

2A-29 Montague Rd. (525)

575 MONTREUIL ROAD

529 Montague Rd.

5.28.08

William J. Sieruta, P.E.
453 Federal Street
Montague, MA. 01351

Board of Health
Town Hall
70 Boltwood Walk
Amherst, MA. 01002

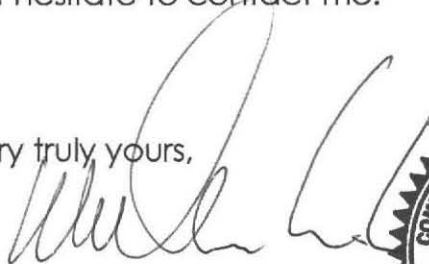
May 23, 2008

Subject: "As Built Inspection"
William Pearson
Lot 2A-29
#529 — Montague Road
Amherst, MA.
Permit 07-10

An "as built" inspection was completed for the subject septic system. This system is in compliance with 310 CMR 15.0 and local board of health regulations.

If you have any questions or need any additional information, please do not hesitate to contact me.

Very truly yours,



William J. Sieruta, P.E.



Encl: Plan
2cc letter and plan: W. Pierson
P.O. Box 9610
North Amherst, MA.

WJS:mbs



No. 07-10

FEE \$300 PERC
\$150 PLAN



COMMONWEALTH OF MASSACHUSETTS

Board of Health, AMHERST, MA.

REC 9/7/07

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to Construct Repair () Upgrade () Abandon () - Complete System Individual Components

Location <u>WILLIAM PEARSON</u>	Owner's Name <u>WILLIAM PEARSON</u>
Map/Parcel# <u>LOT 2A-29</u>	Address <u>PO BOX 9610</u>
Lot# <u>MONTAGUE RD (PTEG3)</u>	Telephone# <u>N. AMHERST MASS</u>
Installer's Name	Designer's Name <u>WILLIAM SIERUTA</u>
Address	Address <u>453 FEDERAL ST</u>
Telephone#	Telephone# <u>MONTAGUE MA</u>

Type of Building RESIDENTIAL HOME Lot Size 40900 sq. ft.
 Dwelling - No. of Bedrooms 4 BEDROOM NO DISPOSAL Garbage grinder NO
 Other - Type of Building SINGLE FAMILY No. of persons 8 Showers 2 Cafeteria NO
 Other Fixtures FULL BMT
 Design Flow (min. required) 110x4 gpd Calculated design flow 440 Design flow provided 452 gpd
 Plan: Date AUG 25 2007 Number of sheets 1 Revision Date -
 Title SEPTIC SYSTEM DESIGN FOR WM. PEARSON MONTAGUE RD
 Description of Soil(s) SEE ATTACHED
 Soil Evaluator Form No. 11 Name of Soil Evaluator WJ SIERUTA PE Date of Evaluation 8/30/06

DESCRIPTION OF REPAIRS OR ALTERATIONS complete septic system for New Residential Home

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed X [Signature] Date 5-19-08

Inspections [Signature] Installer

No. 07-10

FEE \$450

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

The undersigned hereby certify that the Sewage Disposal System; Constructed , Repaired (), Upgraded (), Abandoned ()

by: RH Roberts
at 525 Montague Rd

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. 07-10, dated 09-07-07. Approved Design Flow 440 (gpd)

Installer Richard Roberts [Signature]
Designer: William Sieruta Inspector: Tom Dion/Ellen Bokina Date: 05-19-08

The issuance of this permit shall not be construed as a guarantee that the system will function as designed.



