

318 A Bevere # Rd.

Cell - Clin.
221-9669
665-4119

Nov 1, 04 PL
CIN # 005105
275.⁰⁰

Rec # 1287



Commonwealth of Massachusetts
Executive Office of Environmental Affairs

Department of Environmental Protection

William F. Weld
Governor

Trudy Coxe
Secretary, EOEPA

David B. Struhs
Commissioner

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM

PART A CERTIFICATION

Property Address: 318 LEVERETT RD AMHERST, MA.

Address of Owner: JEFFREY R. WOOD
(If different)

Date of Inspection: 5-10-03

Name of Inspector: LEONARD W. BUCK

312 LEVERETT RD
AMHERST, MA.

Company Name, Address and Telephone Number:

BUCK BUILDERS, 340 RIVER DR HADLEY, MA.

CERTIFICATION STATEMENT

413-5497338

I certify that I have personally inspected the sewage disposal system at this address and that the information reported below is true, accurate and complete as of the time of inspection. The inspection was performed based on my training and experience in the proper function and maintenance of on-site sewage disposal systems. The system:

- Passes
 Conditionally Passes
 Needs Further Evaluation By the Local Approving Authority
 Fails

Inspector's Signature:

Date: 5-10-03

The System Inspector shall submit a copy of this inspection report to the Approving Authority within thirty (30) days of completing this inspection. If the system is a shared system or has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the Department of Environmental Protection.

The original should be sent to the system owner and copies sent to the buyer, if applicable and the approving authority.

INSPECTION SUMMARY:

Check A, B, C, or D:

A) SYSTEM PASSES:

I have not found any information which indicates that the system violates any of the failure criteria as defined in 310 CMR 15.303. Any failure criteria not evaluated are indicated below.

B) SYSTEM CONDITIONALLY PASSES:

One or more system components need to be replaced or repaired. The system, upon completion of the replacement or repair, passes inspection.

Indicate yes, no, or not determined (Y, N, or ND). Describe basis of determination in all instances. If "not determined", explain why not.

The septic tank is metal, cracked, structurally unsound, shows substantial infiltration or exfiltration, or tank failure is imminent. The system will pass inspection if the existing septic tank is replaced with a conforming septic tank as approved by the Board of Health.

**SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART A
CERTIFICATION (continued)**

Property Address:
Owner:
Date of Inspection:

B] SYSTEM CONDITIONALLY PASSES (continued)

- Sewage backup or breakout or high static water level observed in the distribution box is due to broken or obstructed pipe(s) or due to a broken, settled or uneven distribution box. The system will pass inspection if (with approval of the Board of Health):
- broken pipe(s) are replaced
 - obstruction is removed
 - distribution box is levelled or replaced
- The system required pumping more than four times a year due to broken or obstructed pipe(s). The system will pass inspection if (with approval of the Board of Health):
- broken pipe(s) are replaced
 - obstruction is removed

C] FURTHER EVALUATION IS REQUIRED BY THE BOARD OF HEALTH:

Conditions exist which require further evaluation by the Board of Health in order to determine if the system is failing to protect the public health, safety and the environment.

1) SYSTEM WILL PASS UNLESS BOARD OF HEALTH DETERMINES THAT THE SYSTEM IS NOT FUNCTIONING IN A MANNER WHICH WILL PROTECT THE PUBLIC HEALTH AND SAFETY AND THE ENVIRONMENT:

- Cesspool or privy is within 50 feet of a surface water
- Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh.

2) SYSTEM WILL FAIL UNLESS THE BOARD OF HEALTH (AND PUBLIC WATER SUPPLIER, IF APPROPRIATE) DETERMINES THAT THE SYSTEM IS FUNCTIONING IN A MANNER THAT PROTECT THE PUBLIC HEALTH AND SAFETY AND THE ENVIRONMENT:

- The system has a septic tank and soil absorption system and is within 100 feet to a surface water supply or tributary to a surface water supply.
- The system has a septic tank and soil absorption system and is within a Zone I of a public water supply well.
- The system has a septic tank and soil absorption system and is within 50 feet of a private water supply well.
- The system has a septic tank and soil absorption system and is less than 100 feet but 50 feet or more from a private water supply well, unless a well water analysis for coliform bacteria and volatile organic compounds indicates that the well is free from pollution from that facility and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm.

D] SYSTEM FAILS:

I have determined that the system violates one or more of the following failure criteria as defined in 310 CMR 15.303. The basis for this determination is identified below. The Board of Health should be contacted to determine what will be necessary to correct the failure.

- Backup of sewage into facility or system component due to an overloaded or clogged SAS or cesspool.
- Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool.

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART A
CERTIFICATION (continued)

Property Address: 318 LEUBNIGT RD AMHERST
Owner: J. WOOD
Date of Inspection: 5-10-03

D] SYSTEM FAILS (continued):

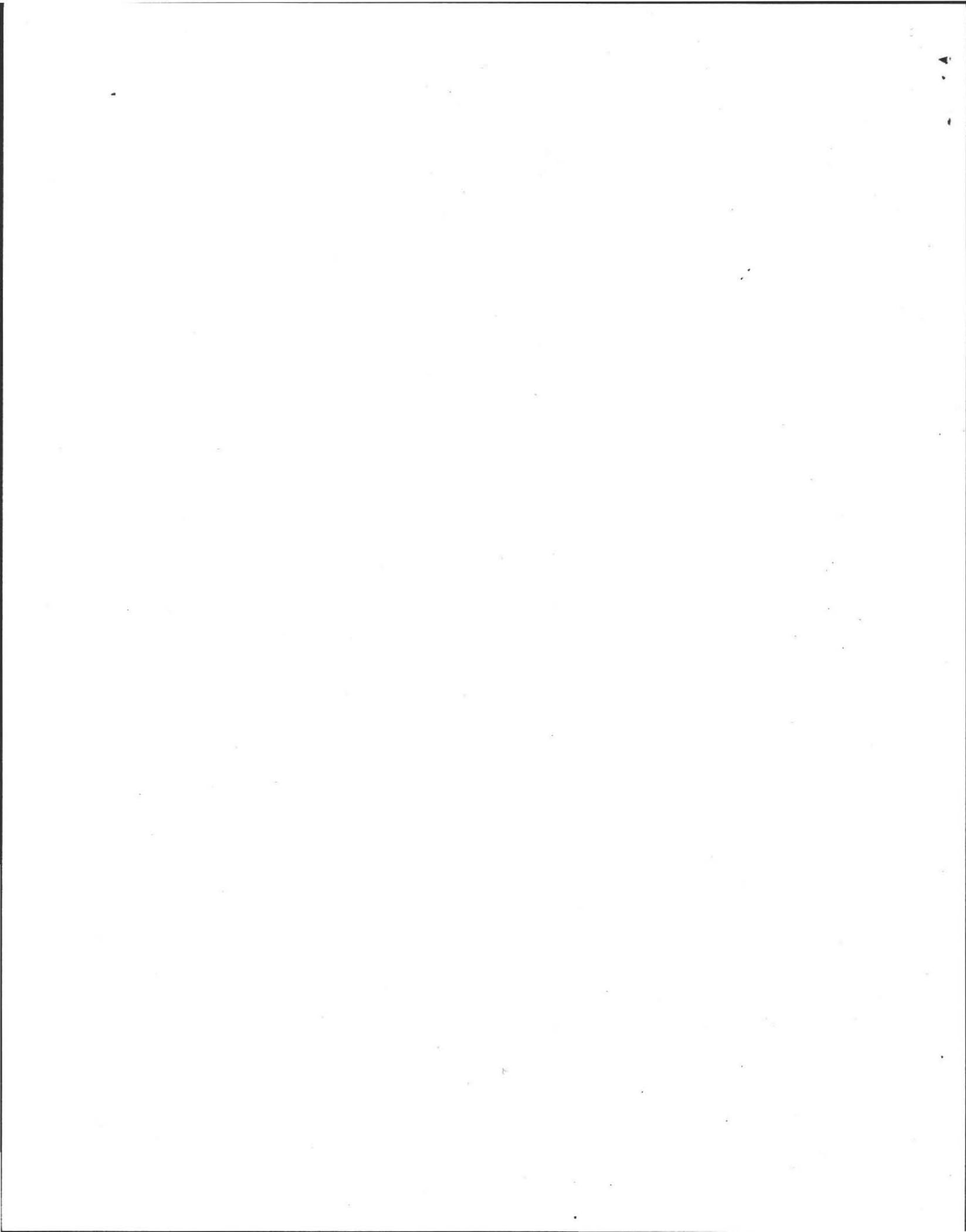
- Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool.
- Liquid depth in cesspool is less than 6" below invert or available volume is less than 1/2 day flow.
- Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s).
Number of times pumped _____
- Any portion of the Soil Absorption System, cesspool or privy is below the high groundwater elevation.
- Any portion of a cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply.
- Any portion of a cesspool or privy is within a Zone I of a public well.
- Any portion of a cesspool or privy is within 50 feet of a private water supply well.
- Any portion of a cesspool or privy is less than 100 feet but greater than 50 feet from a private water supply well with **no** acceptable water quality analysis. If the well has been analyzed to be acceptable, attach copy of well water analysis for coliform bacteria, volatile organic compounds, ammonia nitrogen and nitrate nitrogen.

E] LARGE SYSTEM FAILS:

The following criteria apply to large systems in addition to the criteria above:

- The design flow of system is 10,000 gpd or greater (Large System) and the system is a significant threat to public health and safety and the environment because one or more of the following conditions exist:
 - the system is within 400 feet of a surface drinking water supply
 - the system is within 200 feet of a tributary to a surface drinking water supply
 - the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area (IWPA) or a mapped Zone II of a public water supply well)

The owner or operator of any such system shall bring the system and facility into full compliance with the groundwater treatment program requirements of 314 CMR 5.00 and 6.00. Please consult the local regional office of the Department for further information.

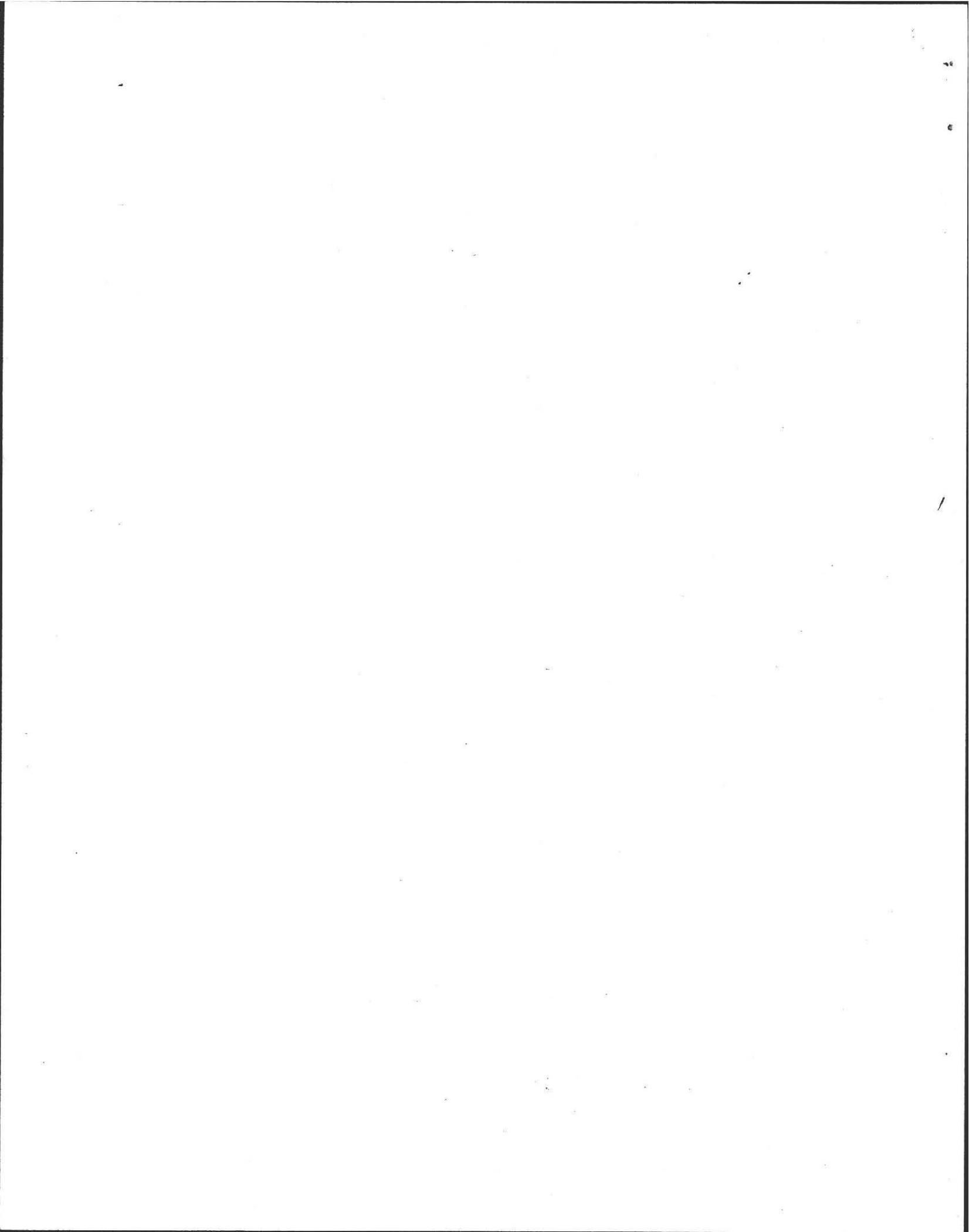


SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART B
CHECKLIST

Property Address:
Owner:
Date of Inspection:

Check if the following have been done:

- Pumping information was requested of the owner, occupant, and Board of Health.
- None of the system components have been pumped for at least two weeks and the system has been receiving normal flow rates during that period. Large volumes of water have not been introduced into the system recently or as part of this inspection.
- As built plans have been obtained and examined. Note if they are not available with N/A.
- The facility or dwelling was inspected for signs of sewage back-up.
- The system does not receive non-sanitary or industrial waste flow
- The site was inspected for signs of breakout.
- All system components, excluding the Soil Absorption System, have been located on the site.
- The septic tank manholes were uncovered, opened, and the interior of the septic tank was inspected for condition of baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge, depth of scum.
- The size and location of the Soil Absorption System on the site has been determined based on existing information or approximated by non-intrusive methods.
- The facility owner (and occupants, if different from owner) were provided with information on the proper maintenance of Sub-Surface Disposal System.



SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address:
Owner:
Date of Inspection:

SEPTIC TANK:
(locate on site plan)

Depth below grade: 6"
Material of construction: concrete metal FRP other(explain)

Dimensions: 10'-6" x 5'-8" x 5'-7"
Sludge depth: 4"
Distance from top of sludge to bottom of outlet tee or baffle: 33"
Scum thickness: 4" ONE
Distance from top of scum to top of outlet tee or baffle: 8"
Distance from bottom of scum to bottom of outlet tee or baffle: 23"

Comments:
(recommendation for pumping, condition of inlet and outlet tees or baffles, depth of liquid level in relation to outlet invert, structural integrity, evidence of leakage, etc.) WELL MAINTAINED SYSTEM - IN VERY GOOD CONDITION
ALL COMPONENTS IN GOOD SHAPE & WORKING PROPERLY

GREASE TRAP: NO
(locate on site plan)

Depth below grade: _____
Material of construction: concrete metal FRP other(explain)

Dimensions: _____
Scum thickness: _____
Distance from top of scum to top of outlet tee or baffle: _____
Distance from bottom of scum to bottom of outlet tee or baffle: _____

Comments:
(recommendation for pumping, condition of inlet and outlet tees or baffles, depth of liquid level in relation to outlet invert, structural integrity, evidence of leakage, etc.) _____

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION

Property Address:
Owner:
Date of Inspection:

FLOW CONDITIONS

RESIDENTIAL:

Design flow: 550 gallons
Number of bedrooms: 5
Number of current residents: 2
Garbage grinder (yes or no): NO
Laundry connected to system (yes or no): YES
Seasonal use (yes or no): NO
Water meter readings, if available: _____

Last date of occupancy: PRESENTLY OCCUPIED

COMMERCIAL/INDUSTRIAL:

Type of establishment: _____
Design flow: _____ gallons/day
Grease trap present: (yes or no) _____
Industrial Waste Holding Tank present: (yes or no) _____
Non-sanitary waste discharged to the Title 5 system: (yes or no) _____
Water meter readings, if available: _____

Last date of occupancy: _____

OTHER: (Describe) _____

Last date of occupancy: _____

GENERAL INFORMATION

PUMPING RECORDS and source of information:

PUMPED ANNUALLY
System pumped as part of inspection: (yes or no) YES
If yes, volume pumped: 1500 gallons
Reason for pumping: TO INSPECT TANK

TYPE OF SYSTEM

Septic tank/distribution box/soil absorption system
 Single cesspool
 Overflow cesspool
 Privy
 Shared system (yes or no) (if yes, attach previous inspection records, if any)
 Other (explain) _____

APPROXIMATE AGE of all components, date installed (if known) and source of information: 1989 - INSTALLED (OWNER'S AGENT)

Sewage odors detected when arriving at the site: (yes or no) NO

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address:
Owner:
Date of Inspection:

SOIL ABSORPTION SYSTEM (SAS): YES
(locate on site plan, if possible; excavation not required, but may be approximated by non-intrusive methods)

If not determined to be present, explain:

Type:

leaching pits, number: _____
leaching chambers, number: _____
leaching galleries, number: _____
leaching trenches, number, length: _____
leaching fields, number, dimensions: X YES - ONE
overflow cesspool, number: _____

Comments: (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.) _____

CESSPOOLS: NO
(locate on site plan)

Number and configuration: _____
Depth-top of liquid to inlet invert: _____
Depth of solids layer: _____
Depth of scum layer: _____
Dimensions of cesspool: _____
Materials of construction: _____
Indication of groundwater: _____
inflow (cesspool must be pumped as part of inspection) _____

Comments: (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.) _____

PRIVY: NO
(locate on site plan)

Materials of construction: _____ Dimensions: _____
Depth of solids: _____

Comments: (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.) _____

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address: 318 LEVERETT RD AMHERST, MA.
Owner: J. WOOD
Date of Inspection: 5-10-03

TIGHT OR HOLDING TANK: NO
(locate on site plan)

Depth below grade: _____
Material of construction: concrete metal FRP other(explain)

Dimensions: _____
Capacity: _____ gallons
Design flow: _____ gallons/day
Alarm level: _____

Comments:
(condition of inlet tee, condition of alarm and float switches, etc.)

DISTRIBUTION BOX: YES
(locate on site plan)

Depth of liquid level above outlet invert: 0"

Comments:
(note if level and distribution is equal, evidence of solids carryover, evidence of leakage into or out of box, etc.)
GOOD SHAPE - NOT LEAKING - NO SOLIDS

PUMP CHAMBER: NO
(locate on site plan)

Pumps in working order:(yes or no) _____

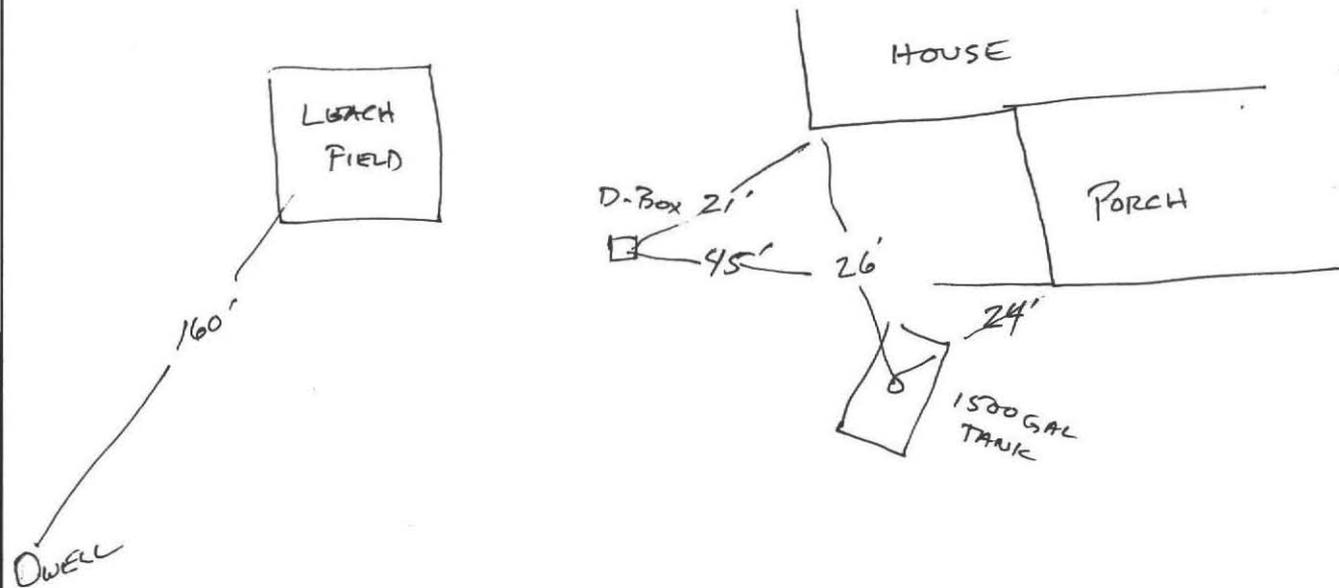
Comments:
(note condition of pump chamber, condition of pumps and appurtenances, etc.) _____

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address: 318 LEUGRATT RD AMSTERST, MA.
Owner: J. WOOD
Date of Inspection: 5-10-03

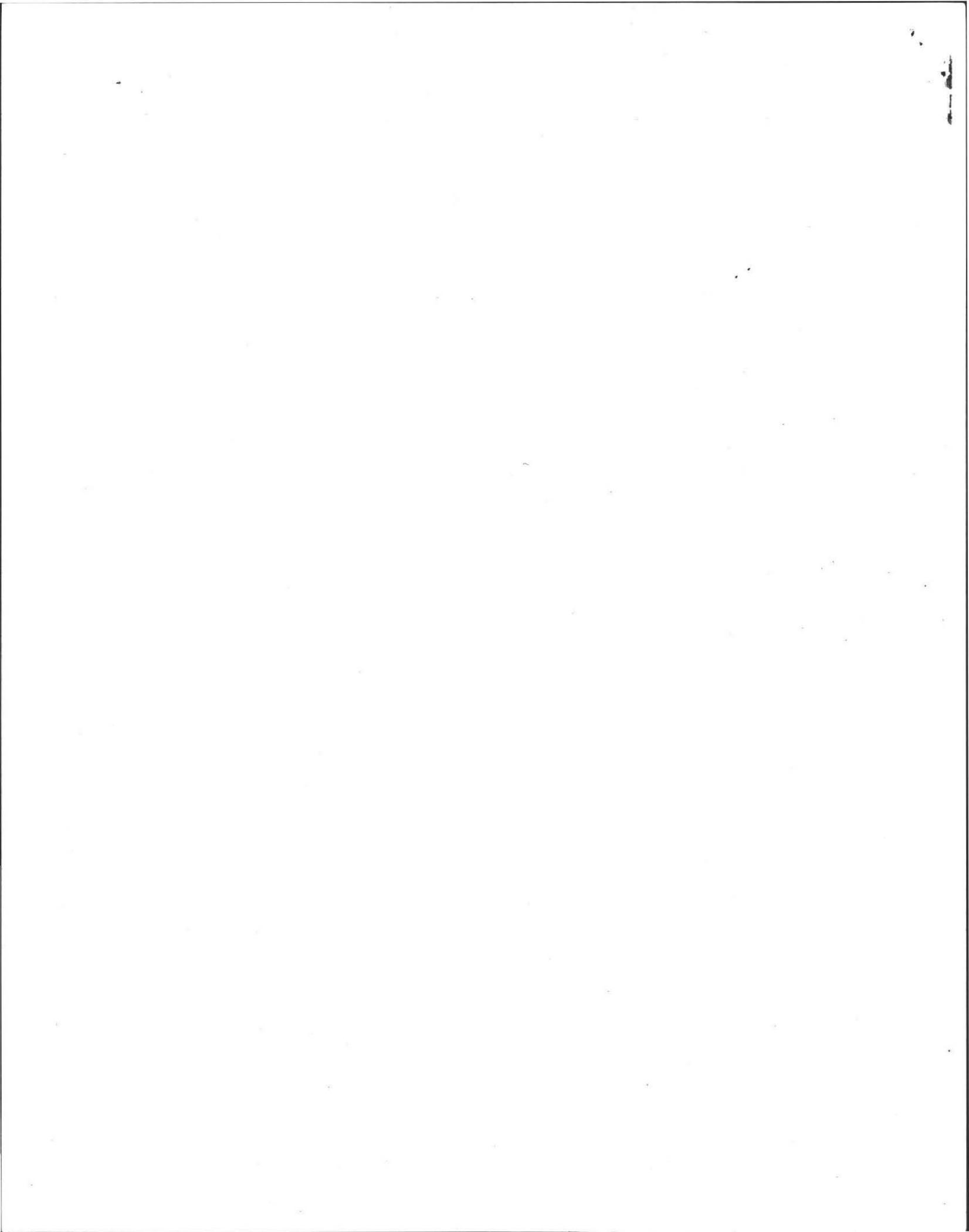
SKETCH OF SEWAGE DISPOSAL SYSTEM:

include ties to at least two permanent references landmarks or benchmarks
locate all wells within 100'



