

68-20

#228

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 68-20 Date Dec. 3, 1969 Fee 3.00 Date Rec'd. 12-3-69 By [Signature]

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

Location—Address Next to 228 234 Henry St. or Lot No. _____

Owner Clayton Pratt Address 234 Henry St.

Contractor _____ Address _____

Type of Building Dwelling Dimensions 26' x 38' Size Lot Almost acre

Dwelling—No. of Bedrooms 3 Expansion Attic (n^o) _____ Garbage Grinder (n^o) _____

Other _____ No. of persons _____ Showers () _____

Other fixtures _____

Town Water? YES Type of Well _____

Design Flow 30 gallons per person per day. Total daily flow _____ gallons

Septic Tank—Liquid capacity 900 gallons Dimensions: L _____ W _____ D _____

Disposal Trench—No. 2 Width 2 Total Length 100 Total leaching area 200 sq. ft.

Disposal Bed—No. 1 Diameter 10 x 30 Depth below inlet _____ Total leaching area 300 sq. ft.

Dry Well—No. _____ Diameter _____ Depth below inlet _____ Dimensions: _____ x _____ x _____

Other: Distribution box () No. _____ Dosing tank () _____

(Depth of Soil Line Below finished grade at foundation _____)

Percolation Test Results Performed by Diabe Date 12-3-69

Test Pit No. 1 2 minutes per inch Depth of Test Pit 30"

Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____

Description of Soil COARSE GRAVEL Depth to Ground Water 12' 2"

Will disposal area be filled? NO Cut down? _____

(On reverse side or separate sheet, show plot plan with building. Include dimensions, distances from all boundaries. Show location of wells, streams, ledge, large trees, etc.)

AGREEMENT: The undersigned agrees to construct the aforescribed individual sewage disposal system in accordance with the provisions of Article XI of the Sanitary Code and regulation of the Amherst Board of Health. The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by this board of health.

Clayton E. Pratt 12-3-69
Owner or builder date

Application Approved by [Signature]

Application Disapproved for the following reasons:

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
CERTIFICATE OF COMPLIANCE

THIS IS TO CERTIFY, That the individual Sewage Disposal system installed () or repaired () by _____ at _____ has been construed in accordance with the provisions of

INSTALLER

Article XI 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 satisfactorily.

DATE _____

Inspector _____

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
DISPOSAL WORKS CONSTRUCTION PERMIT

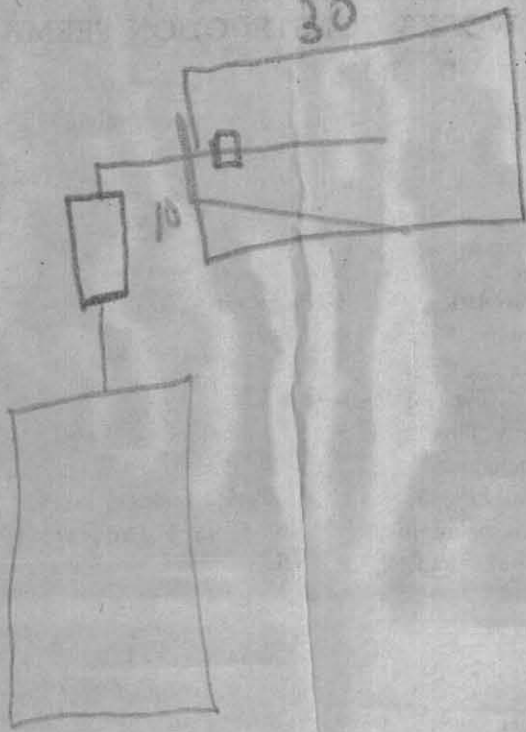
No. 69-20 Permission is hereby granted CLAYTON PRATT to construct (X) or repair () an Individual Sewage Disposal System at NEXT TO 234 HENRY ST

as shown on the application for Disposal Works Construction Permit No. 69-20

This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.

DATE 12-3-69

[Signature]
Board of Health



Rono

HUNTLEY

ALMER HUNTLEY, JR. & ASSOCIATES, INC.
SURVEYORS · ENGINEERS · LANDSCAPE ARCHITECTS

January 26, 1999

RECEIVED JAN 27 1999

Amherst Health Department
Bangs Community Center
70 Boltwood Avenue
Amherst, MA 01002

RE:*Installation of the Repair System
Marie H. Pratt
228 Henry Street, Amherst MA
Huntley No. 98-108*

Dear Board of Health:

Based on the inspections performed by our office during the installation of the repair system for Marie H. Pratt at 228 Henry Street, Amherst MA. The system appears to have been constructed conforming to the Title V, Sanitary Code requirements.