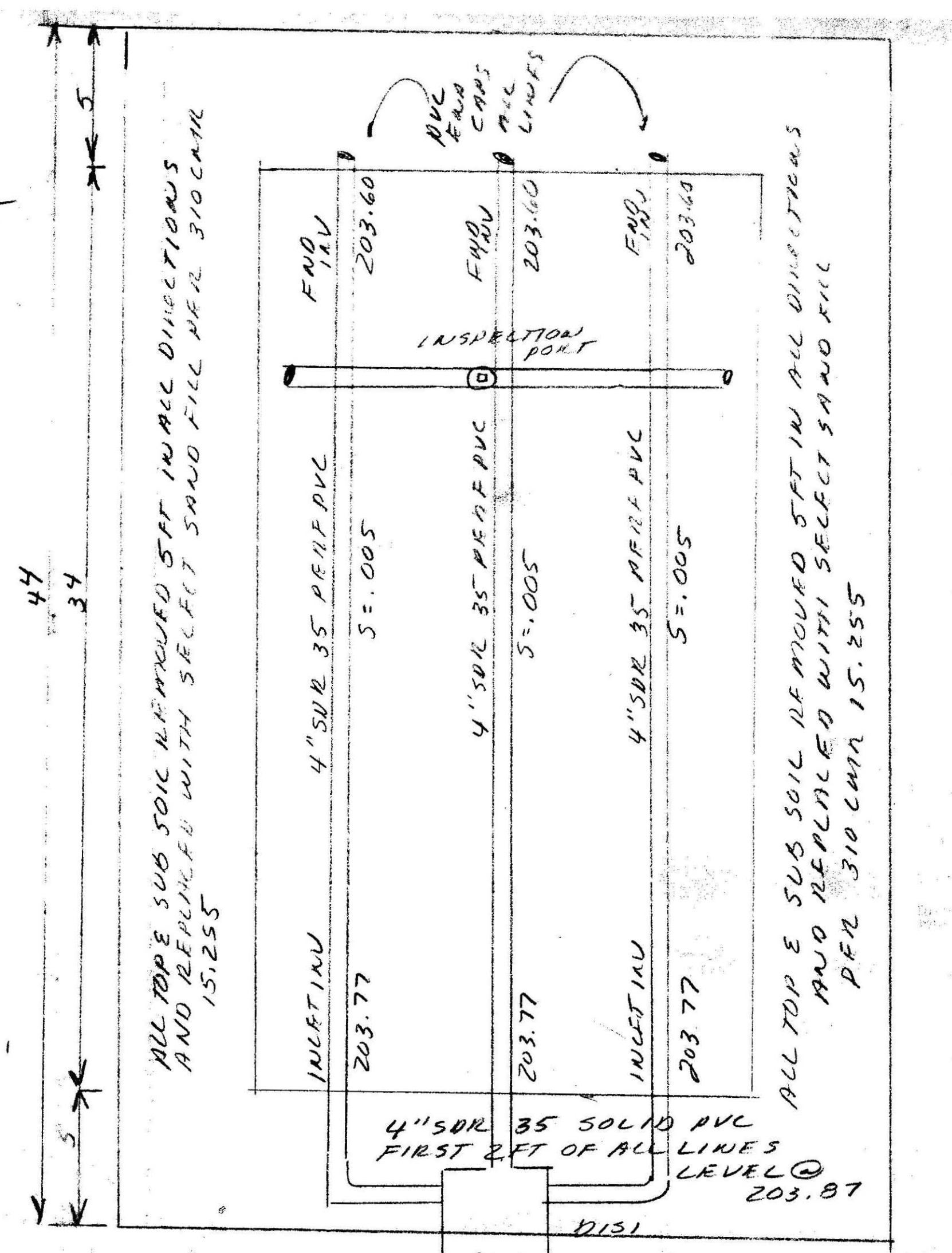
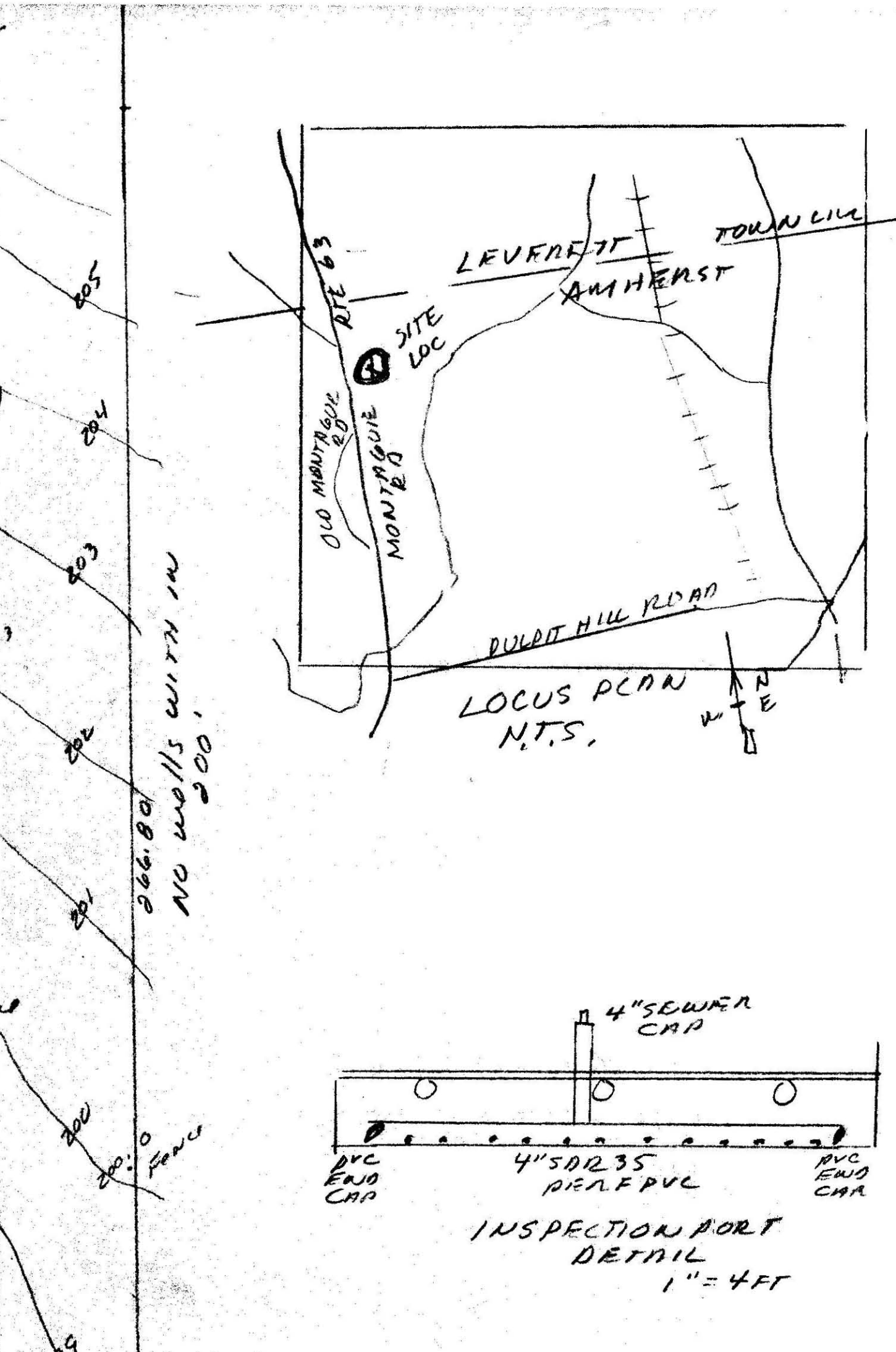