DEPTH TO GROUNDWATER

Depth to groundwater: 16'-20' feet
method of determination or approximation: VISUAL TO PONDS IN LOWER PASTURE



He (Jeff) will call back to give more info on his
Progress

Mr Wood's mother lives on the first floor left-

How well installed

AMHERST HEALTH DEPARTMENT
CHAPTER II STATE SANITARY CODE 105.CMR. 410.000

#318

Name OLGA VATUER Address 318 Leverett Rd Tel. # 549-1401
549-4129

No. of Occupants 5 ^{Room} Apt. # 4 # of Dwelling Units _____ # of Floors _____

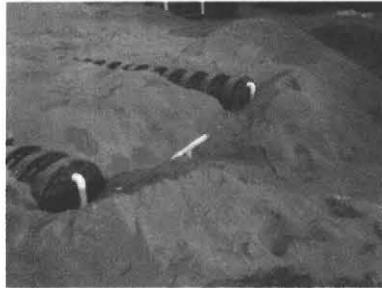
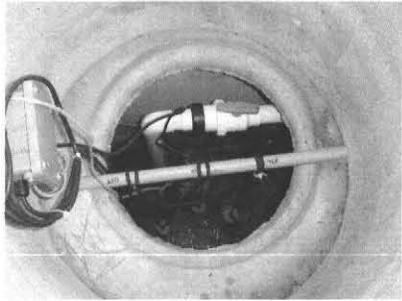
Structure B F M _____ Age of Building _____ # Habitable Rooms _____ # Bedrooms _____

Owner/Manager Jeff Wood Address 314 Leverett Rd Tel. # 549-7764
Lily Wood

Bathroom 410.150	Regulation	Violations
Hot water between 110 & 130 F	.190	*
Toilet Seat	.150 A(1)	
Wash Basin	.150 A(2)	
Shower or tub	.150 A(3)	
Sufficient cold water	.350 A(3)	
Floor	.500/.504	
Walls	.500	
Windows	.500	
Ceiling	.500	
Door	.150 A(4)	
Light	.252 A	
Ventilation	.280 A or B	
Plumbing connections & drains	.350	
Non-absorbent floor/walls	.504 B	
Heating Facilities required	.200	

Kitchen 410.100	Regulation	Violations
Kitchen sink sufficient size	.100 A(1)	
Stove and oven	.100 A(2)	
2 Outlets (electrical)	.251 B	
One electrical light fixture	.251 A	
Walls	.500	
Ceiling	.500	
Floor	.500/.504 A	
Ventilation (window) (mechanical)	.251.6	
Cold water (sufficient pressures)	.350 A	
Hot water 110 - 130 F	.190	*
Windows	.500/.501	
Doors	.500	
Screens (door & window)	.552 & .551	
Plumbing connections & drains	.350	
Other installed appliances	.351	
<u>POTABLE WATER</u>	<u>.180</u>	<u>NO WATER (well) DRY</u>

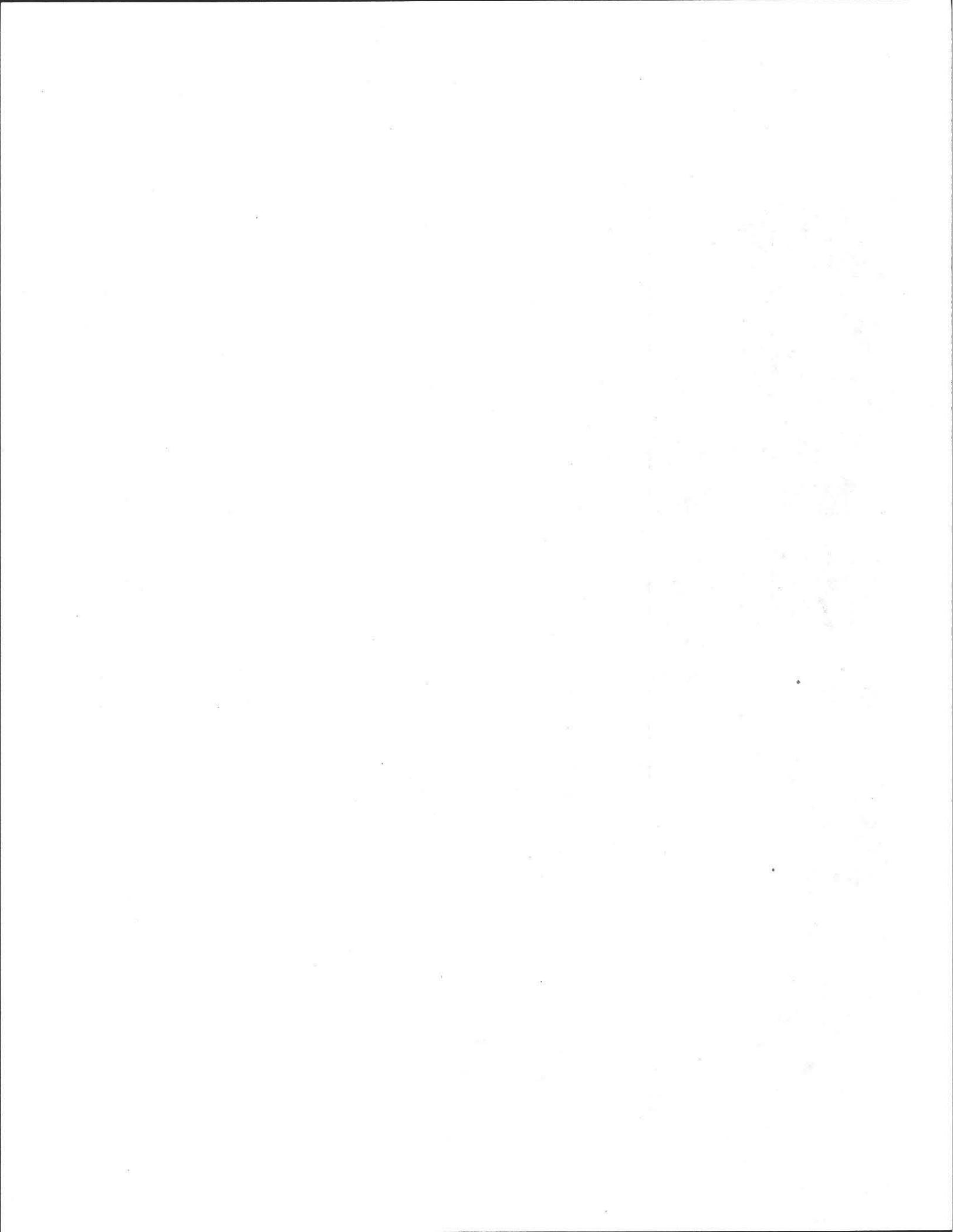
I talked to Jeff Wood - The problem was being addressed by his help by lowering the pipe into the well - Showers water bathroom facilities kept door - Bottle water - If this doesn't work - well digger will be called



318 Leverett Road 11/19/04

Engineer: David Keats

Installer: Henry Kocot



No. 04-15

Fee 275 ⁰⁰ ₇₆

COMMONWEALTH OF MASSACHUSETTS
Board of Health, AMHERST, MA.

005-105

DISPOSAL SYSTEM CONSTRUCTION PERMIT

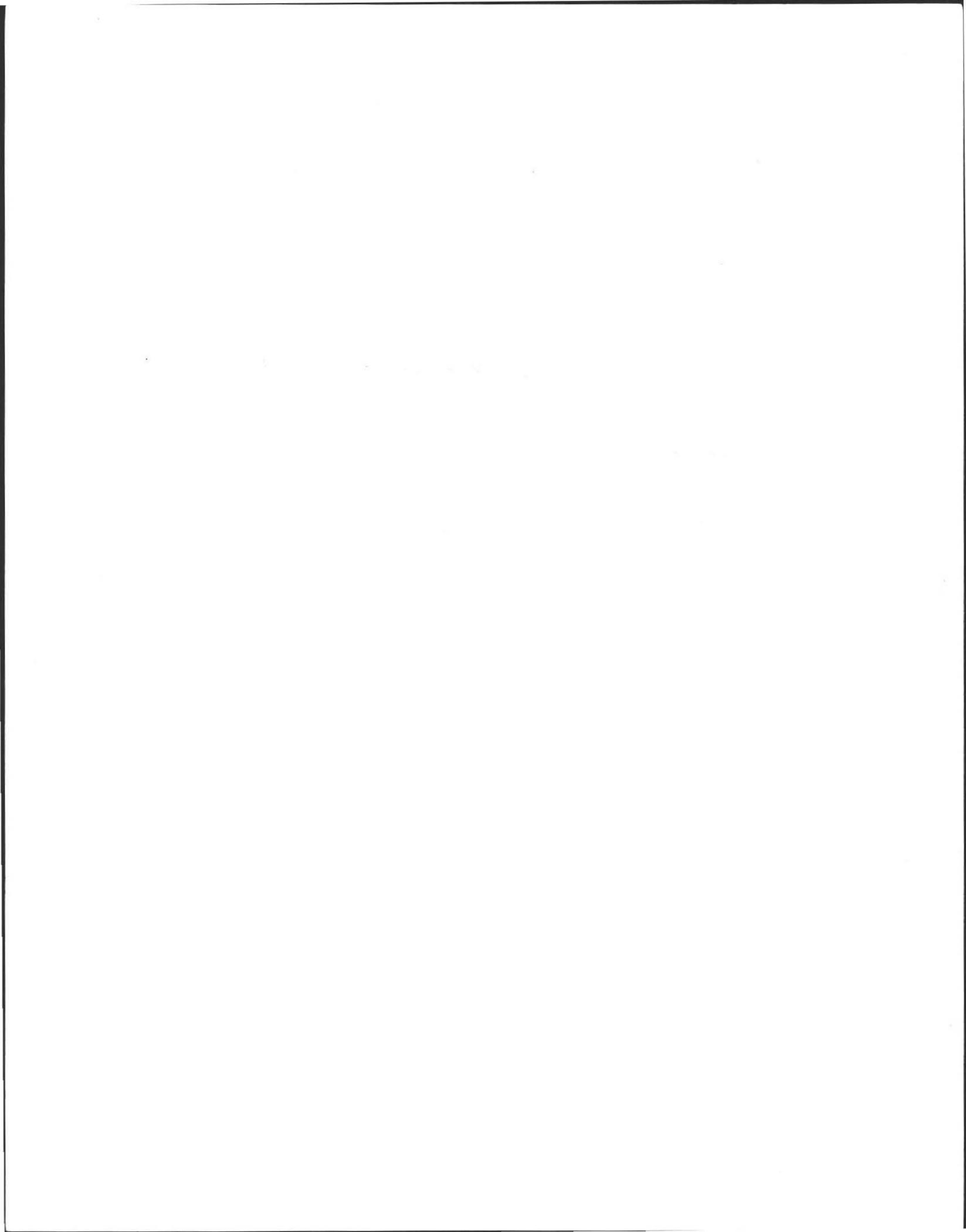
Permission is hereby granted to; Construct() Repair() Upgrade() Abandon() an individual
sewage disposal system at 318 Leverett Road
as described in the application for Disposal System Construction Permit No. 04-15,
dated 10/29/04. Revised

Provided: Construction shall be completed within three years of the date of this permit. All local
conditions must be met.

Date 10/29/04 Board of Health [Signature]

**Sewage Disposal System
Wood Land Nominee Trust
318 Leverett Road
Amherst, MA**





No. 86-79

#318

FEE \$90

pto f
CK 373

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:

Location - Address: LEVERETT RD, Lot #3
Owner: JEFFREY WOOD, 312 LEVERETT RD, AMHERST
Installer: L & F CONST, LEVERETT MA

Type of Building: Dwelling (X) No. of Bedrooms: 4 Expansion Attic (No) Garbage Grinder (No)
Other - Type of Building: No. of persons: Showers () - Cafeteria ()
Other fixtures:

Design Flow: 110 gallons per person per day. Total daily flow: 440 gallons.
Septic Tank: Liquid capacity: 1000 gallons Length: 8' Width: 5' Diameter: Depth: 5'
Disposal Field: No. Width: 18' Total Length: 45' Total leaching area: 810 sq. ft.
Seepage Pit No.: Diameter: Depth below inlet: Total leaching area: sq. ft.
Other Distribution box (Yes) Dosing tank (No)
Percolation Test Results: Performed by: RICHARD SCOTT, P.E. Date: 12-17-86
Test Pit No. 1: 10 minutes per inch Depth of Test Pit: 108" Depth to ground water: 42"
Test Pit No. 2: minutes per inch Depth of Test Pit: Depth to ground water:

Description of Soil: TO 8" TOPSOIL; TO 18" SUBSOIL; TO DEPTH DENSE TILL w/ FINES & 1-4" COBBLES.

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.

Application Approved By: [Signature] Signed: [Signature] Date: 12/31/86
Application Disapproved for the following reasons:

Permit No. 86-79 Issued: 12/31/86 Date

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 [Address]

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. [Permit No.] dated [Date]

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

DATE [Date] Inspector [Signature]

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

TOWN OF AMHERST

No. 86-79

FEE \$90

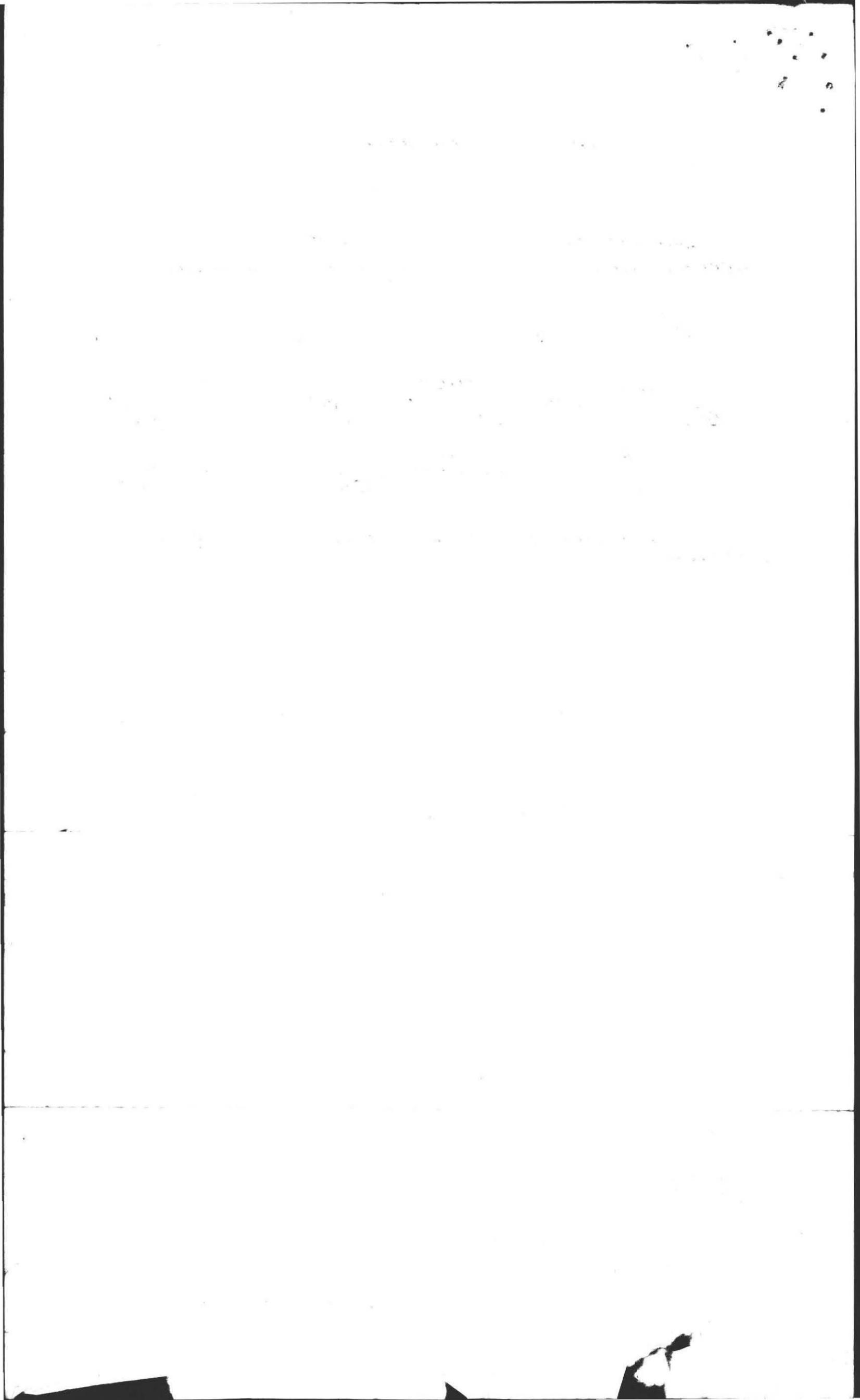
Disposal Works Construction Permit

Permission is hereby granted to J. Woods - L & F Const to Construct (X) or Repair () an Individual Sewage Disposal System at No. Lot #3 LEVERETT RD Street

as shown on the application for Disposal Works Construction Permit No. 86-79 Dated 12/31/86

DATE 12/31/86 [Signature] Board of Health

CHECK OR FILL IN WHERE APPLICABLE



No.....

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 () or Repair () an Individual Sewage Disposal System at:

Location - Address: LEVERETT RD. Lot #3
Owner: JEFFREY WOOD Address: 312 LEVERETT RD., AMHERST

Type of Building: Dwelling
No. of Bedrooms: 4
Expansion Attic: (No)
Garbage Grinder: (No)
Other - Type of Building:
No. of persons:
Showers: () - Cafeteria: ()

Design Flow: 110 gallons per person per day. Total daily flow: 440 gallons.
Septic Tank: Liquid capacity: 1000 gallons. Length: 8'. Width: 15'. Diameter: 5'. Depth: 5'.
Disposal Field: No. Width: 18'. Total Length: 45'. Total leaching area: 810 sq. ft.

Percolation Test Results: Performed by RICHARD SCOTT, P.E. Date: 12-17-86
Test Pit No. 1: 10 minutes per inch. Depth of Test Pit: 108". Depth to ground water: 42".
Test Pit No. 2: minutes per inch. Depth of Test Pit: Depth to ground water:

Description of Soil: To 8" TOPSOIL; TO 18" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1-4" COBBLES.

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:
Application Approved By:
Application Disapproved for the following reasons:
Permit No. Issued: Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

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

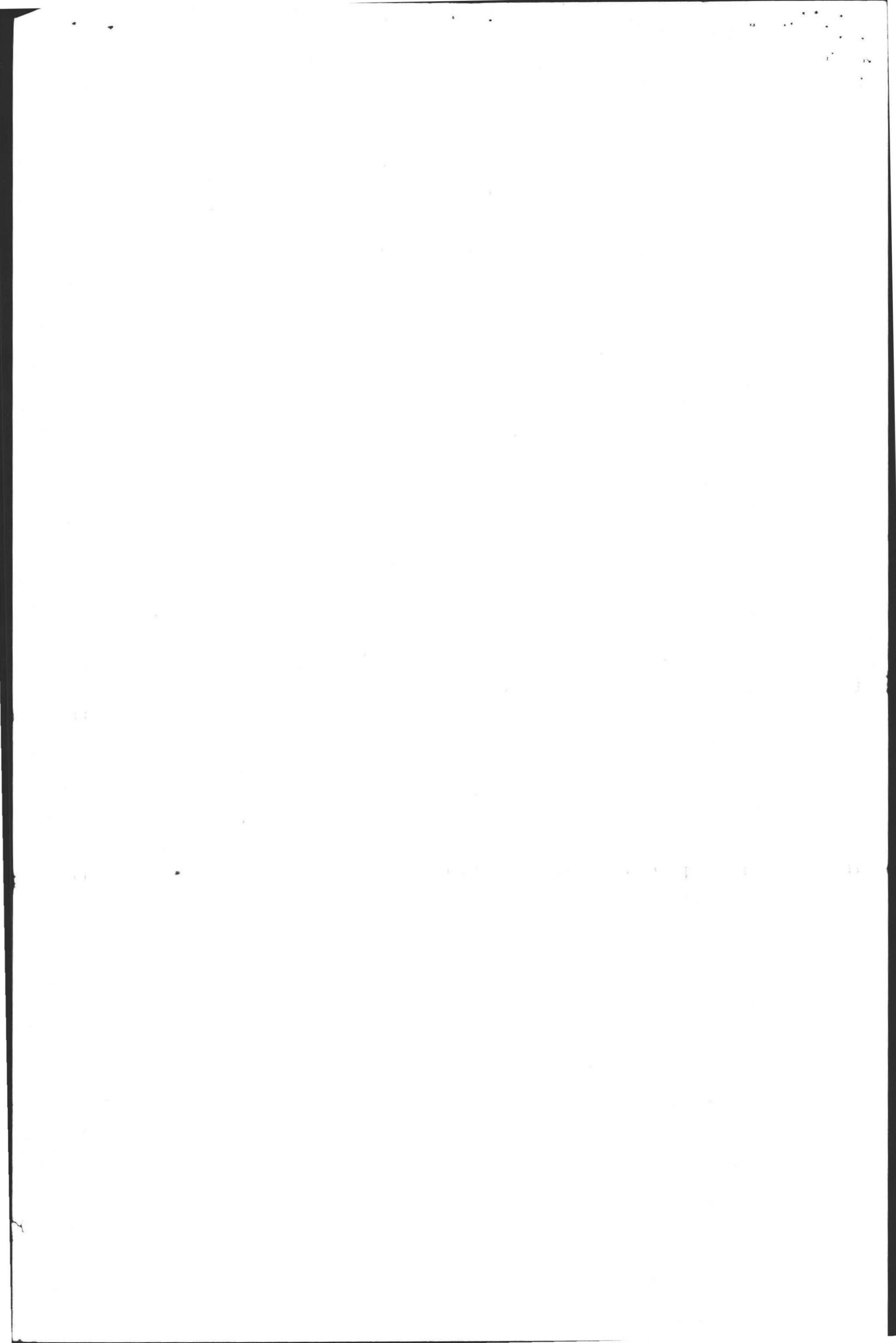
No..... OF..... FEE.....