We have enclosed the Certificate of Compliance and request that the Board issue their certificate. Thank you for your attention to this matter. Please find enclosed one (1) copy of the record plans and the certificate. Should you have any questions please do not hesitate to contact our office.

Very truly yours,

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

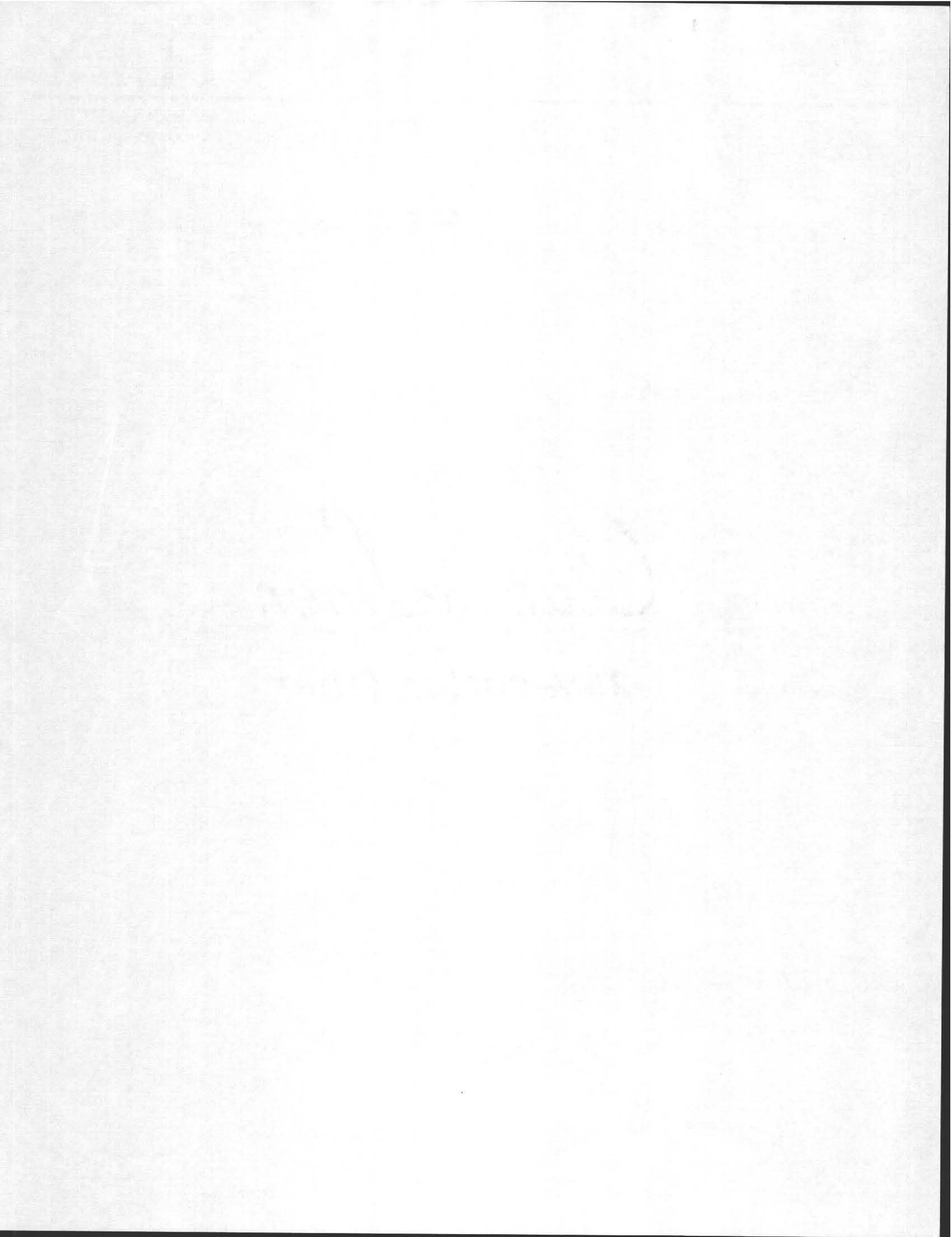
Rebecca Sherer

Rebecca Sherer, P.E.
Project Manager

RLS: cjm

cc: Marie H. Pratt

Enclosure



FORM 3A - CERTIFICATE OF COMPLIANCE

No. _____

Fee _____

COMMONWEALTH OF MASSACHUSETTS
Board of Health, Amherst, MA.