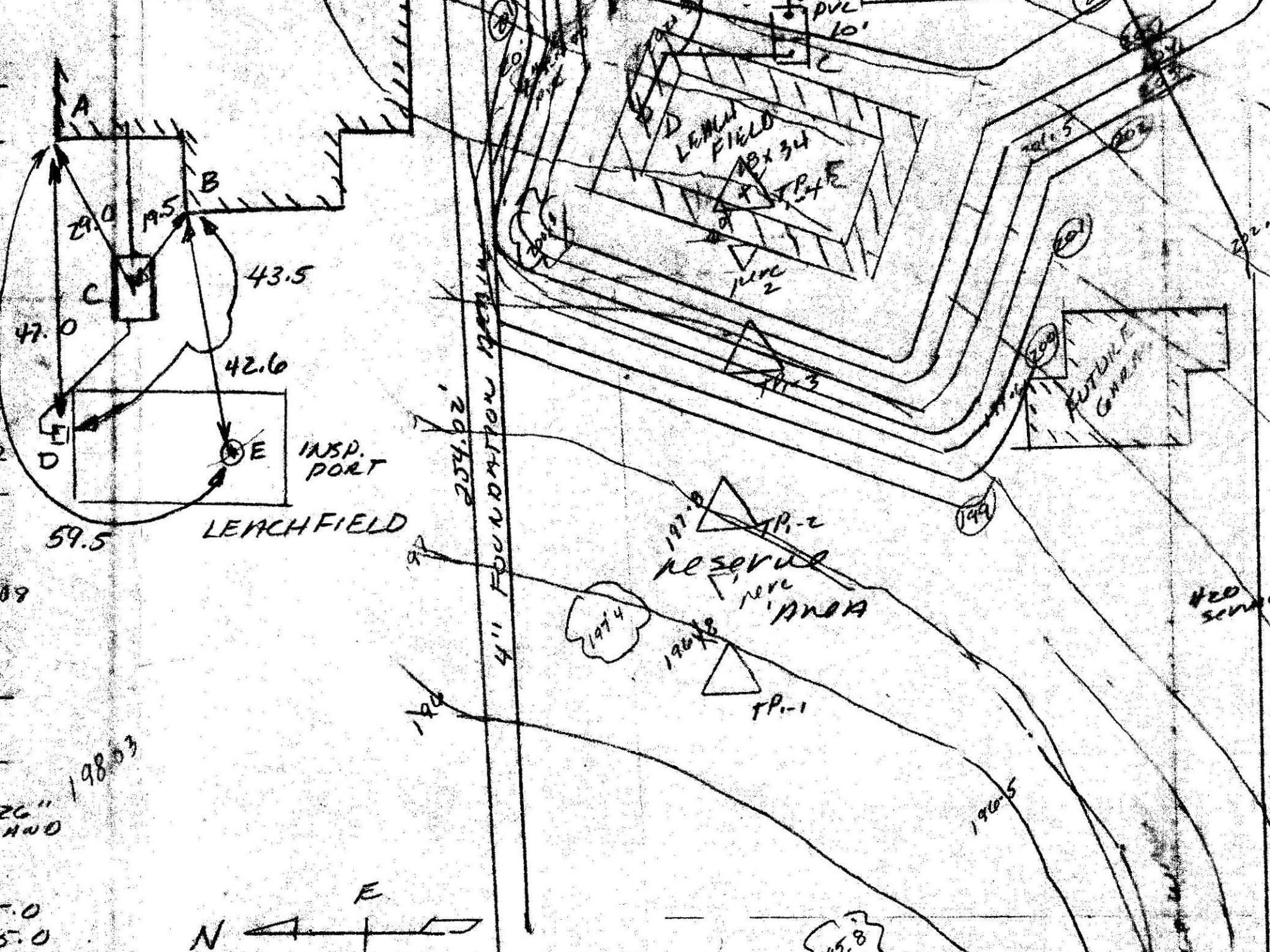
PERCOLATION TEST INFORMATION