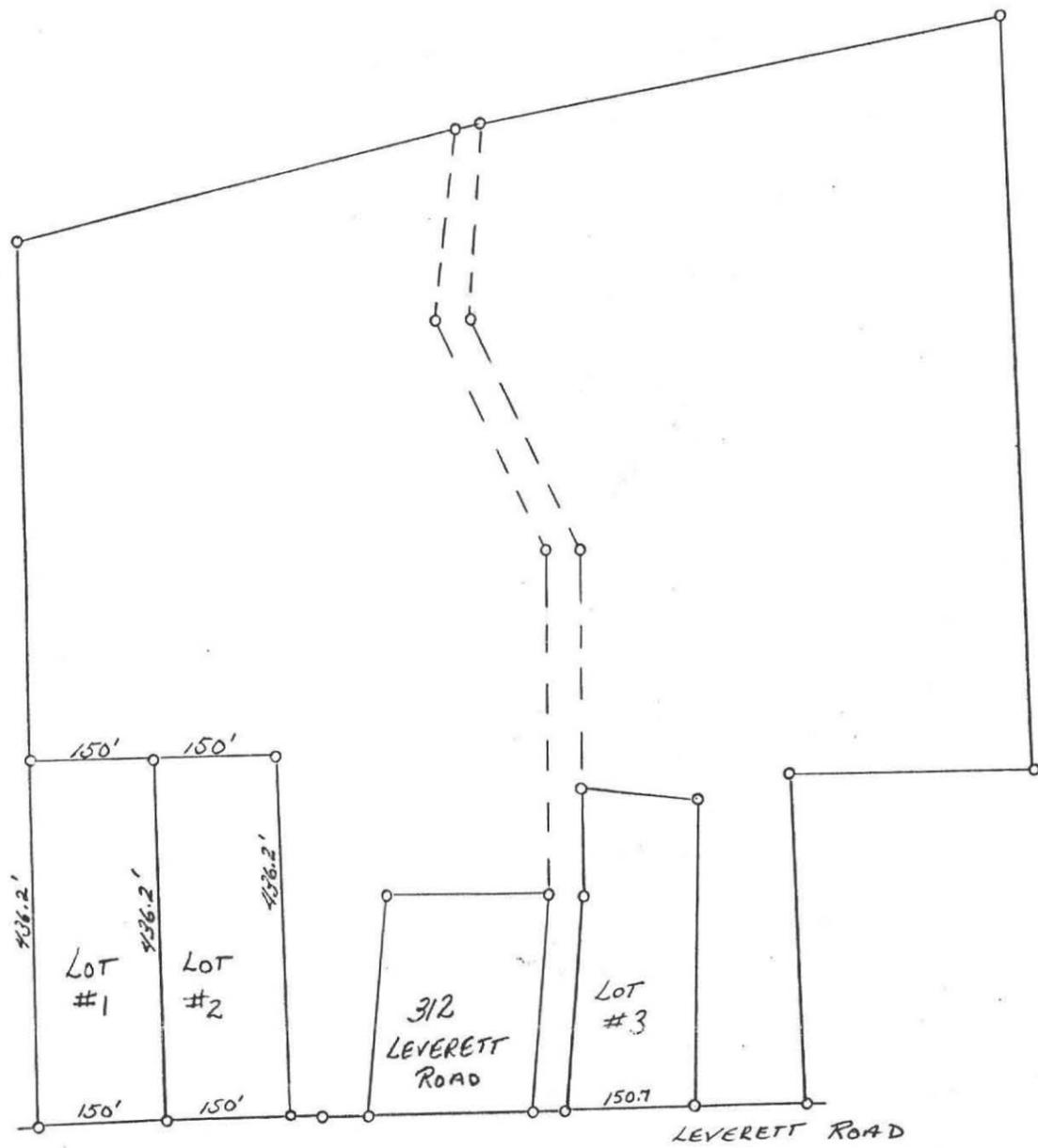
Disposal Works Construction Permit

Permission is hereby granted to Construct () or Repair () an Individual Sewage Disposal System at No. Street as shown on the application for Disposal Works Construction Permit No. Dated.
Board of Health

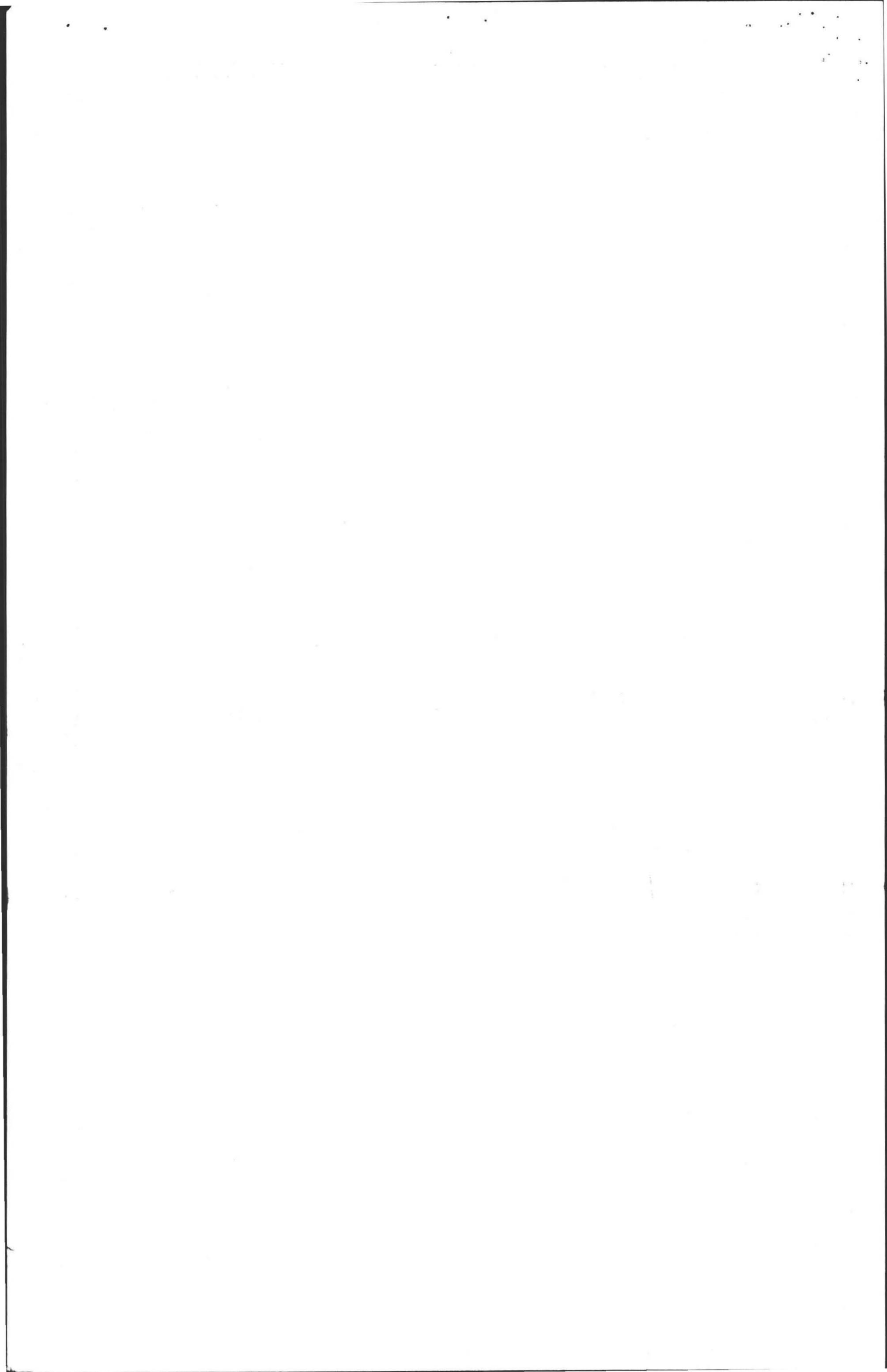
DATE

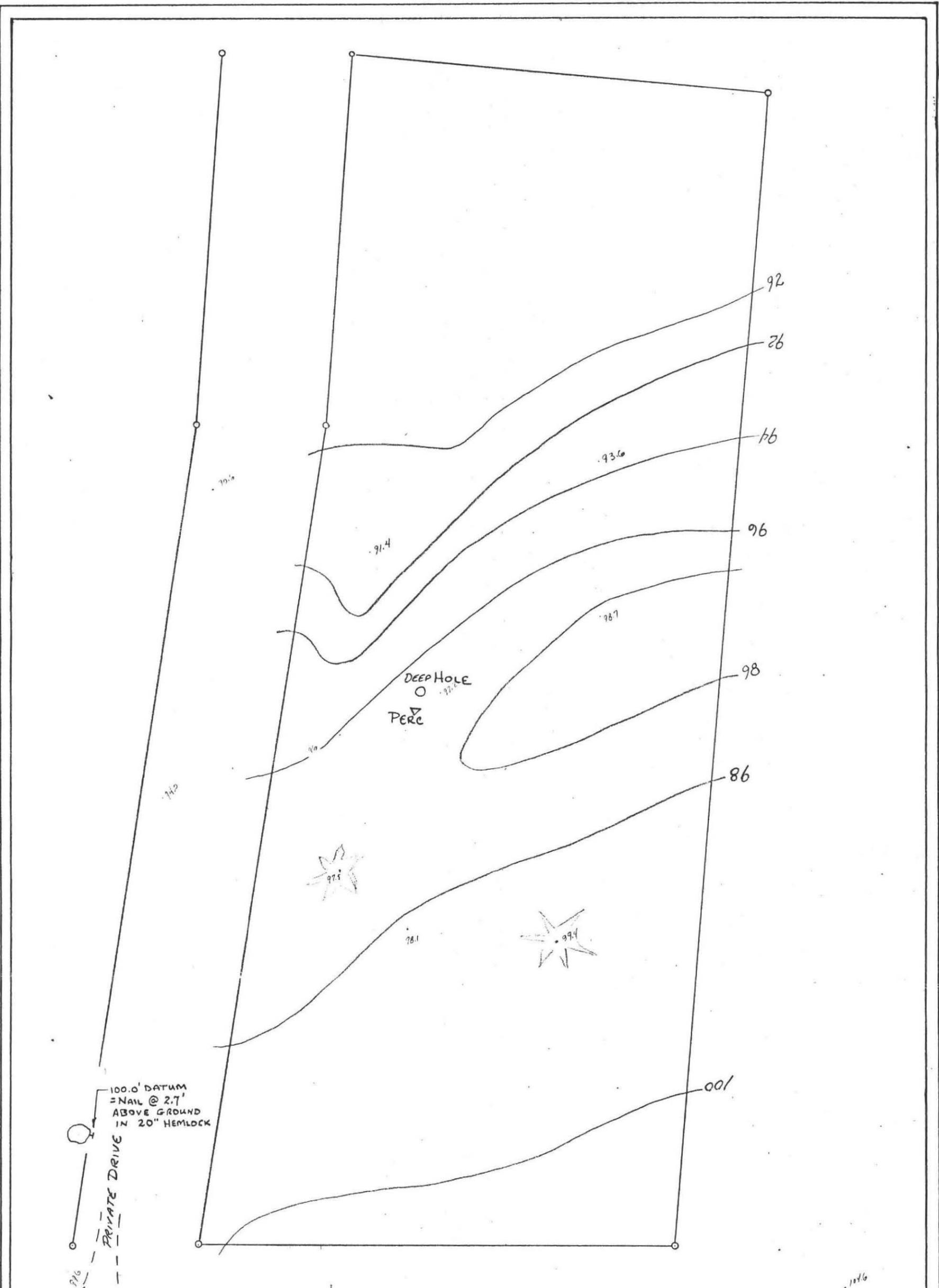
CHECK OR FILL IN WHERE APPLICABLE





PLAN OF RESIDENTIAL LOTS ON THE WEST
 SIDE OF LEVERETT RD. NEAR 312 LEVERETT RD.
 FOR: JEFFREY WOOD
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 200' DATE 12-19-86

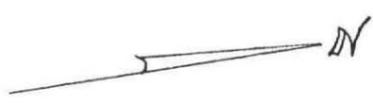




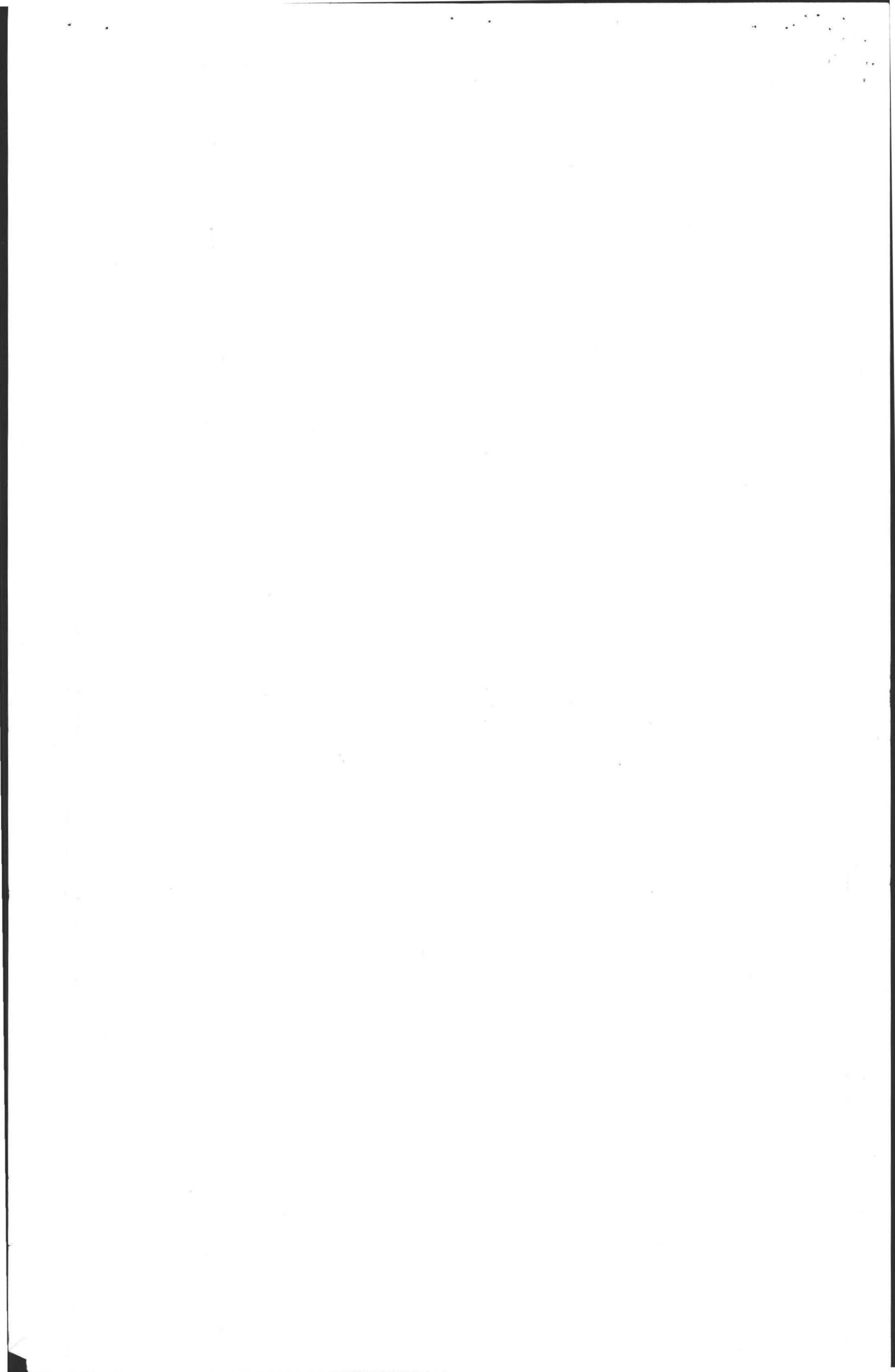
100.0' DATUM
 = NAIL @ 2.7'
 ABOVE GROUND
 IN 20" HEMLOCK

PRIVATE DRIVE

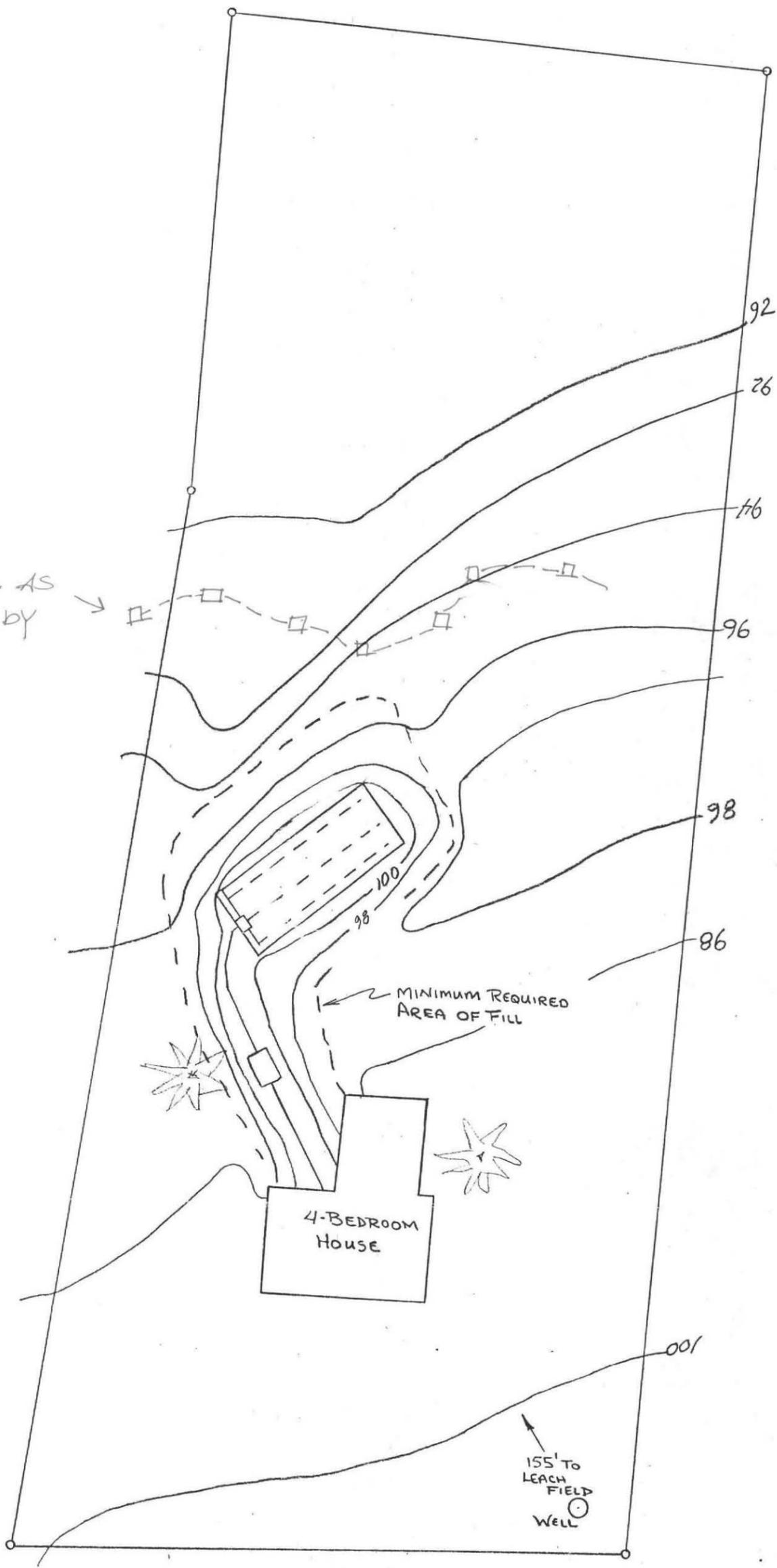
LEVERETT RD.



PROPOSED SEPTIC SYSTEM DESIGN
 LOT #3 LEVERETT RD. AMHERST, MA.
 SITE PLAN: EXISTING CONTOURS.
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 30' DATE 12-28-86



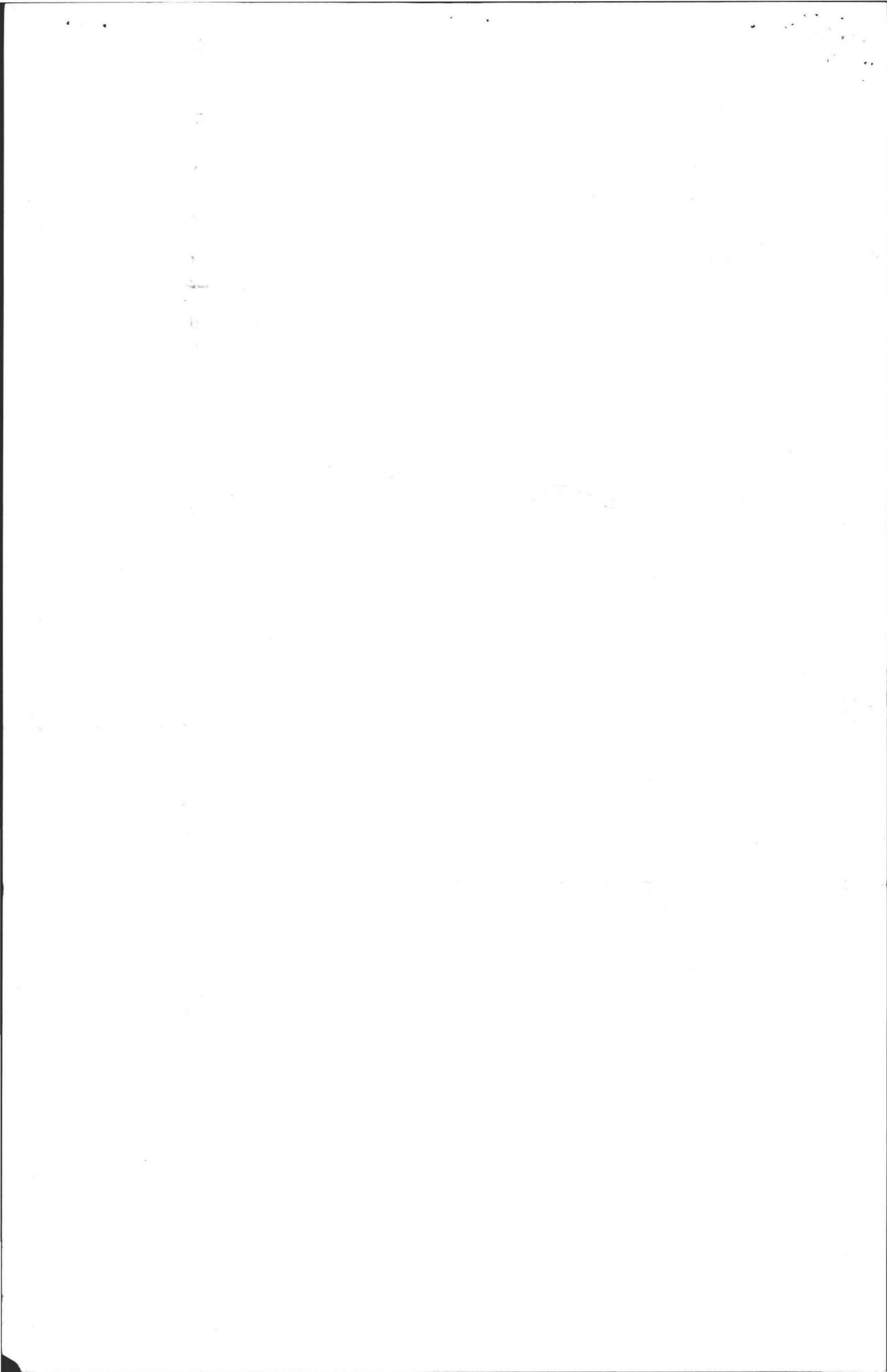
W.L. AS
SHOWN BY
J. WOOD



LEVERETT RD.



PROPOSED SEPTIC SYSTEM DESIGN
LOT #3 LEVERETT RD. AMHERST, MA.
SITE PLAN: PROPOSED LOCATIONS & CONTOURS
PREPARED BY: RICHARD SCOTT, P.E.
SCALE: 1" = 30' DATE 12-28-86



SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

MINIMUM EFFECTIVE SEPTIC TANK VOLUME = $1.5 \times 440 = 660$ GALLONS

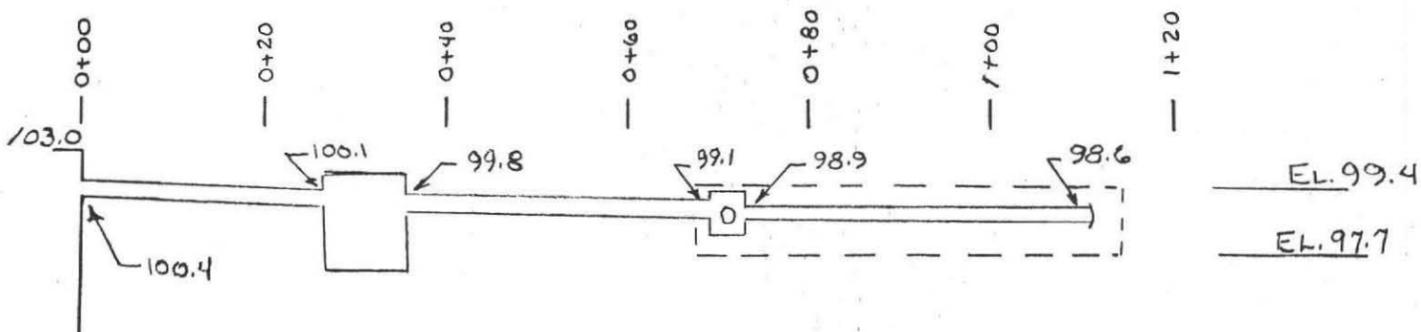
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS

PERCOLATION RATE = 10 MINUTES PER INCH \rightarrow DESIGN LOADING =
= 1.8 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.

MINIMUM LEACH FIELD BOTTOM AREA = $440 \times 1.8 = 792$ SQ. FT.

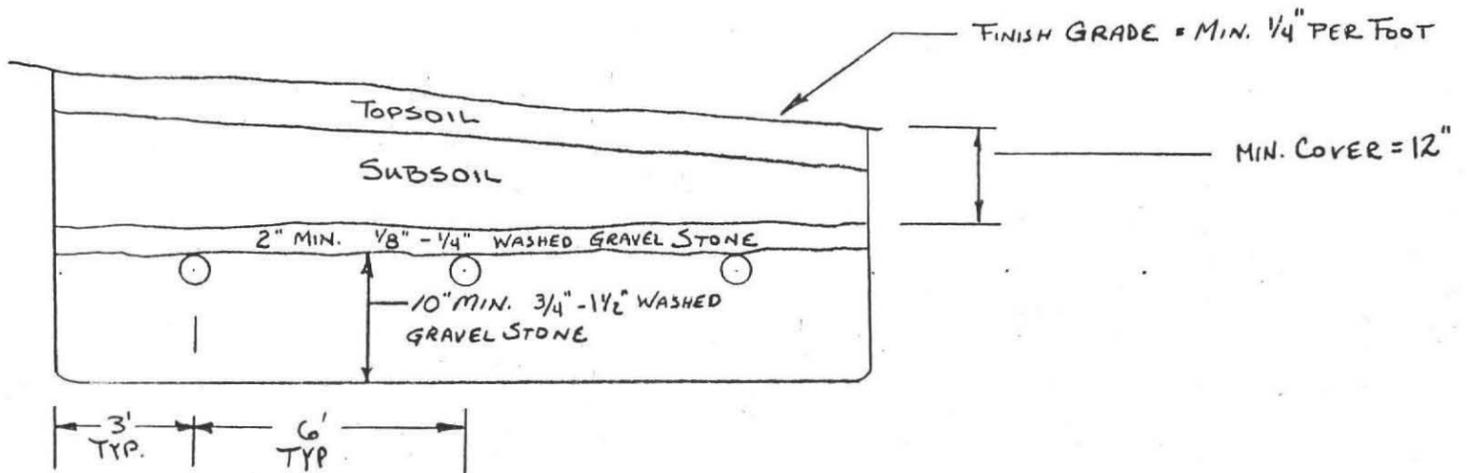
LEACH FIELD SPECIFIED FOR THIS SITE = $18' \times 45' = 810$ SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.O.E. STATE ENVIRONMENTAL CODE TITLE 5.