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

The undersigned hereby certify that the Sewage Disposal System;

Constructed (), Repaired (x), Upgraded (), Abandoned ()

by: Marie H. Pratt

at: 228 Henry Street

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. _____

dated _____ Approved Design-Flow 330 (gpd)

Installer Karl's Excavating

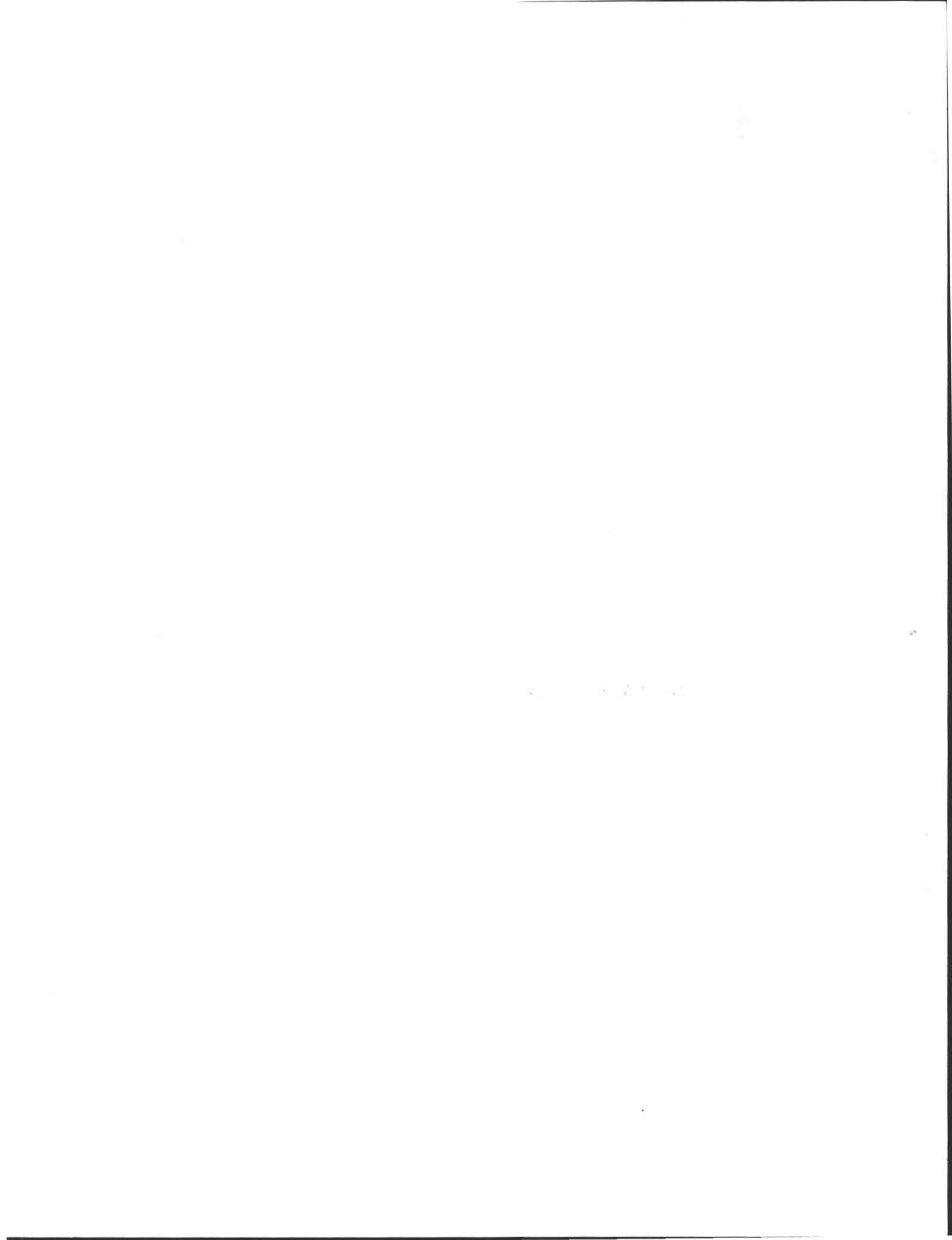
Designer: Rebecca A. Sherr
Huntley Associates Inspector _____

