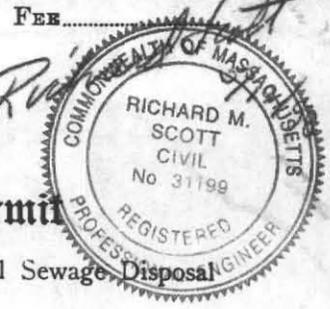


#75

No. 98-12



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:

75 MECHANIC STREET
Location - Address
FRANCIS LYMAN
Owner
KARL'S EXCAVATING
Installer
75 MECHANIC ST. AMHERST, MA 01002
Address
RIVER DR. HAULET, MA 01035
Address

Type of Building
Dwelling (✓) No. of Bedrooms 3 Expansion Attic (N) Garbage Grinder (N)
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 110 gallons per person per day. Total daily flow 330 x 125 = 412.5 gallons.
Septic Tank (New) Liquid capacity 1500 gallons Length 126 Width 63 Diameter Depth 54
Disposal Trench (✓) No. 1 Width 16' Total Length 35' Total leaching area 560 sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.
Other Distribution box (N) Dosing tank (N)
Percolation Test Results Performed by Robert P.E. Witness: D. Farcusinski, H. Agost Date 4-15-98
Test Pit No. 1 3 minutes per inch Depth of Test Pit 120" Depth to ground water 58"
Test Pit No. 2 minutes per inch Depth of Test Pit 102" Depth to ground water 54"

Description of Soil Underlying Soil is Stratified Sand Deposit (MERRIMAC). For details see Soil Suitability Assessment Report.

Nature of Repairs or Alterations - Answer when applicable. Install New Septic Tank, D-Box and Leach Field.

Agreement:
The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Environmental 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 Francis B. Lyman *5-27-98
Application Approved By David Zaczek for Inspector *5-22-98
Application Disapproved for the following reasons:

Permit No. 98-12 Issued 5-22-98 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 () or Repaired (✓) by Karl's

at 75 Mechanic St
has been installed in accordance with the provisions of TITLE 5 of The State Environmental Code as described in the application for Disposal Works Construction Permit No. 98-12 dated

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

DATE 7/20/98 Inspector David Zaczek

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amherst

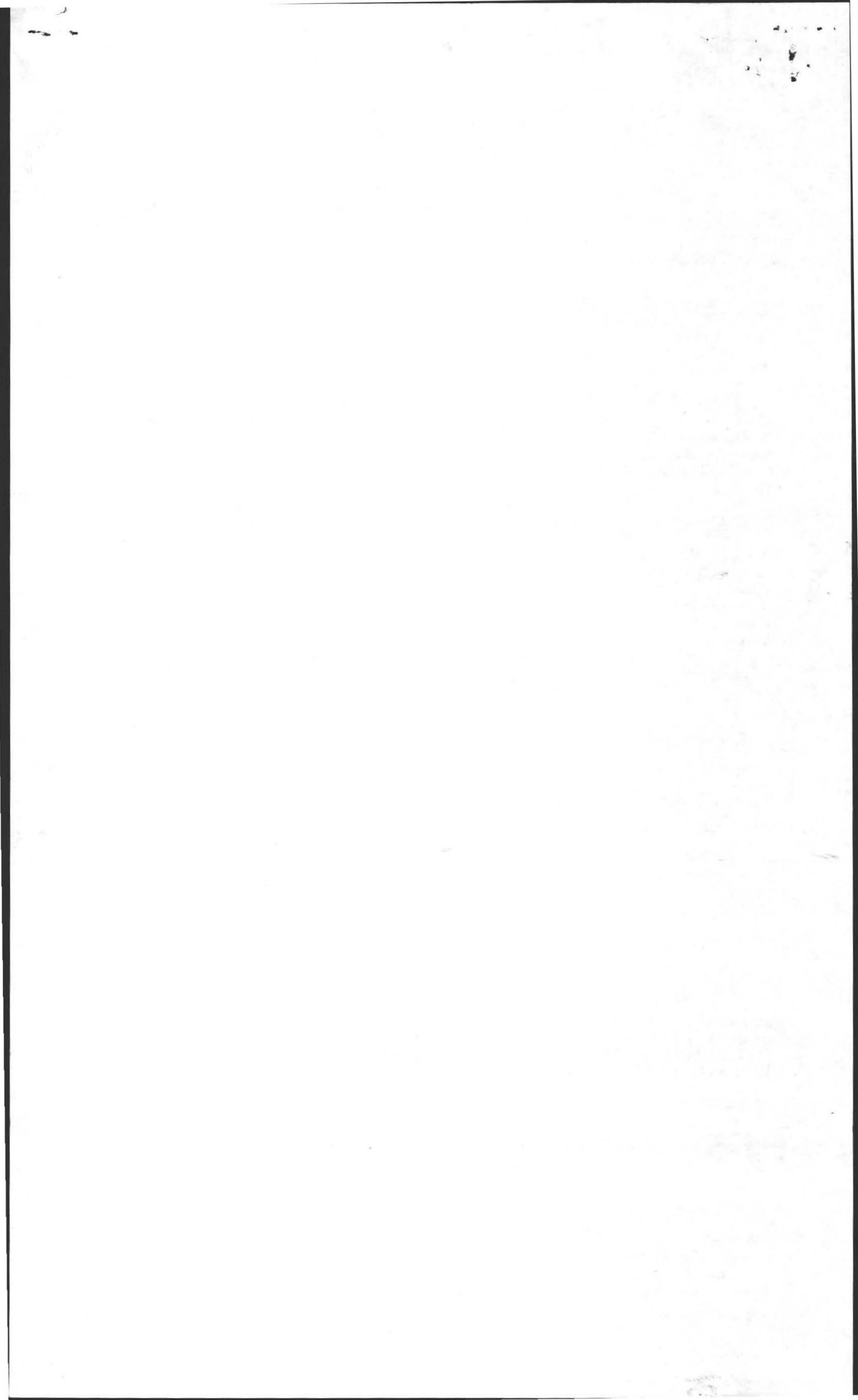
Disposal Works Construction Permit

Permission is hereby granted Francis Lyman to Construct () or Repair (✓) an Individual Sewage Disposal System at No. 75 Mechanic St

as shown on the application for Disposal Works Construction Permit No. 98-12 Dated 5-22-98

DATE 8/22/98 Board of Health

CHECK OR FILL IN WHERE APPLICABLE



Richard Scott, P.E.
31 Shutesbury Road
Pelham, MA 01002
(413) 256-0647

Dave Zarozinski
Health Department
Town Hall - Main Street
Amherst, MA 01002

May 20, 1998

Subject: Title 5 Septic System Repair Design for 75 Mechanic Street
(Property of Francis Lyman)

Dear Dave:

Enclosed are two copies of the application materials for the septic system repair, which is proposed for the subject property. I have also sent a copy to Karl's Excavating for Steve Konieczny's "first look" before we have your permit. I will plan to drop this off at your office on Friday May 22. I understand it won't have your review until at least Tuesday May 26.

This proposed design includes a leach field to use the least elevation and I have kept it as high as the existing elevations will allow. This results in a groundwater offset of 4.2 feet. I was able to provide sufficient area for the 1.25 "Amherst Factor" and meet all the other requirements of 310 CMR 15.000 without variance.

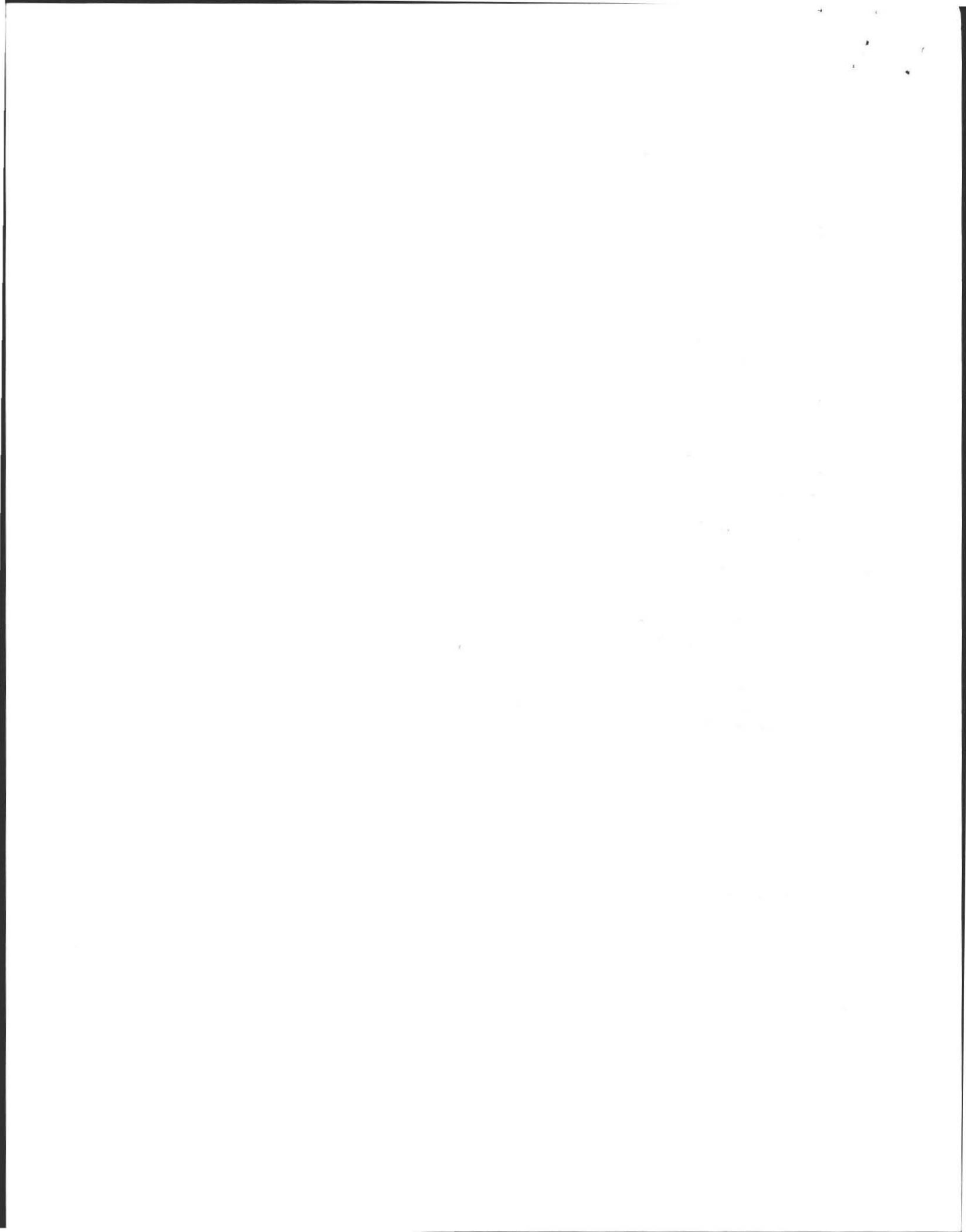
If you have questions at any time when you review this package, please call me. If you have no further requirements, please call Steve directly at 549-5396 or me so we can proceed with the installation. Thanks, Dave.

