

79 Hulst Rd.



LOCATION OF PROP.: *Paul & Ann Page
 79 Hulst Road
 Amherst, MA*

LOT NO.:

DATE PERFORMED: *March 21, 1988*

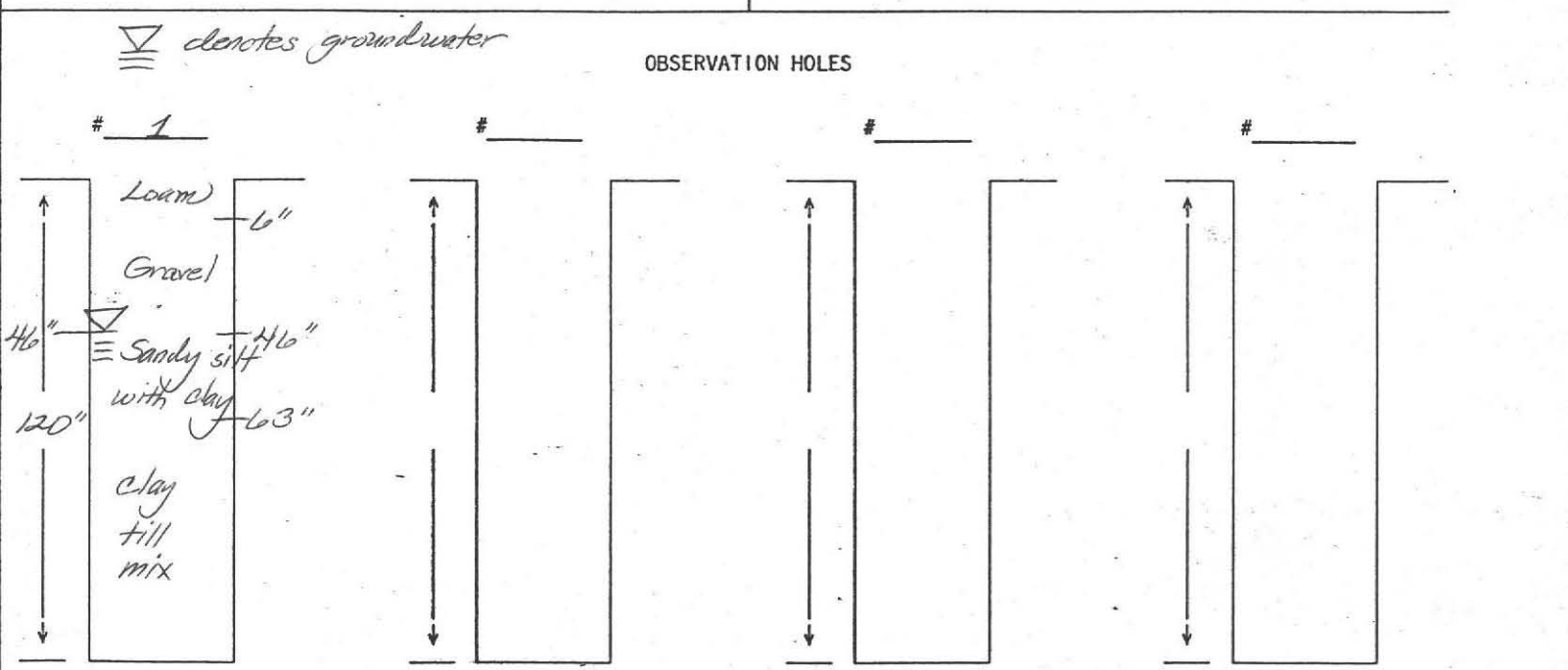
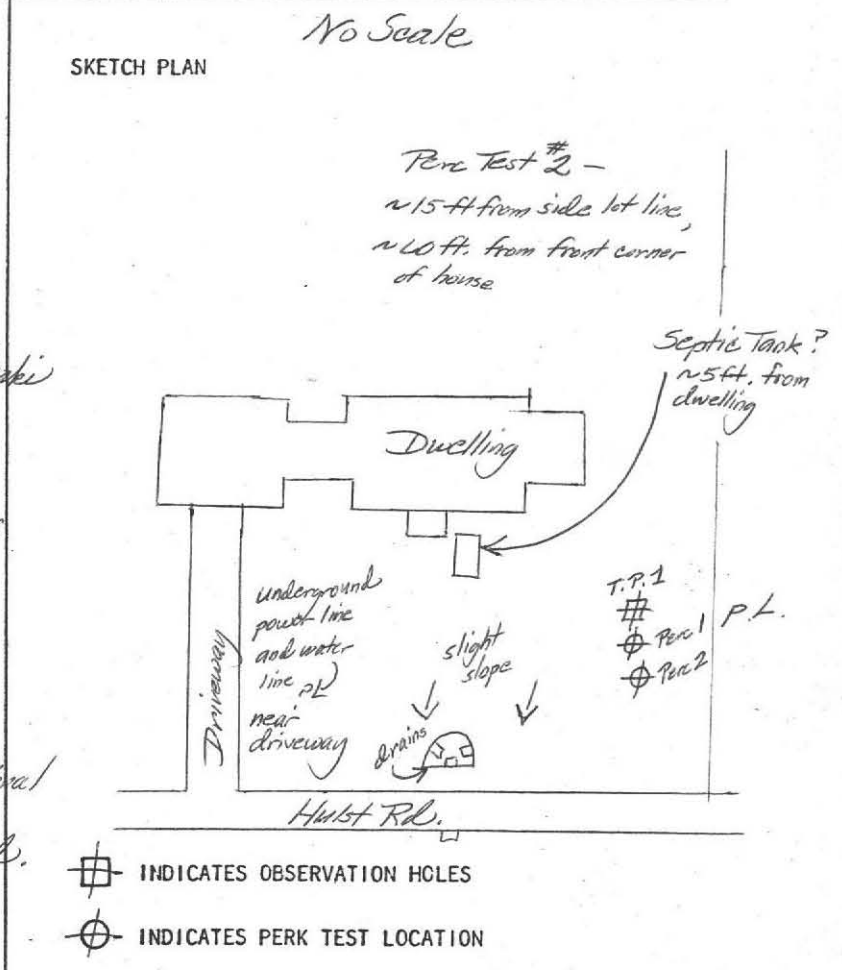
PERFORMED BY: *Wm. Sieruta P.E.*

WITNESSED BY: *for Amherst Health Dept.: Dennis Piskie*

PERK TEST RESULTS: (tabulation on back)

1. Test discontinued. Could not derive accurate rate due to groundwater interference (depth of perc test hole ~5 ft.).
2. 4 minutes/inch in gravel fill layer. (see back page)

COMMENTS: *Existing sewage disposal system has failed and requires replacement. See back page for additional comments.
 Area for location of a replacement system is limited. Soil conditions are poor and there is a high groundwater problem. Hold for design proposal.*



Limited area available for leaching system. Testing conducted at most suitable site for relocation of leaching system.