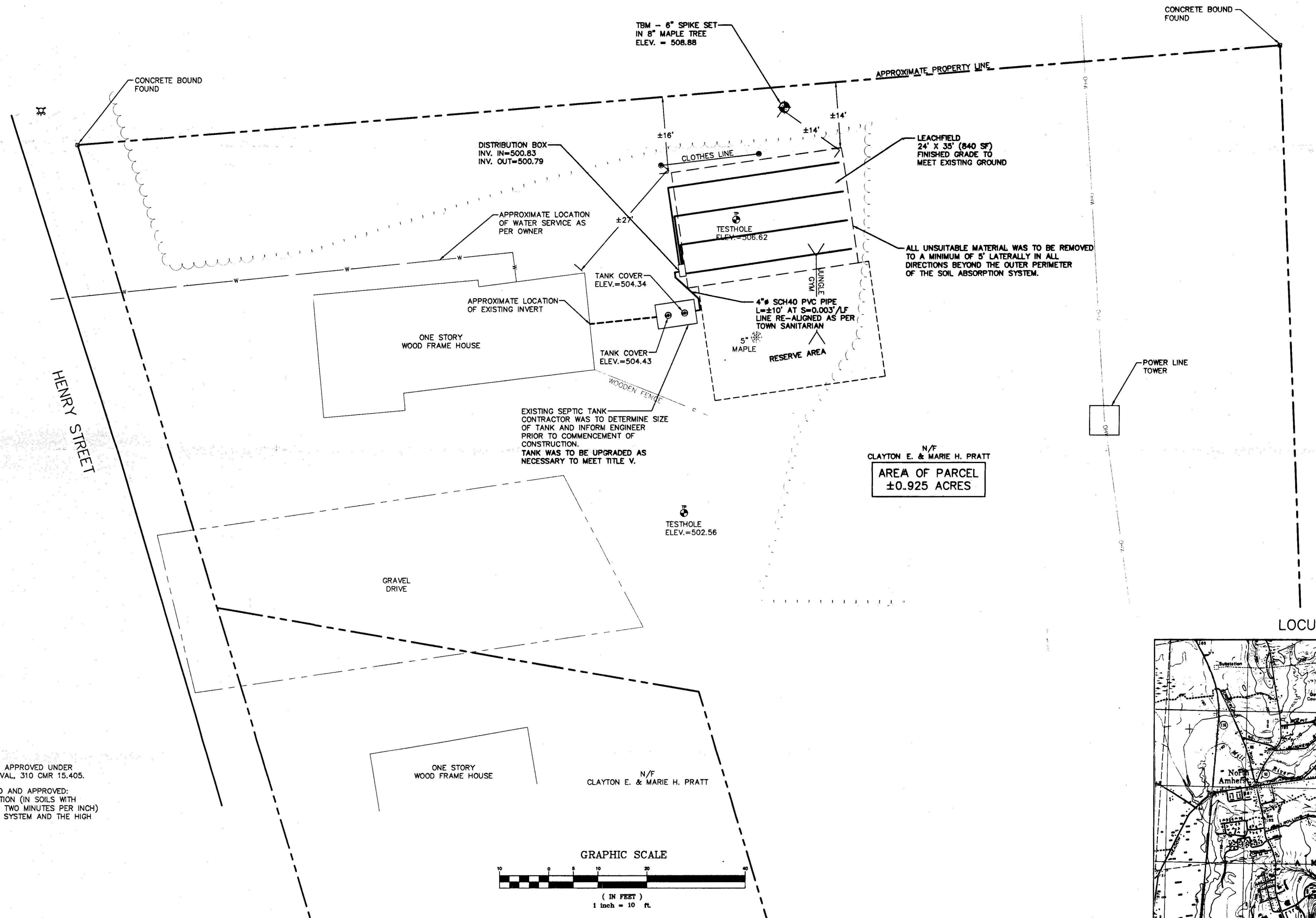
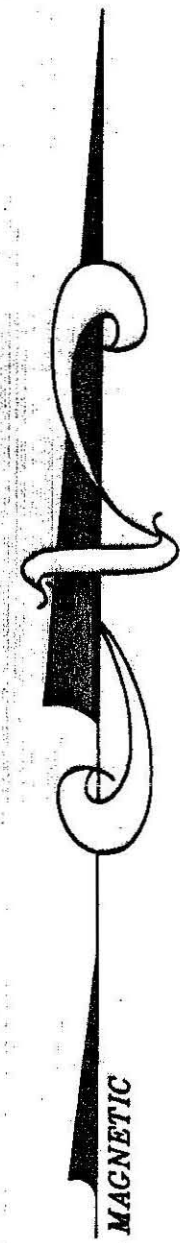
Date January 26, 1999

