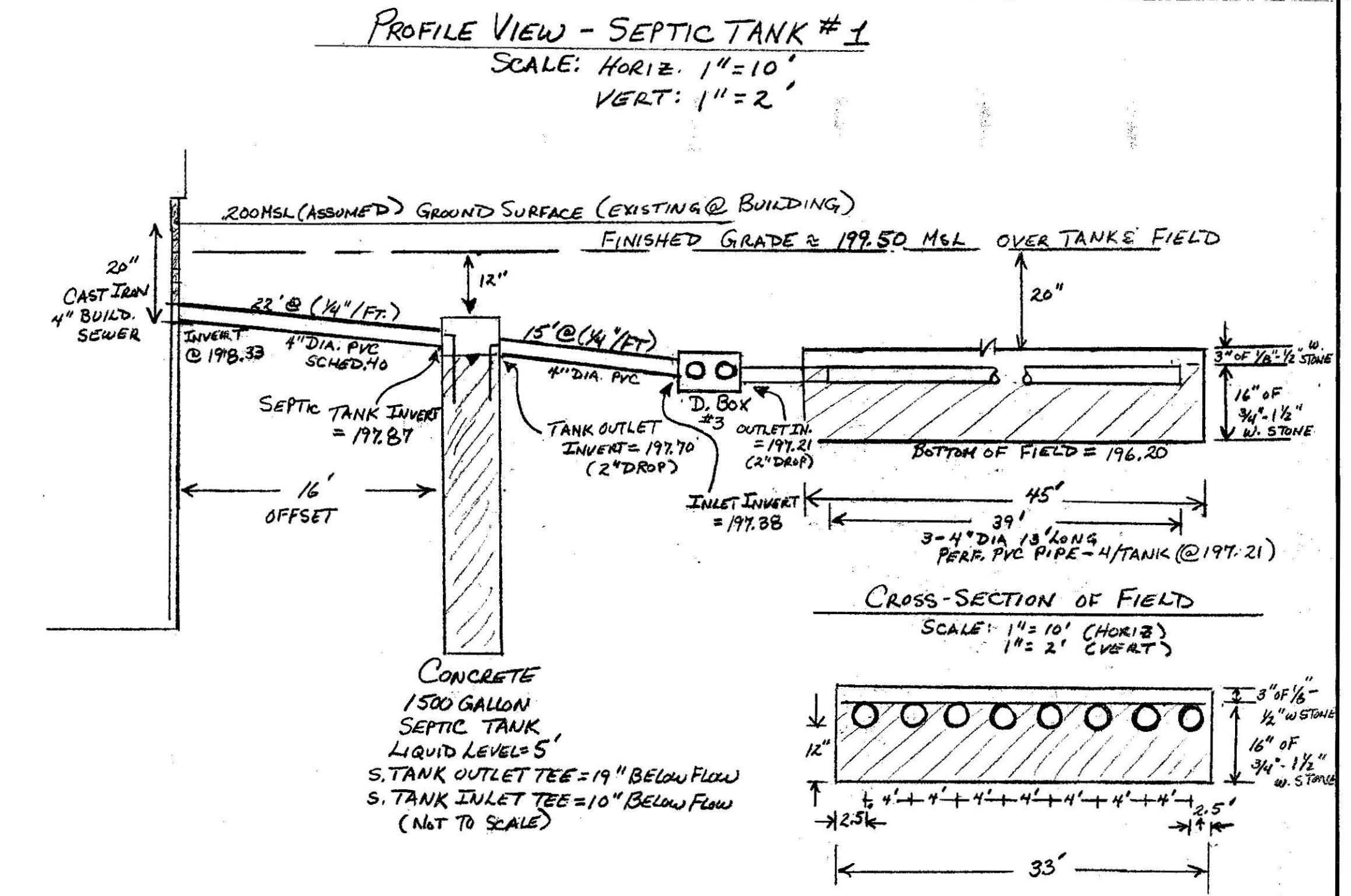




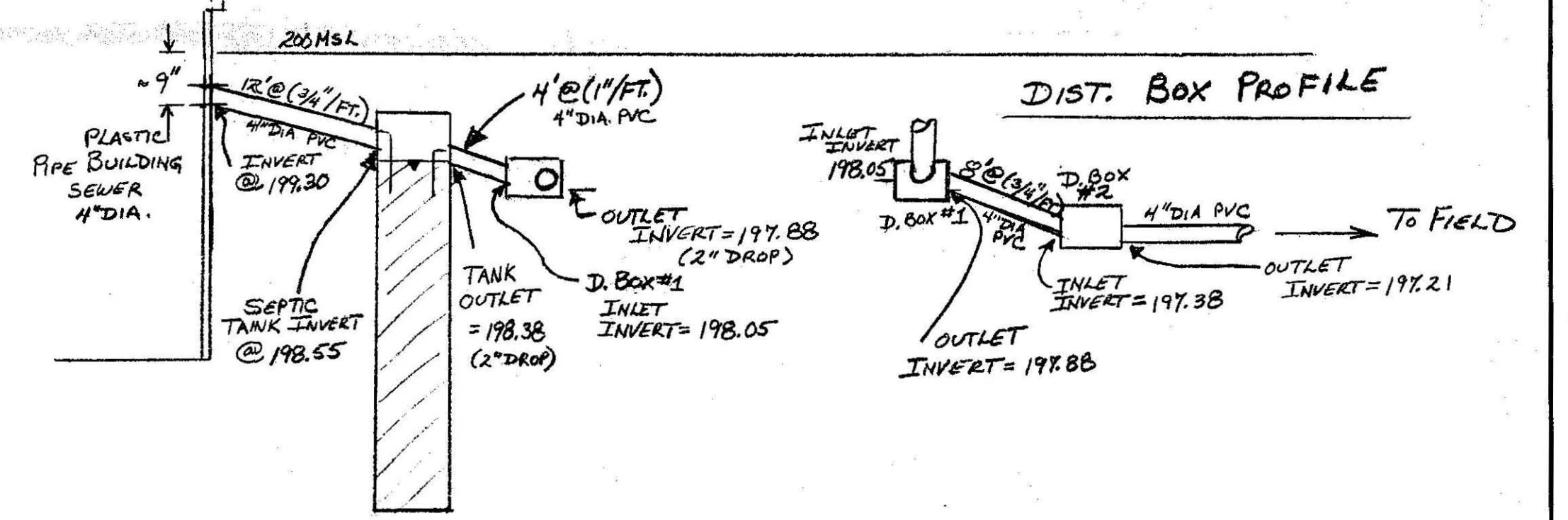




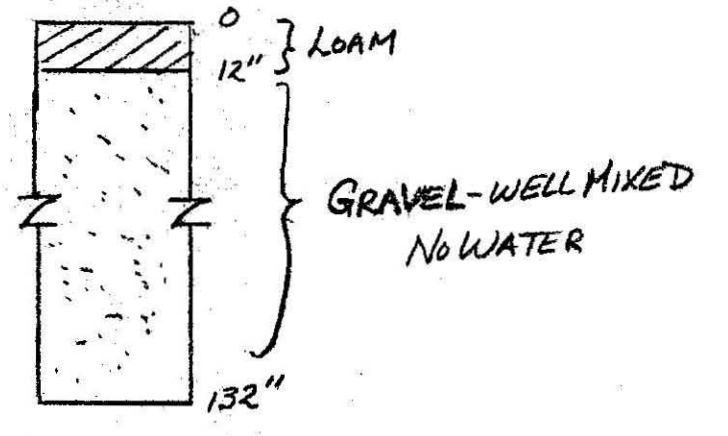
PLAN VIEW  
SCALE 1" = 20'



PROFILE VIEW - SEPTIC TANK #2  
SCALE: HORIZ. 1" = 10', VERT. 1" = 2'



SOIL LOG  
(1/15/93)  
TEST PIT  
DEEP HOLE



PERCOLATION TEST  
PERFORMED BY: ROGER W. BACON - PE #31510  
INSPECTOR: DAVID FAROZINSKI, SANITARIAN  
RATE: 4 MIN/INCH D.O.P. = 40"

DESIGN CALCULATIONS

9 (BEDROOMS) X 110 GALLONS/DAY = 990 GAL/DAY X 1.2 (MULTIPLIER) = 1238 GAL/DAY  
PERCOLATION RATE = 4 MIN/INCH  
LEACHING AREA = 1.2 SQ. FT./GALLON (BOTTOM AREA)  
DISPOSAL FIELD = 1238 X 1.2 = 1485 SQ. FT. = 33' WIDE  
SEPTIC TANK = 2 - 1500 GALLON CONCRETE TANKS 45' LONG  
NOT DESIGNED FOR GARBAGE GRINDERS  
NO WETLANDS/DRAINS WERE OBSERVED WITHIN 100' OF SEWAGE DISPOSAL SYSTEM