Sincerely,



Richard Scott, P.E.

cc: Francis Lyman
Steve Konieczny



TOWN WATER

3 Bedroom

PA Cash

FORM 11 - SOIL EVALUATOR FORM

Page 1 of 3

No. _____

Date: 4/15/98

Commonwealth of Massachusetts
Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Ric Scott

Date: 4/15/98

Witnessed By: David Zarozinski

Location Address or Lot # Francis Lyman 75 Mechanic	Owner's Name, Address, and Telephone # 253-5881
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published _____ Publication Scale _____ Soil Map Unit _____

Drainage Class _____ Soil Limitations _____

Surficial Geologic Report Available: No Yes

Year Published _____ Publication Scale _____

Geologic Material (Map Unit) _____

Landform _____

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area:

National Wetland Inventory Map (map unit) _____

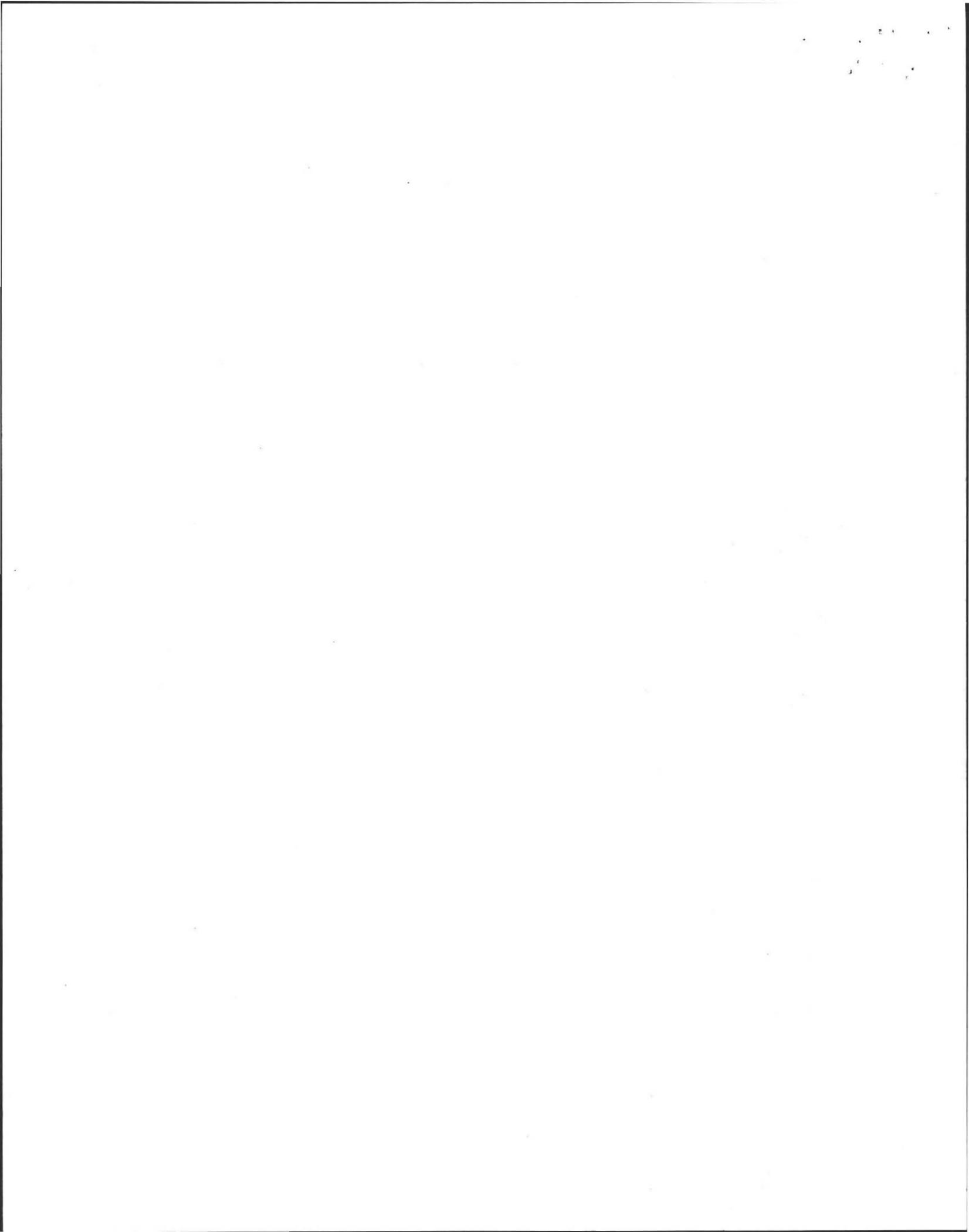
Wetlands Conservancy Program Map (map unit) _____

Current Water Resource Conditions (USGS): Month _____

Range :Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. 75 Mechanic ST.

On-site Review

Deep Hole Number 1 Date: 4/15/98 Time: 8:00 Weather Cloudy

Location (identify on site plan) _____
 Land Use _____ Slope (%) _____ Surface Stones _____
 Vegetation _____
 Landform _____

Position on landscape (sketch on the back)

Distances from:

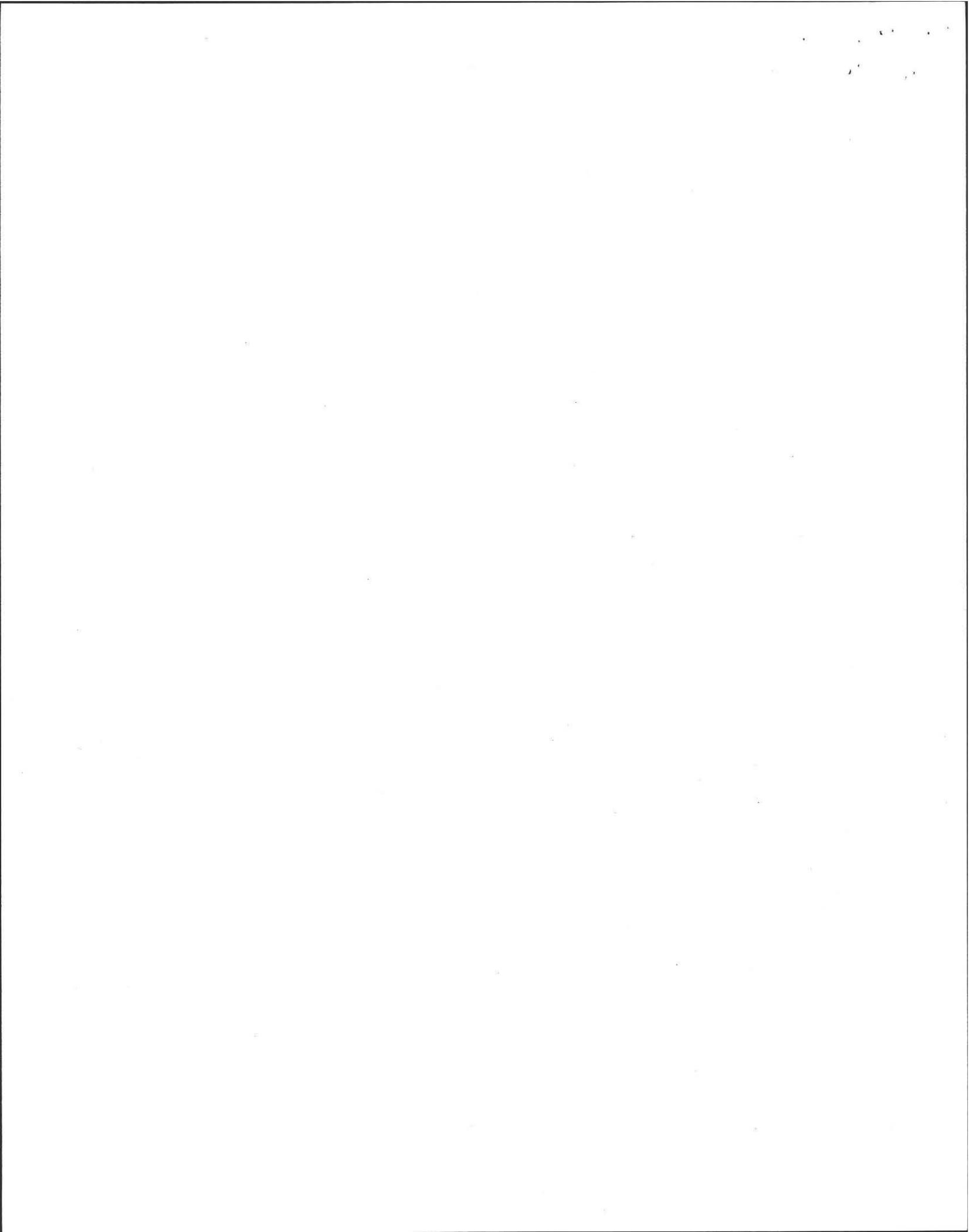
Open Water Body	feet	Drainage way	feet
Possible Wet Area	feet	Property Line	feet
Drinking Water Well	feet	Other	

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-4	A	10yr 3/2	K ₁ or Sand Lean		
4-12	B _w	10yr 4/6	Loamy sand		
12-36	C ₁	10yr 7/6	/		
36-54	C ₂	10yr 7/6			30% gravel cobbles
54-120	C ₃	10yr 7/6			Loamy Sand

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: Bottom Weeping from Pit Face: 96"
 Estimated Seasonal High Ground Water: 54"





Location Address or Lot No. 75 MacLennan

On-site Review

Deep Hole Number 2 Date: 4/15 Time: _____ Weather cloudy

Location (identify on site plan) _____

Land Use _____ Slope (%) _____ Surface Stones _____

Vegetation _____

Landform _____

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body	feet	Drainage way	feet
Possible Wet Area	feet	Property Line	feet
Drinking Water Well	feet	Other	

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-6	A	10yr 3/2			
6-12	Bw	10yr 4/6			
12-60	C ₁	10yr 7/6	5Y 11 mo of 1/65		
60-102	C ₂	2.5 1/3			

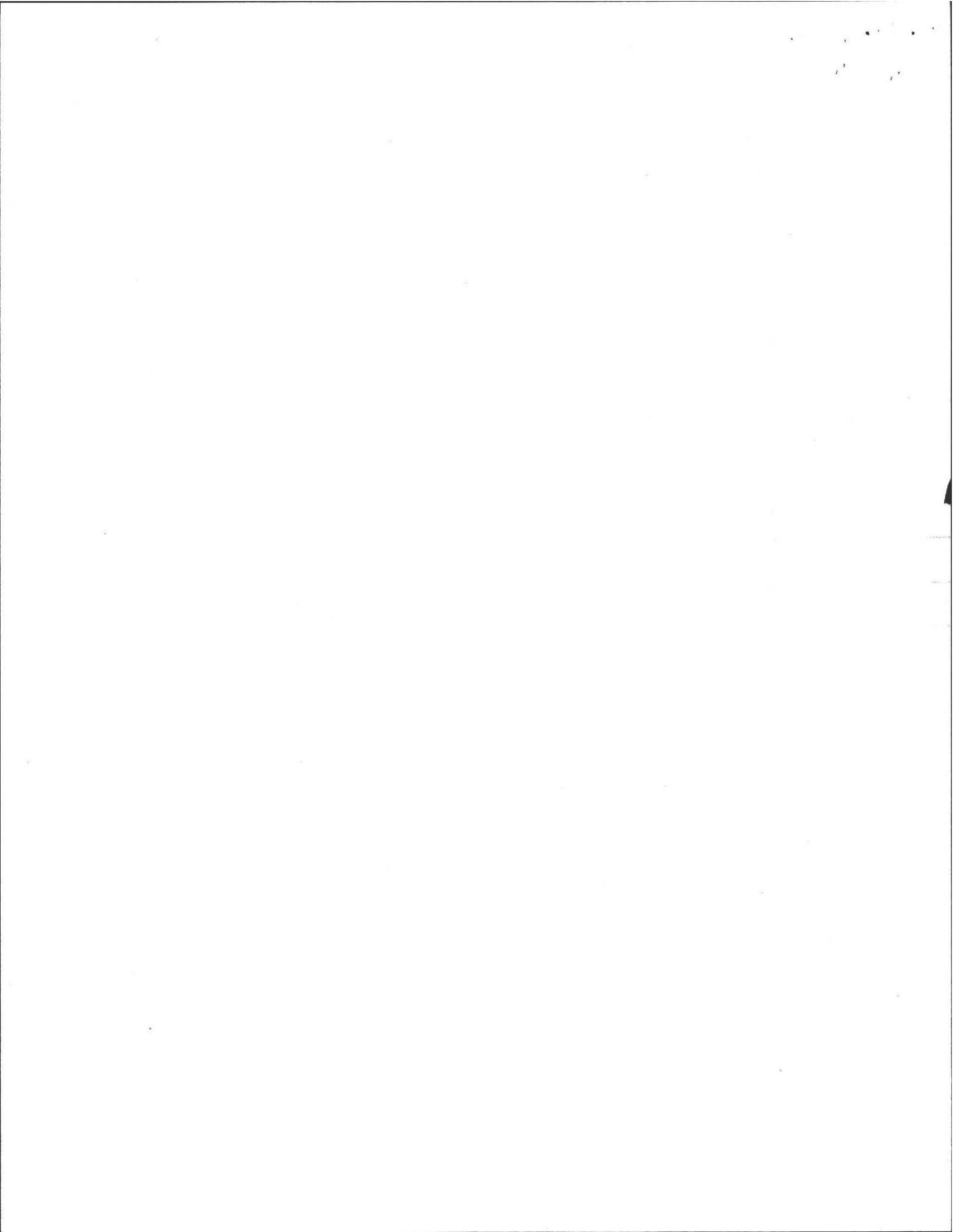
* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) _____ Depth to Bedrock: _____

Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: _____

Estimated Seasonal High Ground Water: _____





FORM 12 - PERCOLATION TEST

Location Address or Lot No. _____

COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

Percolation Test*		
Date: _____		Time: _____
Observation Hole #	(1) 8:10	
Depth of Perc	33"	
Start Pre-soak	8:20	
End Pre-soak	8:25	
Time at 12"	8:25	
Time at 9"	8:31	
Time at 6"	8:40	
Time (9"-6")	9 min.	
Rate Min./Inch	4	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

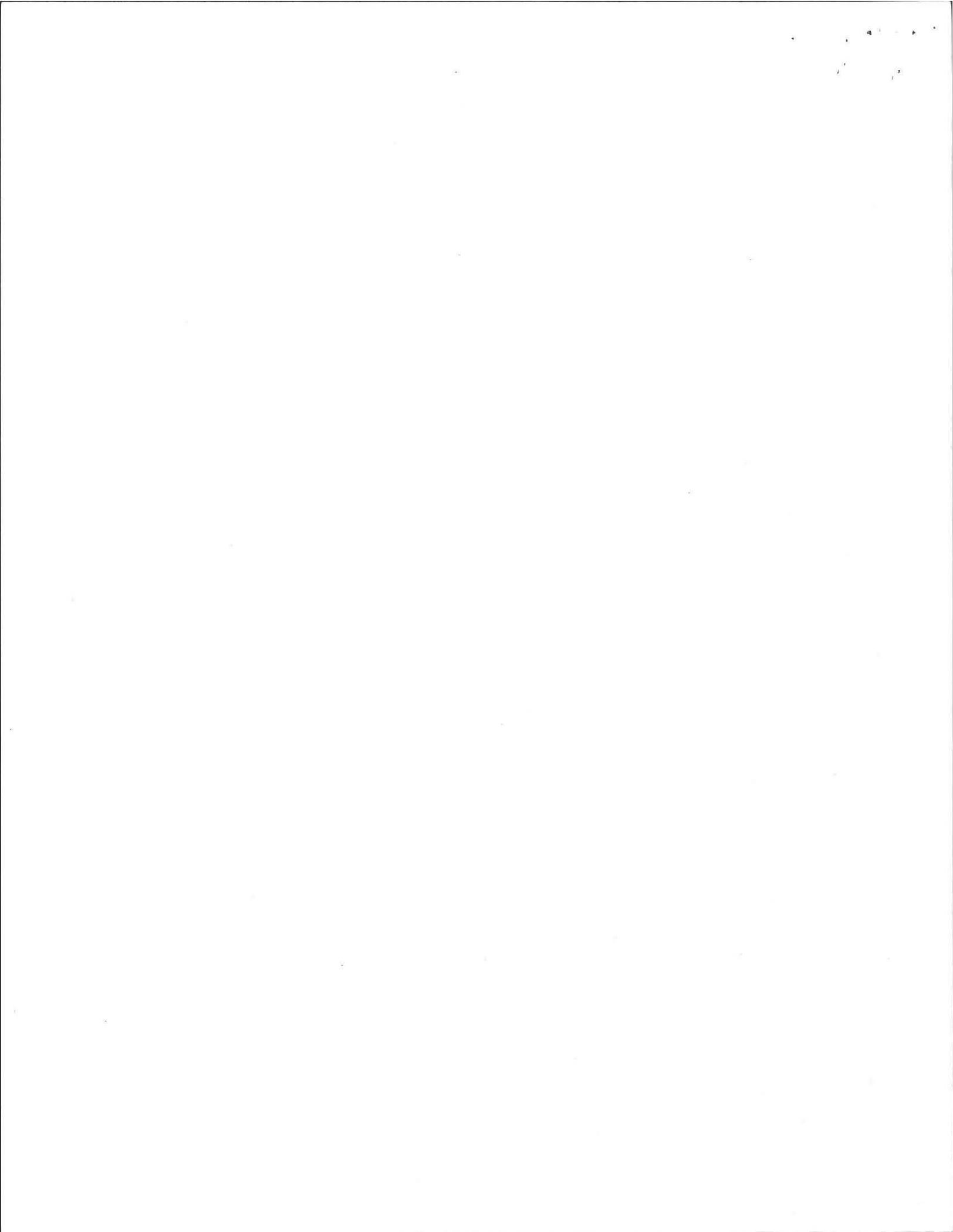
Site Passed Site Failed

Performed By: _____

Witnessed By: _____

Comments: _____





Richard Scott, P.E.
31 Shutesbury Road
Pelham, MA 01002
(413) 256-0647

Dave Zarozinski
Health Department
Town Hall - Main Street
Amherst, MA 01002

May 20, 1998

Subject: Title 5 Septic System Repair Design for 75 Mechanic Street
(Property of Francis Lyman)

Dear Dave:

Enclosed are two copies of the application materials for the septic system repair, which is proposed for the subject property. I have also sent a copy to Karl's Excavating for Steve Konieczny's "first look" before we have your permit. I will plan to drop this off at your office on Friday May 22. I understand it won't have your review until at least Tuesday May 26.

This proposed design includes a leach field to use the least elevation and I have kept it as high as the existing elevations will allow. This results in a groundwater offset of 4.2 feet. I was able to provide sufficient area for the 1.25 "Amherst Factor" and meet all the other requirements of 310 CMR 15.000 without variance.

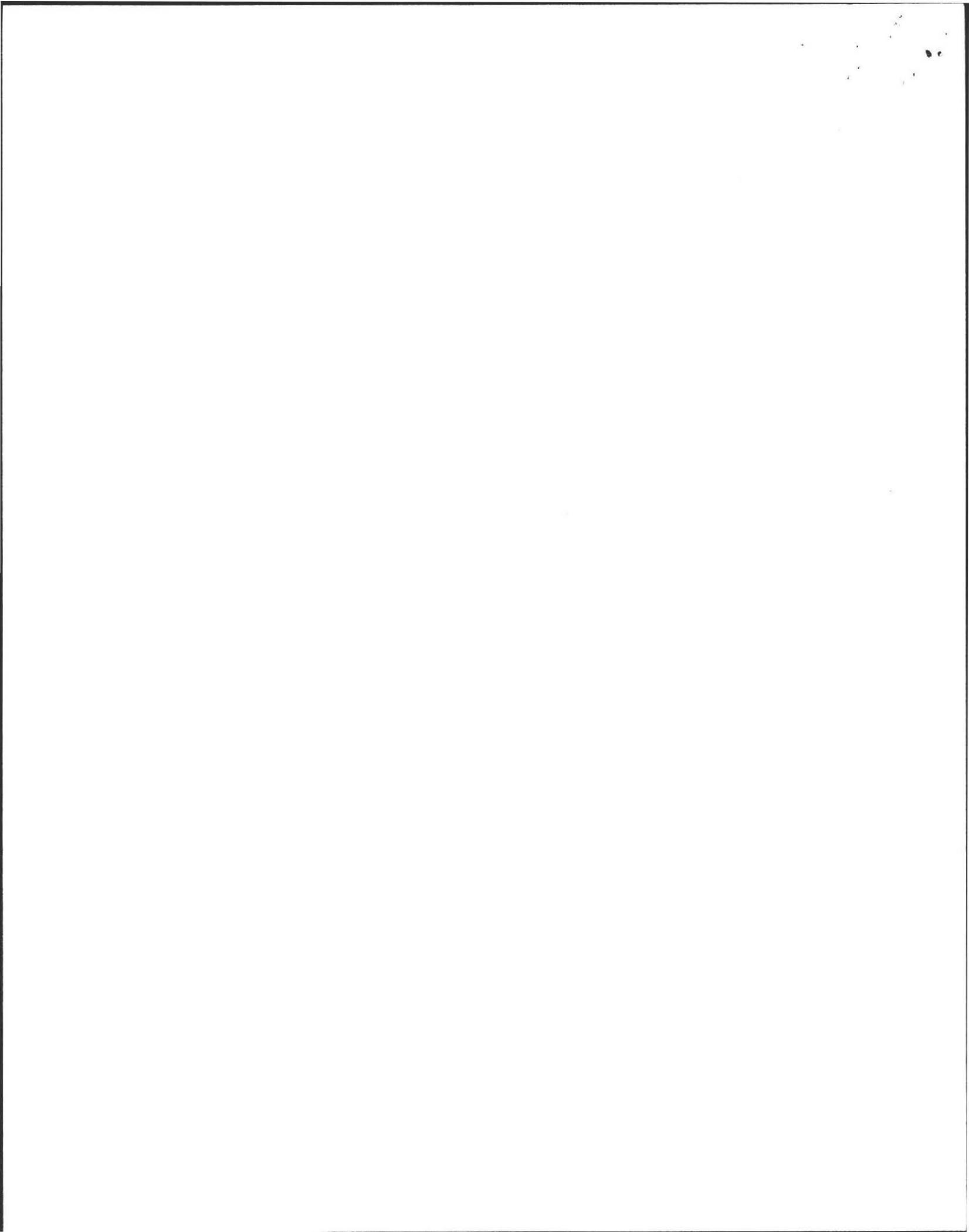
If you have questions at any time when you review this package, please call me. If you have no further requirements, please call Steve directly at 549-5396 or me so we can proceed with the installation. Thanks, Dave.

Sincerely,



Richard Scott, P.E.

cc: Francis Lyman
Steve Konieczny



No.

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:

75 MECHANIC STREET
Location - Address
FRANCIS LYMAN
Owner
KARL'S EXCAVATING
Installer
or Lot No.
75 MECHANIC ST. AMHERST, MA 01002
Address
RIVER DR. HADLEY, MA 01035
Address

Type of Building Dwelling No. of Bedrooms 3 Expansion Attic (Ab) Garbage Grinder (Ab)
Other — Type of Building No. of persons Showers () — Cafeteria ()
Other fixtures

Design Flow 110 gallons per ^{PERSON} person per day. Total daily flow 330 x 1.25 = 412.5 gallons.
Septic Tank Liquid capacity 1320 gallons Length 126" Width 68" Diameter — Depth 54"
Disposal Trench No. 1 Width 16' Total Length 35' Total leaching area 560 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 R. Scott, P.E. WINGU: D. ZAROZINSKI, H. AGENT Date 4-15-98
Test Pit No. 1 3 minutes per inch Depth of Test Pit 120" Depth to ground water 58"
Test Pit No. 2 minutes per inch Depth of Test Pit 102" Depth to ground water 54"

Description of Soil UNDERLYING SOIL IS STRATIFIED SAND DEPOSIT (MERRIMAC). FOR DETAILS, SEE "SOIL SUITABILITY ASSESSMENT" REPORT.