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

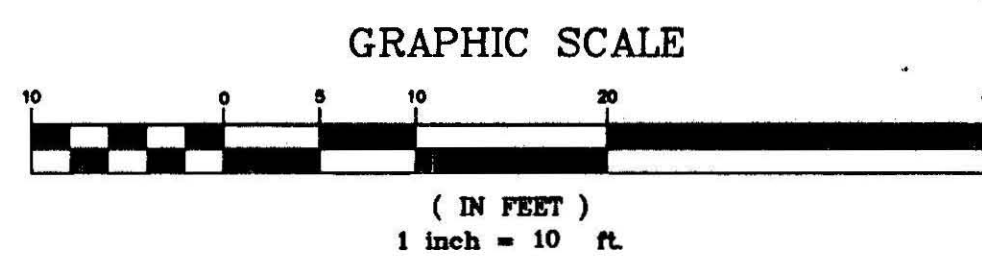


DEP APPROVED FORM 5/96



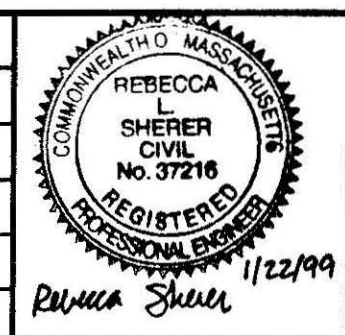


NOTES:
 THE SEPTIC REPAIR DESIGN WAS SUBMITTED AND APPROVED UNDER THE REQUIREMENTS FOR LOCAL UPGRADE APPROVAL, 310 CMR 15.405.
 THE FOLLOWING LOCAL UPGRADE WAS REQUESTED AND APPROVED: 15.405(1)(1)(2); A MINIMUM THREE FOOT SEPARATION (IN SOILS WITH A RECORDED PERCOLATION RATE OF MORE THAN TWO MINUTES PER INCH) BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION IS MAINTAINED.



NO.	DATE	BY	REVISIONS

CURRENT DATE:	1/18/99	HORIZ SCALE:	1" = 10'
FIELD WORK:	WW/SH/PO	VERT SCALE:	N/A
COMPS:	A.J.M.	FINAL DATE:	1/22/99
SURVEYOR:	R.L.S.	CHECKED:	RLS
ENGINEER:	R.L.S.	DESIGN:	A.J.M.
		DRAFTING:	A.J.M.



SITE PLAN

RECORD PLAN OF SEWAGE DISPOSAL SYSTEM REPAIR
 PREPARED FOR
MARIE H. PRATT
 LOCATED AT
 228 HENRY STREET
 AMHERST, MASSACHUSETTS