PERCOLATION TEST TABULATION:

1

2

| | | | | |
|--------------------|--------------------------------------|---|--|--|
| START PRESOAK | 10 ⁰⁰ am) | 10 ³¹ am) | | |
| END PRESOAK | 10 ¹⁶ | 10 ⁴⁶ | | |
| TIME @ 12" | 10 ¹⁴ | 10 ⁴⁶ | | |
| TIME @ 9" | discontinued - | 10 ⁵⁷ | | |
| TIME @ 6" | seepage noted at 4 1/2" where gravel | 11 ⁰⁷ | | |
| ELAPSED TIME 9"-6" | fill changes to silt-clay layer. | | | |
| RATE (MIN/IN) | | 3 1/2 min/inch Use rate of 4 min./inch | | |

BREAKDOWN BY INCH: (optional)

| | | | | |
|-----|--|--|--|--|
| 12" | | | | |
| 11" | | | | |
| 10" | | | | |
| 9" | | | | |
| 8" | | | | |
| 7" | | | | |
| 6" | | | | |

Wells or Septic Systems Nearby: _____

House Style: _____ Desired Orientation: _____

House Dimensions: _____ # Bedrooms: _____

Excavation By: _____

Copies Sent: Board of Health _____ Client _____

From observation of test pit and conversation with current property owner

253-3624

Letter attached

No. 88-21

JUN 14 1988

FEE 90.00

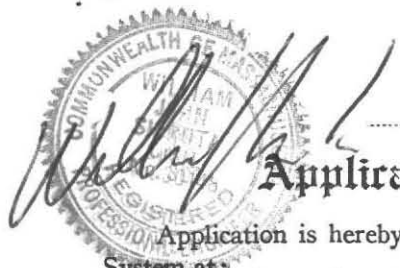
THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST MASS

Application for Disposal Works Construction Permit

CHECK OR FILL IN WHERE APPLICABLE



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

#79 HULST ROAD SOUTH AMHERST, MASS
PAUL & ANN PAGE 79 HULST RD AMHERST
William Sieruta
Address
Installer
Address

Type of Building 4 BEDROOMS
Expansion Attic () Garbage Grinder ()
Other - Type of Building RESIDENTIAL No. of persons 8 Showers (2) - Cafeteria ()
Other fixtures 2 BATHROOMS, FULL BMT
Design Flow 110 gallons per person per day. Total daily flow 440 x 1.25 gallons 550
Septic Tank - Liquid capacity 1500 gallons Length 12'6" Width 5'0" Diameter Depth 3'0"
Disposal Trench - No. FIELD Width 24" Total Length 30' Total leaching area 720 sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.
Other Distribution box (1) Dosing tank ()
Percolation Test Results Performed by William Sieruta Date 3/21/88
Test Pit No. 1 4.0 minutes per inch Depth of Test Pit 40" Depth to ground water 40"
Test Pit No. 2 minutes per inch Depth of Test Pit Depth to ground water

Description of Soil TP1-1 0-6" LOAMS 6"-40" GRAVEL
40"-63 SILTY SAND 63-120 CLAY
Nature of Repairs or Alterations - Answer when applicable HOC @ 40"

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 Paul Page Date 6/14/88
Application Approved By For Amherst Health Dept: D. Pinski Date
Application Disapproved for the following reasons: Variance needed to Amherst Health Dept regulations to allow for construction of system 4'4" above groundwater elevation. Date

Permit No. Issued Date
This is an emergency situation (system is failing). Construction should begin as soon as possible.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () by Installer at has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code application for Disposal Works Construction Permit No. dated.

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

12 1988
Did not see a Variance re-
quest in both
minutes.
(BOP)

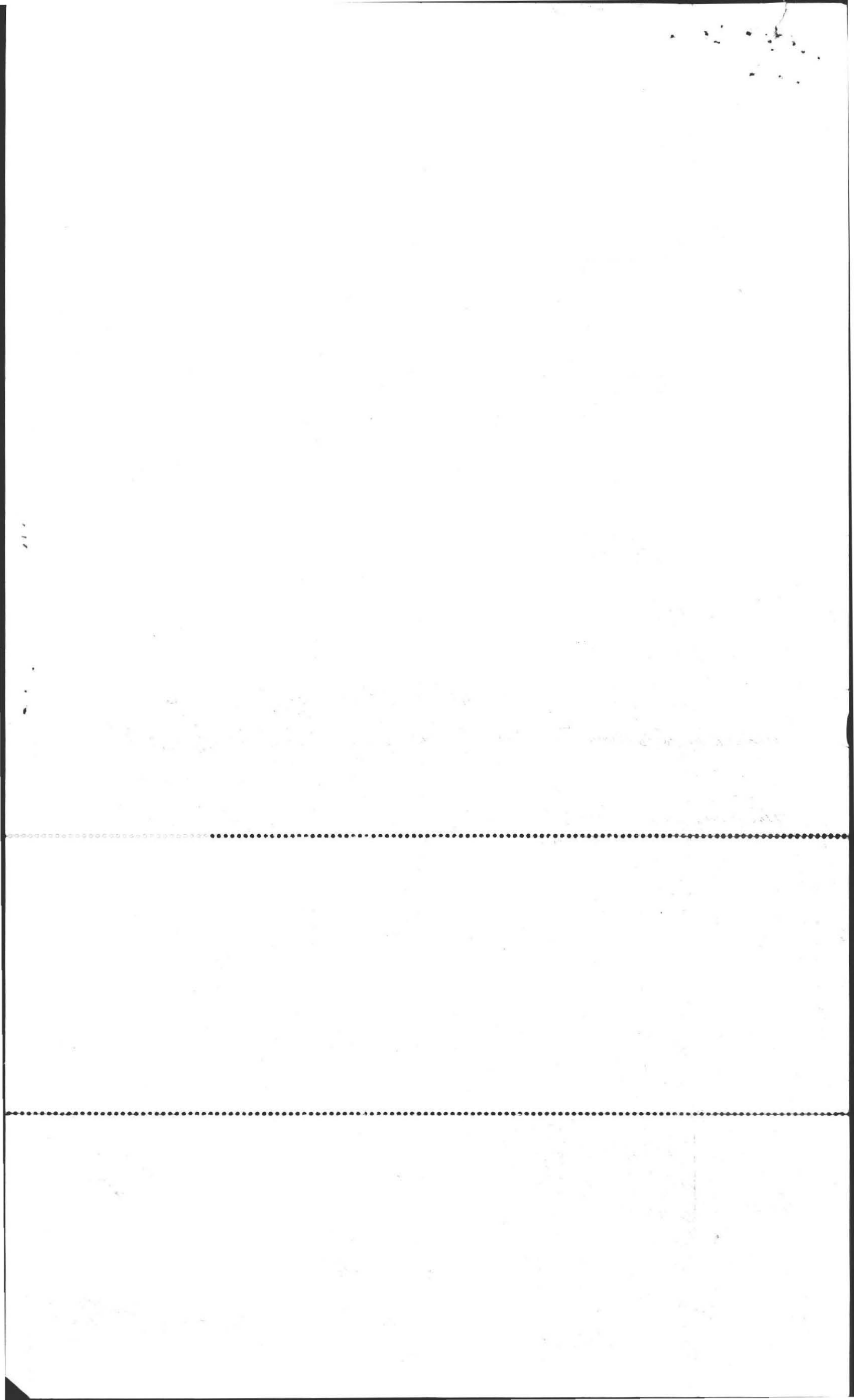
THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

Disposal Works Construction Permit

Permission is hereby granted to Construct () or Repair (X) an Individual Sewage Disposal System at No. Paul & Ann Page 79 Hulst Rd Street as shown on the application for Disposal Works Construction Permit No. Dated For Amherst Health Dept: D. Pinski Board of Health DATE 6/28/88



No. 88-21

JUN 14 1988

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 (X) an Individual Sewage Disposal System at:

#79 HULST ROAD SOUTH AMHERST MASS
PAUL & ANNA PAGE 79 HULST RD AMHERST
William Sieuta
Address: 1.96 Acres

Type of Building: 4 BEDROOMS
Expansion Attic () Garbage Grinder ()
No. of Bedrooms: 4
No. of persons: 3
Showers (2) - Cafeteria ()

Design Flow: 110 gallons per person per day. Total daily flow: 495 x 1.25 = 550
Septic Tank - Liquid capacity: 1500 gallons Length: 12'0" Width: 5'0" Diameter: 5'0" Depth: 5'0"
Disposal Trench - No. FIELD Width: 24' Total Length: 30' Total leaching area: 720 sq. ft.
Seepage Pit No. Diameter: Depth below inlet: Total leaching area: sq. ft.