Nature of Repairs or Alterations — Answer when applicable. INSTALL NEW SEPTIC TANK, D-Box AND LEACH FIELD

Agreement:
The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Environmental 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

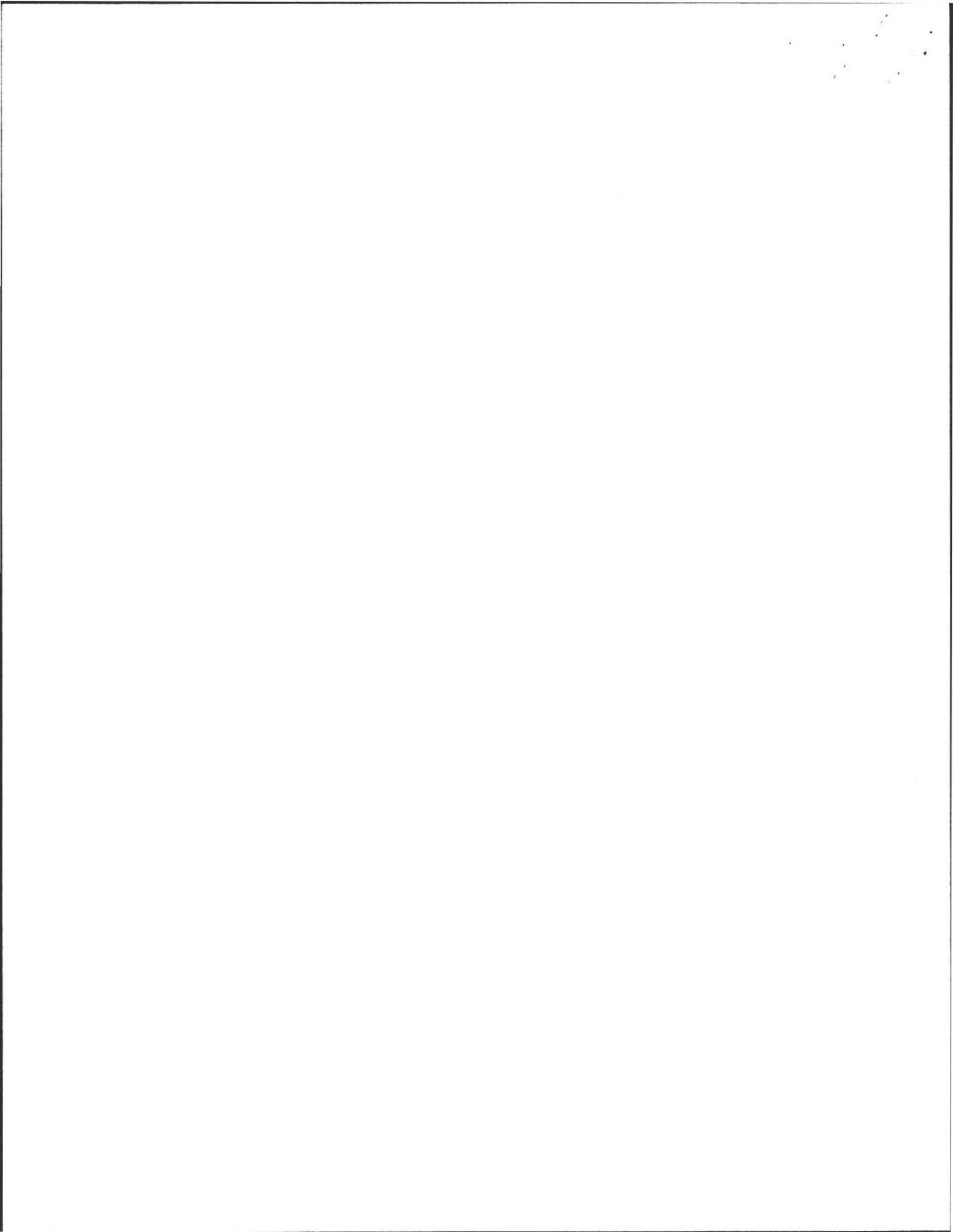
OF
Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () or Repaired ()
by _____
at _____

has been installed in accordance with the provisions of TITLE 5 of The State Environmental 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.

CHECK OR FILL IN WHERE APPLICABLE



RICHARD SCOTT, P.E.
REGISTERED CIVIL ENGINEER

SITE ENGINEERING
PERC TESTS SEPTIC SYSTEM DESIGN

FORM 11 - SOIL EVALUATOR FORM

Page 1

31 SHUTESBURY ROAD
PELHAM, MA 01002

(413) 256-0647

No.

Date 4-15-98

AMHERST, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: RICHARD SCOTT, P.E.

Witnessed By: DAVE ZAROBINSKI, HEALTH AGENT

Location Address or Lot # <u>75 MECHANIC STREET</u>	Owner's Name, Address, and Telephone # <u>FRANCIS LYMAN</u> <u>75 MECHANIC ST.</u> <u>AMHERST, MA 01002</u> <u>(413) 253-5881</u>
MAP	
PARCEL#	

New Construction Repair

Office Review

Published Soil Survey Available: No Yes

Year Published 1981 Publication Scale 1:15,840

Drainage Class I Soil Limitations POOR FILTER

Soil Map Unit HAMPSHIRE CITY CENTRAL

MAP SHEET 20

SOIL UNIT Me B

MERRIMAC 3-8% SLOPE

Surficial Geologic Report Available: No Yes

Year Published _____ Publication Scale _____

Geologic Material (Map Unit) _____

Landform _____

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area:

National Wetland Inventory Map (map unit) _____

Wetlands Conservancy Program Map (map unit) _____

Current Water Resource Conditions (USGS): Month _____

Range: Above Normal Normal Below Normal

Other References Reviewed: _____

10

RICHARD SCOTT, P.E.
REGISTERED CIVIL ENGINEER

SITE ENGINEERING
PERC TESTS SEPTIC SYSTEM DESIGN

SOIL EVALUATOR FORM
Page 2

31 SHUTESBURY ROAD
PELHAM, MA 01002

(413) 256-0647

On-site Review

Deep Hole Number 1 & 2 Date: 4-15-98 Time: 8:00 Weather 45° Cloudy
 Location (identify on site plan) _____
 Land Use RESIDENTIAL Slope (%) 0-3% Surface Stones NONE
 Vegetation LAWN & LANDSCAPE TREES
 Landform LACUSTRINE SAND DEPOSIT
 Position on landscape (sketch on the back) _____
 Distances from:
 Open Water Body 200+ feet Drainage way 100+ feet (At Road)
 Possible Wet Area 150+ feet Property Line 40+ feet
 Drinking Water Well 400+ feet Other _____

← MUNICIPAL WATER SUPPLY 400+ FEET TO ZONE 1 WELL.

DEEP OBSERVATION HOLE LOG

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-4	A	FINE SANDY LOAM	10YR 3/2	NONE	
4-12	B _W	FINE LOAMY SAND	10YR 6/6	"	
12-36	C ₁	LOAMY SAND	10YR 7/6	"	
36-54	C ₂	SAND	10YR 7/6	"	
54-120	C ₃	LOAMY SAND	2.5Y 7/3	10YR 5/8 MOTTLED AT 58"	STRATIFIED FINE SAND, COARSE SAND, GRAVEL & COBBLES
0-6	A	FINE SANDY LOAM	10YR 3/2		
6-12	B _W	FINE LOAMY SAND	10YR 6/6		
12-60	C ₁	LOAMY SAND	10YR 7/6	10YR 5/8 MOTTLED AT 54"	
60-102	C ₂	SAND	2.5Y 7/3		STRATIFIED FINE & COARSE SAND, GRAVEL & COBBLES

Deep Hole #1

Deep Hole #2

DH₂ GROUND EL. = 94.4
G'WATER EL. = 89.9

Parent Material (geologic) LACUSTRINE (HITCHCOCK LAKE) DEPOSIT Depth to Bedrock: >120"

Depth to Groundwater: _____ Standing Water in the Hole: 108" Weeping from Pit Face: 96"
 Estimated Seasonal High Ground Water: 54"

100

RICHARD SCOTT, P.E.
REGISTERED CIVIL ENGINEER

SITE ENGINEERING
PERC TESTS SEPTIC SYSTEM DESIGN

FORM 12 - PERCOLATION TEST

31 SHUTESBURY ROAD
PELHAM, MA 01002

(413) 258-0847

COMMONWEALTH OF MASSACHUSETTS

AMHERST, Massachusetts

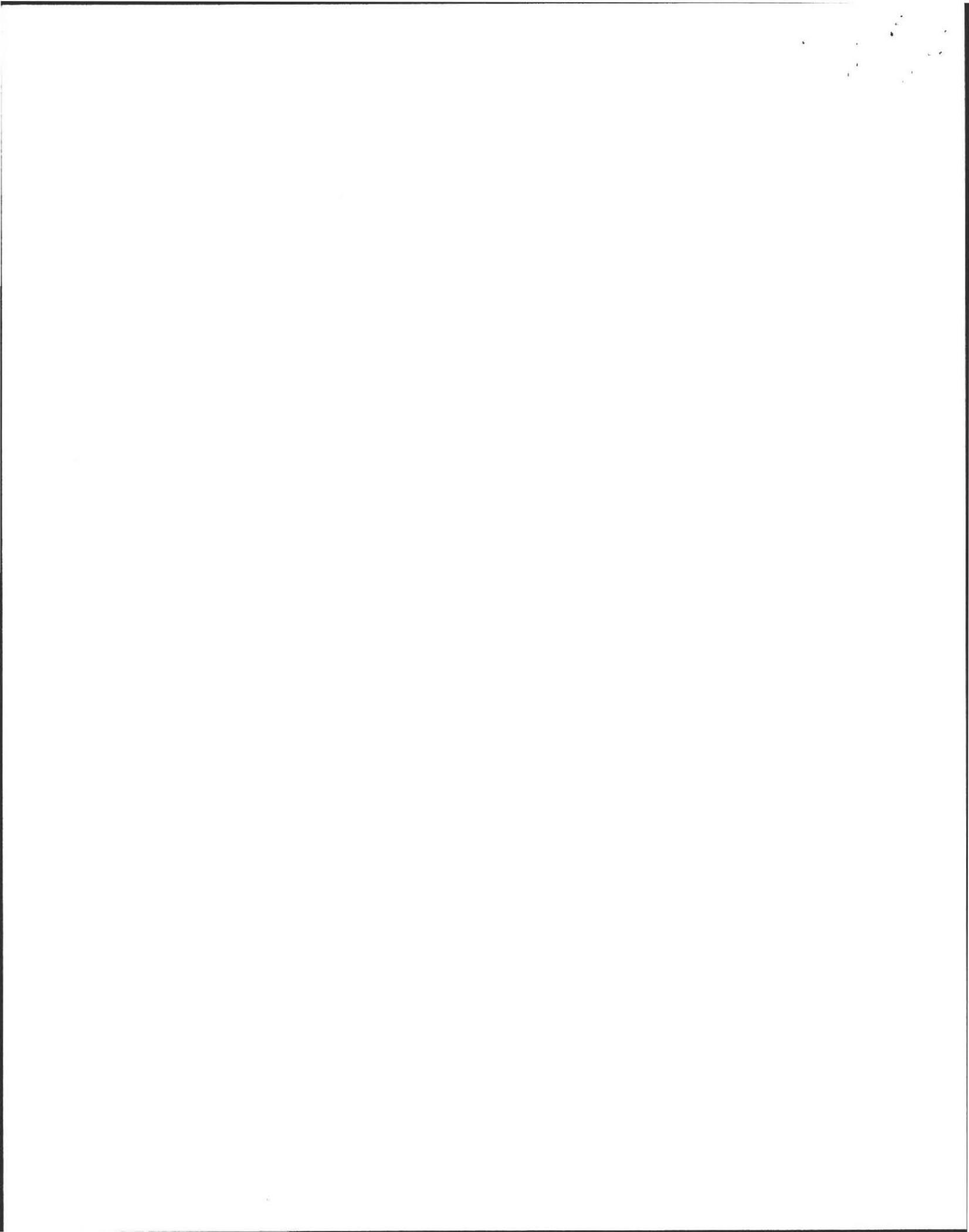
Percolation Test				
Date: 4-15-98		Time: 8:30		
Observation Hole #	P ₁			
Depth of Perc Bottom	33"			
Start Pre-soak	8:10			
End Pre-soak	8:25			
Time at 12"	8:25			
Time at 9"	8:31			
Time at 6"	8:39			
Time (9"-6")	8 Min			
Rate Min./Inch	2.7 Min./Inch			

Site Passed Site Failed

Performed By: RICHARD SCOTT, P.E.