TP-1	TP-2
OTS TOPSOIL LOAM 0-10	OTS TOPSOIL LOAM 0-10
Ap 10YR SANDY LOAM 3-2	Ap 10YR SANDY LOAM 3-2
Bw 10YR SANDY LOAM 6-1 10-22	Bw 10YR SANDY LOAM 6-1 10-21
C, 10YR SAND MEDIUM TO COARSE GRAIN 5-6 22-109	C, 10YR SAND MEDIUM TO COARSE GRAIN 5-6 21-116
Rock R ₁	Rock R ₁

AS BUILT TIES TO SEPTIC SYSTEM - SEPTIC TANK
 AC 29.0'
 BC 19.5'
 DIST BOX AD 47.0'
 BD 43.5'
 INSPECTION PORT AE 59.5'
 BE 42.6'

TP-3	TP-4
OTS TOPSOIL LOAM 0-10	OTS TOPSOIL LOAM 0-10
Ap 10YR SANDY LOAM 3-2	Ap 10YR SANDY LOAM 3-2
Bw 10YR SANDY LOAM 6-1 10-21	Bw 10YR SANDY LOAM 6-1 10-22
C, 10YR SAND MEDIUM TO COARSE GRAIN 5-6 21-112	C, 10YR SAND MEDIUM TO COARSE GRAIN 5-6 22-119
Rock R ₁	Rock R ₁

TRYPHOLE 5" HWT 24" MOTTLING
 DATE: 8-30-06
 ENGR: W.J. SIERUTA P.E.
 WITNESSES: DAVID ZARIZINSKI BOH
 DEPTH 49"
 ACTUAL RATE 5.0
 DESIGN RATE 5.0



DESIGN INFORMATION
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.0 TITLES AND ALL LOCAL BOARD OF HEALTH REGULATIONS
 FINISH GRADING TO BE IN ACCORDANCE WITH PLANNING ALL DISTRIBUTED AREAS TO BE COMBED AND SEEDED