Description of Soil: TPI-1 0-6" LOMMOTS 6"-40" GRAVEL
40"-63 SILTY SAND 63-120 CLAY
Nature of Repairs or Alterations - Answer when applicable: HOC @ 40"

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: Paul & Anna Page Date: 6/14/88

Application Approved By: [Signature] Date: []
Application Disapproved for the following reasons: Variance needed to Amherst Health Dept regulations to allow for construction of system 4' above groundwater elevation. Date: []

Permit No. Issued Date
This is an emergency situation (system is failing). Construction should begin as soon as possible

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () or Repaired () by [] Installer

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. [] 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

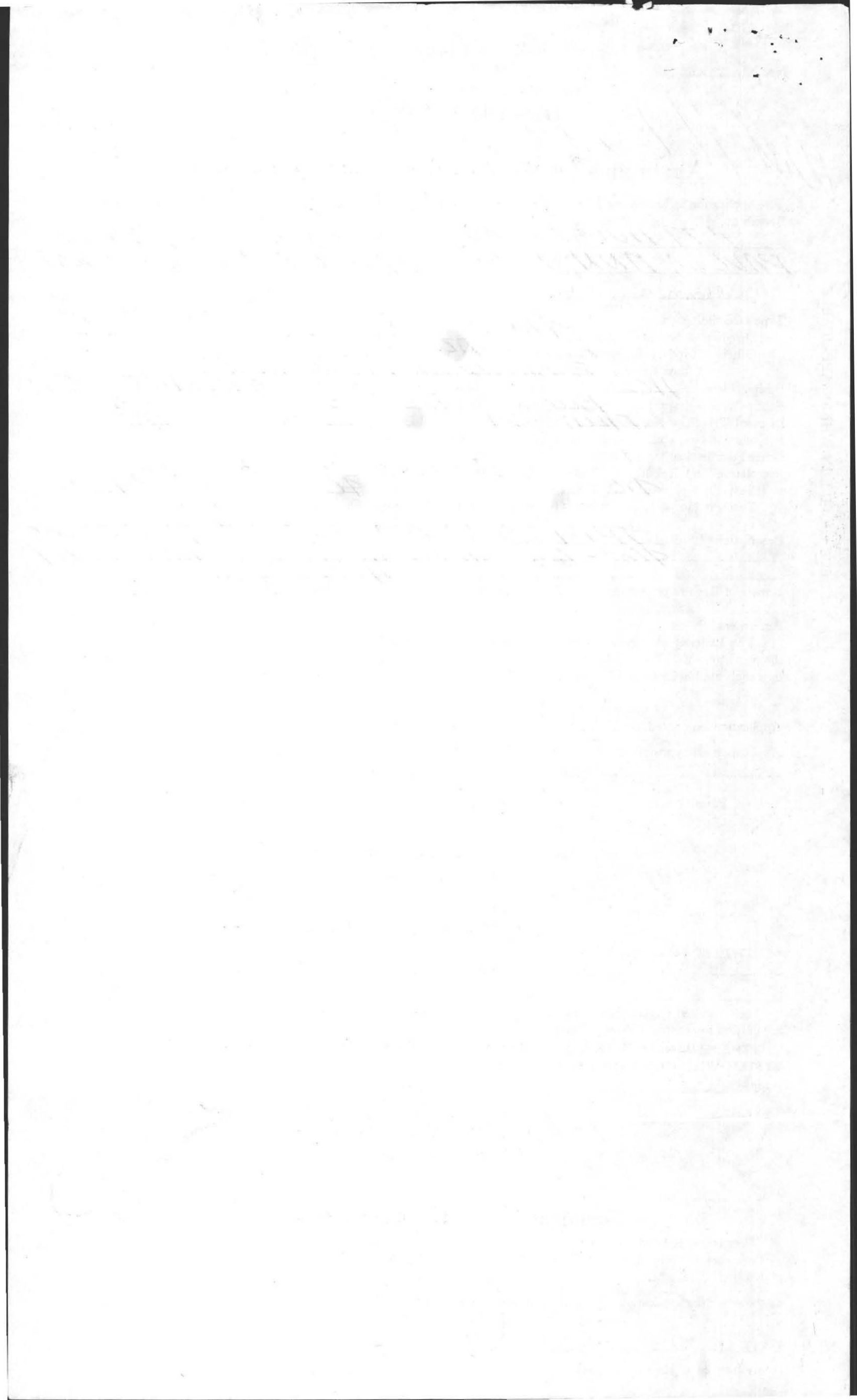
FEE \$90.00

Permission is hereby granted to Construct () or Repair (X) an Individual Sewage Disposal System at No. [] Street []

as shown on the application for Disposal Works Construction Permit No. [] Dated []

DATE [] [Signature] Board of Health

CHECK OR FILL IN WHERE APPLICABLE



PERCOLATION TEST DATA

Test No. _____
 Reading _____ Time _____
 Saturation (15min) 10:00 10:15
10:31-10:46
10" 10:46
7" 10:57
4" 11:07

 Perc. Rate 4.0 Min/inch
 Ground Elev. 96.25 FT
 Depth of Hole 40"

Test No (If required) _____
 Reading _____ Time _____
 Saturation(15min) _____

 Perc. Rate _____ Min/inch
 Ground Elev. _____
 Depth of Hole _____

DEEP TEST PIT/S

Test Pit - TP-1
 Depth Soil Description
0-6 OTS LOAM
6-46 GRAVEL
46-63 SANDY SILT WITH
63-120 CLAY TIL. & CLAY

Test Pit - *
 Depth Soil Description

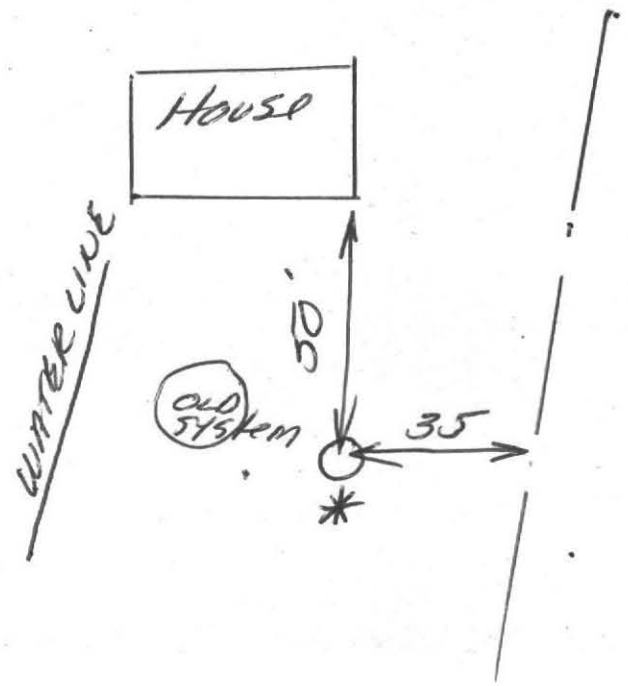
Groundwater Depth 46" Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elevation 96.25
 S.C.S. Soil Designation _____ Seasonal High Water Table? _____
 Bench Mark: Elev. _____ Description _____

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elevation _____
 S.C.S. Soil Designation _____ Seasonal High Water Table? _____
 Bench Mark: Elev. _____ Description _____

ANN PAGE
 COMMENTS: 79 HUTST ROAD
 So. Amherst, MASS

Existing Home
 Failed system

ENGR W. SJERUTA
 WITNESS D. PINSKI
 EXC. R. SJERUTA





William J. Sieruta
46 Upland Road
Holyoke, MA. 01040

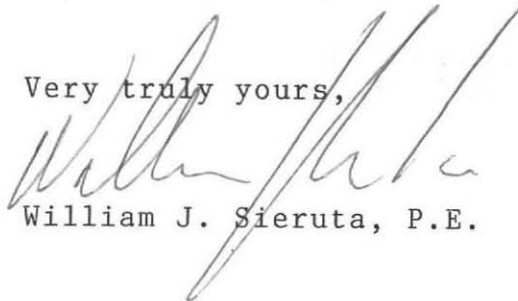
September 15, 1988
Amherst Board of Health
Denis Pinski
Boltwood Walk
Amherst, MA. 01002

The septic system designed for Paul and Ann Page of 79 Hulst Road, Amherst, MA. is the best option available. With the use of fill the proposed system (date 5/5/88) meets or exceeds Title 5, 310 CMR 15 requirements.