Witnessed By: DAVE ZAROZINSKI, HEALTH AGENT

Comments:



RICHARD SCOTT, P.E.
REGISTERED CIVIL ENGINEER

SITE ENGINEERING
PERC TESTS SEPTIC SYSTEM DESIGN

31 SHUTESBURY ROAD
PELHAM, MA 01002

(413) 256-0647

Determination for Seasonal High Water Table

Location 75 MECHANIC ST.
Method Used: Town AMHERST

- Depth observed standing in observation hole inches
- Depth weeping from side of observation hole inches
- Depth to soil mottles 54 inches
- Ground water adjustment feet

Index Well Number Reading Date Index well level
Adjustment factor Adjusted ground water level

Depth of Naturally Occurring Pervious Material

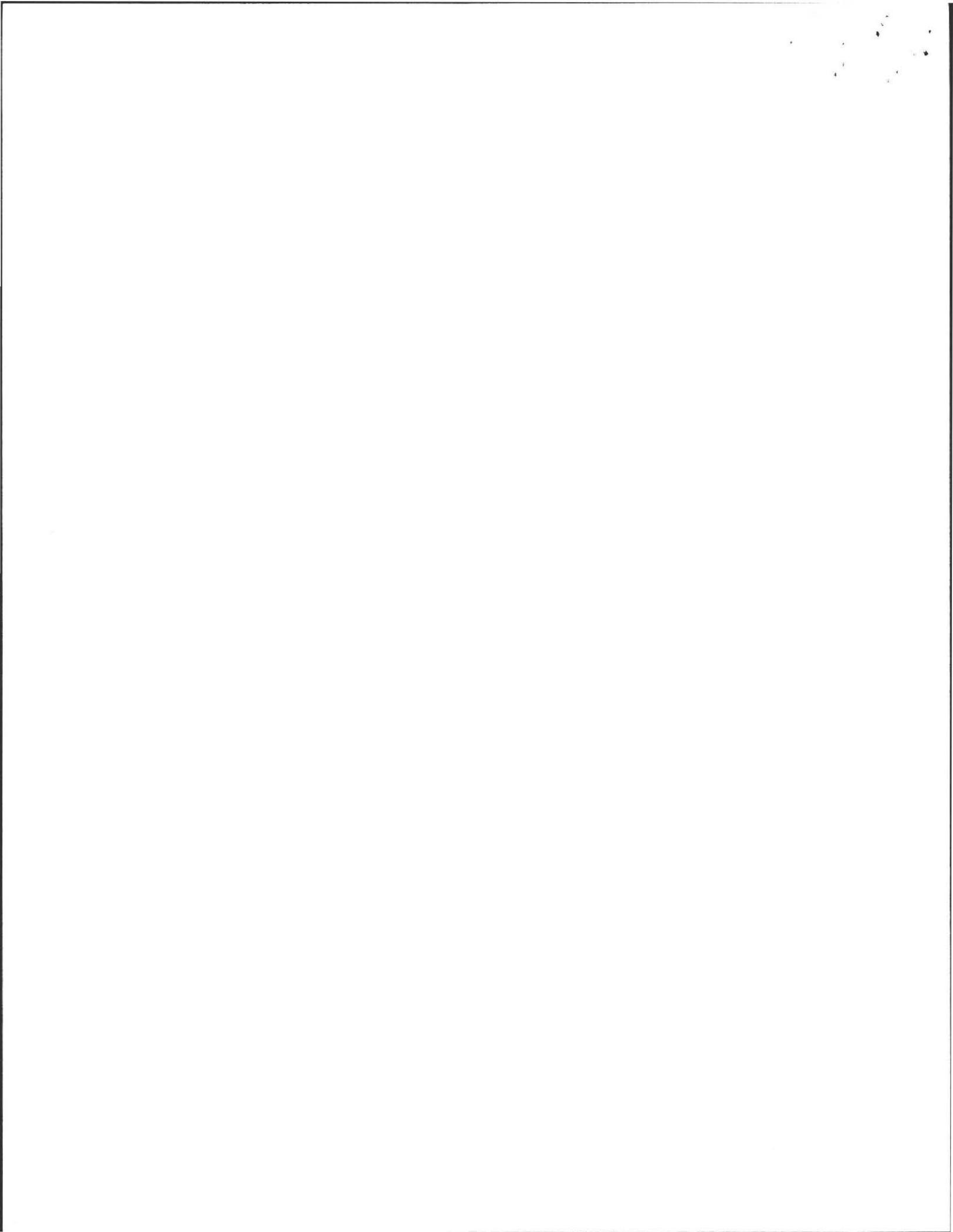
Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? YES

If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on JUNE 16, 1995 (date) I have passed the examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

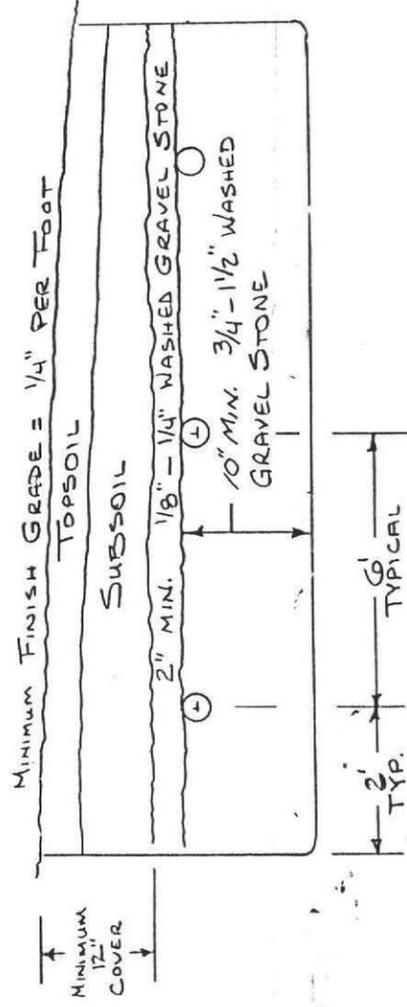
Signature Richard Scott Date 4-15-98



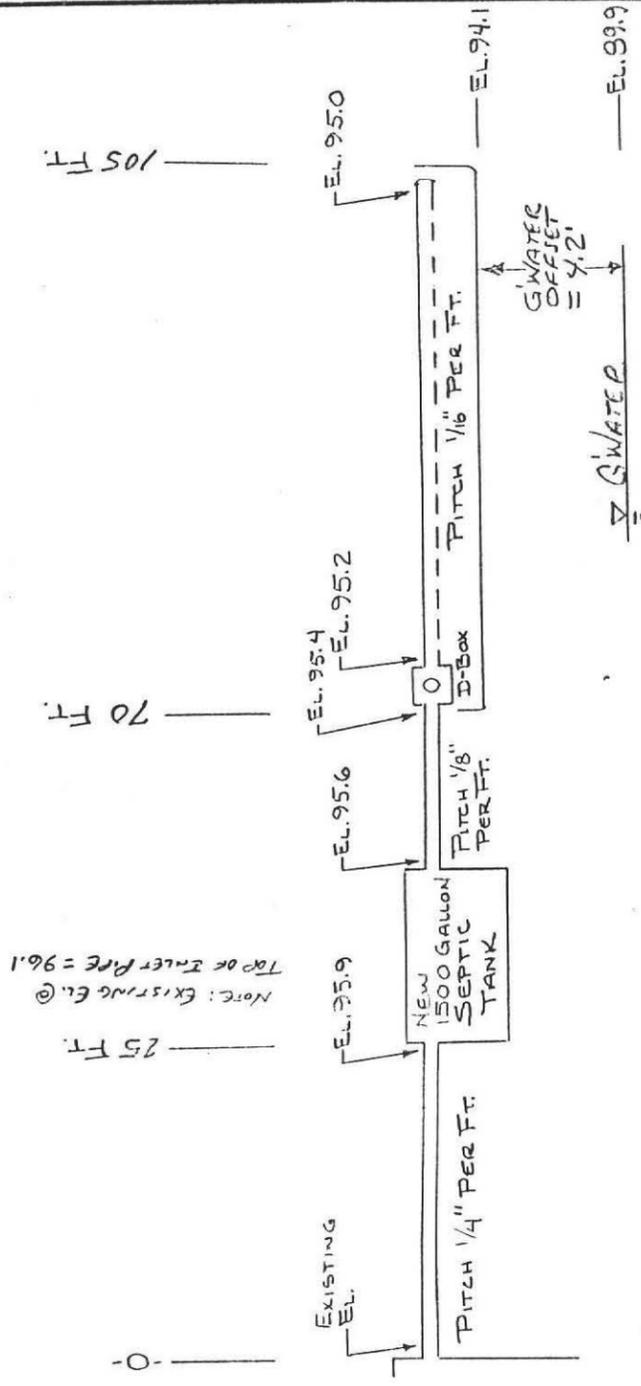
SYSTEM DESIGN CALCULATIONS

3 BEDROOM X 110 GPD PER BEDROOM = 330 GPD DESIGN FLOW
 X 1.25 "AMHERST FACTOR" = 413 GPD
 MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 2.0 X 413 = 826 GALLONS
 SPECIFIED TANK VOLUME = 1500 GALLONS (MIN. VOLUME REQUIRED.)
 PERCOLATION RATE = 3 MINUTES PER INCH → DESIGN LOADING =
 = 1.35 SQUARE FEET PER GALLON FOR BOTTOM LEACHING ONLY.
 MINIMUM LEACH FIELD BOTTOM AREA = 1.35 X 413 = 557 SQ. FT.
 LEACH FIELD SPECIFIED FOR THIS SITE = 16' X 35' = 560 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE
 IN ACCORDANCE WITH MASSACHUSETTS 310 CMR (TITLE 5)



16' X 35' LEACHFIELD HEADER PIPES FROM DISTRIBUTION BOX
 TO BE 4" SCH 40 PVC OR SCH 35 SDR NON PERFORATED
 AND ARE TO BE LAID LEVEL. 105 LINEAL FEET OF 4"
 SCH 40 PVC OR SCH 35 SDR PERFORATED DISTRIBUTION
 PIPE TO BE LAID AT MINIMUM .005' PER FT. (1/16" PER FT.)
 ALL PIPE ENDS TO BE CAPPED.



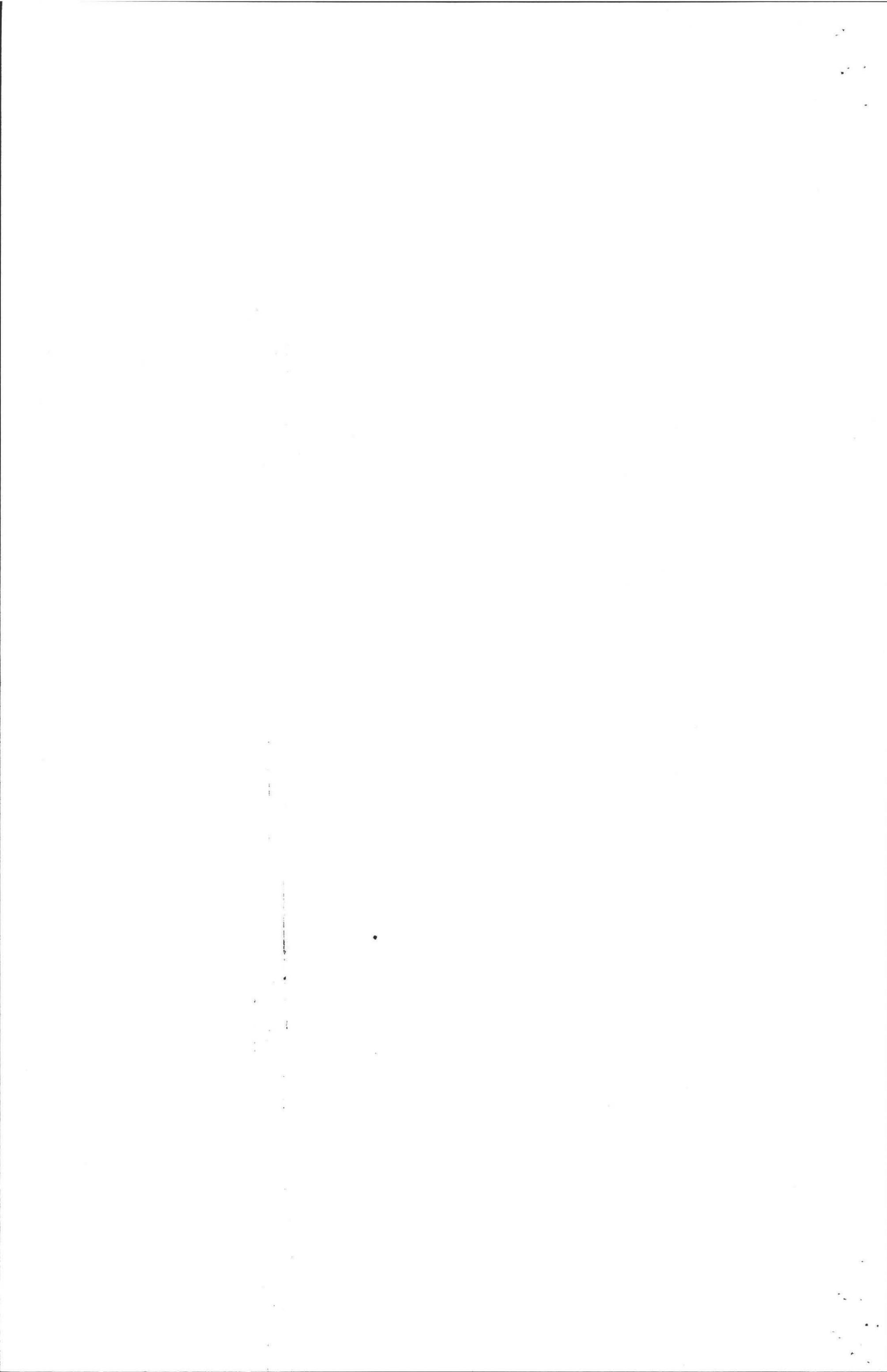
NOTE: EXISTING EL. @
 TOP OF TALKET PIPE = 96.1



SEPTIC SYSTEM DESIGN
 AT 75 MECHANIC ST. AMHERST
 SCALE: N.T.S.
 DATE: 5-19-98
 APPROVED BY:
 FOR FRANCIS LYMAN
 BY RICHARD SCOTT, P.E.