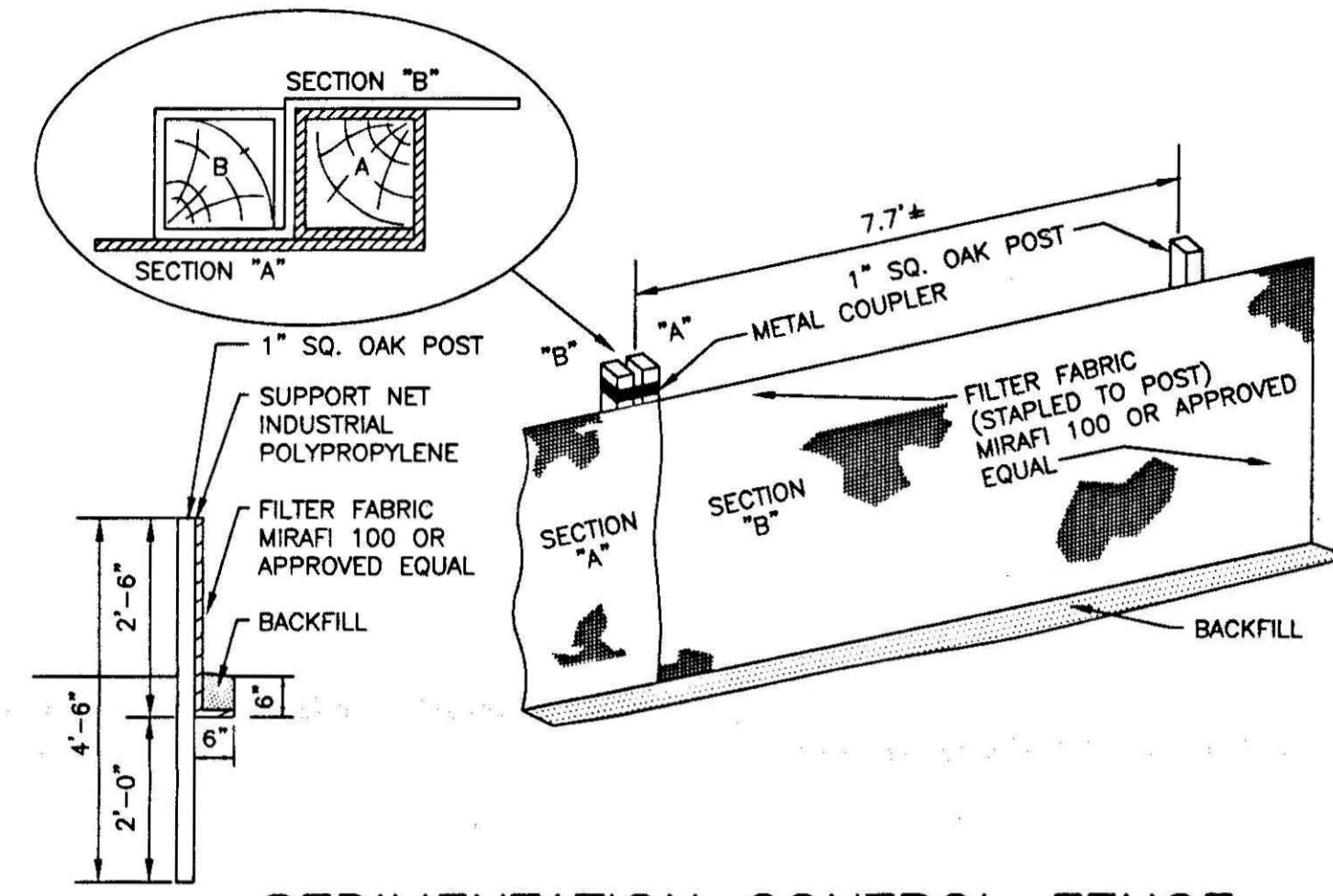
HUNTLEY
 ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 SURVEYORS ENGINEERS LANDSCAPE ARCHITECTS
 30 INDUSTRIAL DRIVE EAST
 NORTHAMPTON, MASSACHUSETTS

PROJECT NO:	98-108
DRAWING NO:	98100R1
FILE NO:	
SHEET NO.	1 OF 2

DEEP HOLE # 1 DATE: 7/29/97 CSE: ROBERT STOVER TOWN OBSERVER: DAVID LAROZINSKI EL=±506.62

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 _p	Fine Sandy Loam	7.5 YR 3/3	----	GRAVELLY VERY FINE
6-24"	B _w	Very Fine Sandy Loam	10YR 4/6	----	BLOCKY, FRIABLE.
24-53"	C ₁	Med. Sand	7.5YR 4/6	----	OUTWASH, LOOSE MANY STONES, BOULDERS GRAVELY
53-124"	C ₂	Fine Sandy	2.5YR 5/3	----	TILL GRAVELY

Parent Material (geologic): _____ Ledge: >124" Percolation Rate: 25 MIN./IN.
 Standing Water: NONE Weeping from Pit Face: NONE Percolation Depth: 72"
 Estimated Seasonal High Ground Water: >124" Percolation Design Rate: 25 MIN./IN.