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW

SCALE: HORIZ: 1" = 20' VERT: N.T.S.



18' X 45' LEACHFIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 135 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. 1.005' PER FT. ALL PIPE ENDS TO BE CAPPED.

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW

SCALE: HORIZ: 1" = 4' VERT: N.T.S.

PROPOSED SEPTIC SYSTEM DESIGN

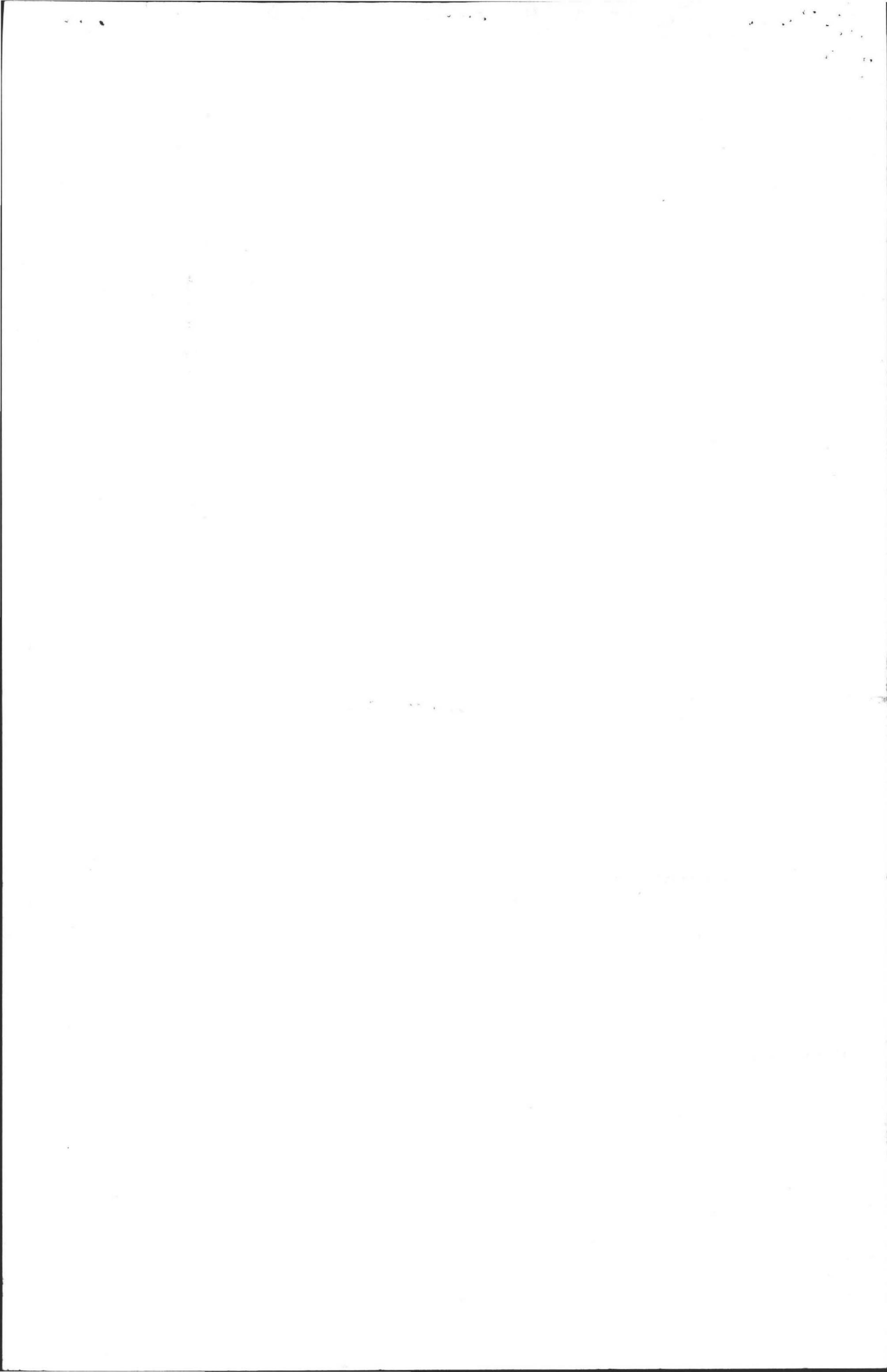
LOT #3 LEVERETT RD. AMHERST, MA.

FOR: JEFFREY WOOD

PREPARED BY: RICHARD SCOTT, P.E.

SCALE: AS SHOWN

DATE: 12-28-86



OBSERVATION PITS

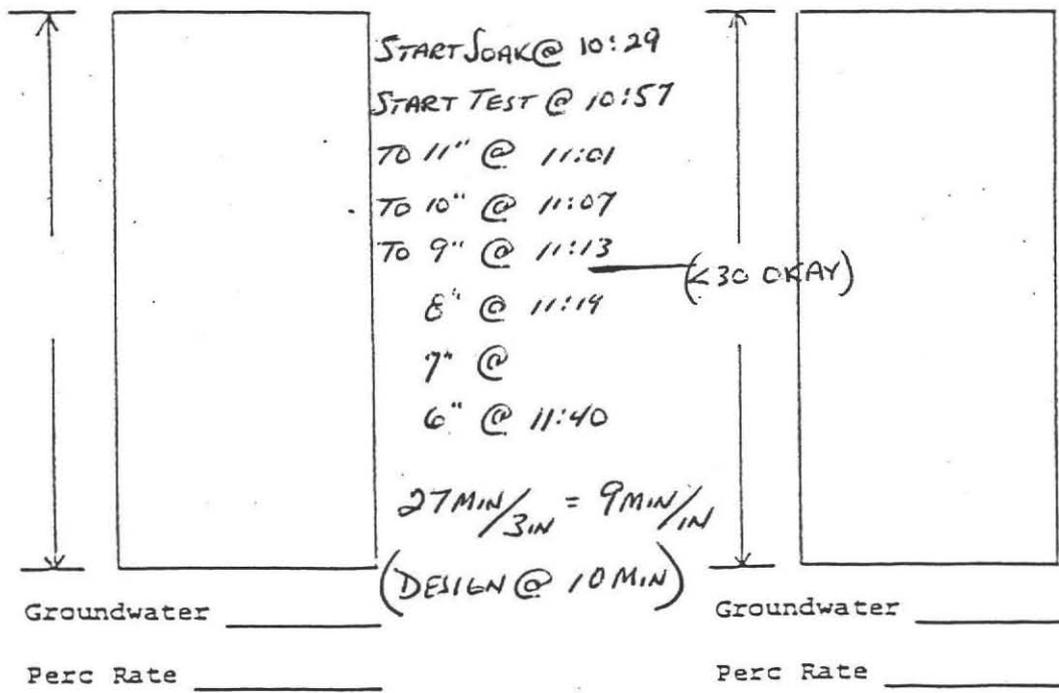
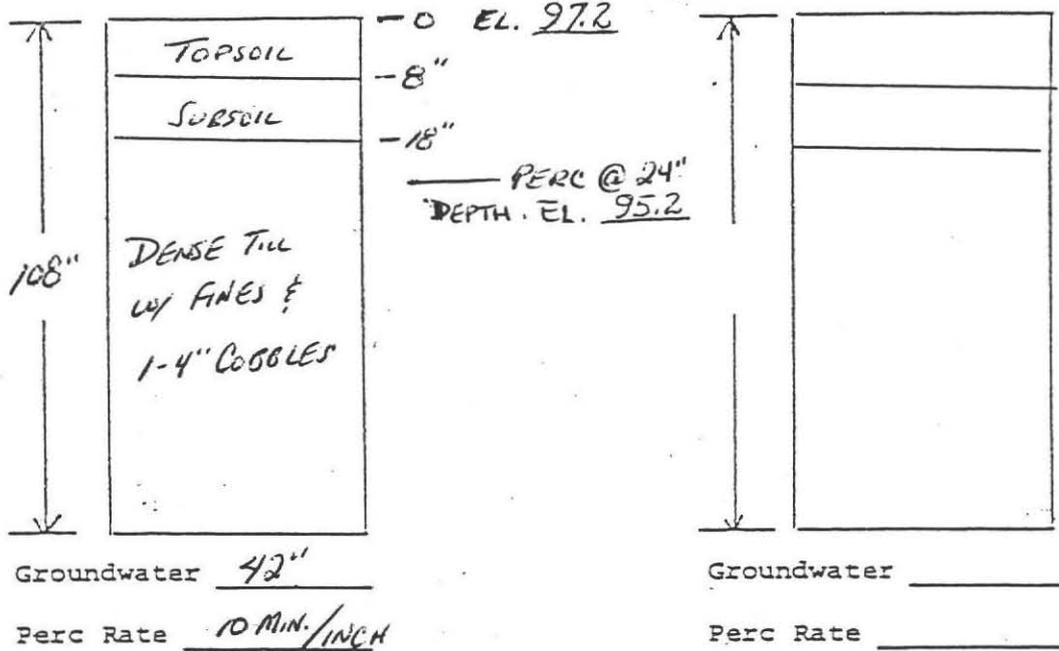
REQUESTED BY: JEFFREY WOOD

LOCATION: LOT #3
LEVERETT RD.

MAILING ADDRESS: 312 LEVERETT RD. AMHERST, MA. 01002

DATE: 12-17-86 OBSERVER: RICHARD SCOTT

WITNESS: C.E. DRAKE

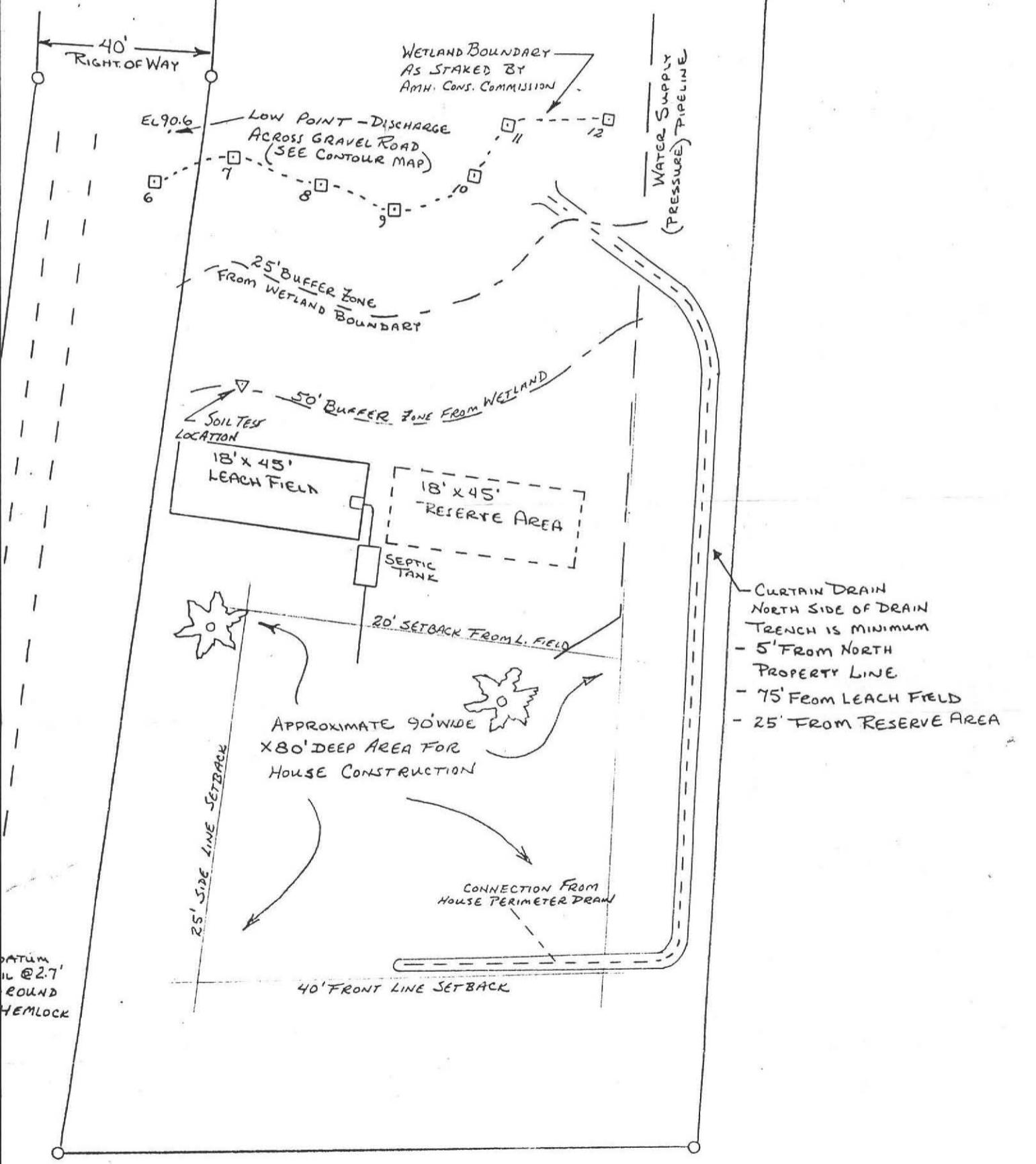


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 MAX DEPTH
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 FLEXIBLE PLASTIC
 DRAIN PIPE
 DRAIN X-SECTION
 S.



DATUM
 IL @ 2.7'
 ROUND
 HEMLOCK

LEVERETT ROAD



No.

FEE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

AUG 25 1988

Application for Disposal Works Construction Permit

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

Location - Address: LEVERETT RD, Lot #3; Owner: JEFFREY WOOD; Address: 312 LEVERETT RD, AMHERST

Type of Building: Dwelling; No. of Bedrooms: 4; Expansion Attic: (No); Garbage Grinder: (No); Other - Type of Building: ; No. of persons: ; Showers: (); Cafeteria: ()

Design Flow: 110 gallons per person per day; Total daily flow: 440 gallons; Septic Tank: Liquid capacity: 1000 gallons; Length: 8'; Width: 15'; Diameter: ; Depth: 5'; Disposal Field: No. ; Width: 18'; Total Length: 45'; Total leaching area: 810 sq. ft.

Percolation Test Results: Performed by: RICHARD SCOTT, P.E.; Date: 12-17-86; Test Pit No. 1: 10 minutes per inch; Depth of Test Pit: 108"; Depth to ground water: 42"; Test Pit No. 2: ; Depth of Test Pit: ; Depth to ground water: ;

Description of Soil: TO 8" TOPSOIL; TO 18" SUBSOIL; TO DEPTH DENSE TILL w/ FINES & 1-4" COBBLES.

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

Application Approved By

Application Disapproved for the following reasons:

Permit No. Issued

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

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

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

No.

FEE

Disposal Works Construction Permit

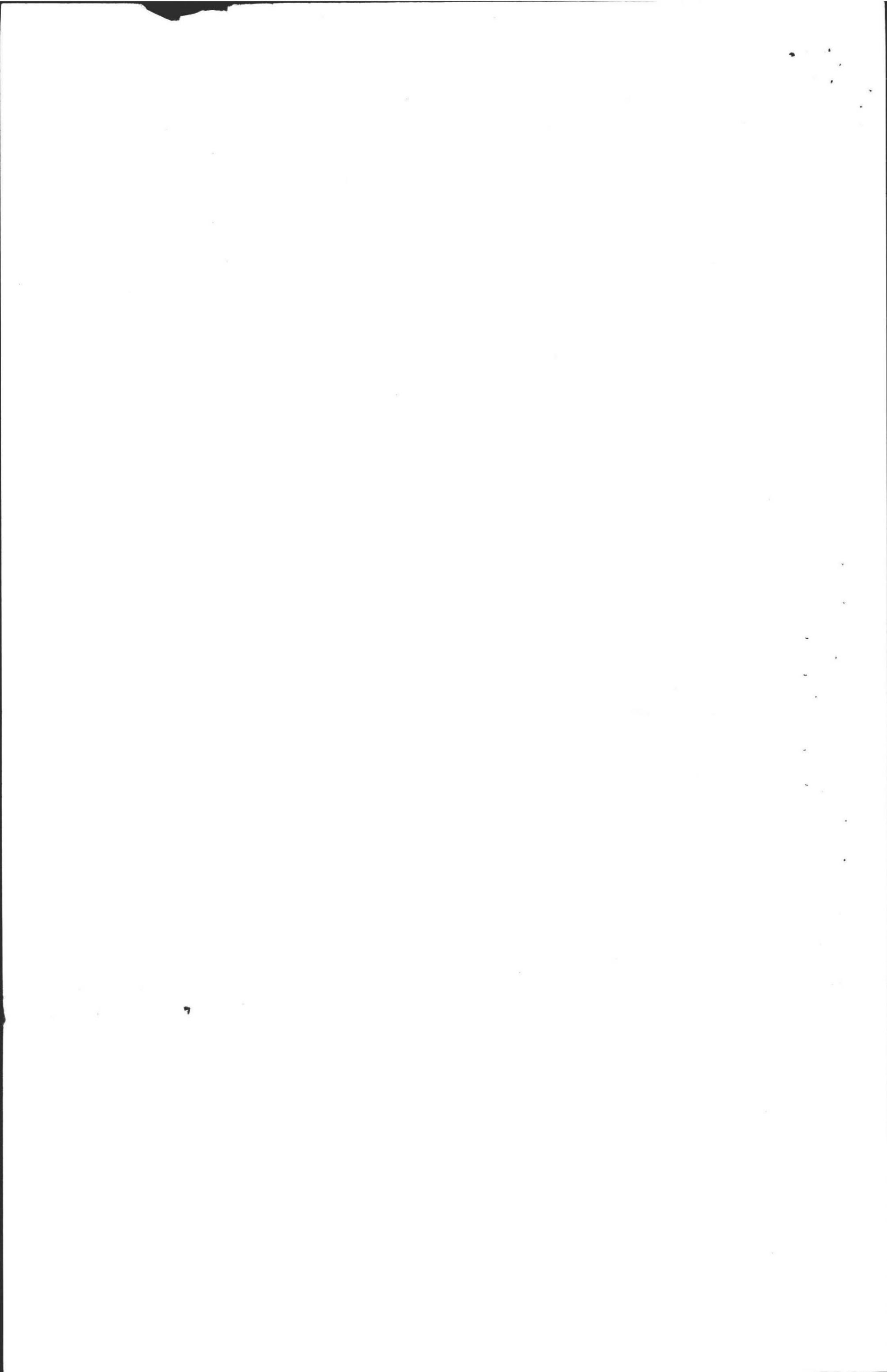
Permission is hereby granted

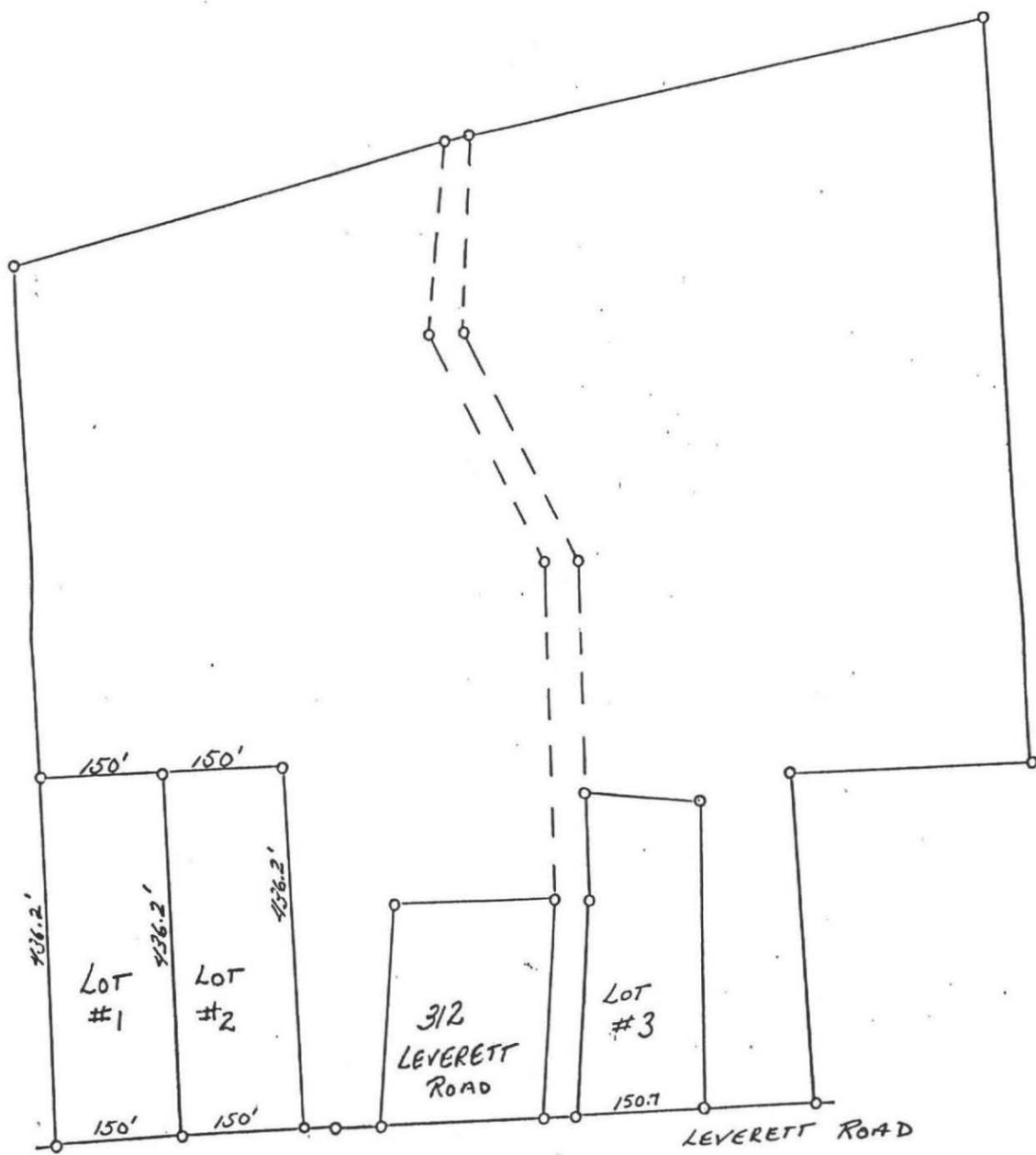
to Construct () or Repair () an Individual Sewage Disposal System at No.