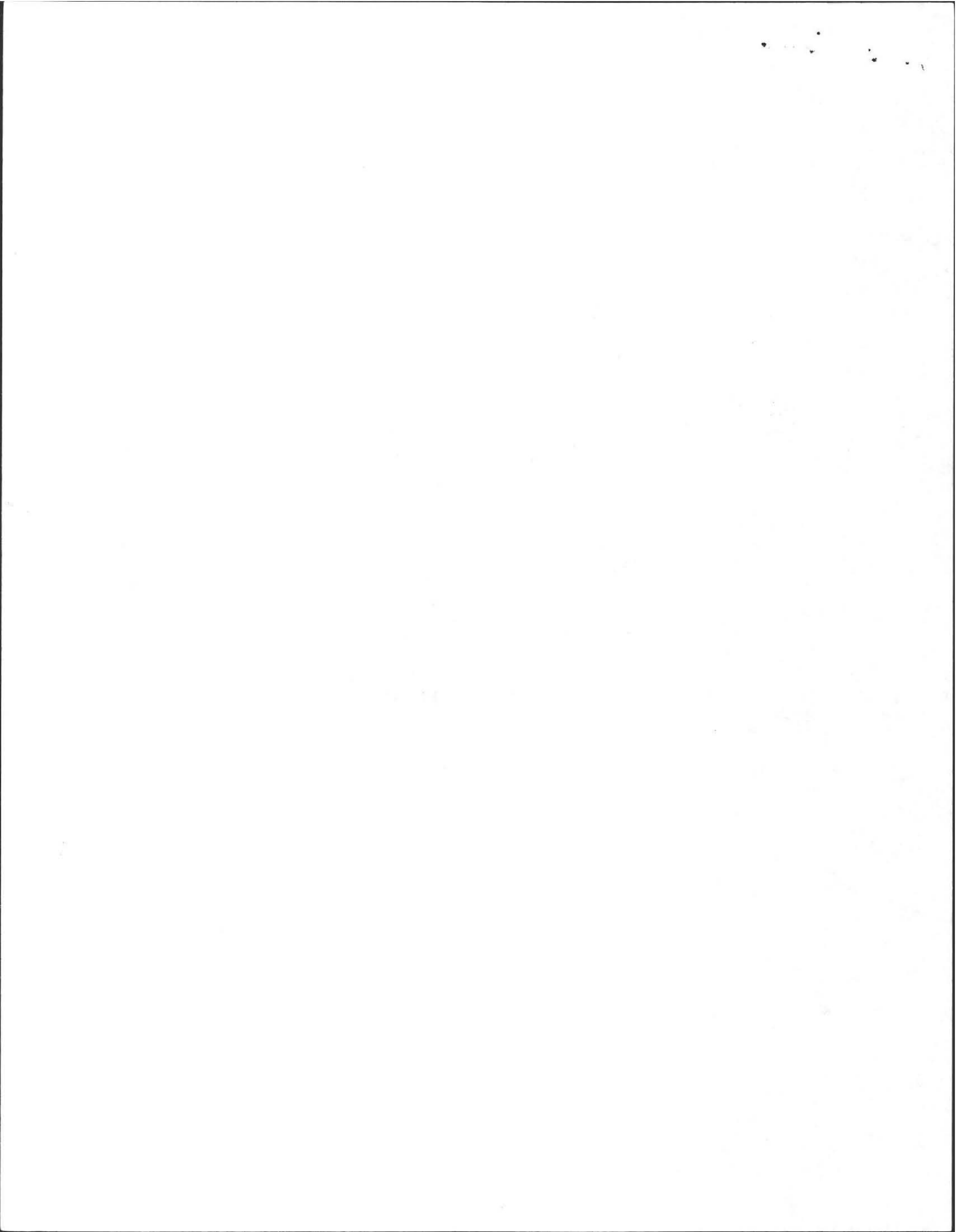
The existing system has failed and needs to be replaced. The new system is located over the best possible soil and site conditions.

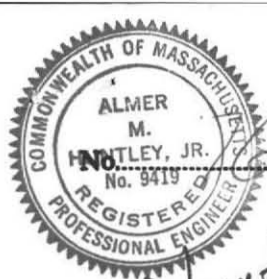
Your approval to proceed with the installation would be greatly appreciated.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'William J. Sieruta', written in dark ink. The signature is fluid and somewhat stylized, with a long, sweeping underline that extends to the right.

William J. Sieruta, P.E.





Almer M. Huntley

CTR

#15
FEE

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amherst

Application for Disposal Works Construction Permit

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

79 Hulst Road Lot 242
Location - Address or Lot No.
Edward Markert 1200 Bay Road, Amherst
Owner Address

Type of Building Dwelling — No. of Bedrooms Expansion Attic () Garbage Grinder ()
Other — Type of Building No. of persons Showers () — Cafeteria ()
Other fixtures

Design Flow gallons per person per day. Total daily flow gallons.
Septic Tank — Liquid capacity 1500 gallons Length 10'6" Width 5'8" Diameter Depth 5'4"
Disposal Trench — No. 1 Width 28 Total Length 35 Total leaching area 98.0 sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box () Dosing tank ()
Percolation Test Results Performed by R.P.B. Huntley Assoc. Date 4/23/76
Test Pit No. 1 2.9 minutes per inch Depth of Test Pit 2'2" Depth to ground water none
Test Pit No. 2 5'3" minutes per inch Depth of Test Pit 5'3" Depth to ground water 4'0"

Description of Soil sand and gravel (fill 2'2"), very fine sand silt and blue clay 3'1"

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 Article XI 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 Edward R. Markert Oct 13, 1976
Application Approved By [Signature] Date 10-13-76
Application Disapproved for the following reasons:
Date

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 (X) or Repaired ()
by Ed Markert Installer
at Lot 242 - Hulst Rd - [Signature]
has been installed in accordance with the provisions of Article XI of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. 76-18 dated Oct 13, 1976

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.
DATE Oct 13, 1976 Inspector [Signature]

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

No. 76-18 TOWN OF Amherst FEE #15

Disposal Works Construction Permit

Permission is hereby granted Ed Markert
to Construct (X) or Repair () an Individual Sewage Disposal System
at No. 76-18 Lot 242 Hulst Rd (Ed Markert)
as shown on the application for Disposal Works Construction Permit No. 76-18 Dated 10-13-76
DATE 10-13-76 Board of Health

CHECK OR FILL IN WHERE APPLICABLE



RECEIVED BY THE AMERICAN MEDICAL ASSOCIATION

[Faint, illegible text covering the majority of the page, likely bleed-through from the reverse side.]