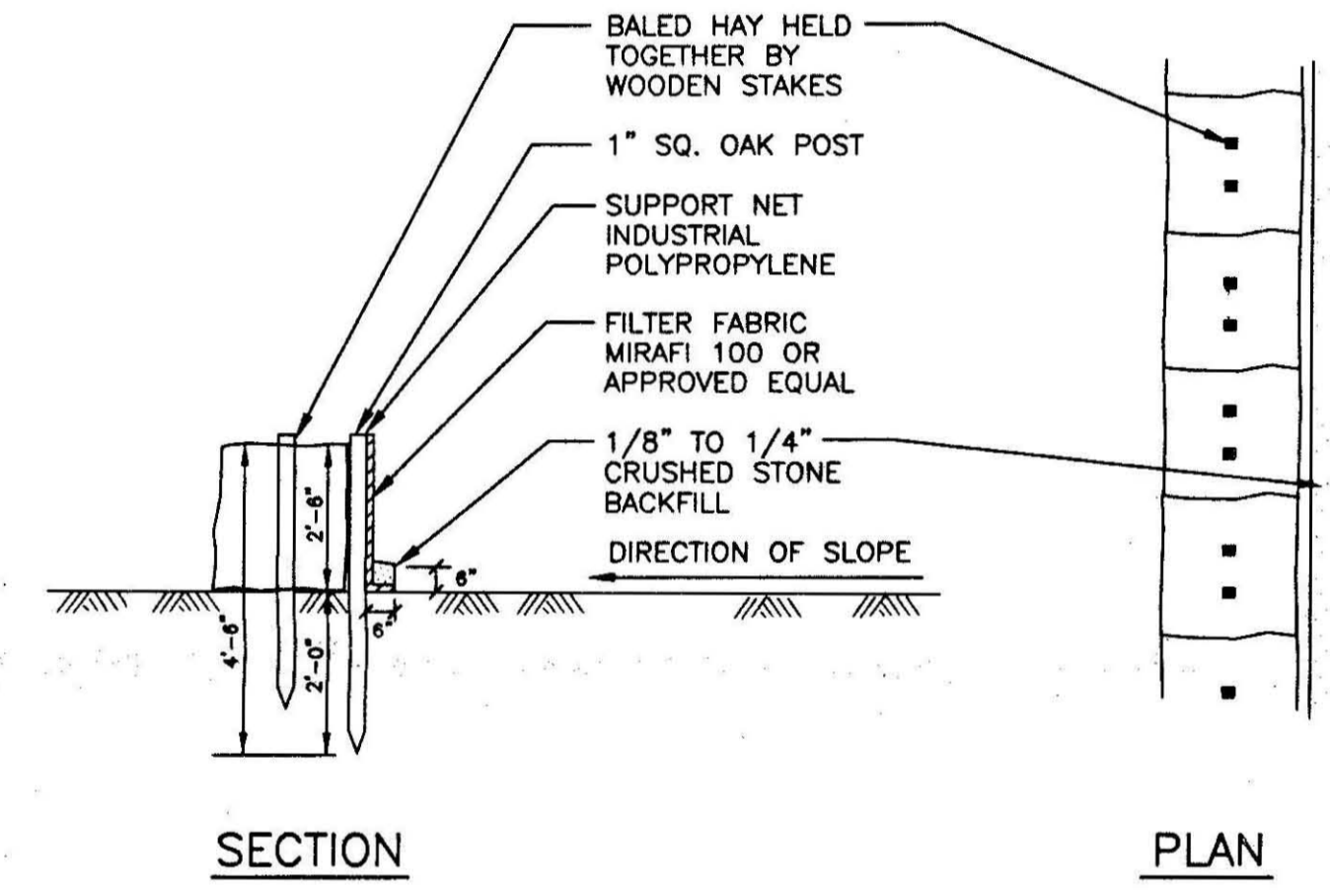


SEDIMENTATION CONTROL FENCE N.T.S.