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

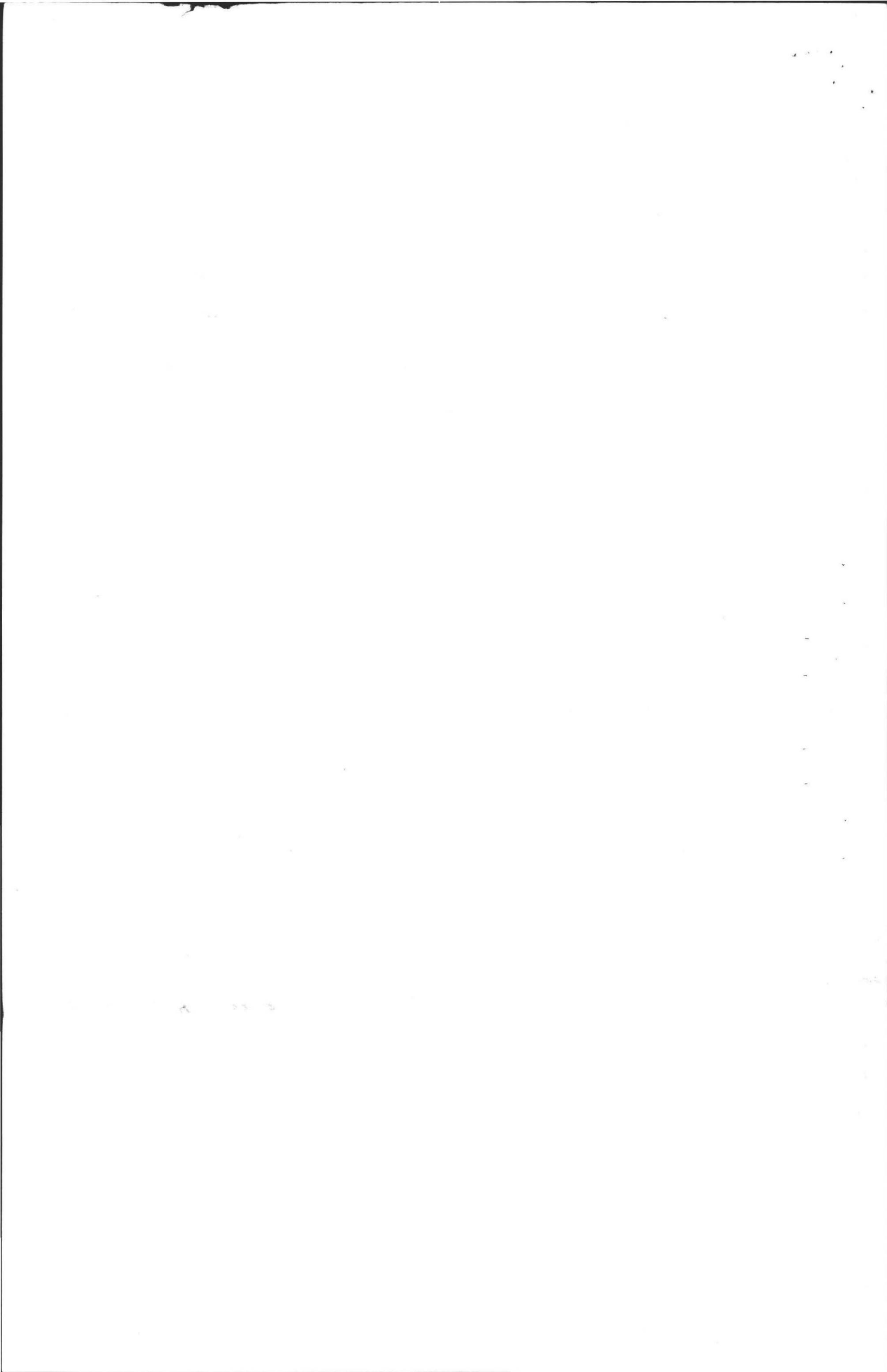
DATE

CHECK OR FILL IN WHERE APPLICABLE





PLAN OF RESIDENTIAL LOTS ON THE WEST
 SIDE OF LEVERETT RD. NEAR 312 LEVERETT RD.
 FOR: JEFFREY WOOD
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 200' DATE 12-19-86



SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

MINIMUM EFFECTIVE SEPTIC TANK VOLUME = $1.5 \times 440 = 660$ GALLONS

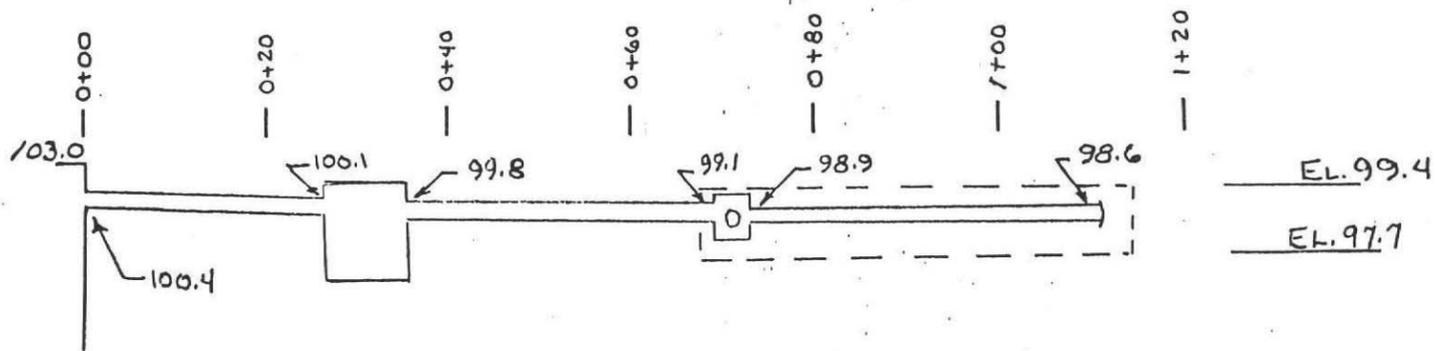
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS

PERCOLATION RATE = 10 MINUTES PER INCH → DESIGN LOADING =
= 1.8 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.

MINIMUM LEACH FIELD BOTTOM AREA = $440 \times 1.8 = 792$ SQ. FT.

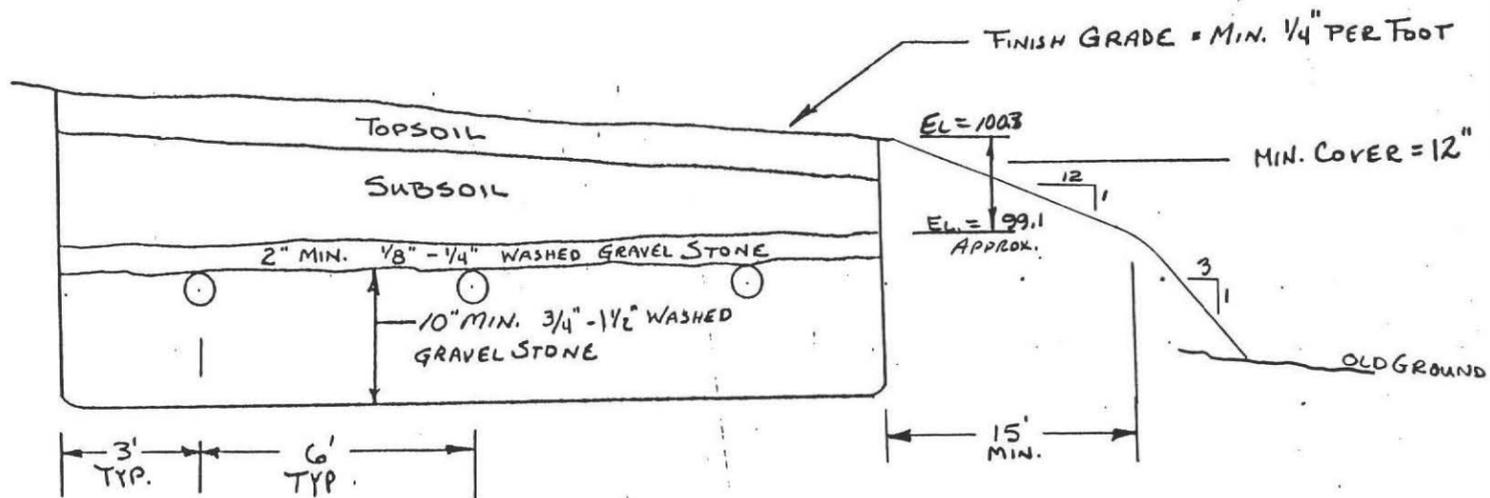
LEACH FIELD SPECIFIED FOR THIS SITE = $18' \times 45' = 810$ SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.O.E. STATE ENVIRONMENTAL CODE TITLE 5.



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW

SCALE: HORIZ: 1" = 20' VERT: N.T.S.



BREAKOUT CALCULATION:

MAINTAIN 1:12 SLOPE MINIMUM 15' FROM EDGES OF FIELD THEN 1:3 SLOPE TO OLD GROUND

DISTANCE TO BREAKOUT = $1.2' \Delta \text{ELEVATION} \times 1:12 = 14.4'$
MINIMUM REQUIRED DISTANCE = $150 \div 12 = 12.5'$

18' X 45' LEACH FIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 135 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. 1005' PER FT. ALL PIPE ENDS TO BE CAPPED

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW

SCALE: HORIZ: 1" = 4' VERT: N.T.S.

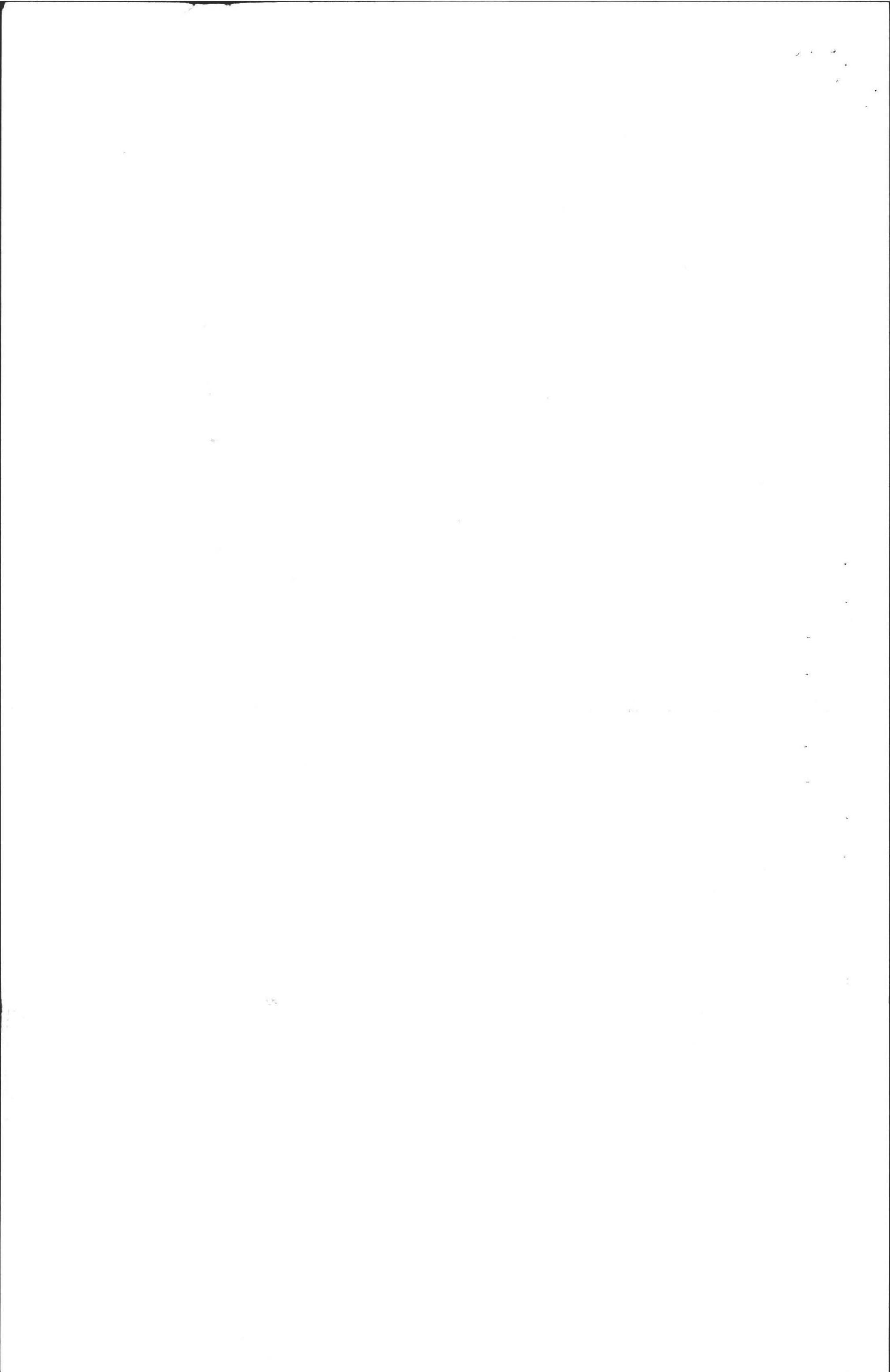
PROPOSED SEPTIC SYSTEM DESIGN
LOT # 3 LEVERETT RD. AMHERST, MA.

FOR: JEFFREY WOOD

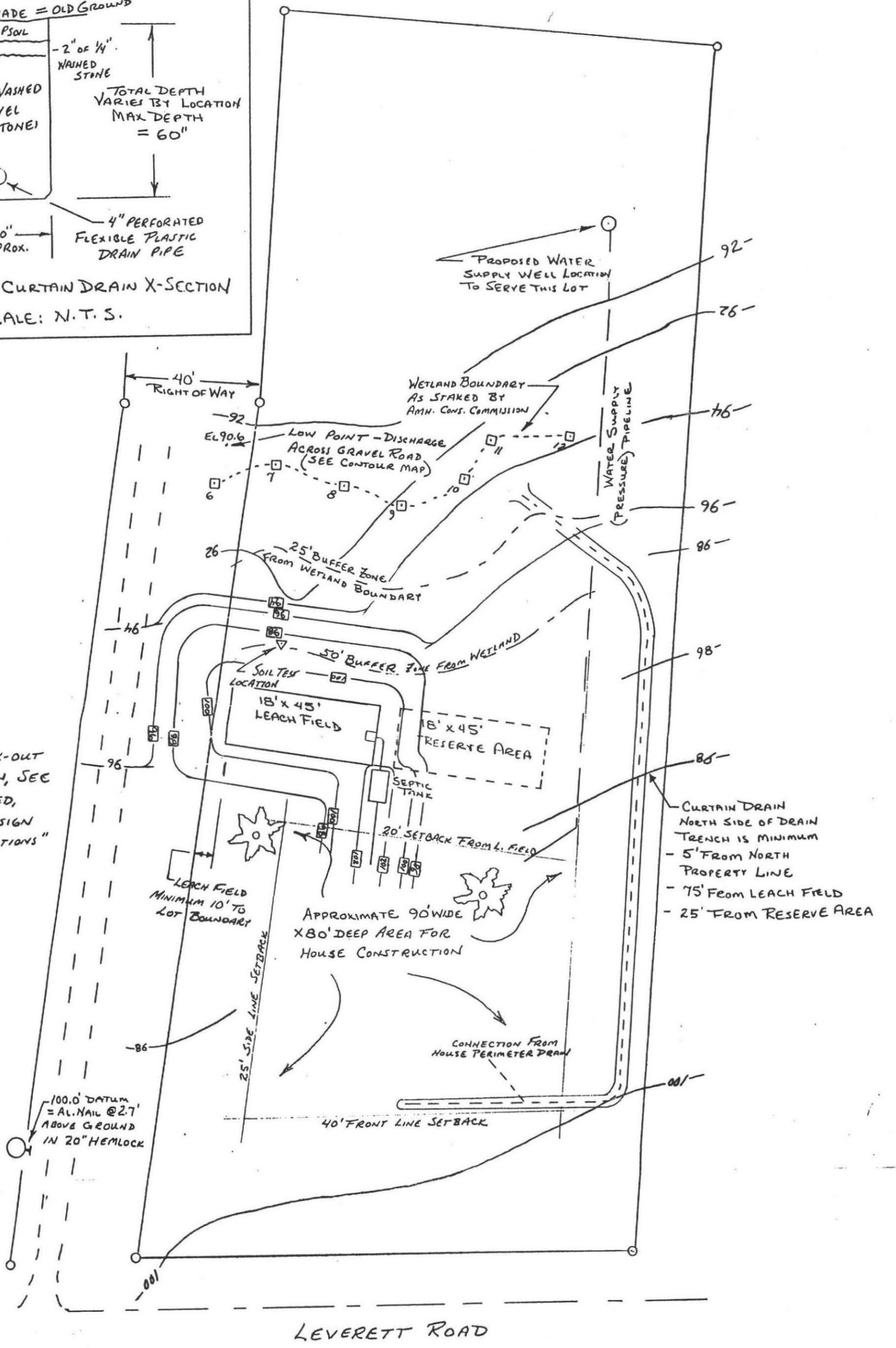
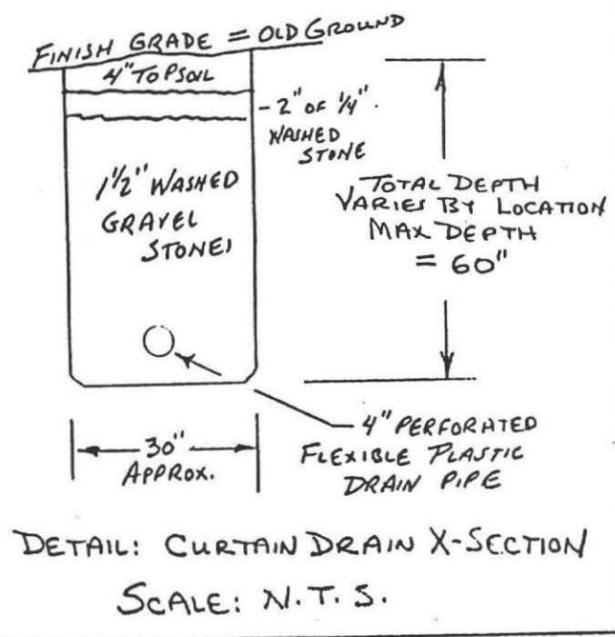
PREPARED BY: RICHARD SCOTT, P.E.

SCALE: AS SHOWN

DATE: 12-28-86 (ADDED BREAK-OUT)
REVISED: 8-24-88



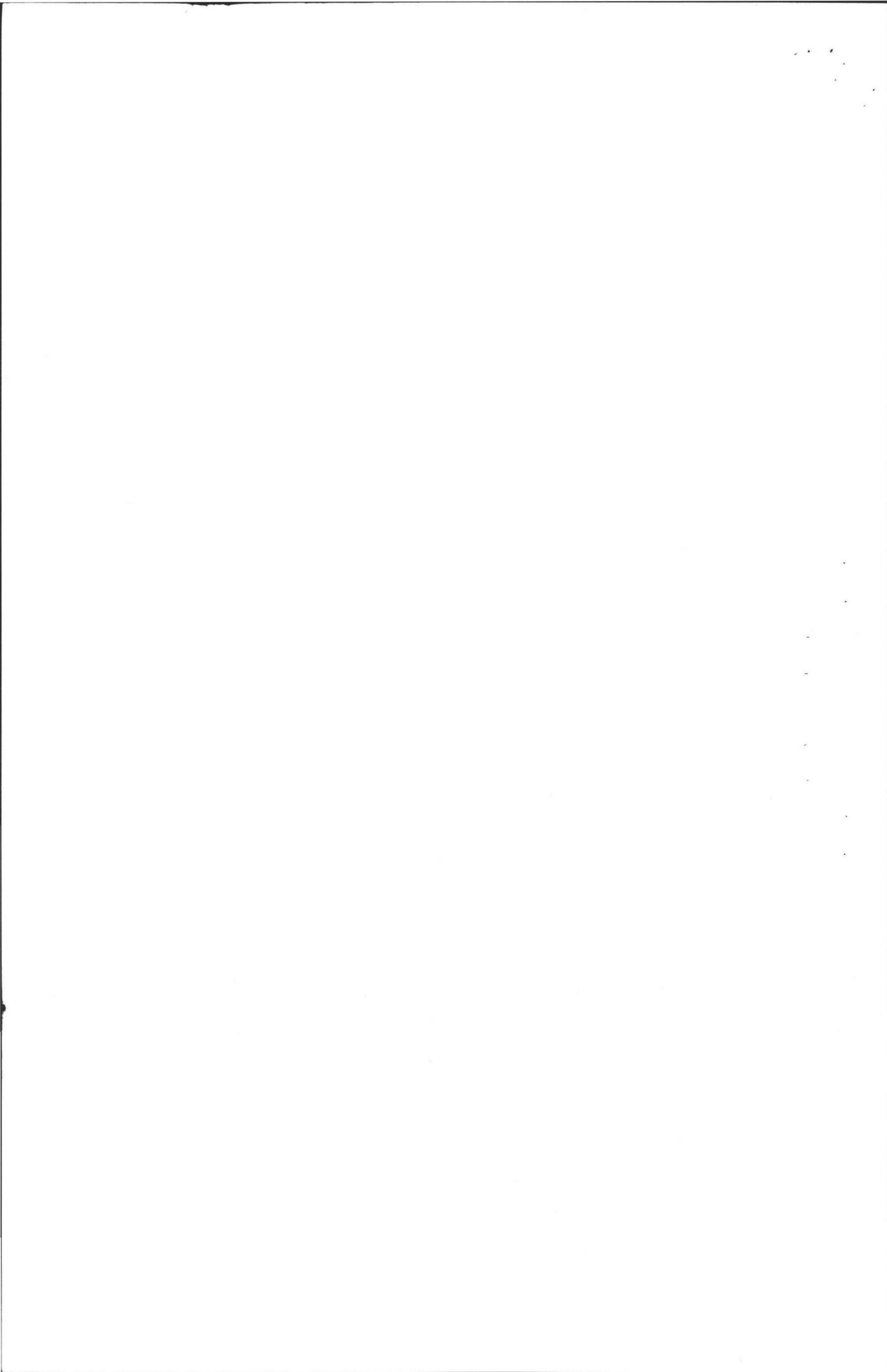
— 98 — EXISTING CONTOURS
 [98] PROPOSED FINISH CONTOURS



NOTE:
 FOR BREAK-OUT CALCULATION, SEE SHEET TITLED, "SYSTEM DESIGN CALCULATIONS"



PLAN OF PROPOSED CONSTRUCTION
 LOT #3 LEVERETT RD. AMHERST, MA.
 NOTICE OF INTENT DOCUMENT A
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 30' DATE 7-30-87
 REVISED 10-12-87 (RE-ORIENTED FIELD)



No.

FEE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

AUG 25 1988

TOWN OF AMHERST

Application for Disposal Works Construction Permit

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

Location - Address: LEVERETT RD. Lot #3
Owner: JEFFREY WOOD or Lot No. 312 LEVERETT RD. AMHERST
Address

Installer:
Address:
Type of Building:
Size Lot: Sq. feet

Dwelling - No. of Bedrooms: 4 Expansion Attic (No) Garbage Grinder (No)
Other - Type of Building: No. of persons: Showers () - Cafeteria ()
Other fixtures:

Design Flow: 110 gallons per person per day. Total daily flow: 440 gallons.

Septic Tank - Liquid capacity: 1000 gallons Length: 8' Width: 5' Diameter: Depth: 5'
Disposal Field - No. Width: 18' Total Length: 45' Total leaching area: 810 sq. ft.

Scepage Pit No. Diameter: Depth below inlet: Total leaching area: sq. ft.
Other Distribution box (Yes) Dosing tank (No)

Percolation Test Results Performed by: RICHARD SCOTT, P.E. Date: 12-17-86
Test Pit No. 1: 10 minutes per inch Depth of Test Pit: 108" Depth to ground water: 42"
Test Pit No. 2: minutes per inch Depth of Test Pit: Depth to ground water:

Description of Soil: To 8" TOPSOIL; TO 18" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1-4" COBBLES.

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: Date:

Application Approved By: Date:

Application Disapproved for the following reasons: Date:

Permit No. Issued: Date:

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

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

No.