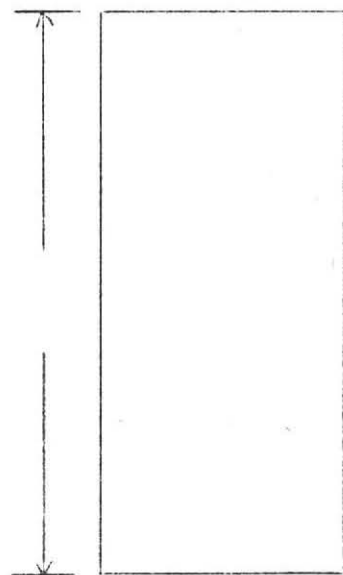
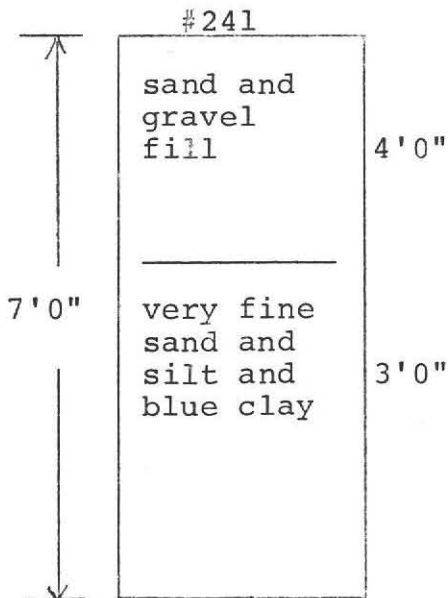
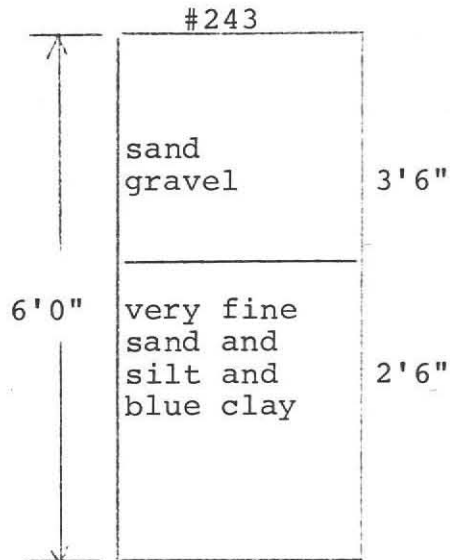
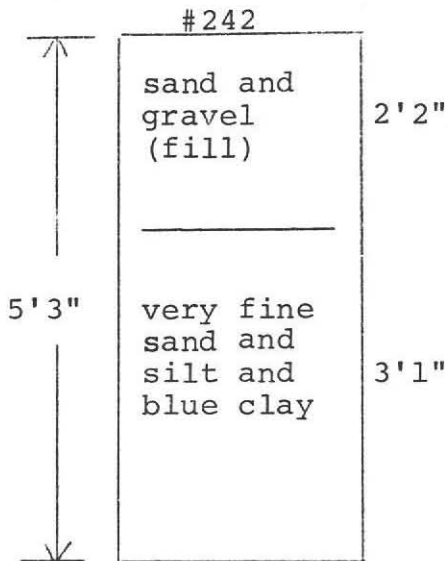
REQUESTED BY: Edward Markert

LOCATION: Elf Hill

Amherst, MA

MAILING ADDRESS: _____

DATE: 4/23/76 OBSERVER: RPB

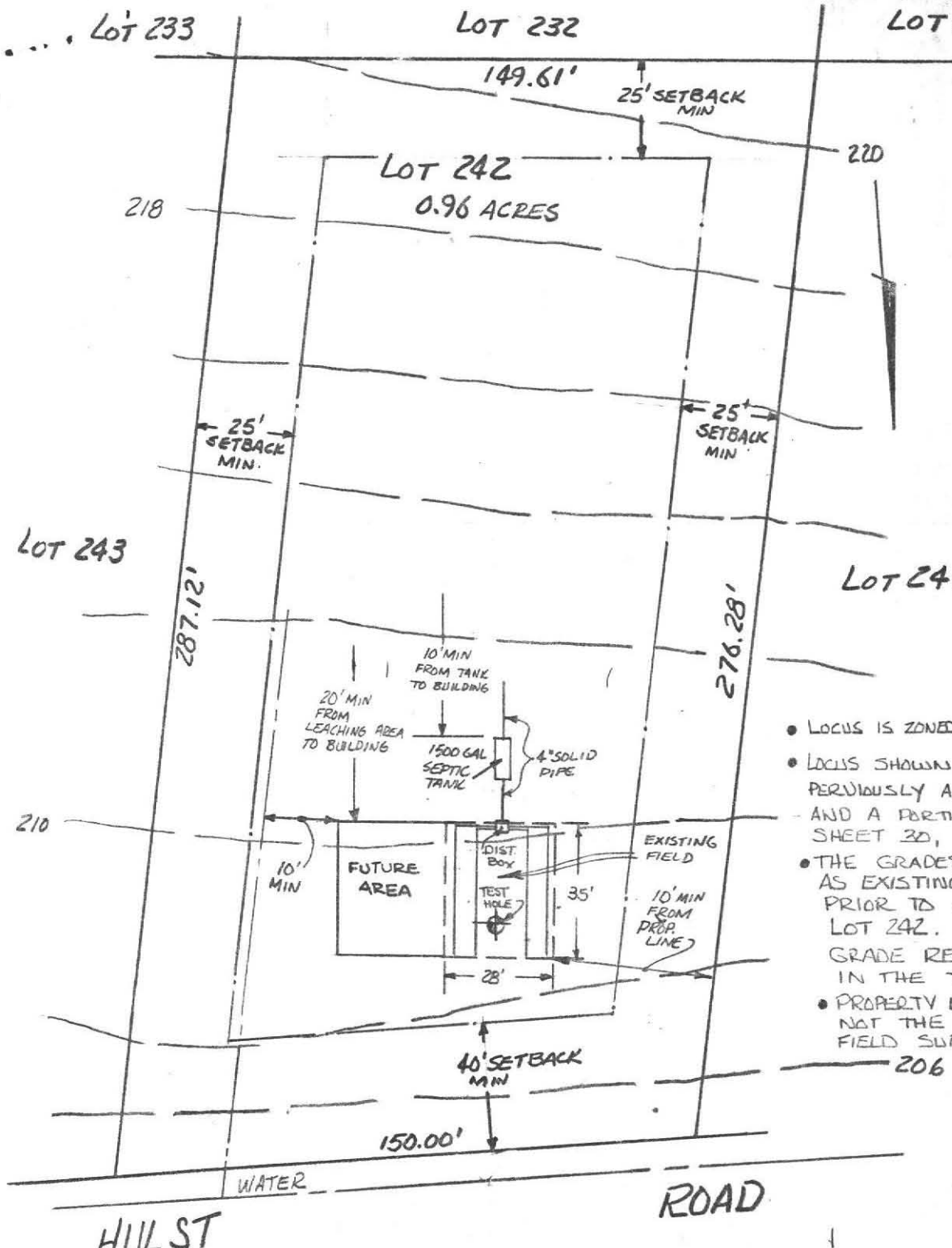


* Overnight Test

ALMER HUNTLEY, JR., & ASSOCIATES, INC.

24 3. 11.

24 3. 11.