DESIGN CRITERIA
 USE: SINGLE FAMILY RESIDENTIAL HOME
 FULL BMT NO DISPOSAL UNIT

DESIGN FLOW: 310 CMR 15.203
 REQD 110 GAL/BEDROOM 4 BEDROOM = 440 GALS/DA
 NO DISPOSAL UNIT

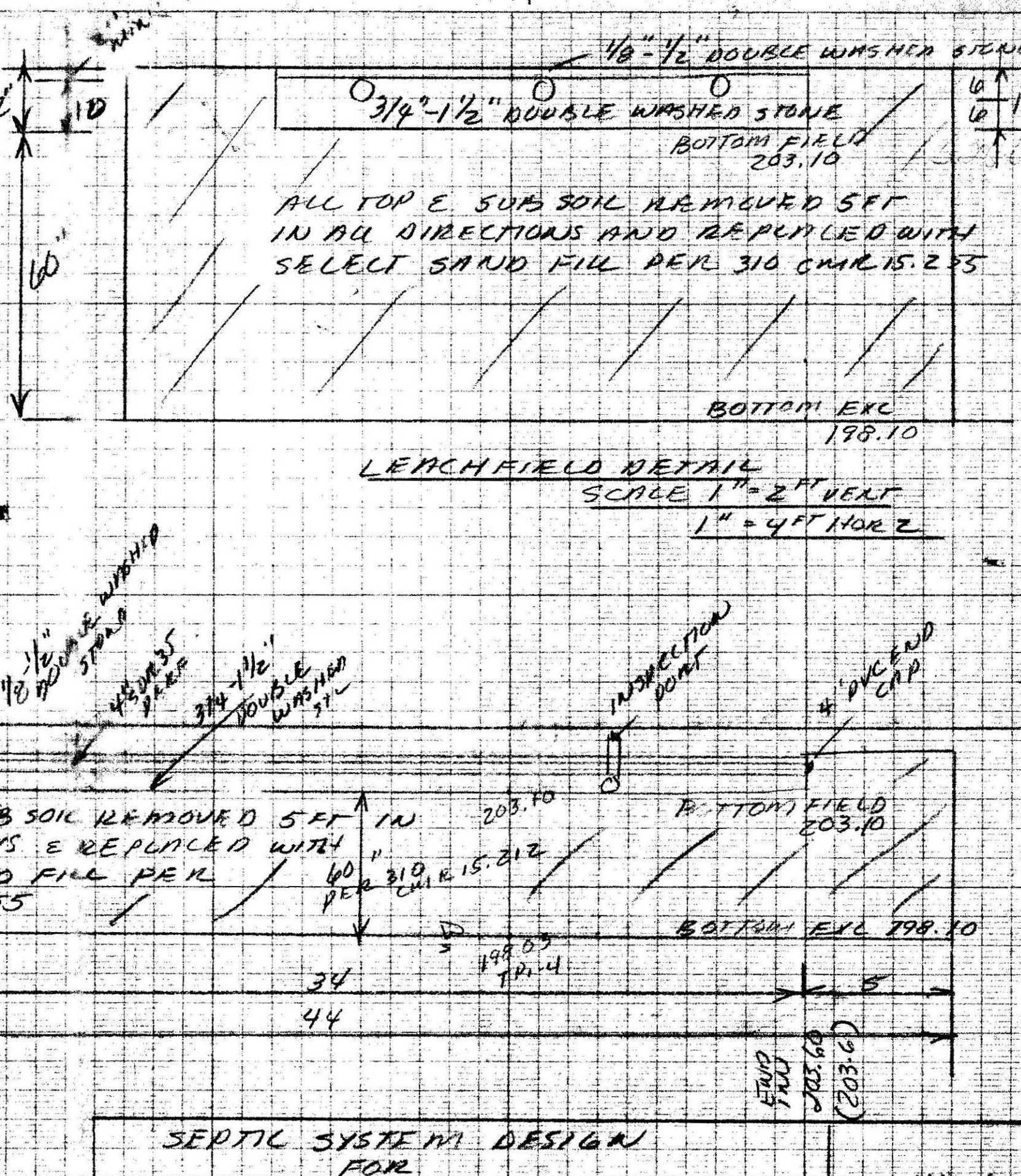
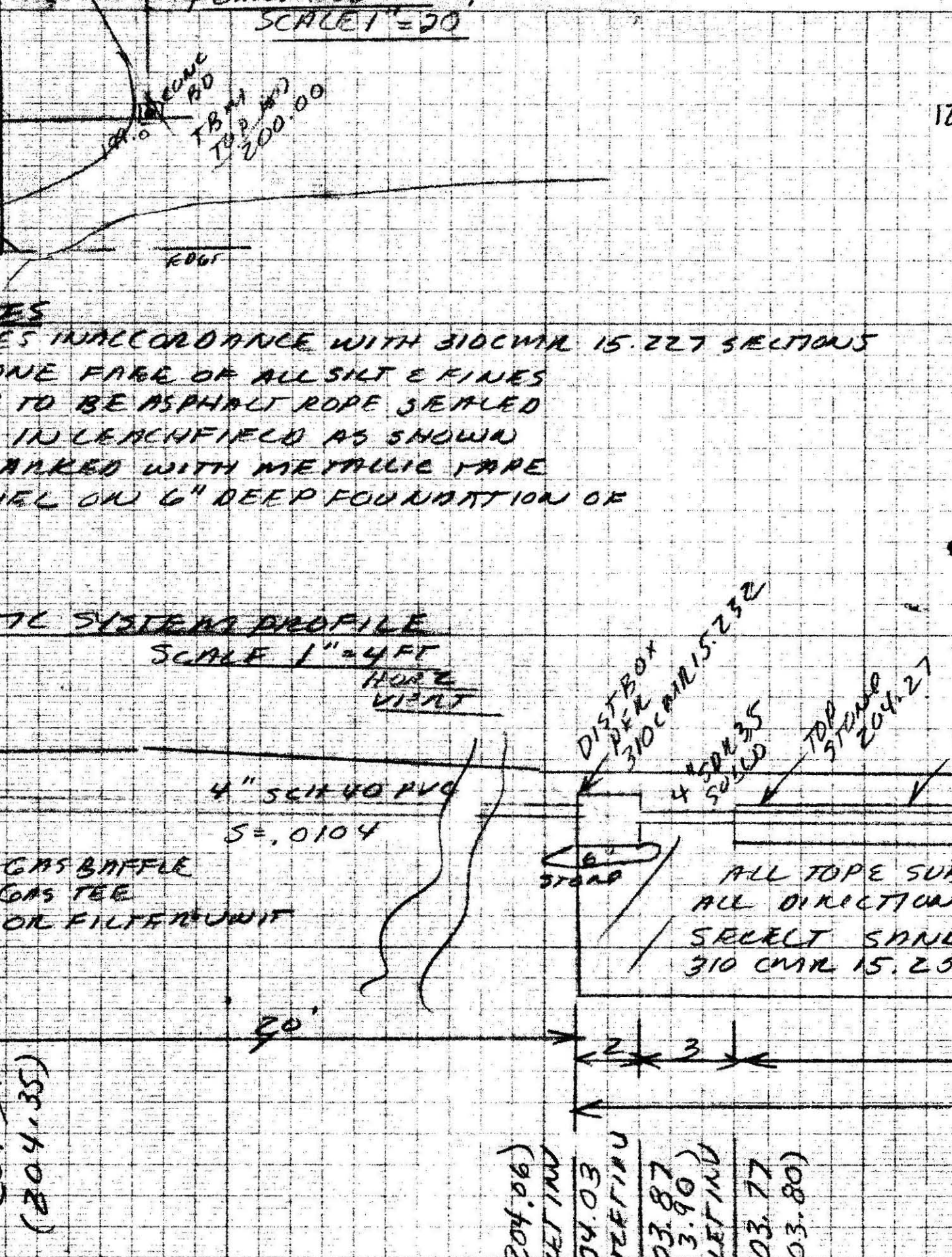
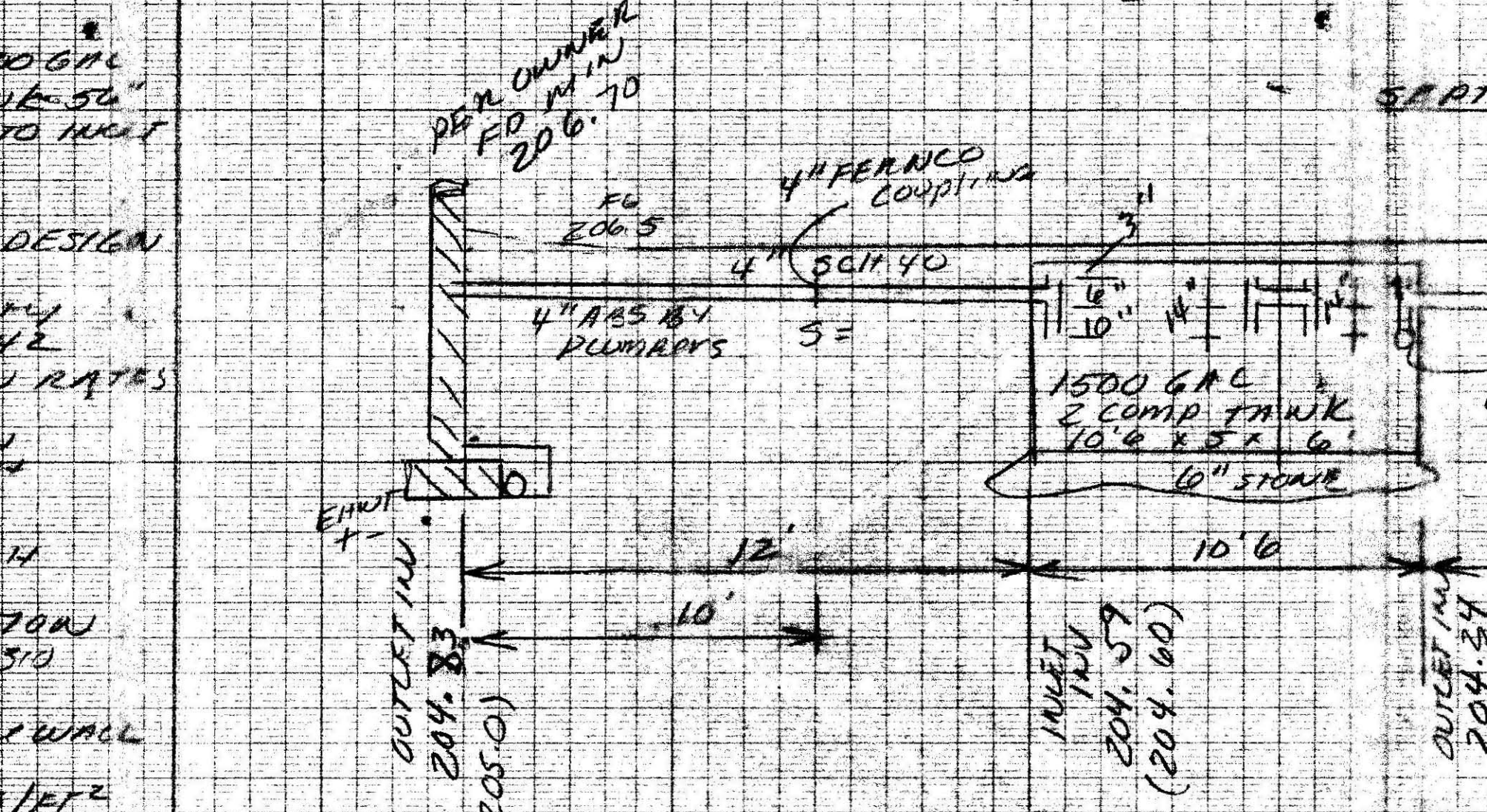
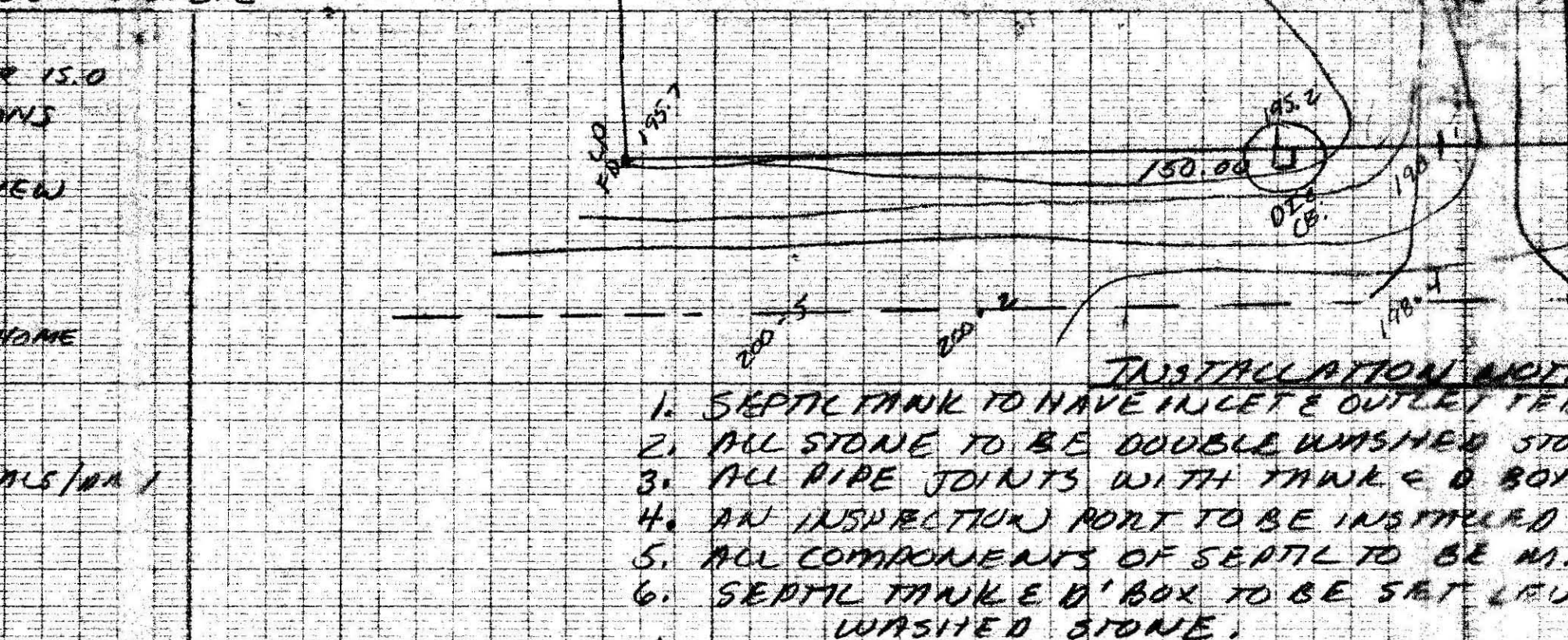
SEPTIC TANK: 310 CMR 15.223
 REQD 440 GALS/DA x 200' = 880 GALS
 MINIMUM TANK SIZE PERMITTED 1500 GALS
 USE A TWO-COMPARTMENT PRECAST 1500 GAL TANK 48" FROM LINE TYPICAL TANK 56" FROM BASE TO HOOT INK.