FEE

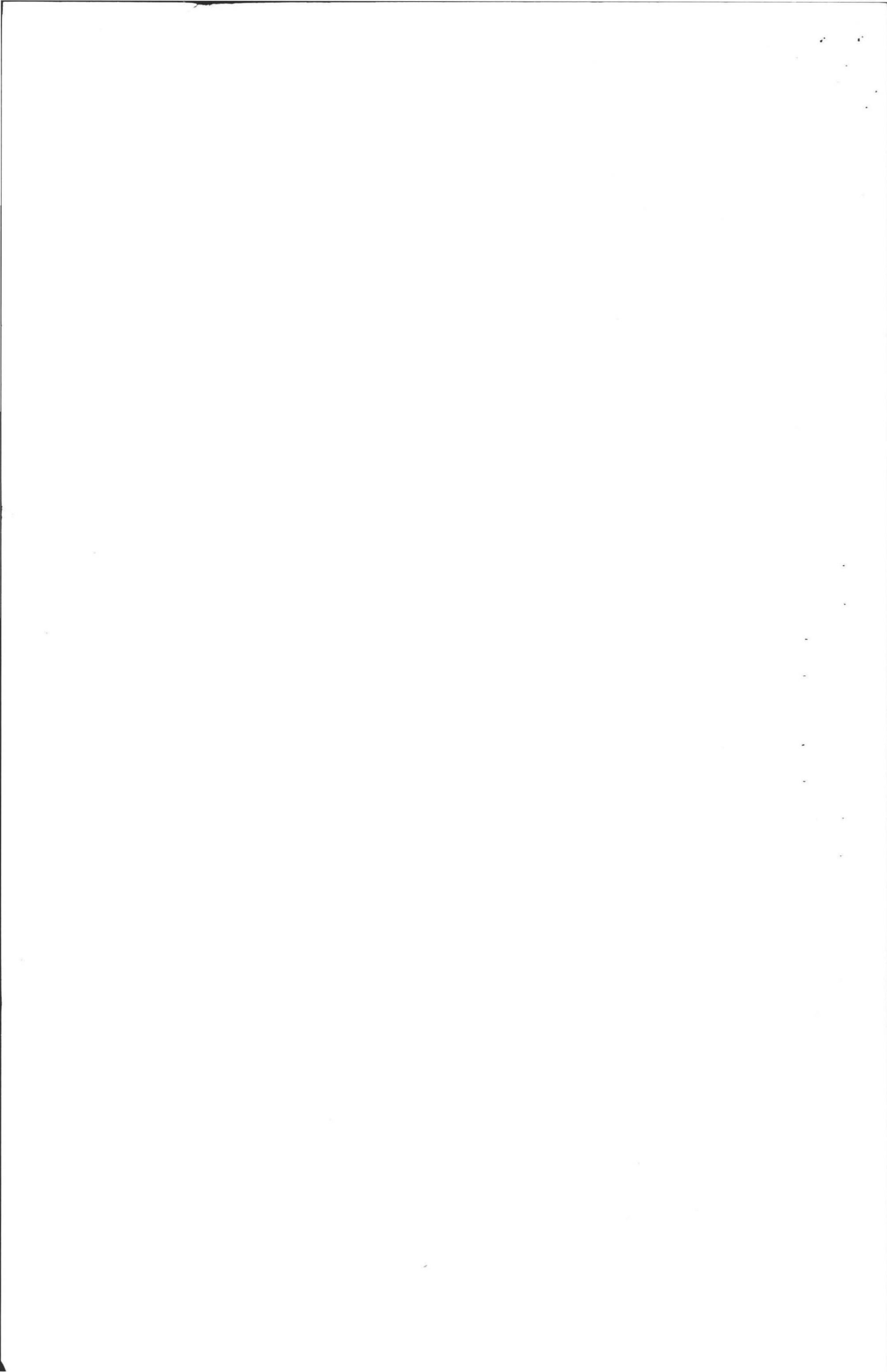
Disposal Works Construction Permit

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

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

DATE: Board of Health

CHECK OR FILL IN WHERE APPLICABLE



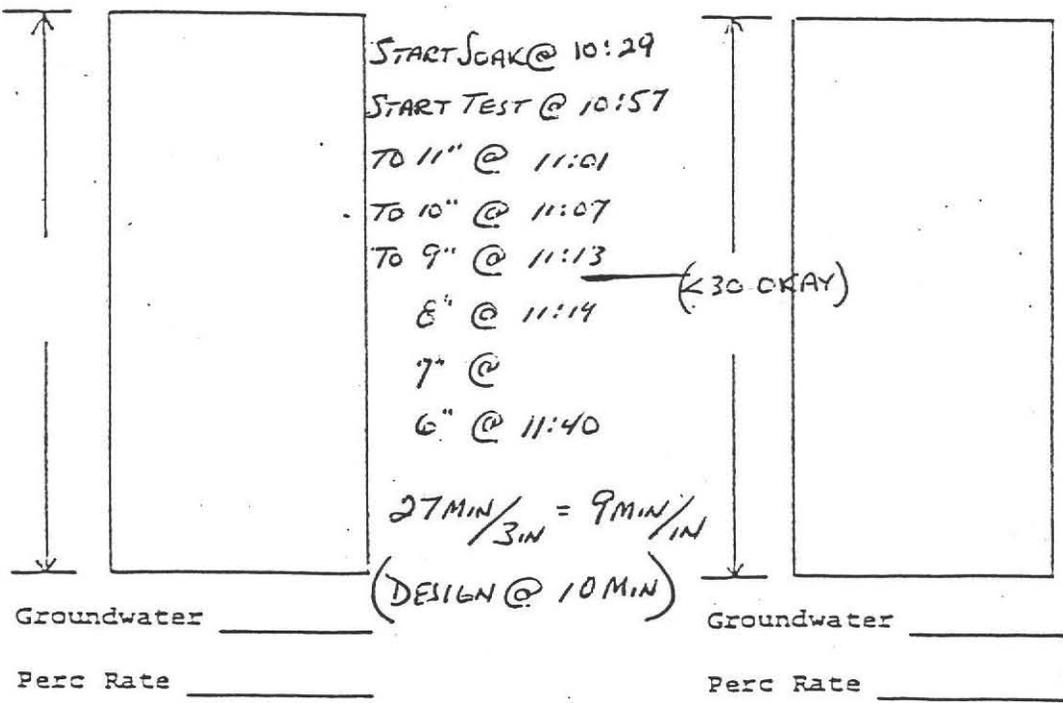
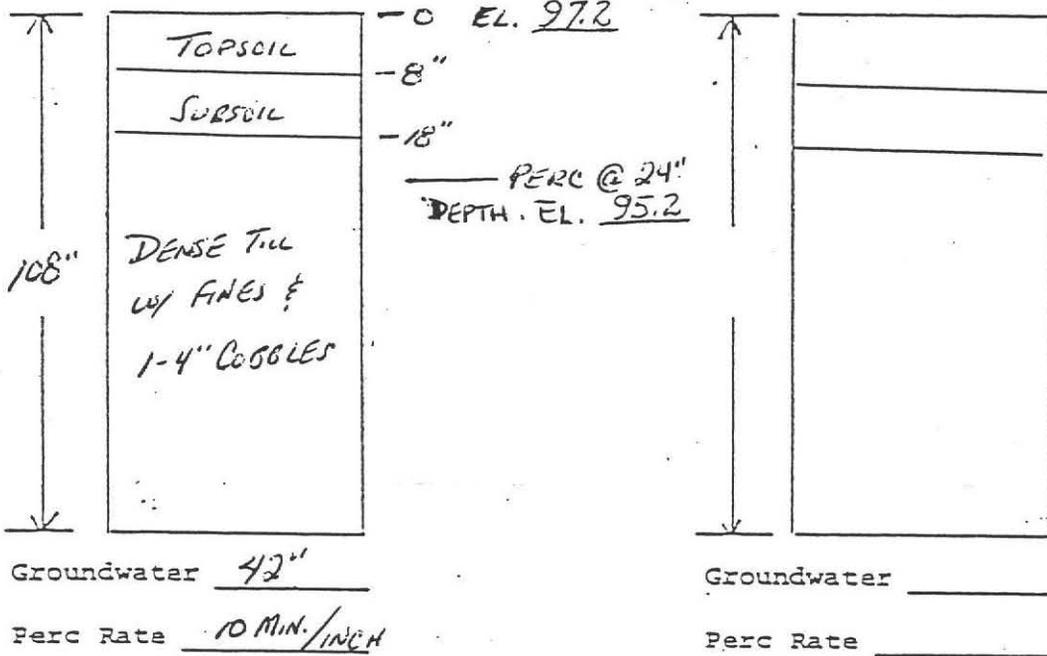
OBSERVATION PITS

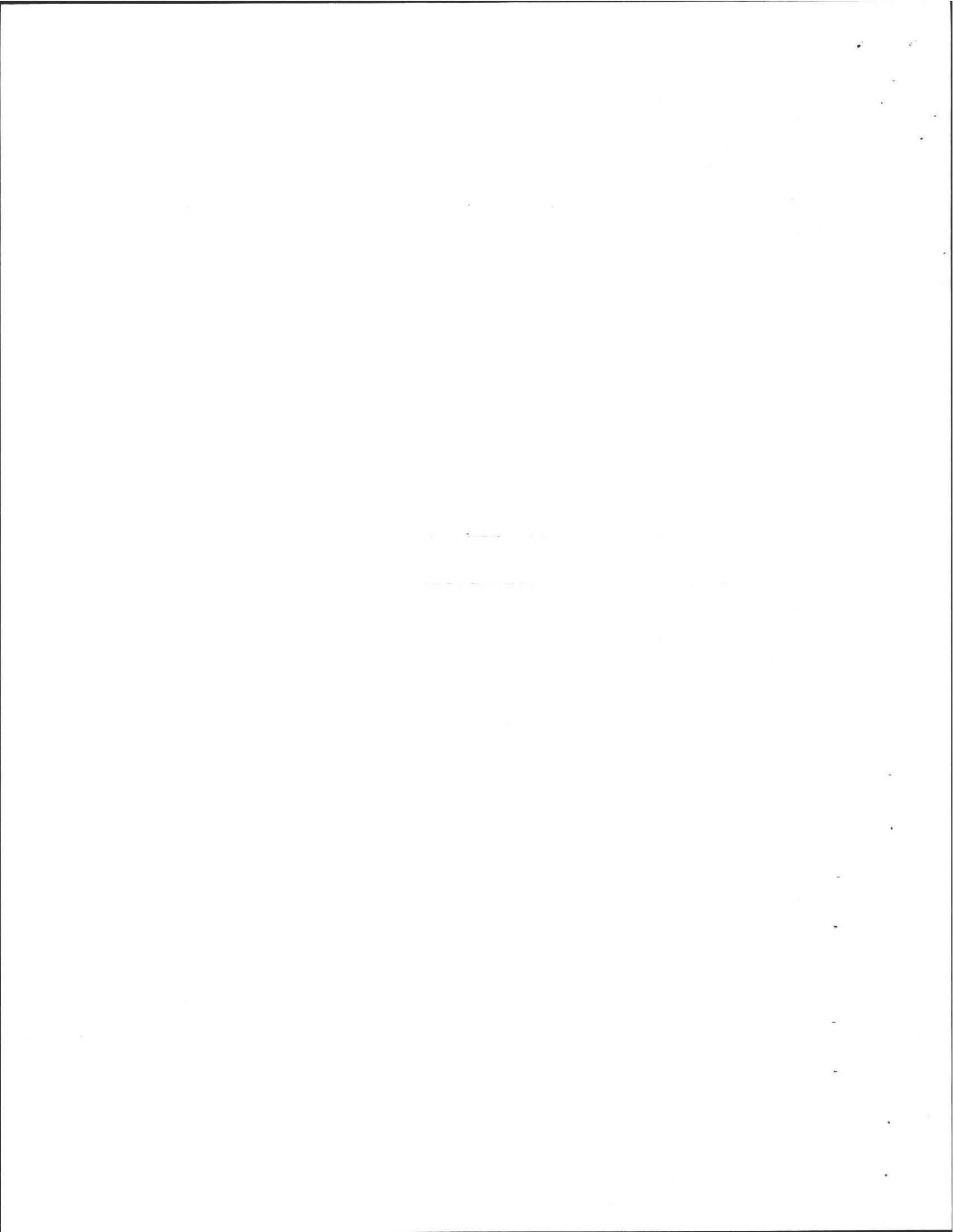
REQUESTED BY: JEFFREY WOOD

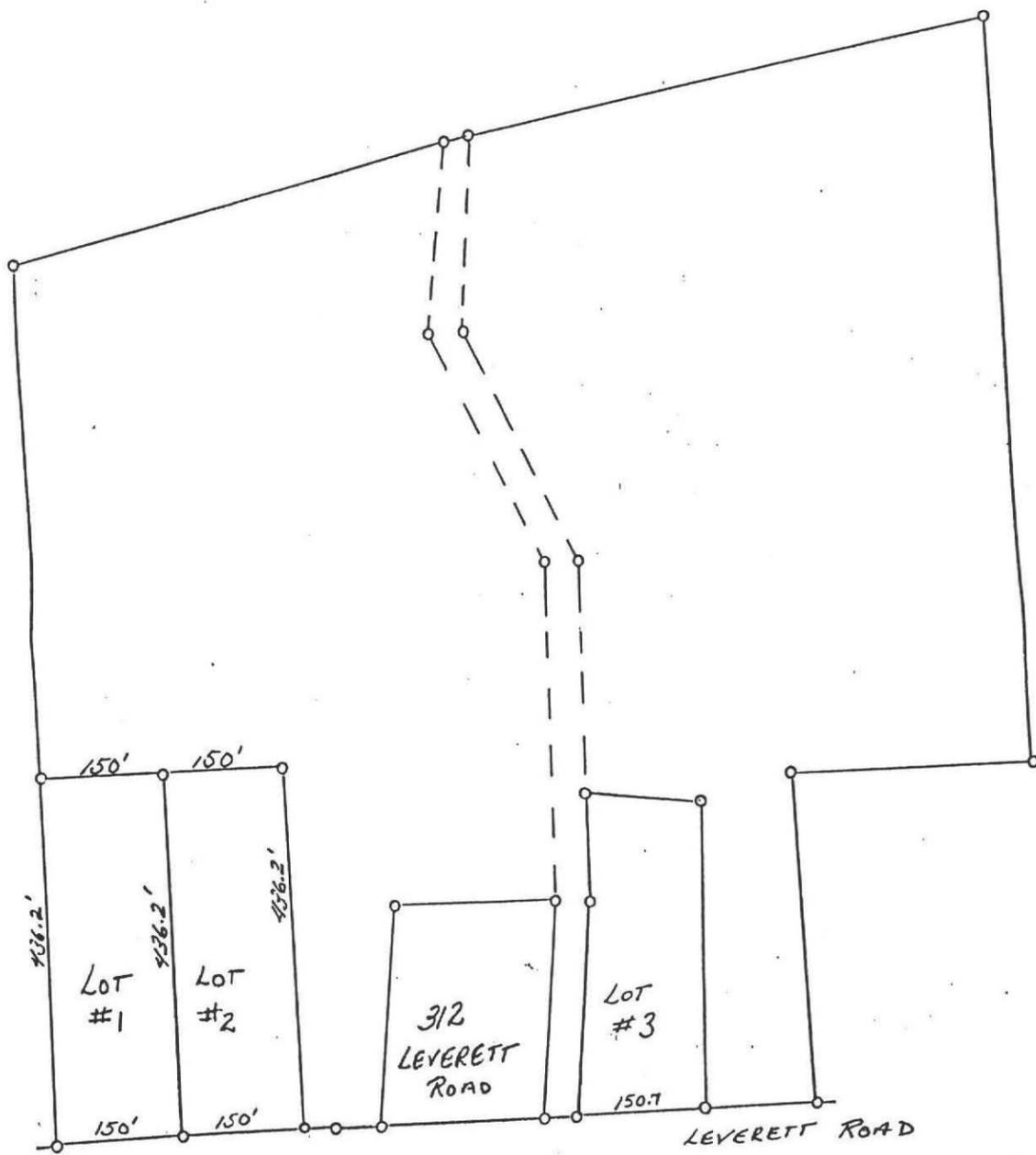
LOCATION: LOT #3
LEVERETT RD.

MAILING ADDRESS: 312 LEVERETT RD. AMHERST, MA. 01002

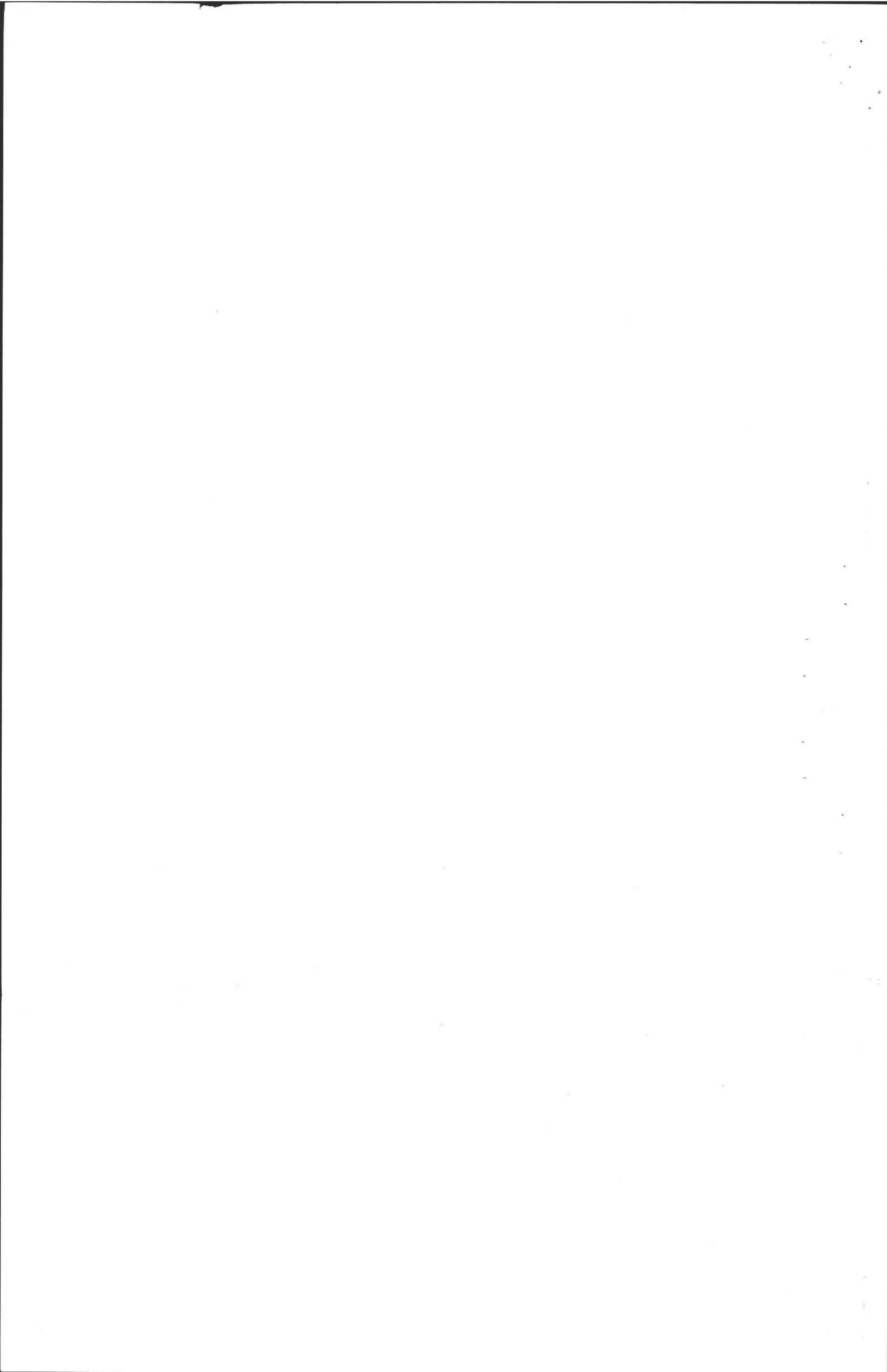
DATE: 12-17-86 OBSERVER: RICHARD SCOTT
WITNESS: C.E. DRAKE







PLAN OF RESIDENTIAL LOTS ON THE WEST
 SIDE OF LEVERETT RD. NEAR 312 LEVERETT RD.
 FOR: JEFFREY WOOD
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 200' DATE 12-19-86



SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

MINIMUM EFFECTIVE SEPTIC TANK VOLUME = $1.5 \times 440 = 660$ GALLONS

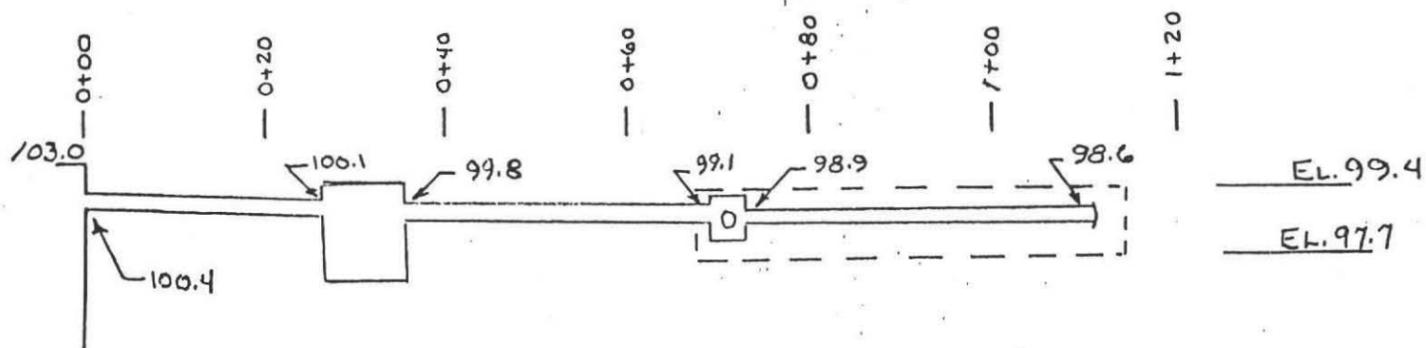
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS

PERCOLATION RATE = 10 MINUTES PER INCH \rightarrow DESIGN LOADING =
= 1.8 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.

MINIMUM LEACH FIELD BOTTOM AREA = $440 \times 1.8 = 792$ SQ. FT.

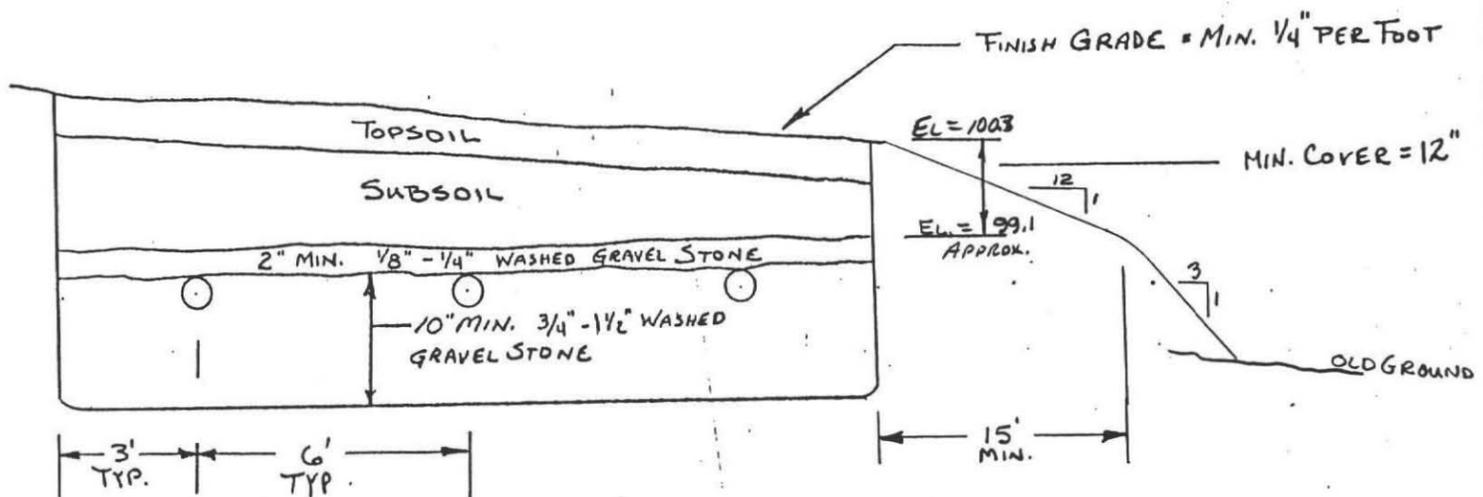
LEACH FIELD SPECIFIED FOR THIS SITE = $18' \times 45' = 810$ SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.O.E. STATE ENVIRONMENTAL CODE TITLE 5.



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW

SCALE: HORIZ: 1" = 20' VERT: N.T.S.



BREAKOUT CALCULATION:

MAINTAIN 1:12 SLOPE MINIMUM 15' FROM EDGES OF FIELD THEN 1:3 SLOPE TO OLD GROUND

DISTANCE TO BREAKOUT = $1.2' \Delta \text{ELEVATION} \times 1:12 = 14.4'$
MINIMUM REQUIRED DISTANCE = $150 \div 12 = 12.5'$

18' X 45' LEACHFIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 135 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. 1.005' PER FT. ALL OPEN ENDS TO BE CAPPED

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW

SCALE: HORIZ: 1" = 4' VERT: N.T.S.

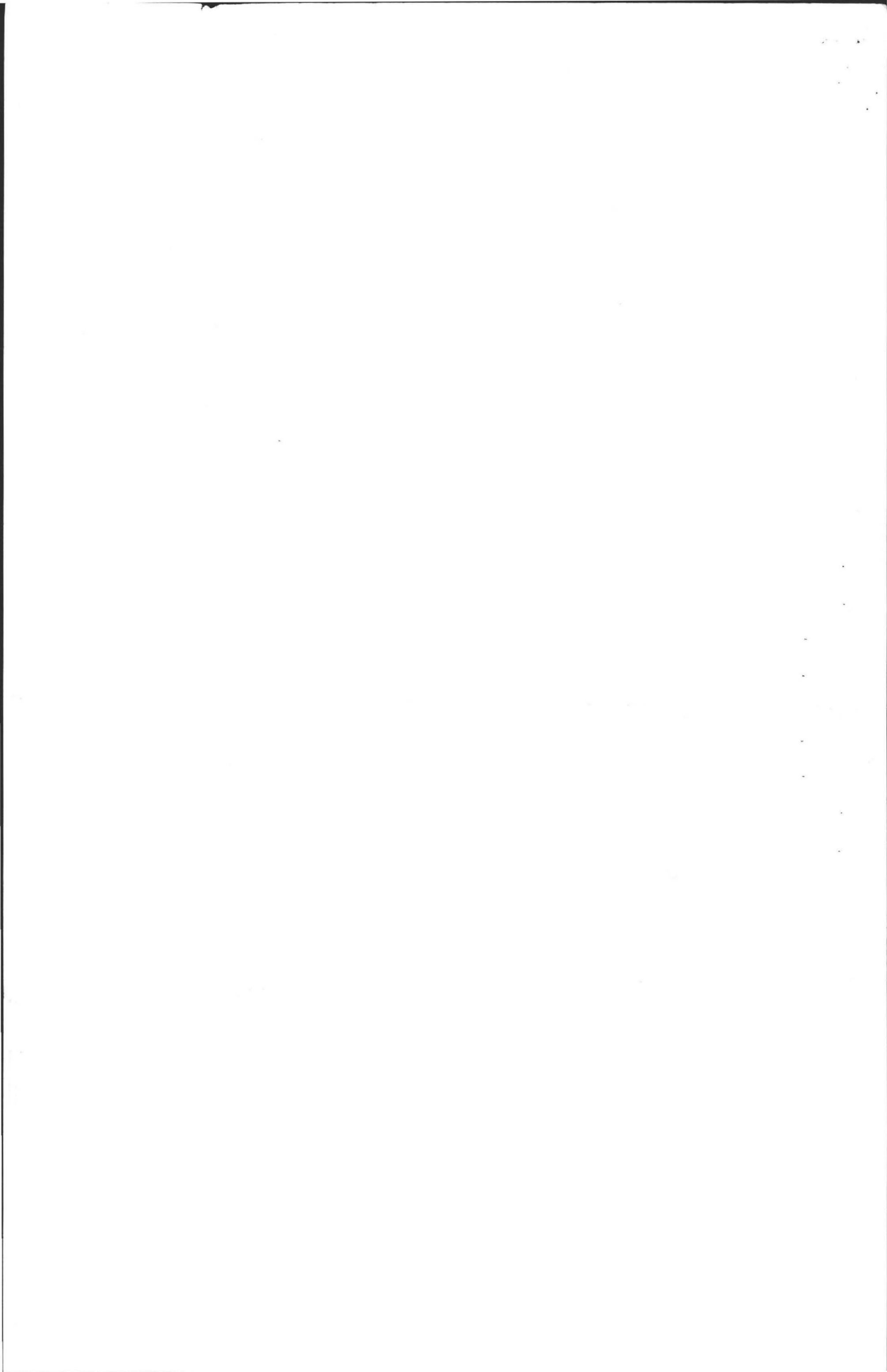
PROPOSED SEPTIC SYSTEM DESIGN
LOT #3 LEVERETT RD. AMHERST, MA.