- LOCUS IS ZONED (R-0 OUTLYING RESIDENCE)
- LOCUS SHOWN IS LOT 242 OF A PREVIOUSLY APPROVED SUBDIVISION AND A PORTION OF TAX MAP SHEET 20, PARCEL 13
- THE GRADES SHOWN HEREON ARE AS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION ON LOT 242. THERE IS NO GRADE REGULATION OR BY-LAW IN THE TOWN OF AMHERST
- PROPERTY LINES SHOWN ARE NOT THE RESULT OF A FIELD SURVEY BY THIS OFFICE

PLOT PLAN PREPARED FOR
 EDWARD R. MARKERT
 AMHERST MASSACHUSETTS
 UNDER SECTION 113.6 OF THE MASS. BUILDING CODE, AS AMENDED

ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
 125 PLEASANT STREET
 NORTHAMPTON, MASS.

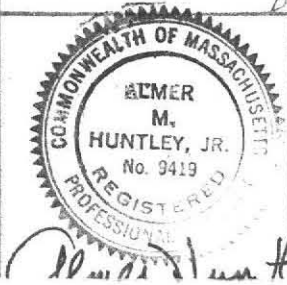
DRAWN: CL LAFLEUR

DATE: 6/1/76

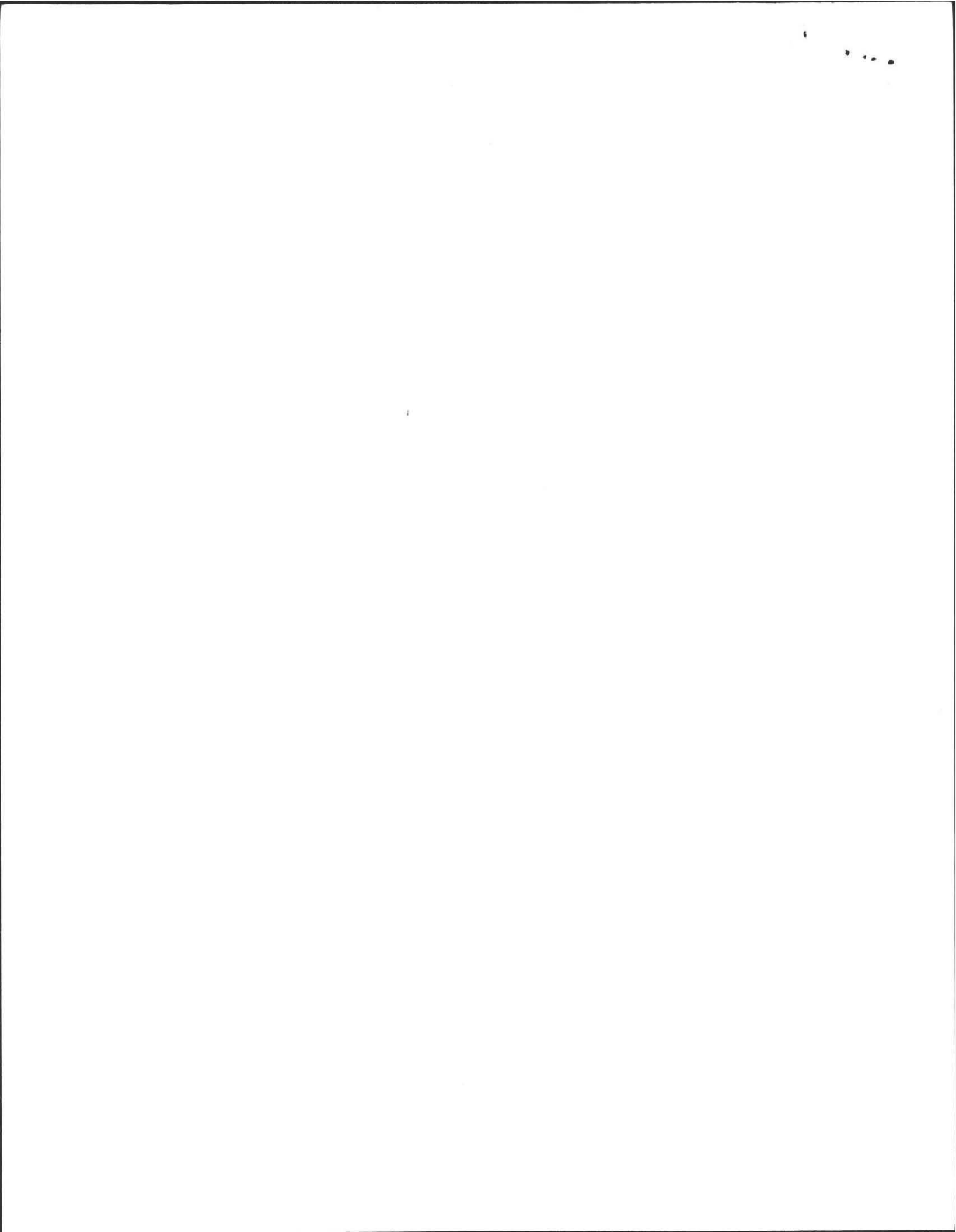
SCALE: 1" = 40'

NOTE:

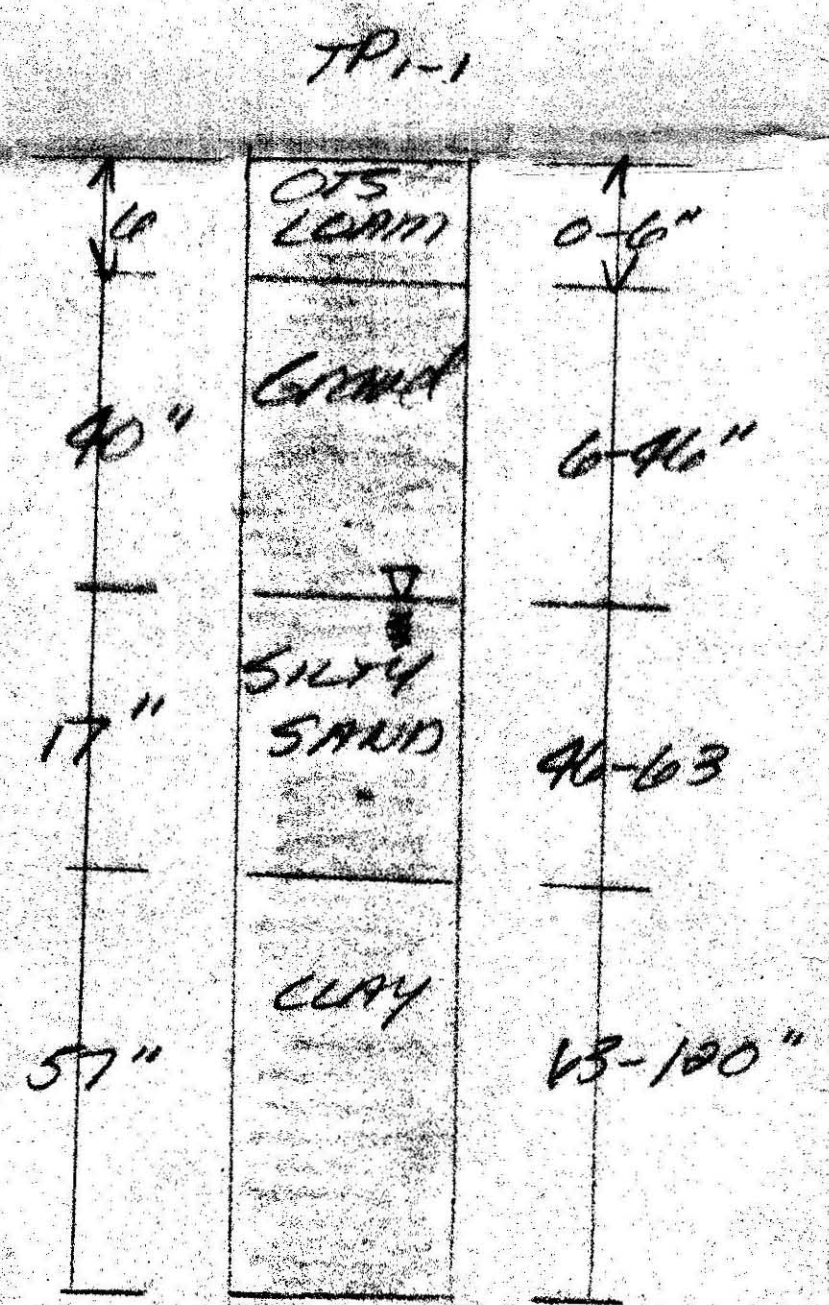
ALL WORK
 TO BE DONE IN
 ACCORDANCE WITH
 STATE SANITARY
 CODE ART. XI



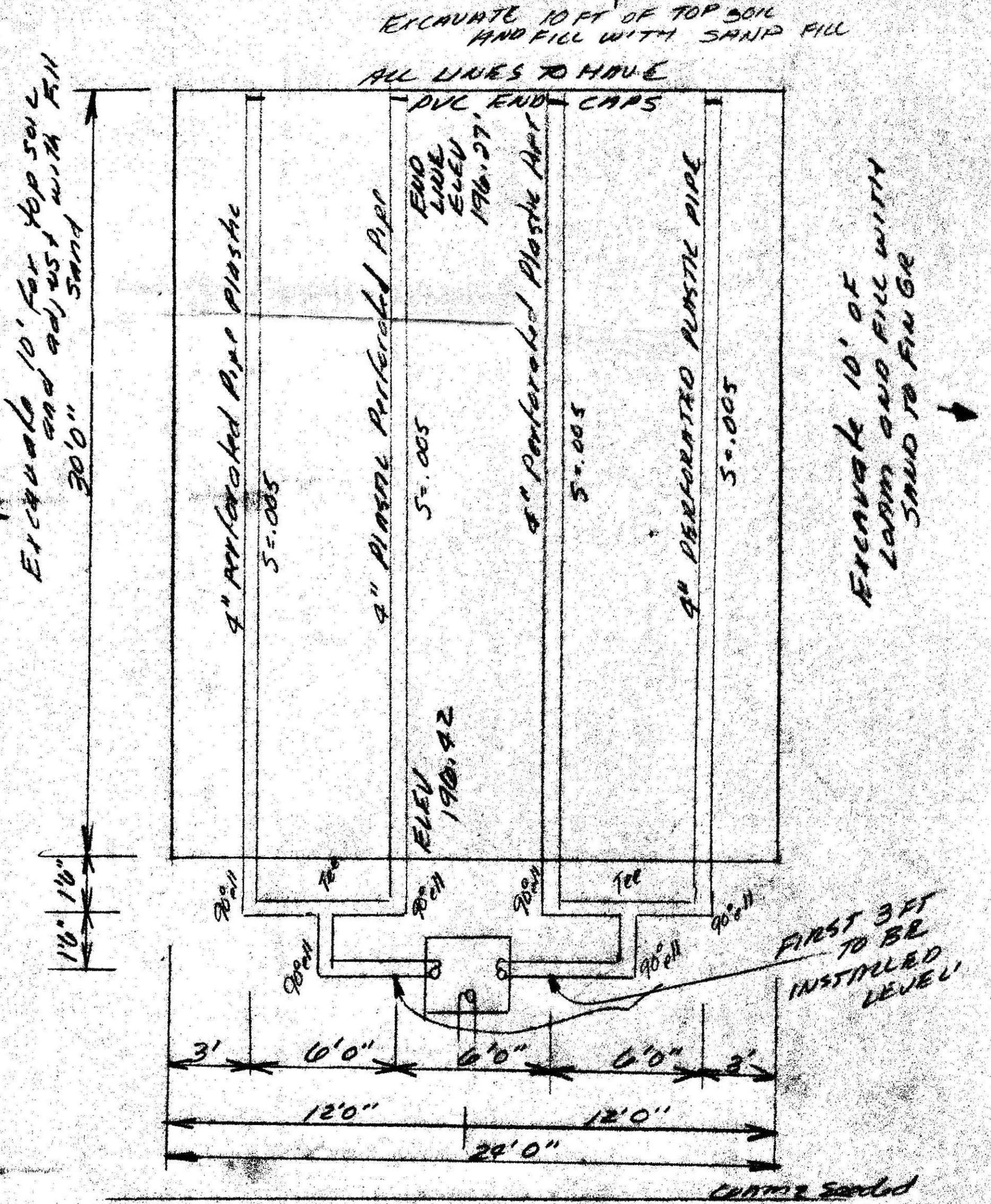
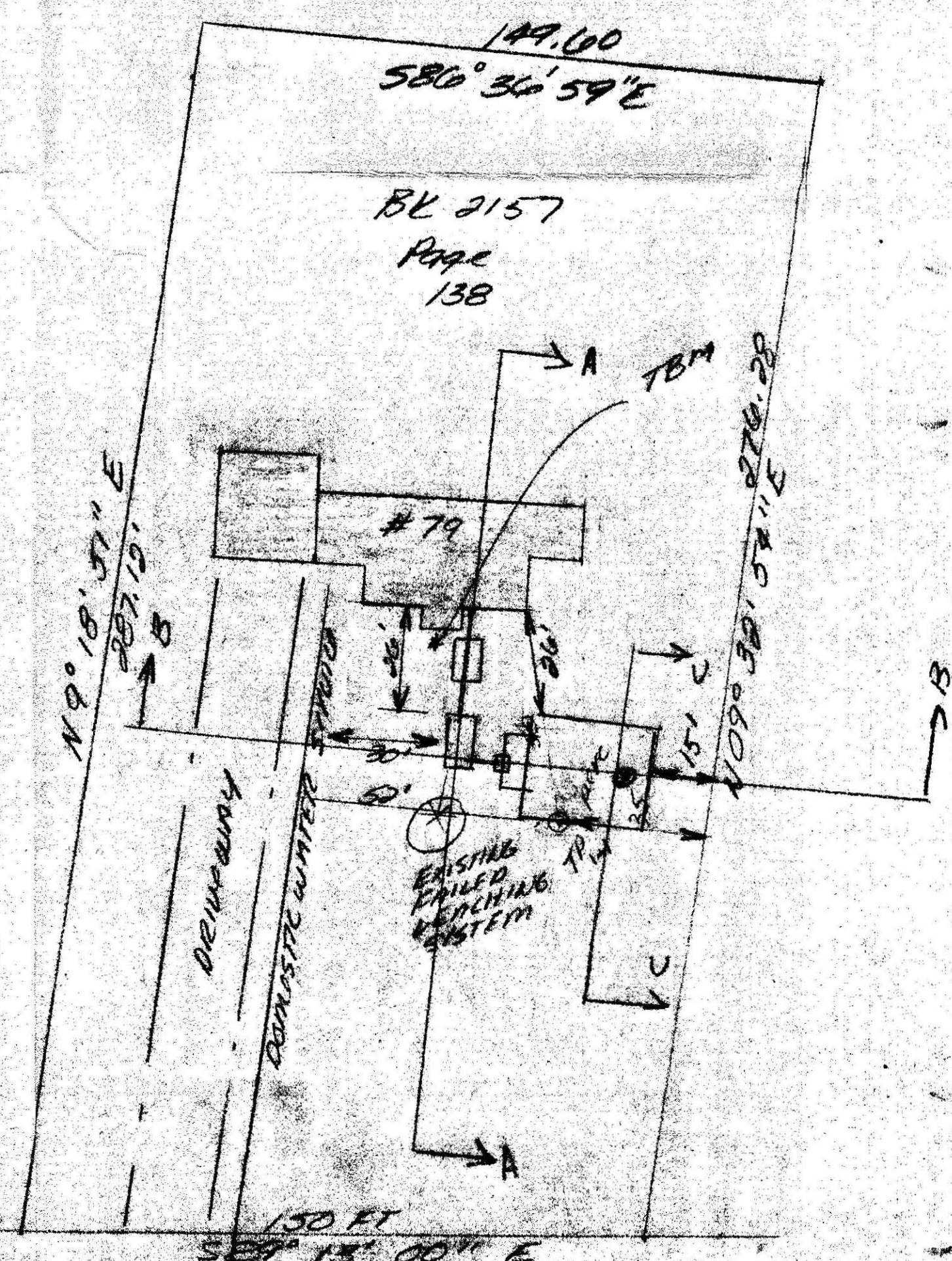
Almer M. Huntley, Jr.