DRAWN BY: RMS
 REVISIONS

DRAWING NUMBER



CONSTRUCTION NOTES

THIS DESIGN HAS BEEN COMPLETED AND CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH 310CMR-15.00 (TITLE 5) 12-27-96 REVISION.

BUILDING SEWER IS TO BE PRESERVED AT ITS CURRENT ELEVATION AND COUPLED WITH A LEAK-TIGHT COUPLING TO NEW PIPING TO THE NEW 1500 GALLON SEPTIC TANK

EXISTING SEPTIC TANK IS TO BE PUMPED, CRUSHED, FILLED WITH SAND AND BURIED IN PLACE.

NEW SEPTIC TANK TO BE INSTALLED IS 1500 GALLONS WITH INLET AND OUTLET PIPE TEES AND GAS BAFFLE PER 310CMR-15.223. SEPTIC TANK AND D-BOX TO BE SET ON LEVEL 6" BASE OF CRUSHED STONE.

ALL TOP & SUBSOIL IS TO BE REMOVED FROM THE AREA OF THE SOIL ABSORPTION SYSTEM + 5 FEET ON ALL SIDES. MACHINE-COMPACT SAND MEETING 15.255 REQUIREMENTS TO ESTABLISH A CONSISTENT BASE ELEVATION AS SHOWN ON SHEET 1 OF 2.

— 94 — = EXISTING ELEVATION CONTOURS.

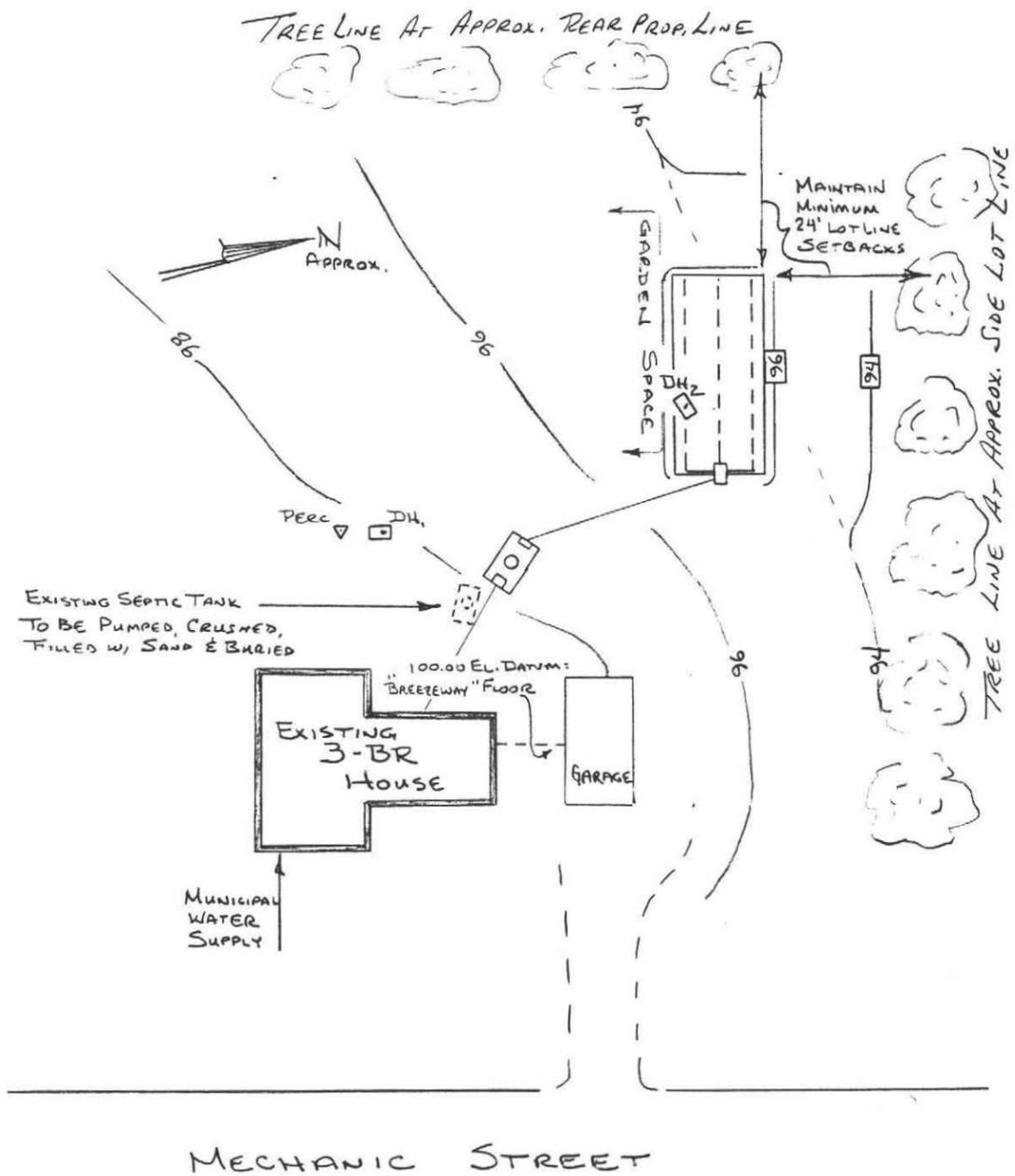
— 94 — = PROPOSED FINISH CONTOURS.

THE SOIL ABSORPTION SYSTEM IS RAISED PRIMARILY ON THE NORTH SIDE. HOLD ELEVATION 95.2 OUT 15 FEET THEN RETURN TO ORIGINAL GROUND AT 1:3 SLOPE.

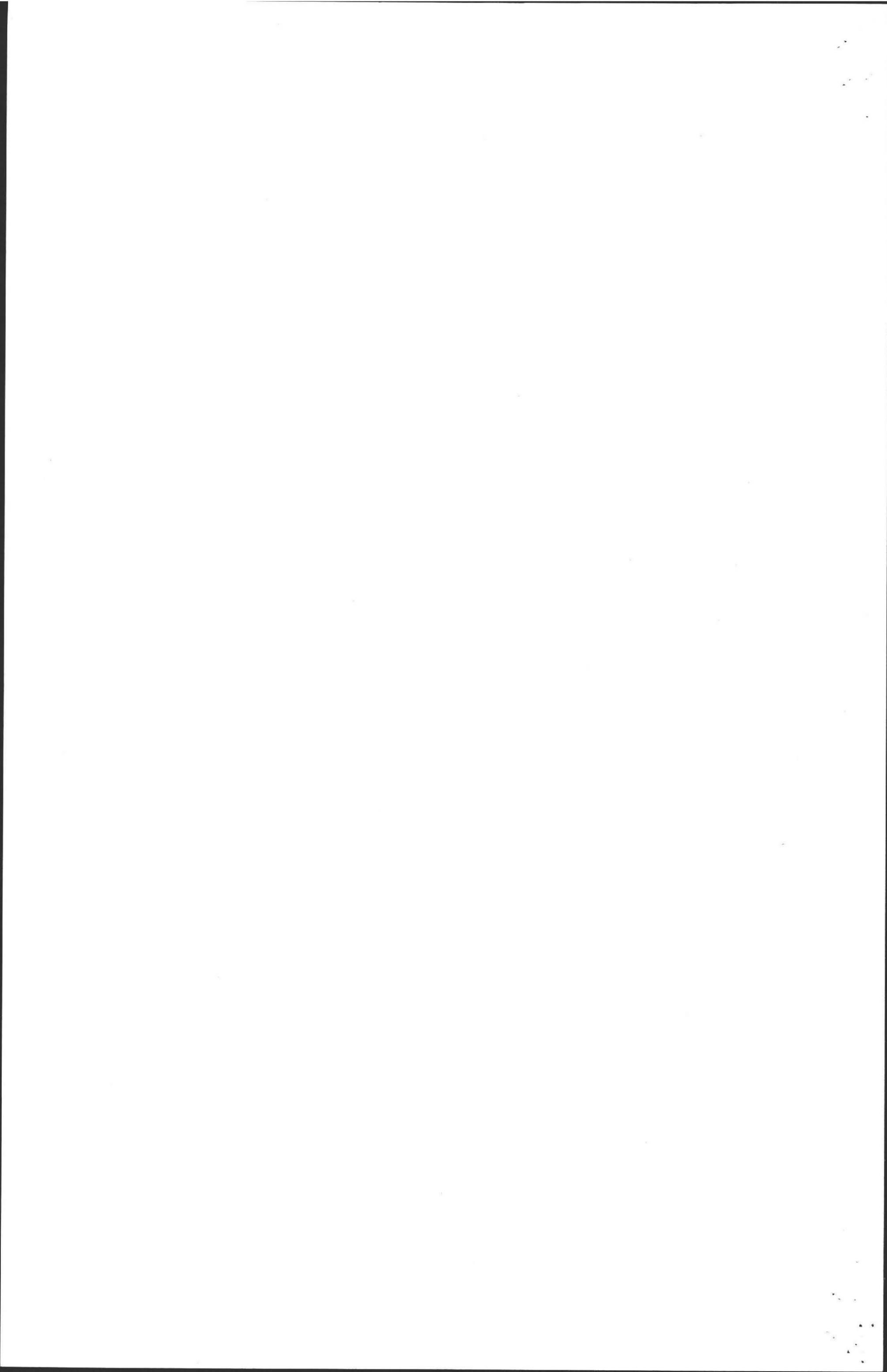
THIS DESIGN DOES NOT INCLUDE CAPACITY FOR A GARBAGE GRINDER. INSTALLATION OF A GARBAGE GRINDER IS NOT ALLOWED.

PER AMHERST REGULATION, IN-PROCESS INSPECTION AND FINAL AS-BUILT INSPECTIONS ARE REQUIRED. FOR INSPECTIONS CONTACT:

DESIGNER: (413) 256-0647
HEALTH AGENT: (413) 256-4030



SEPTIC SYSTEM DESIGN		
AT 75 MECHANIC STREET, AMHERST		
SCALE: 1"=30'	APPROVED BY:	DRAWN BY RMS
DATE: 5-19-98		REVISED
FOR FRANCIS LYMAN		
BY RICHARD SCOTT, P.E.		
		DRAWING NUMBER



Richard Scott, P.E.
31 Shutesbury Road
Pelham, MA 01002
(413) 256-0647

July 17, 1998

Dave Zarozinski, Health Agent
Town Hall – 4 Boltwood Avenue
Amherst, MA 01002-2351

Subject: Septic System Repair at 75 Mechanic Street (Property of Francis Lyman)
Documentation of In-Process and Final As-Built Inspections

Dear Dave:

On July 14, 1998 I completed the in-process inspection for this septic system repair installation at the subject property. Per Amherst regulations, this first inspection was to check the removal of unsuitable soils from beneath the soil absorption system and check those "subgrade" elevations. The excavation had been completed and I was able to confirm that the unsuitable soils were removed. The subgrade elevations vary so the fill material below the system will range from approximately 6" to 24".