FOR: JEFFREY WOOD

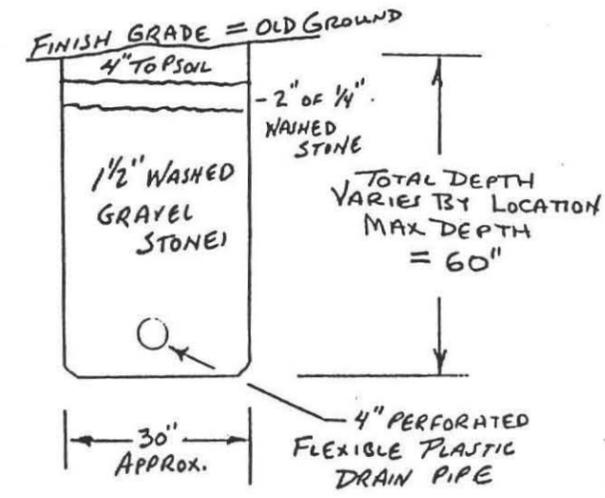
PREPARED BY: RICHARD SCOTT, P.E.

SCALE: AS SHOWN

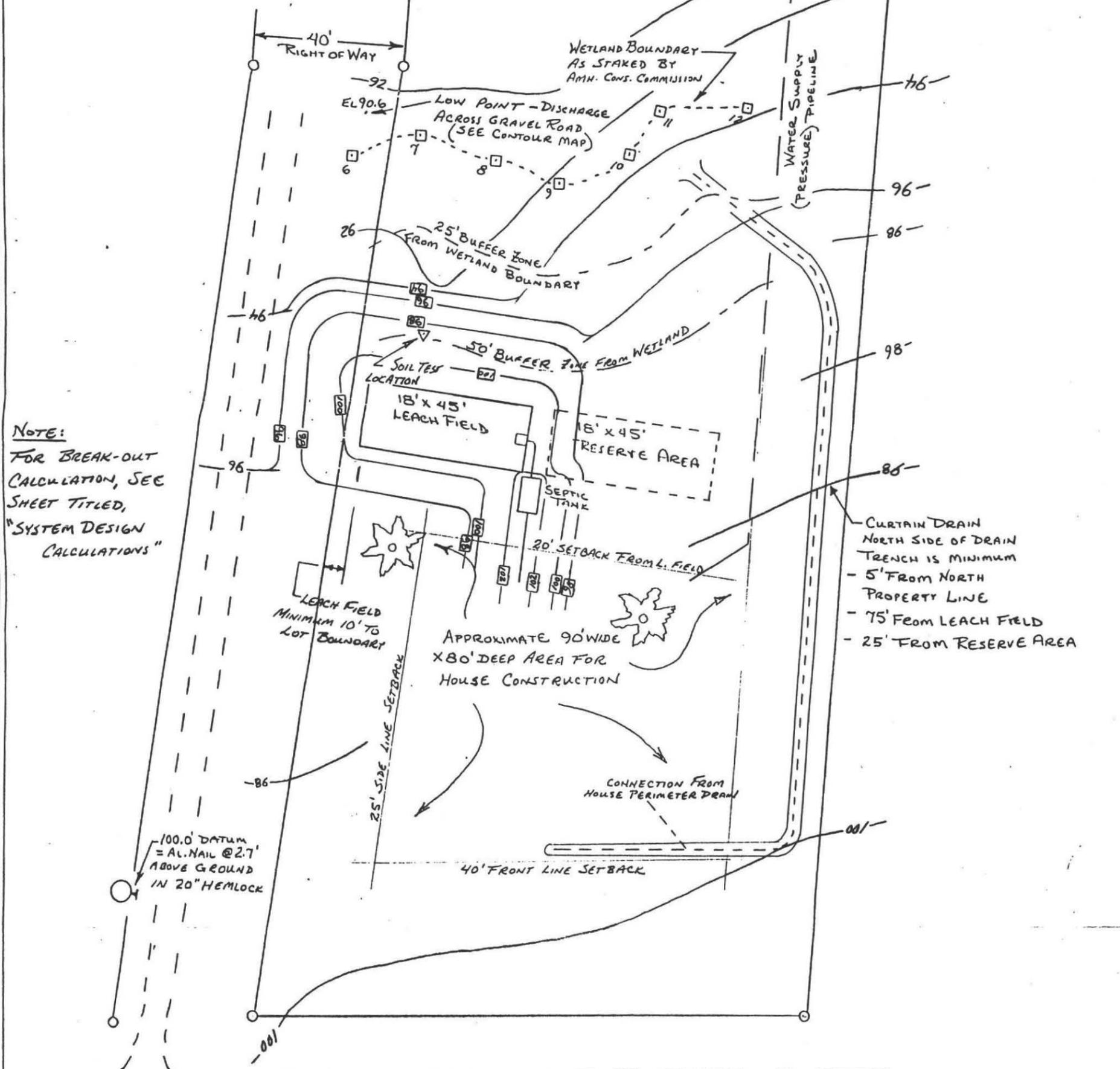
DATE: 12-28-86
REVISED: 8-24-88 (ADDED BREAK-OUT)



— 98 — EXISTING CONTOURS
 [98] PROPOSED FINISH CONTOURS



DETAIL: CURTAIN DRAIN X-SECTION
 SCALE: N.T.S.



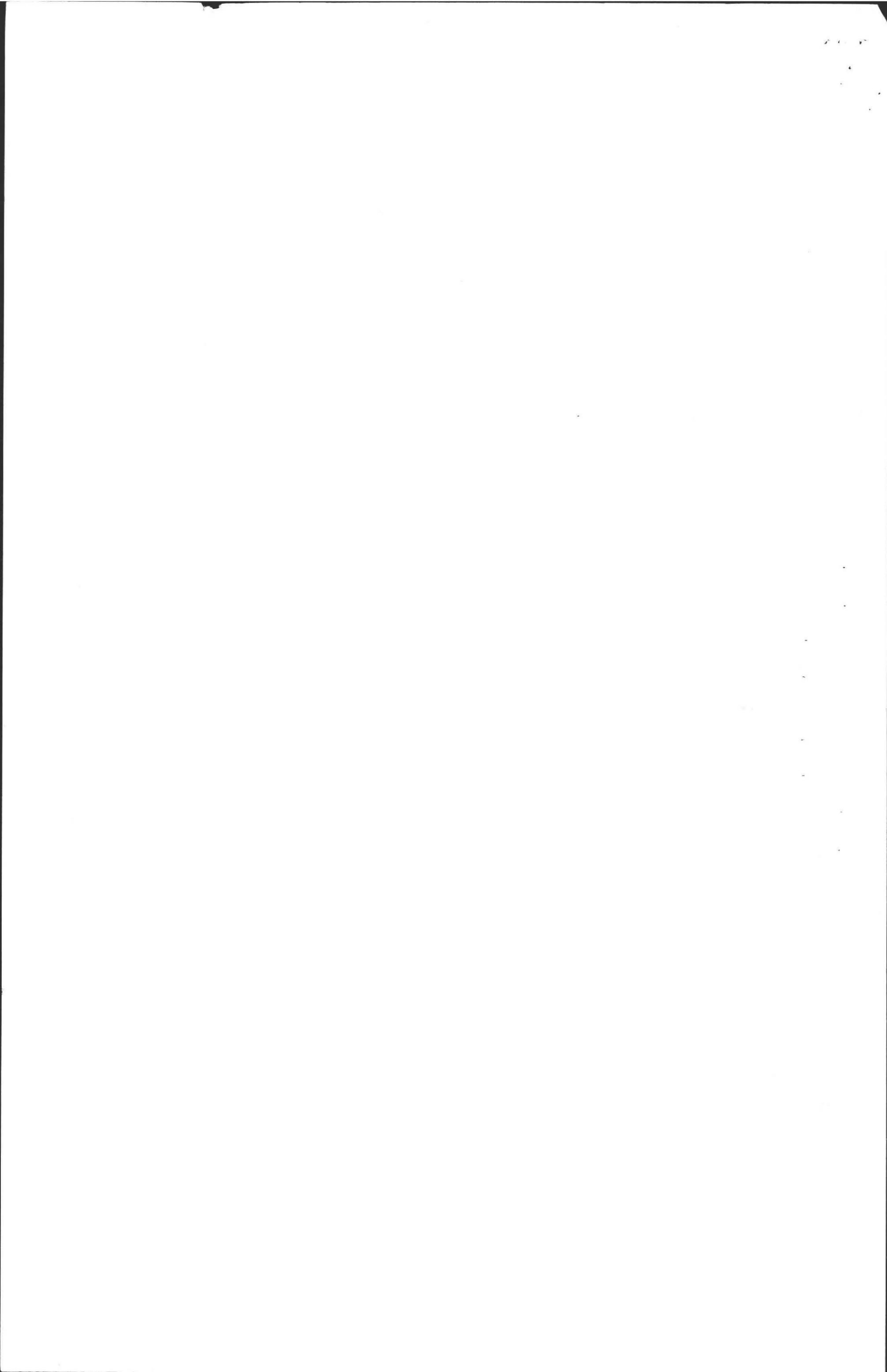
NOTE:
 FOR BREAK-OUT
 CALCULATION, SEE
 SHEET TITLED,
 "SYSTEM DESIGN
 CALCULATIONS"

CURTAIN DRAIN
 NORTH SIDE OF DRAIN
 TRENCH IS MINIMUM
 - 5' FROM NORTH
 PROPERTY LINE
 - 75' FROM LEACH FIELD
 - 25' FROM RESERVE AREA



LEVERETT ROAD

PLAN OF PROPOSED CONSTRUCTION
 LOT #3 LEVERETT RD. AMHERST, MA.
 NOTICE OF INTENT DOCUMENT A
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 30' DATE 7-30-87
 REVISED 10-12-87 (RE-ORIENTED FIELD)



OBSERVATION PITS

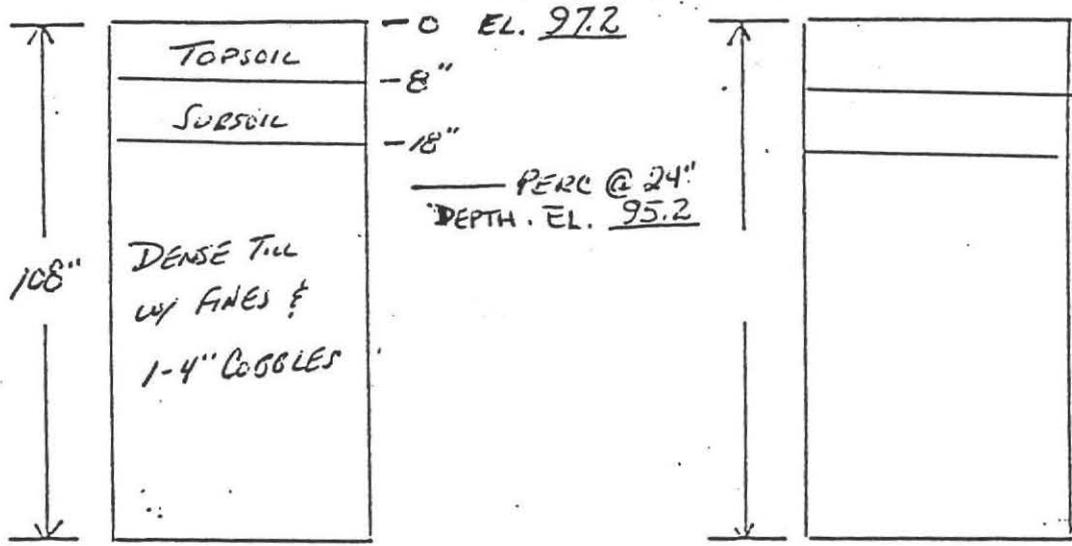
REQUESTED BY: JEFFREY WOOD

LOCATION: LOT #3
LEVERETT RD.

MAILING ADDRESS: 312 LEVERETT RD. AMHERST, MA. 01002

DATE: 12-17-86 OBSERVER: RICHARD SCOTT

WITNESS: C.E. DRAKE

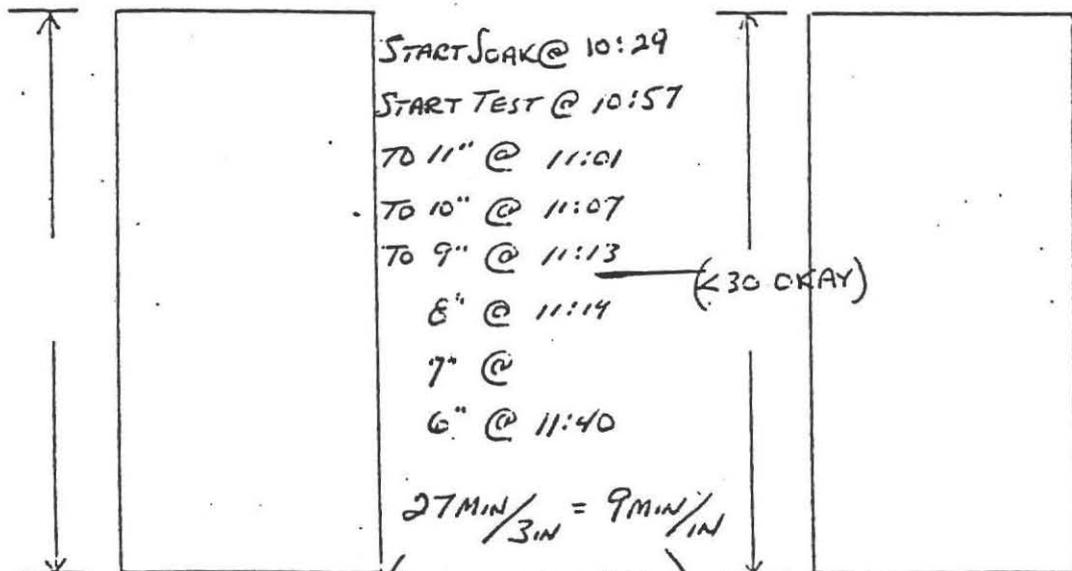


Groundwater 42"

Perc Rate 10 MIN./INCH

Groundwater _____

Perc Rate _____

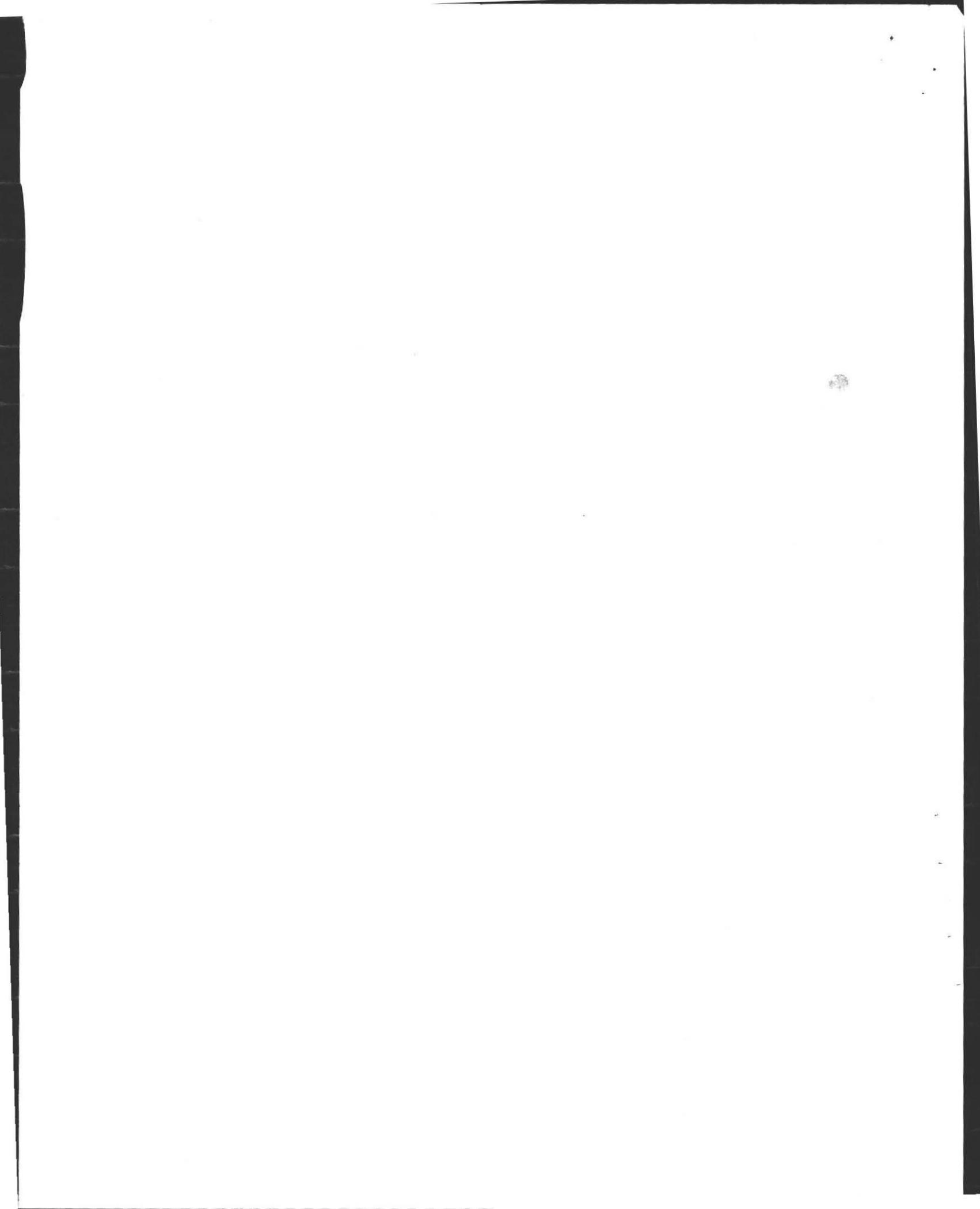


Groundwater _____

Perc Rate _____

Groundwater _____

Perc Rate _____



No.

FEE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

AUG 25 1988

Application for Disposal Works Construction Permit

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

Location - Address: LEVERETT RD, Lot #3; Owner: JEFFREY WOOD; Address: 312 LEVERETT RD, AMHERST

Type of Building: Dwelling; No. of Bedrooms: 4; Expansion Attic: (No); Garbage Grinder: (No); Other - Type of Building: ; No. of persons: ; Showers: () - Cafeteria: ()

Design Flow: 110 gallons per person per day; Total daily flow: 440 gallons; Septic Tank: Liquid capacity: 1000 gallons; Length: 8'; Width: 15'; Diameter: ; Depth: 5'; Disposal Field: No. ; Width: 18'; Total Length: 45'; Total leaching area: 810 sq. ft.

Percolation Test Results: Performed by: RICHARD SCOTT, P.E.; Date: 12-17-86; Test Pit No. 1: 10 minutes per inch; Depth of Test Pit: 108"; Depth to ground water: 42"; Test Pit No. 2: ; Depth of Test Pit: ; Depth to ground water: ;

Description of Soil: TO 8" TOPSOIL; TO 18" SUBSOIL; TO DEPTH DENSE TILL W/ FINES & 1-4" COBBLES.

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: ; Date: ; Application Approved By: ; Date: ; Application Disapproved for the following reasons: ; Date: ; Permit No.: ; Issued: ; Date: ;

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

OF

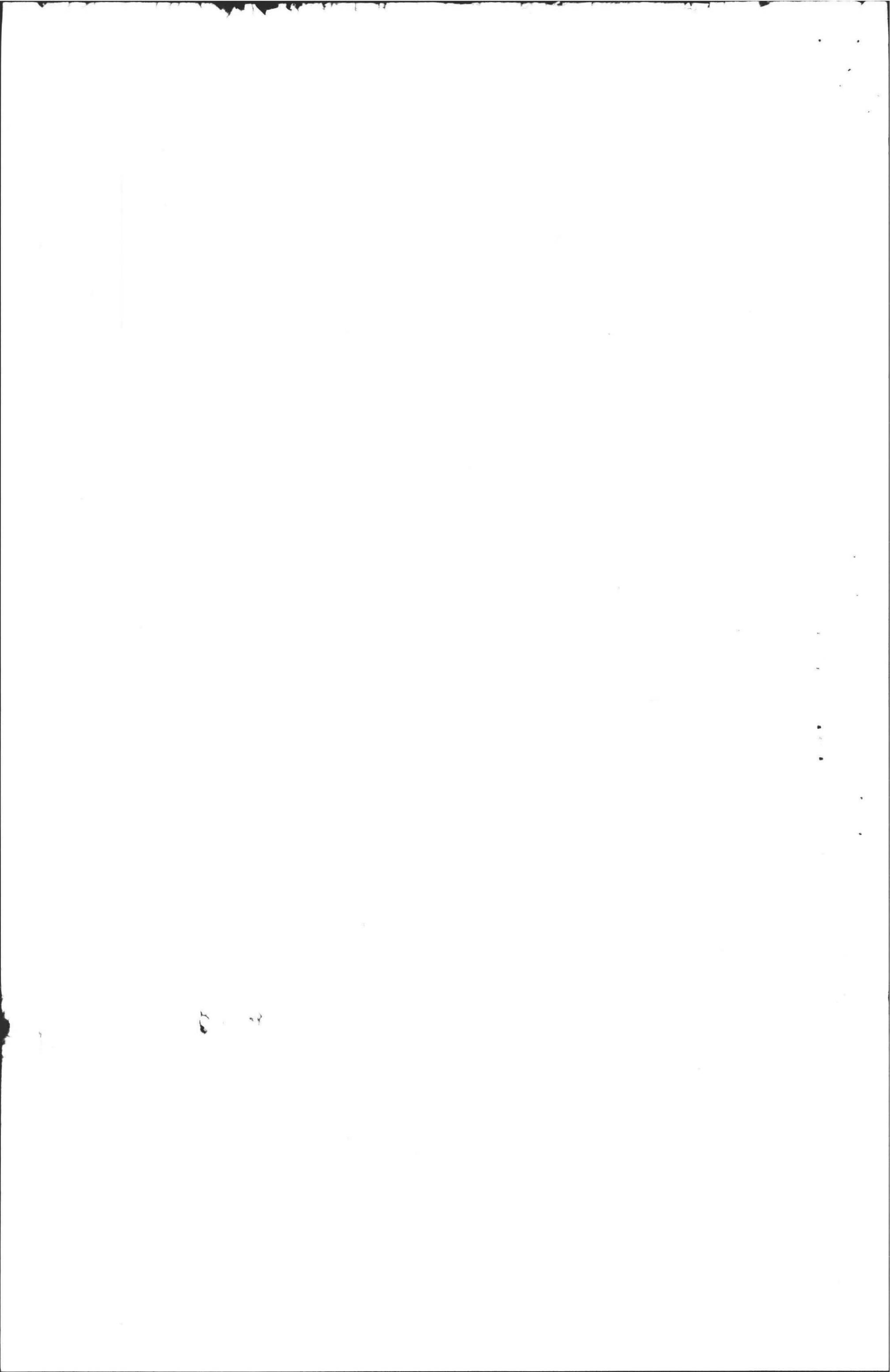
Disposal Works Construction Permit

Permission is hereby granted to Construct () or Repair () an Individual Sewage Disposal System at No. ; Street: ;

as shown on the application for Disposal Works Construction Permit No. ; Dated: ;

DATE: ; Board of Health: ;