CONSTRUCTION DETAILS

- i) NO CHANGES OR VARIATIONS ARE ALLOWED W/O PRIOR APPROVAL OF ENGINEER
- ii) ALL MATERIALS & CONSTRUCTION WILL BE IN COMPLIANCE W/ 310 CMR - DEF. TITLE V SANITARY CODE
- iii) TOP SOIL, TREES, VEGETATION ETC. WILL BE REMOVED FROM ALL AREAS BENEATH THE LEACH BED & FOR A DISTANCE OF 25' IN ALL DIRECTIONS AS DIRECTED BY ENGINEER
- iv) NO WELL-TOWN WATER. CONSTRUCTOR IS RESPONSIBLE FOR DAMAGE.
- v) TWO SEPTIC TANKS - STANDARD 1500 GALLON CONCRETE TANKS - EXISTING TANKS ARE TO BE REMOVED OR ABANDONED IN PLACE, AFTER PUMPING & FILLED W/ SANDS AT THE DISCRETION OF ENGINEER.



Roger W. Bacon  
2/5/93

SEPTIC SYSTEM DESIGN	
POET VALLEY PARTNERS - 159 OLD BELCHERTOWN	
SCALE: AS NOTED	APPROVED BY: Roger W. Bacon
DATE: 1/28/93	DRAWN BY: R.W.B.
BOARD OF HEALTH REVIEW	
DRAWING NUMBER	
1	