On July 15 and 17, 1998 I completed the final as-built inspection. The as-built dimensions triangulated from the house and the as-built elevations are documented on the enclosed plan copies. As we discussed by telephone, the elevations of the leach field are slightly lower than shown on the application plan copy because of the connection to the existing building sewer. The pitch of the pipe from the septic tank to the distribution box averages slightly more than 1/8" per foot and the remaining offset above groundwater is four feet. On July 17 I returned to the site to recheck the pitch at each segment of this pipe run. Those pitches are shown on the as-built plan. The five pipe segment pitches range from 0.10" per foot to 0.22" per foot and the average is 0.14" per foot. I have asked Steve at Karl's to recheck the first two pipe segments and make a minor adjustment before he backfills. With this adjustment, all dimensional offsets and pipe pitches are per Title 5 requirements.

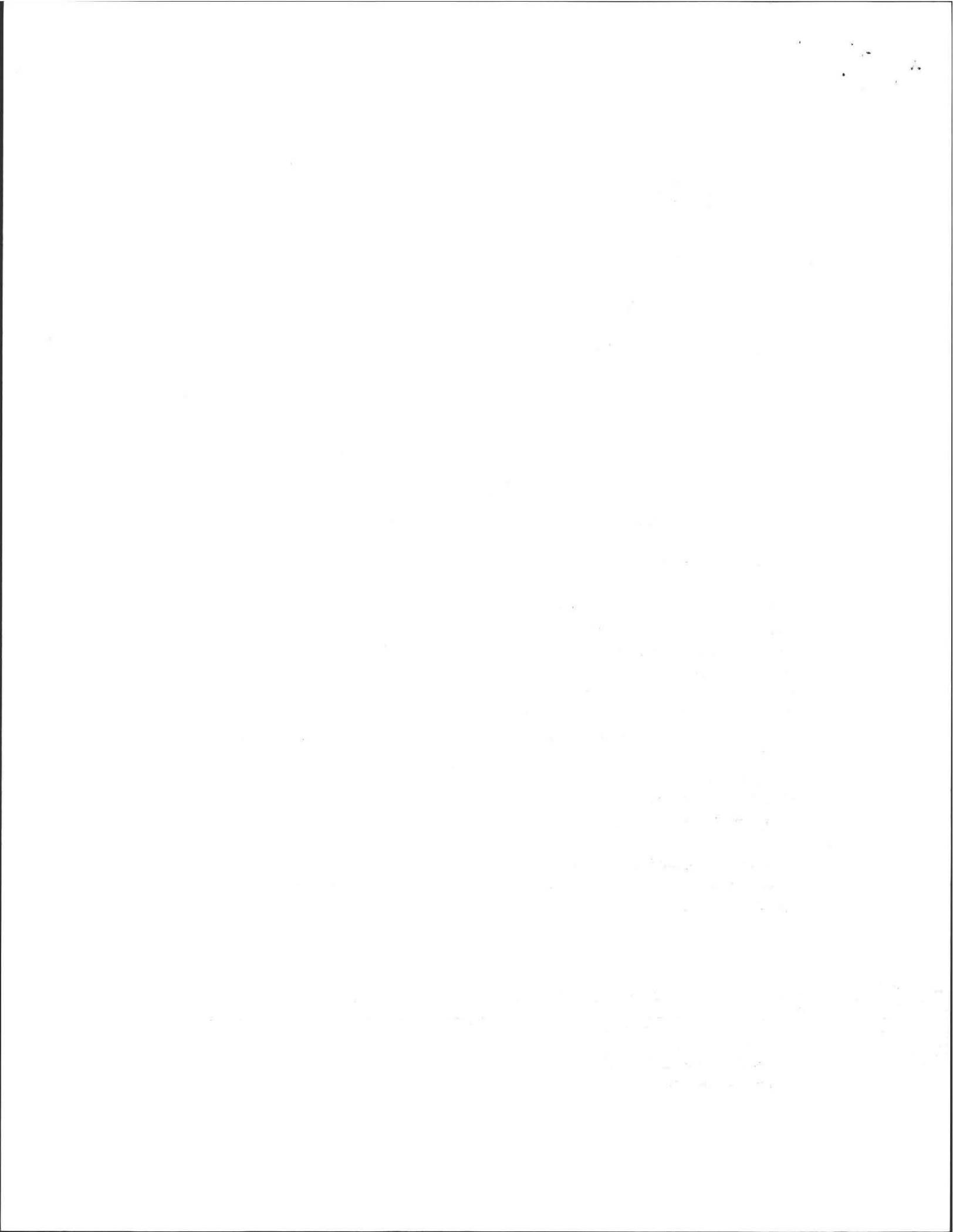
I recommend that the Certificate of Compliance be issued to allow use of the repaired system. Thanks, Dave for your help in getting this project completed. Please call me if there is anything else I need to do.

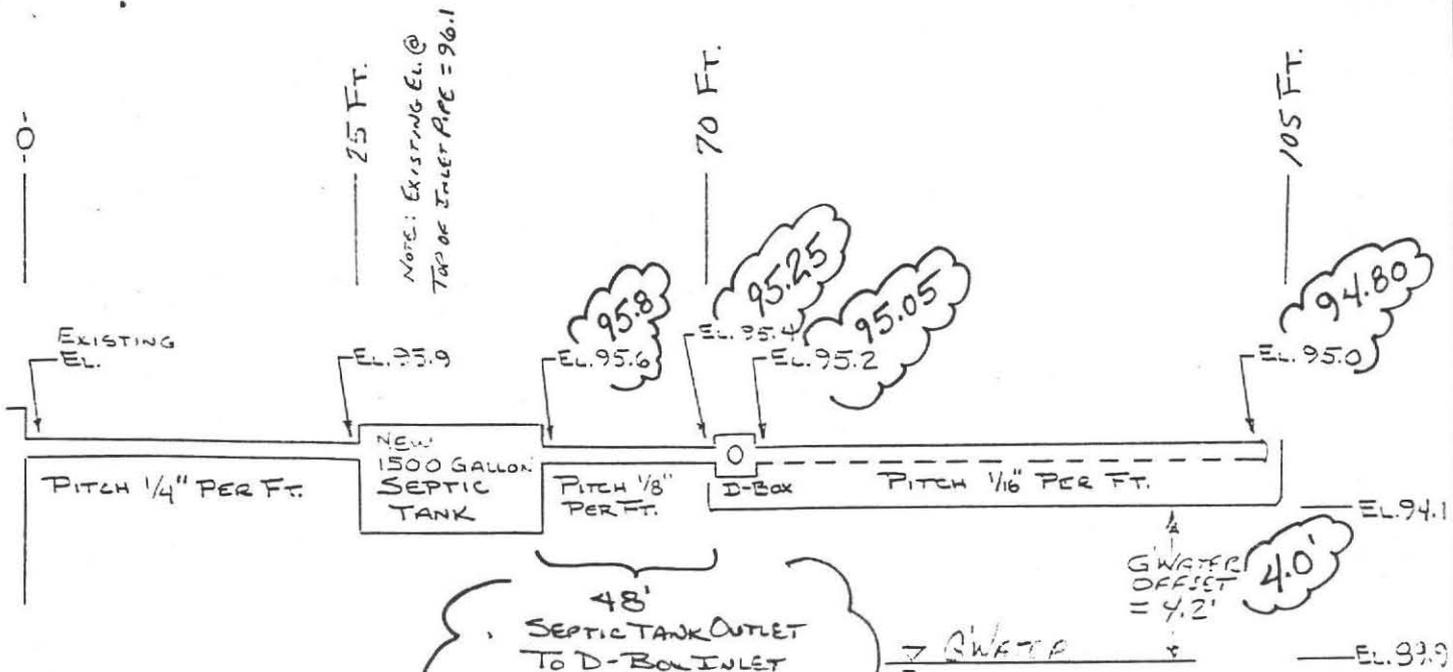
Sincerely,



Richard Scott, P.E.

cc: Francis Lyman, Owner
Steve Konieczny





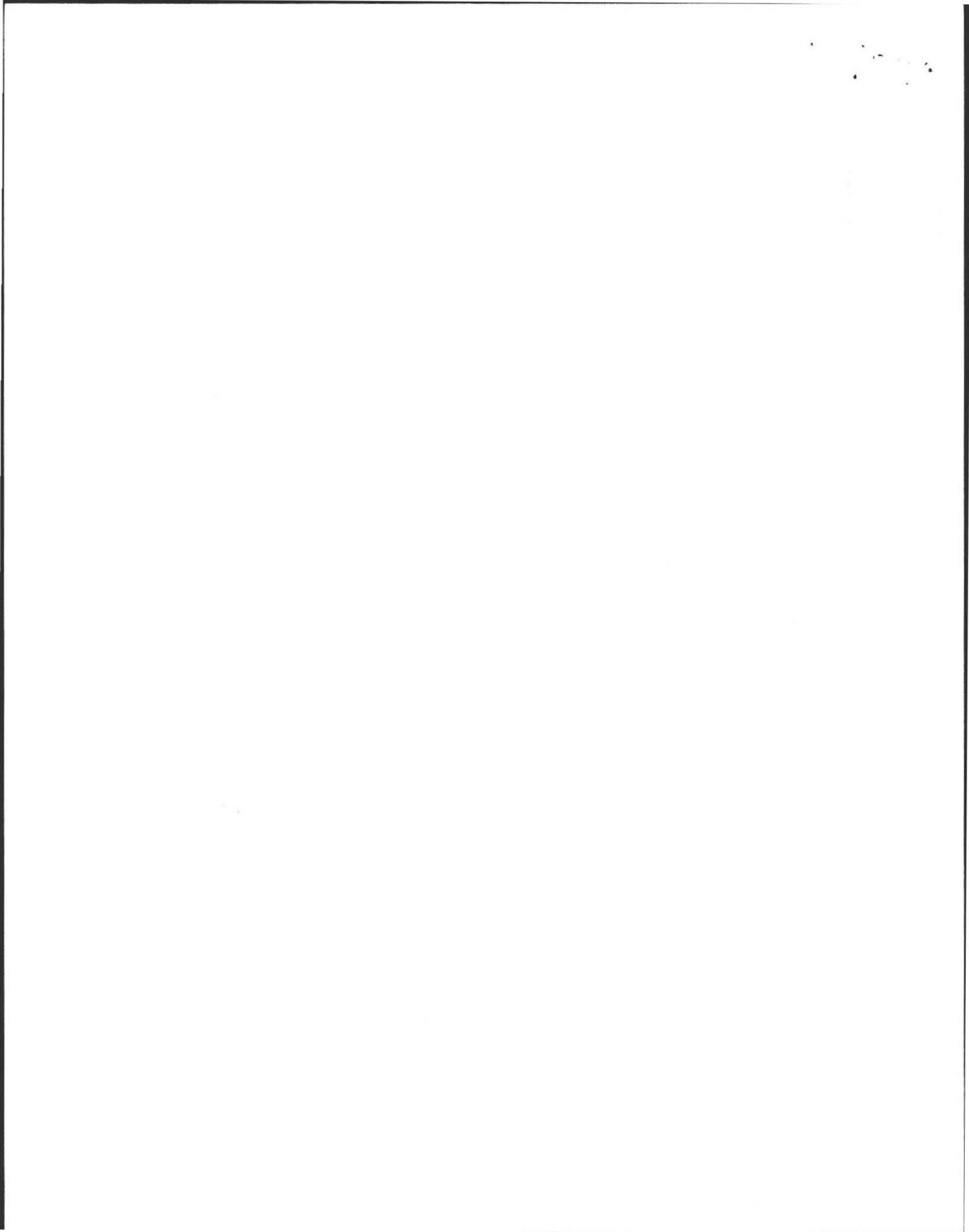
48'
 SEPTIC TANK OUTLET
 TO D-BOX INLET
 AVG. PITCH = 0.14"/FT.

0-8' = 0.10"/FT.
 8-18' = 0.12"/FT.
 18-28' = 0.13"/FT.
 28-38' = 0.22"/FT.
 38-48' = 0.13"/FT.

AS-BUILT ELEVATIONS IN "CLOUDS"
 ARE PER 7-15-98 & 7-17-98 SITE
 INSPECTIONS. RMS 7-17-98



SEPTIC SYSTEM DESIGN A.T 75 MELHANI ST. AMHERST		
SCALE: N.T.S.	APPROVED BY:	DRAWN BY: RMS
DATE: 5-19-93		REVISED 7-17-98 TO ADD AS-BUILT ELEVATIONS
FOR FRANCIS LYMAN BY RICHARD SCOTT, P.E.		
		DRAWING NUMBER



CONSTRUCTION NOTES

THIS DESIGN HAS BEEN COMPLETED AND CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH 310CMR-15.00 (TITLE 5) 12-27-96 REVISION.