CHECK OR FILL IN WHERE APPLICABLE



OBSERVATION PITS

REQUESTED BY: JEFFREY WOOD

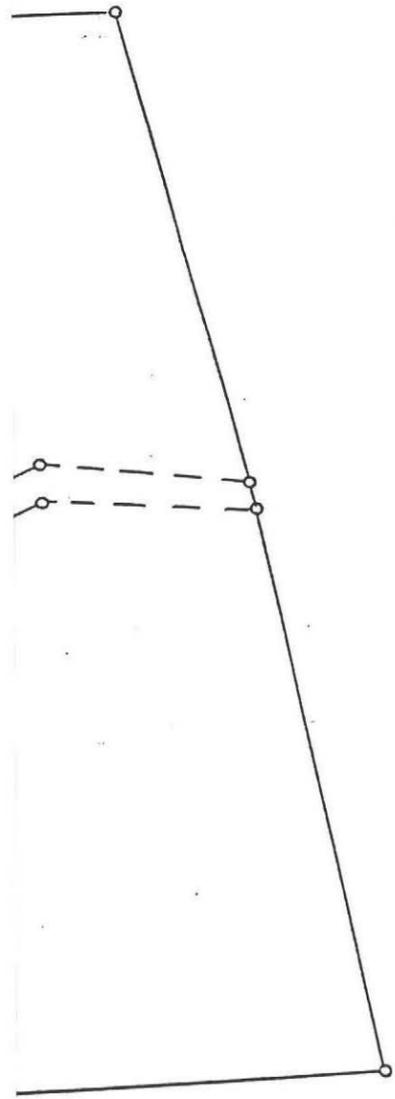
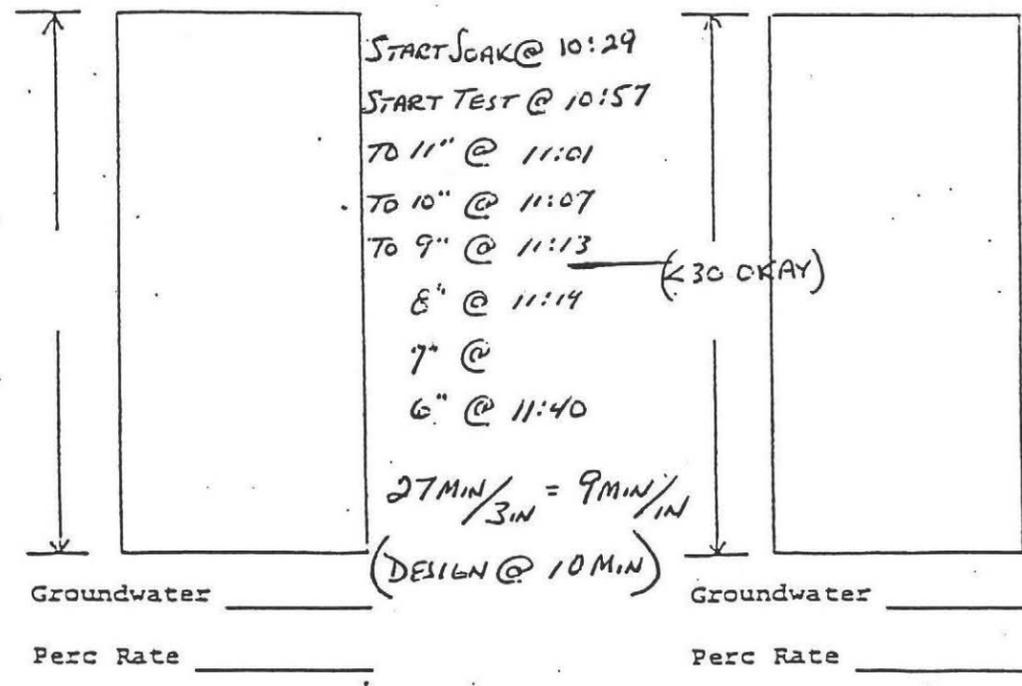
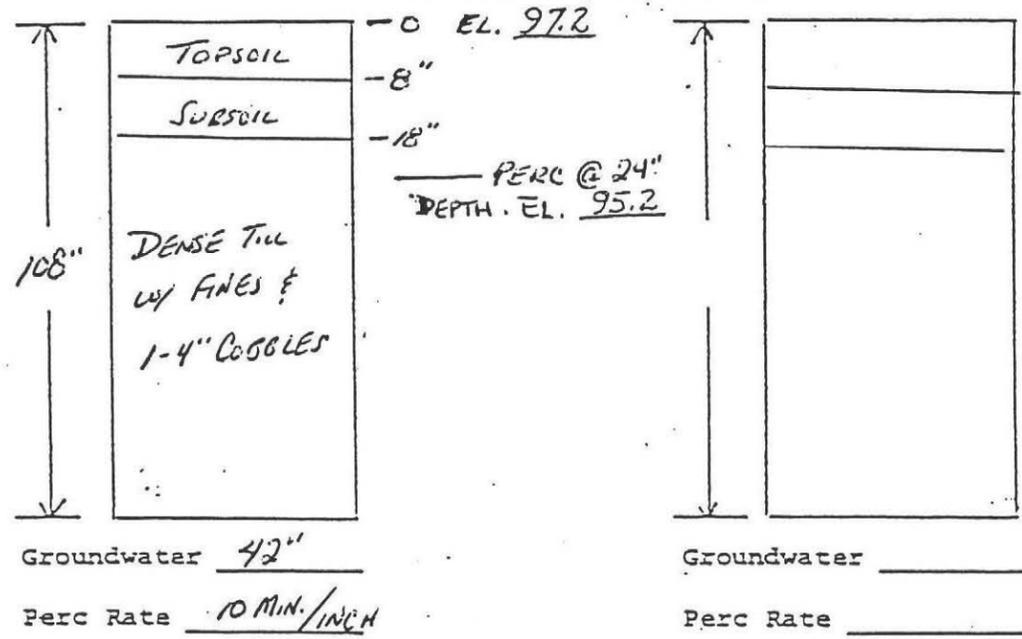
LOCATION: LOT #3

LEVERETT RD.

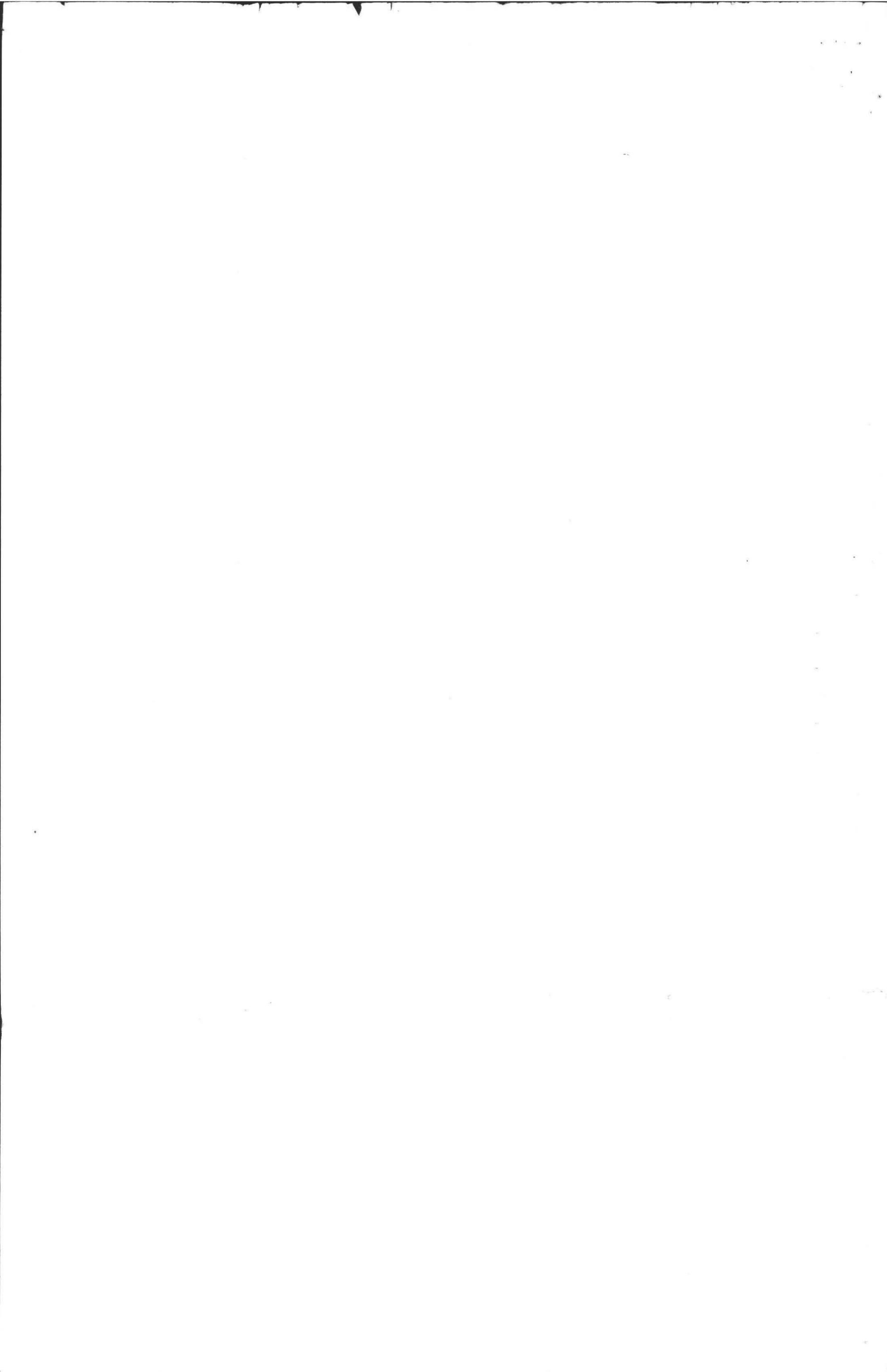
MAILING ADDRESS: 312 LEVERETT RD. AMHERST, MA. 01002

DATE: 12-17-86 OBSERVER: RICHARD SCOTT

WITNESS: C.E. DRAKE



SIDE OF LEVERETT RD. NEAR 312 LEVERETT RD.
 FOR: JEFFREY WOOD
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 200' DATE 12-19-86



SYSTEM DESIGN CALCULATIONS

4 BEDROOM X 110 GAL PER BEDROOM PER DAY = 440 G.P.D. DESIGN FLOW

MINIMUM EFFECTIVE SEPTIC TANK VOLUME = $1.5 \times 440 = 660$ GALLONS

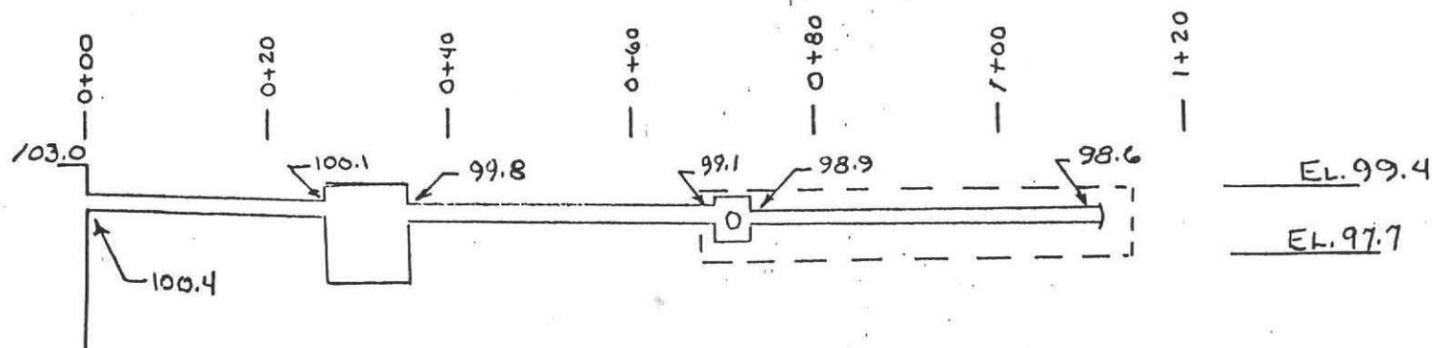
SPECIFIED EFFECTIVE TANK VOLUME = 1000 GALLONS

PERCOLATION RATE = 10 MINUTES PER INCH → DESIGN LOADING =
= 1.8 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.

MINIMUM LEACH FIELD BOTTOM AREA = $440 \times 1.8 = 792$ SQ. FT.

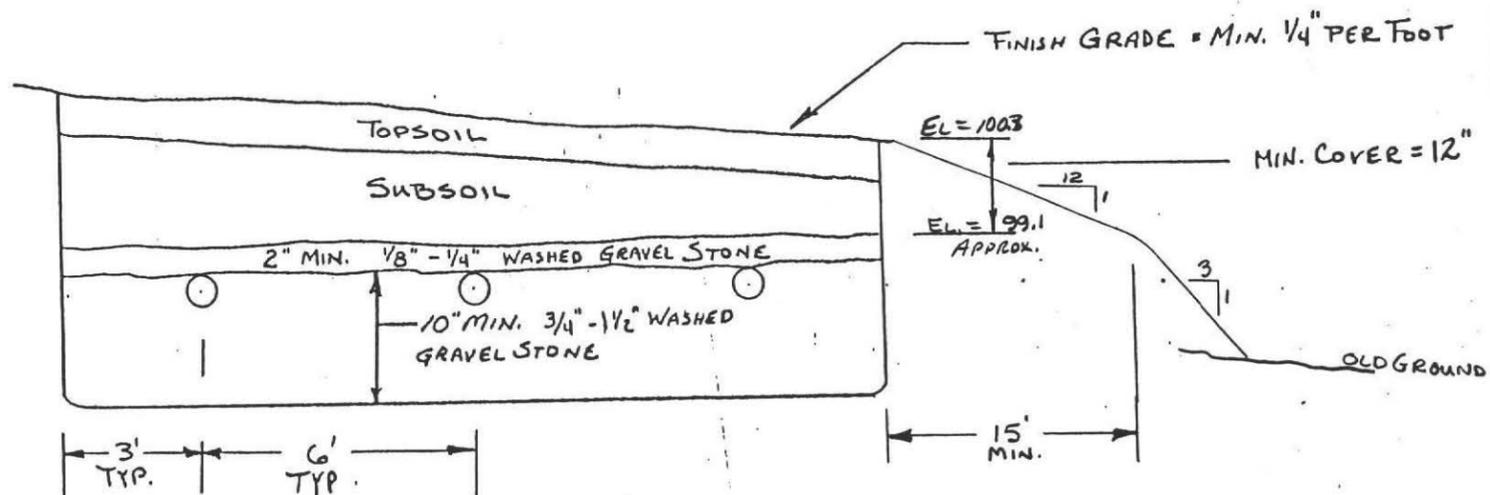
LEACH FIELD SPECIFIED FOR THIS SITE = $18' \times 45' = 810$ SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.O.E. STATE ENVIRONMENTAL CODE TITLE 5.



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW

SCALE: HORIZ: 1" = 20' VERT: N.T.S.



BREAKOUT CALCULATION:

MAINTAIN 1:12 SLOPE MINIMUM 15' FROM EDGES OF FIELD THEN 1:3 SLOPE TO OLD GROUND

DISTANCE TO BREAKOUT = $1.2' \Delta \text{ELEVATION} \times 1:12 = 14.4'$
MINIMUM REQUIRED DISTANCE = $150 \div 12 = 12.5'$

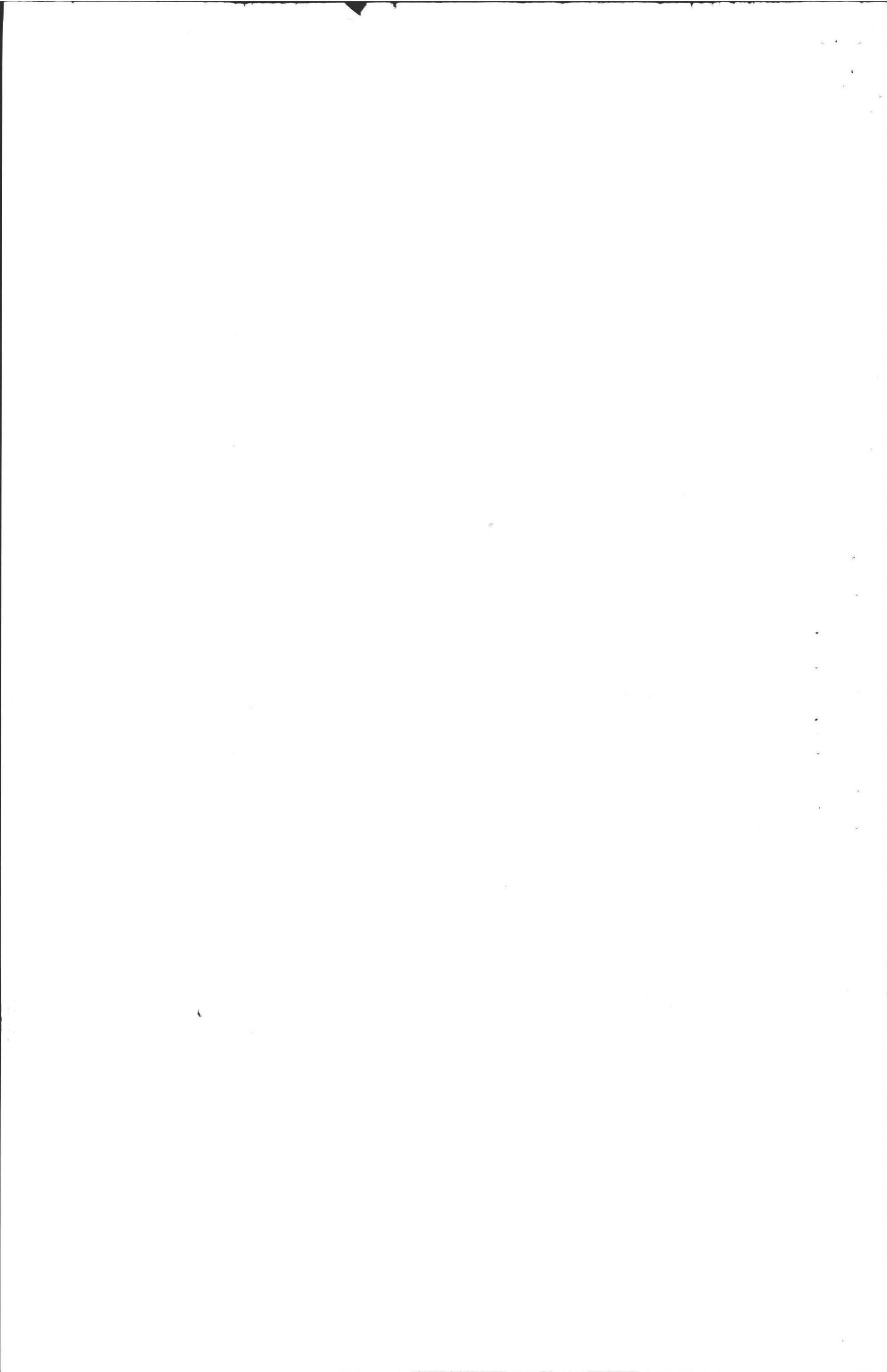
18' X 45' LEACH FIELD. HEADER PIPES FROM DISTRIBUTION BOX TO BE 4" PVC NON-PERFORATED & ARE TO BE LAID LEVEL. 135 LIN. FT. OF 4" PERFORATED PVC DISTRIBUTION PIPE TO BE LAID AT MIN. .005' PER FT. ALL PIPE ENDS TO BE CAPPED

LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW

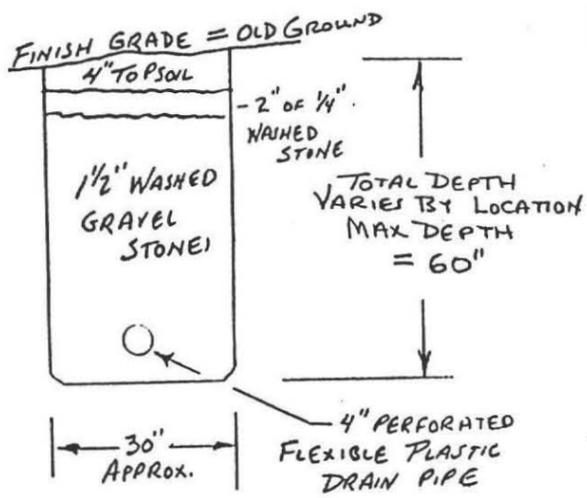
SCALE: HORIZ: 1" = 4' VERT: N.T.S.

PROPOSED SEPTIC SYSTEM DESIGN
LOT # 3 LEVERETT RD. AMHERST, MA.
FOR: JEFFREY WOOD
PREPARED BY: RICHARD SCOTT, P.E.
SCALE: AS SHOWN

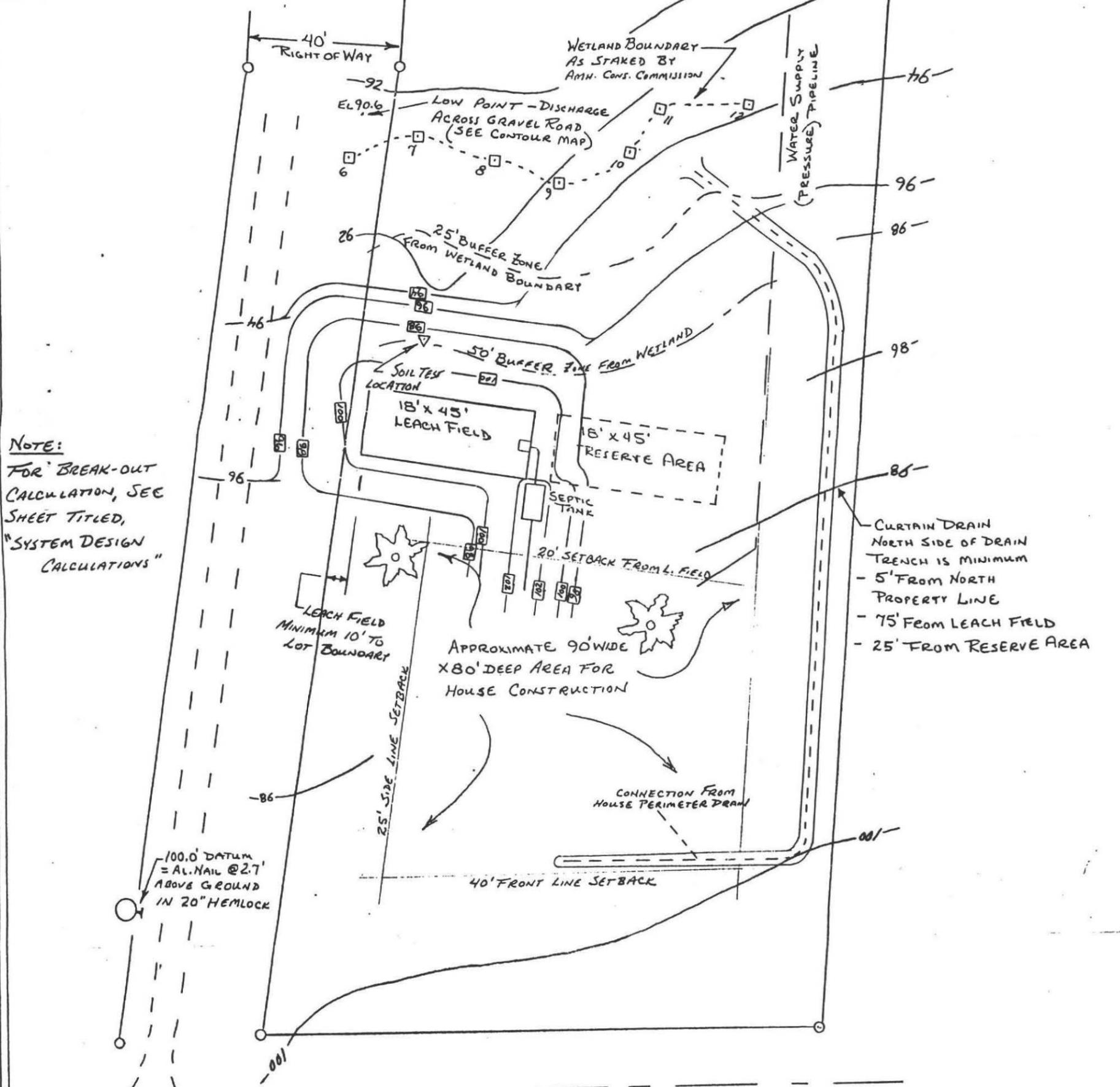
DATE: 12-28-86
REVISED: 8-24-88 (ADDED BREAK-OUT)



— 98 — EXISTING CONTOURS
 [98] PROPOSED FINISH CONTOURS



DETAIL: CURTAIN DRAIN X-SECTION
 SCALE: N.T.S.



NOTE:
 FOR BREAK-OUT CALCULATION, SEE SHEET TITLED, "SYSTEM DESIGN CALCULATIONS"



PLAN OF PROPOSED CONSTRUCTION
 LOT #3 LEVERETT RD. AMHERST, MA.
 NOTICE OF INTENT DOCUMENT A
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: 1" = 30' DATE 7-30-87
 REVISED 10-12-87 (RE-ORIENTED FIELD)