LEACHING SYSTEM: 310 CMR 15.252
 DUE TO SOIL CONDITIONS A LEACHFIELD DESIGN IS TO BE USED

EFFECTIVE DEPTH 6" MIN
 EFFECTIVE WIDTH 18'
 EFFECTIVE LENGTH 34'

BOTTOM AREA
 18' x 34' = 612 FT²
 TOTAL PERMEABILITY
 612 FT² x .74 = 452 GALS/DA

TBM SET TOP OF CONC BOARD BOTTOM ESTRI WALL
 SW CORNER OF PROPERTY 200.00
 BOTTOM ESTRI WALL AREA .74 GALS/FT²



PER 310 CMR 15.212
 60" SEPARATION REQD PER 310 CMR 15.212

INSTALLATION NOTES

- SEPTIC TANK TO HAVE INLET & OUTLET TIES IN ACCORDANCE WITH 310 CMR 15.227 SECTIONS
- ALL STONE TO BE DOUBLE WASHED STONE FREE OF ALL SILT & FINES
- ALL PIPE JOINTS WITH TANK & BOX TO BE ASBESTOS ROPE SEALED
- AN INSPECTION PORT TO BE INSTALLED IN LEACHFIELD AS SHOWN
- ALL COMPONENTS OF SEPTIC TO BE MARKED WITH METALLIC TARE
- SEPTIC TANK & DIST. BOX TO BE SET LEVEL ON 6" DEEP FOUNDATION OF WASHED STONE.

SELECT SAND FILL REQD
 $1.2 \times 44 \times 28' \times 6' = 328 \text{ cu yds}$
 COMMON FILL FOR SEPTIC ONLY
 $1.2 \times 30 \times 150 \times 5/2 = 500 \text{ cu yds}$

SEPTIC SYSTEM DESIGN FOR
 WILLIAM PEARSON
 LOT 2A-29 MONTAGUE ROAD (RTE 63) AMHERST MASS
 ENGR: W.J. SIERUTA PE
 DATE: 8/25/07