BUILDING SEWER IS TO BE PRESERVED AT ITS CURRENT ELEVATION AND COUPLED WITH A LEAK-TIGHT COUPLING TO NEW PIPING TO THE NEW 1500 GALLON SEPTIC TANK

EXISTING SEPTIC TANK IS TO BE PUMPED, CRUSHED, FILLED WITH SAND AND BURIED IN PLACE.

NEW SEPTIC TANK TO BE INSTALLED IS 1500 GALLONS WITH INLET AND OUTLET PIPE TEES AND GAS BAFFLE PER 310CMR-15.223. SEPTIC TANK AND D-BOX TO BE SET ON LEVEL 6" BASE OF CRUSHED STONE.

ALL TOP & SUBSOIL IS TO BE REMOVED FROM THE AREA OF THE SOIL ABSORPTION SYSTEM + 5 FEET ON ALL SIDES. MACHINE-COMPACT SAND MEETING 15.255 REQUIREMENTS TO ESTABLISH A CONSISTENT BASE ELEVATION AS SHOWN ON SHEET 1 OF 2.

— 94 — = EXISTING ELEVATION CONTOURS.

— 94 — = PROPOSED FINISH CONTOURS.

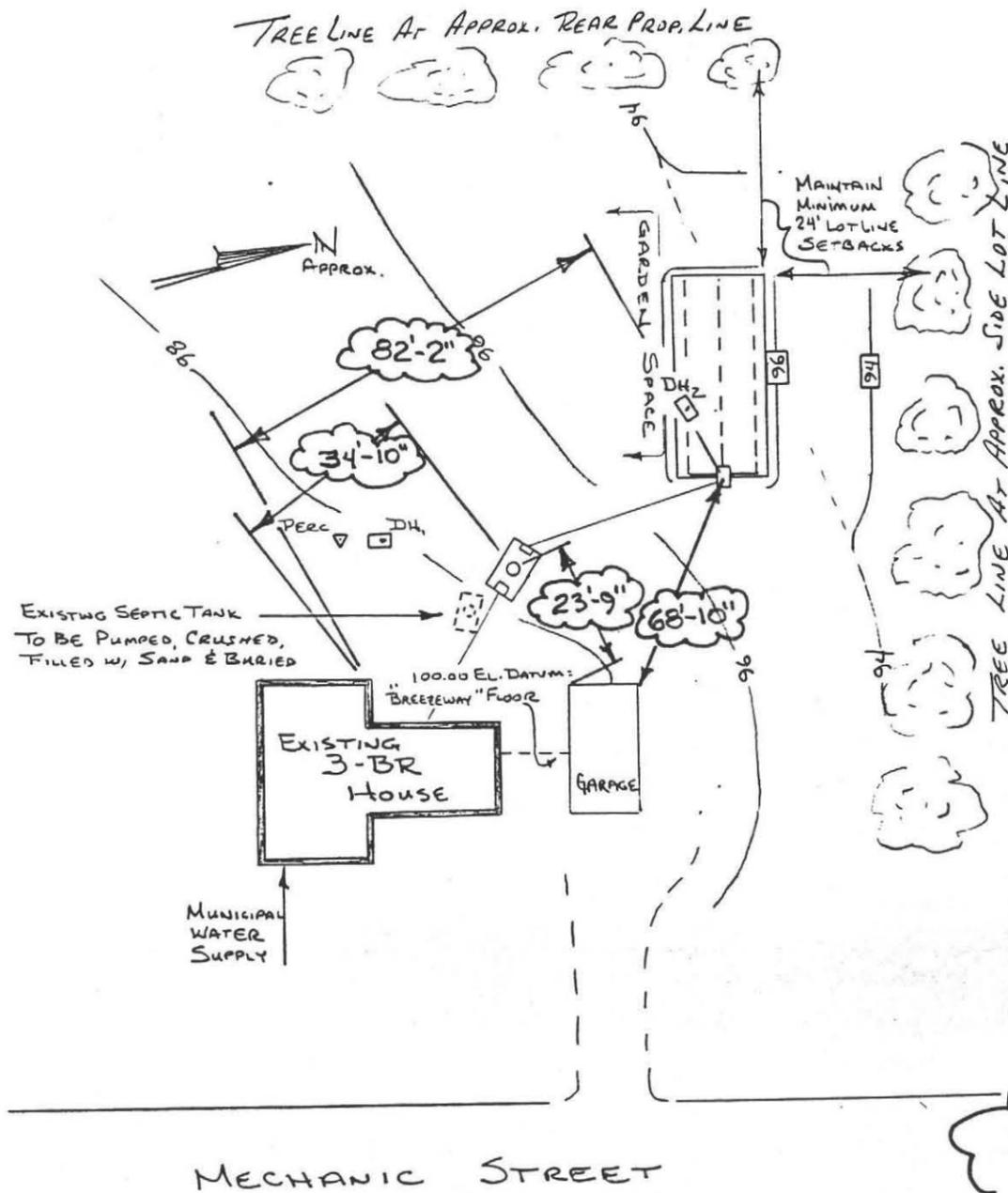
THE SOIL ABSORPTION SYSTEM IS RAISED PRIMARILY ON THE NORTH SIDE. HOLD ELEVATION 95.2 OUT 15 FEET THEN RETURN TO ORIGINAL GROUND AT 1:3 SLOPE.

THIS DESIGN DOES NOT INCLUDE CAPACITY FOR A GARBAGE GRINDER. INSTALLATION OF A GARBAGE GRINDER IS NOT ALLOWED.

PER AMHERST REGULATION, IN-PROCESS INSPECTION AND FINAL AS-BUILT INSPECTIONS ARE REQUIRED. FOR INSPECTIONS CONTACT:

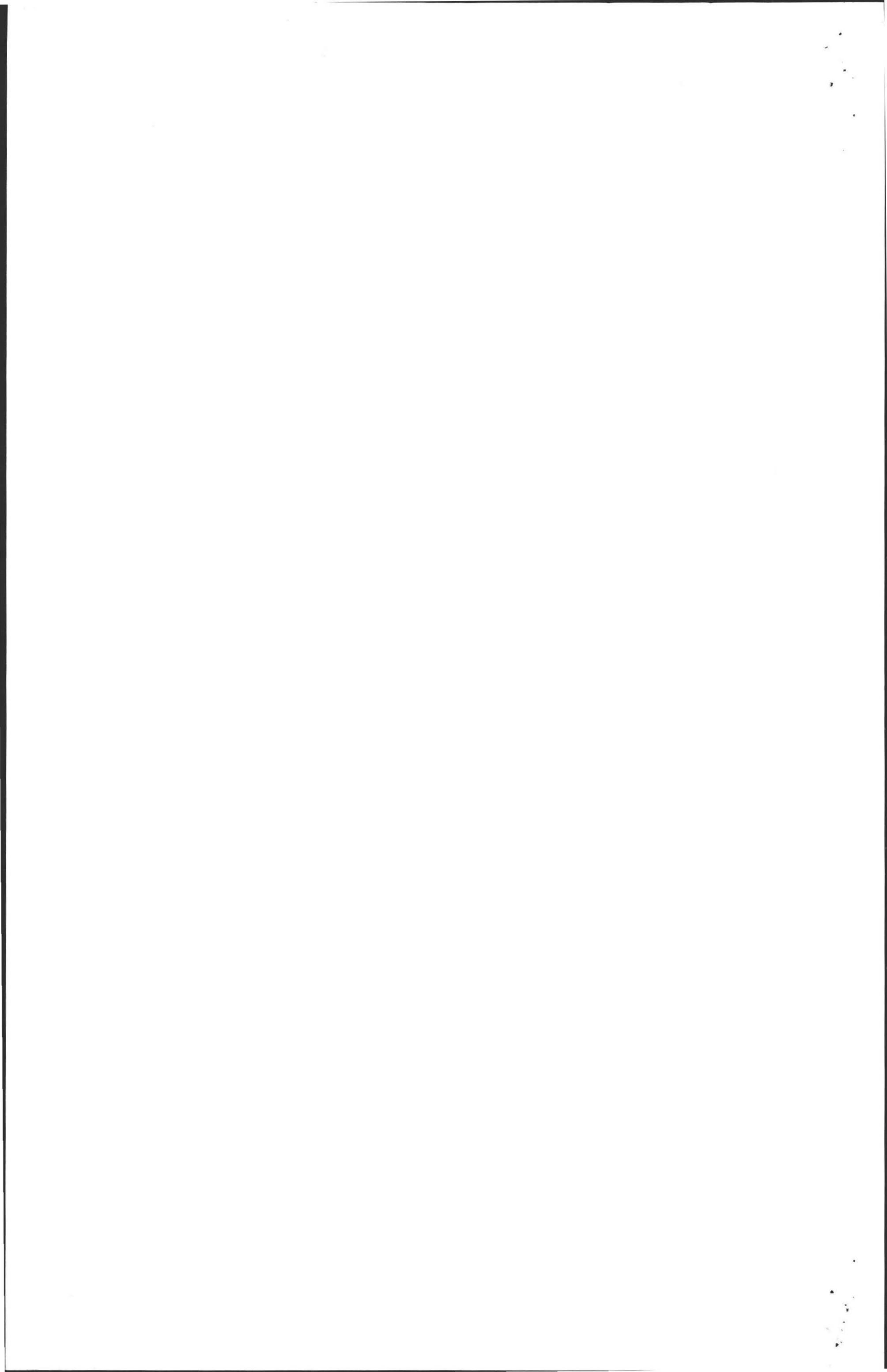
DESIGNER: (413) 256-0647

HEALTH AGENT: (413) 256-4030



AS-BUILT DIMENSIONS PER
SITE INSPECTION ON 7-15-98
RMS
7-17-98

SEPTIC SYSTEM DESIGN		
AT 75 MECHANIC STREET, AMHERST		
SCALE: 1"=30'	APPROVED BY:	DRAWN BY RMS
DATE: 5-19-98		REVISED 7-17-98 TO ADD AS-BUILT DIM'S
FOR FRANCIS LYMAN BY RICHARD SCOTT, P.E.		
		DRAWING NUMBER



**TOWN OF AMHERST
HEALTH PERMITS/ INSPECTION SERVICES**

No. **0298**

Received of Francis B Symon of 75 Mechanic St. Amherst
Name Address
 For Property Located at: Same
Street Address Owner

- | | | | |
|--|---------------|---|--------------|
| HEA009 Bakery
R6510 443508 | _____ | HEA014 Retail Store Permit
R6510 443514 | _____ |
| HEA001 Bed & Breakfast
R6510 443516 | _____ | HEA015 Sanitary Code Booklets
R6510 432305 | _____ |
| HEA025 Burial Permits
R6510 443517 | _____ | HEA016 Septic Tank Permit-Installers
R6510 443511 | _____ |
| HEA002 Catering License
R6510 443507 | _____ | HEA017 Septic Tank Permit-Private
R6510 443510 | <u>60.00</u> |
| HEA003 Food Handler
R6510 443515 | _____ | HEA018 Septic Tank Reinspection Fee
R6510 432301 | _____ |
| HEA004 Frozen Desserts
R6510 443501 | _____ | HEA026 Smoking & Tobacco Reg. Violations
R6510 443518 | _____ |
| HEA024 Funeral Director License
R6510 443502 | _____ | HEA019 Sub-Division Review Fee
R6510 432306 | _____ |
| HEA005 Health Dept. Housing Insp.
R6510 432302 | _____ | HEA012 Swimming Pool Permits
R6510 443512 | _____ |
| HEA006 Massage Therapy License
R6510 443504 | _____ | HEA023 TB Clinic
R6510 432303 | _____ |
| HEA007 Milk & Cream License
R6510 443500 | _____ | HEA020 Tanning License
R6510 443509 | _____ |
| HEA008 Motel License
R6510 443506 | _____ | HEA022 Tobacco License
R6510 443505 | _____ |
| HEA010 Removal of Offal
R6510 443513 | _____ | HEA | _____ |
| HEA011 Percolation Test Fees
R6510 432300 | <u>100.00</u> | HEA | _____ |
| HEA013 Recreation Camp License.
R6510 443503 | _____ | | |

TOTAL FEE: 160.00 *Cash*

4/1/98
Date

Inspection Services/Health Department



Must be validated by the Collector's Office to be considered paid.