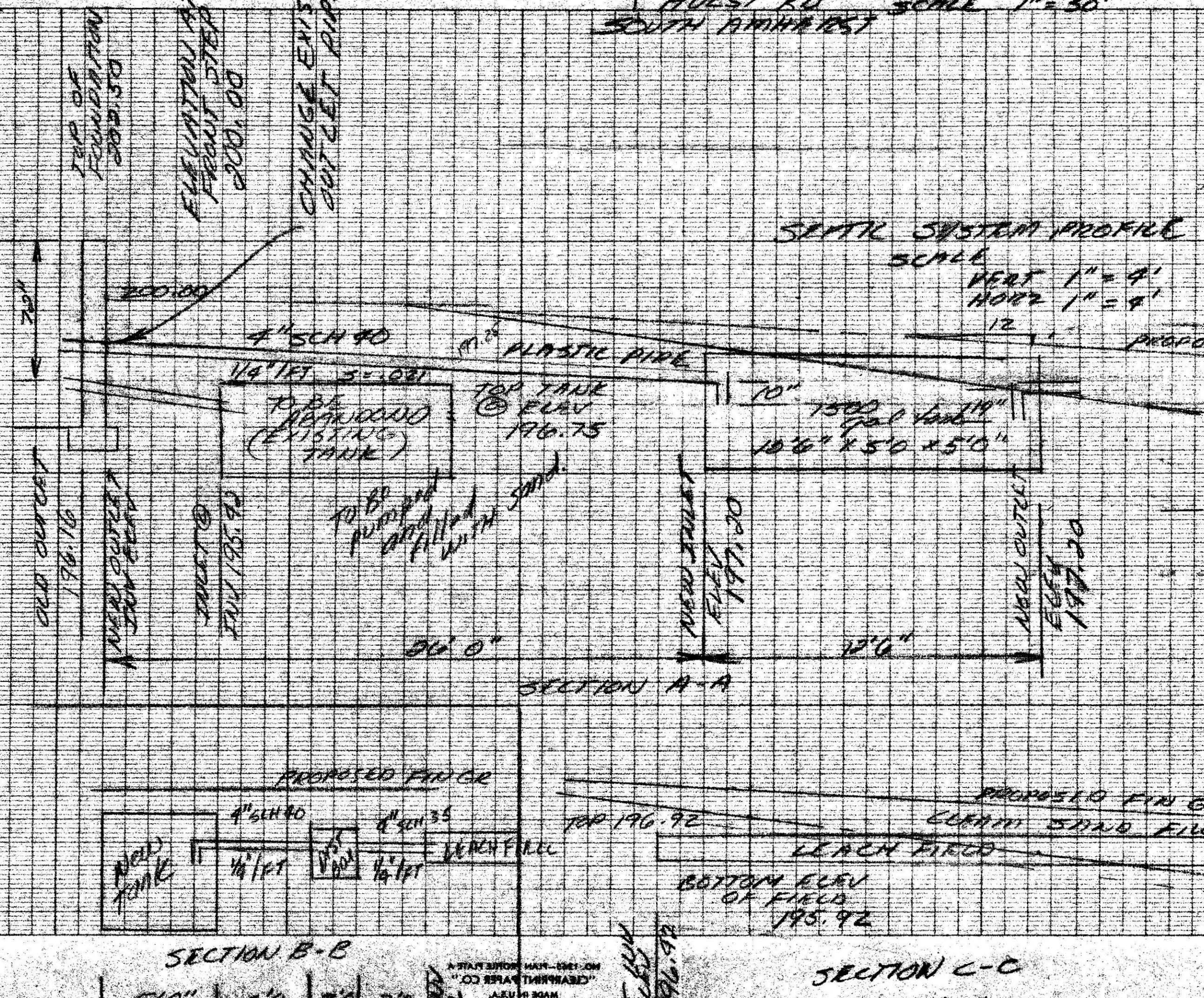
PERCOLATION TEST INFORMATION



H₂O @ 46"
 O₂ @ 46"
 WITNESS D. PIRSKI
 ENGR. W.J. SIEBUTA
 EXL. R. SIEBUTA
 DATE 3/21/88
 Permeability
 Design rate 4.0 minimum Actual Rate 3.0 min/inch



DESIGN NOTES
 1. SEPTIC SYSTEM DESIGN TO BE IN ACCORDANCE WITH 310 CMR 15 STANDARDS AND LOCAL BOARD OF HEALTH REGULATIONS. WHERE POSSIBLE A VARIANCE REQUEST FOR THIS EXISTING SINGLE FAMILY RESIDENCE SHALL BE APPLIED FOR TO WAIVE THE FOLLOWING REGULATIONS:
 (1) OUT OF NATURALLY OCCURRING PERVIOUS SOIL BENEATH THE LEACHING FIELD.
 (2) USE OF FILL TO OBTAIN MIN. DEPTH OF SOIL BENEATH THE LEACHING SYSTEM.
 (3) FINISH CONTOURS TO BE ADDED TO PROPOSED FINISH GRADING PLAN. FILL WILL BE NEEDED TO PROVIDE MINIMUM 310 CMR 15 COMPLIANCE.
DESIGN CRITERIA
 USE: SINGLE FAMILY RESIDENTIAL HOME
 4 BEDROOM 2 BATHROOM FULL BMT DISPOSAL TO BE DISCONTINUED
DESIGN FLOW: 4 BEDROOM x 110 gal/day + Bathroom x 125 gal/day = 650 gal design flow
SEPTIC TANK: 550 x 150" = 825 gal minimum REQUIRED
 USE 1500 gal tank PRECAST CONC 12'6" x 5'0" x 5'0"
LEACHING SYSTEM: DUE TO SOIL CONDITIONS AND SHALLOW DEPTH TO WATER MINIMUM 310 CMR 15 STANDARDS TO BE MET. SAND FILL WILL BE NECESSARY TO PROVIDE SLOPE OFFSET AND A PERMEABLE SOIL UNDER SYSTEM
DESIGN FLOW: 550 gal/day + 1003 gal wood = 1553 gal/day
 24' x 30' = 720 FT²
 720 x .83 = 598 GAL/DAY
 WITHIN PATTI .83 GAL/FT²
 ADEQUATE FOR HOUSEHOLD
 ALL FILL TO HAVE PERMEABILITY OF 2.0 MIN/INCH OR



SEPTIC SYSTEM DESIGN
 PAGE 1, 2, 3 AND PAGE 79
 79 HULST RD
 SOUTH AMHERST, MASS
 WITNESS W.J. SIEBUTA
 DATE MAY 5 1988