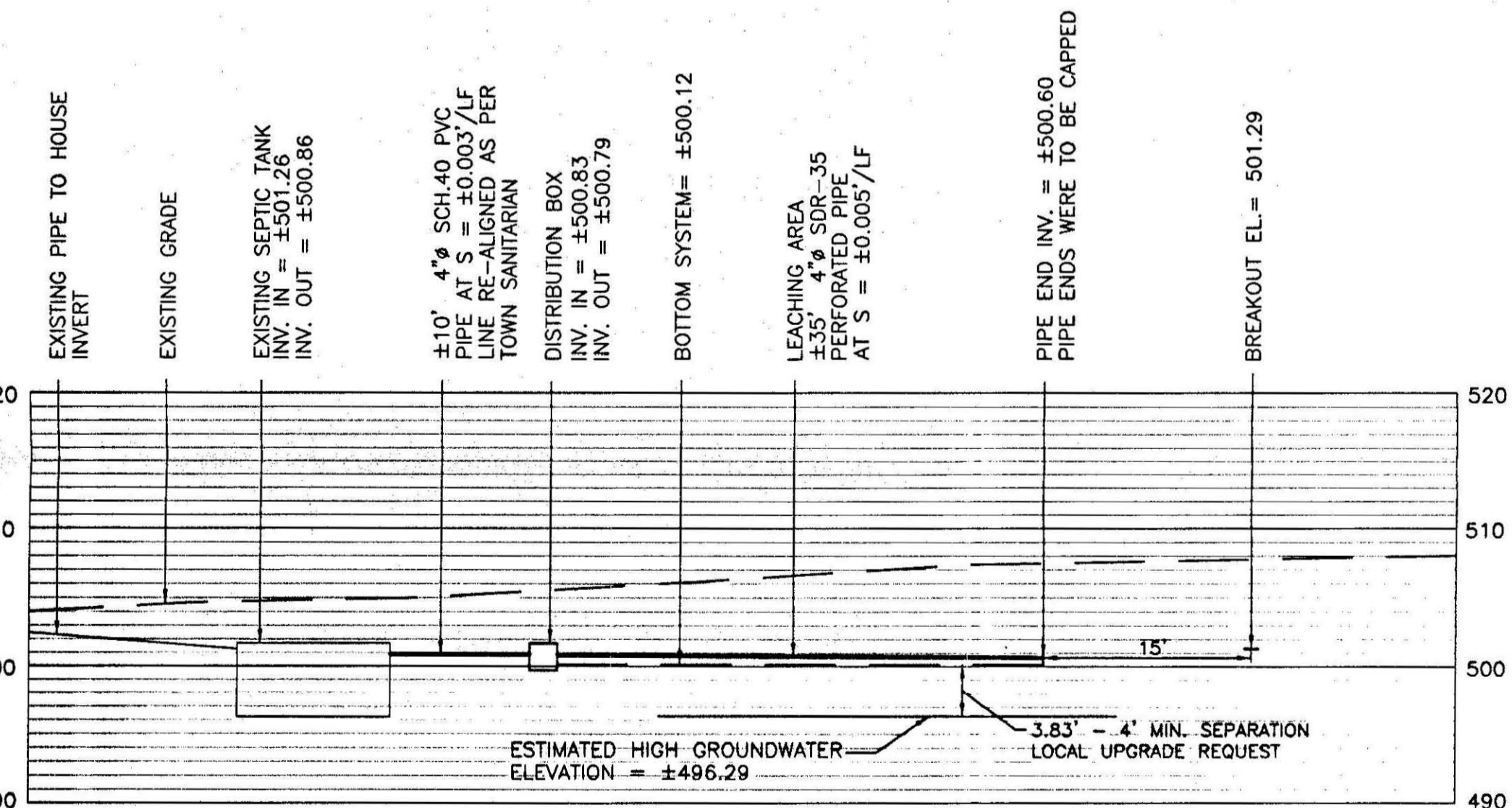
DEEP HOLE # 2 DATE: 7/29/97 CSE: ROBERT STOVER TOWN OBSERVER: DAVID LAROZINSKI EL=±502.56

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 _p	Fine Sandy Loam	7.5 YR 3/3	----	GRAVELLY VERY FINE
6-20"	B _w	Very Fine Sandy Loam	10YR 4/6	----	BLOCKY, FRIABLE.
20-48"	C ₁	Med. Sand	7.5YR 4/6	----	OUTWASH, LOOSE MANY STONES, BOULDERS GRAVELY
48-96"	C ₂	Fine Sandy	2.5YR 5/3	----	TILL GRAVELY

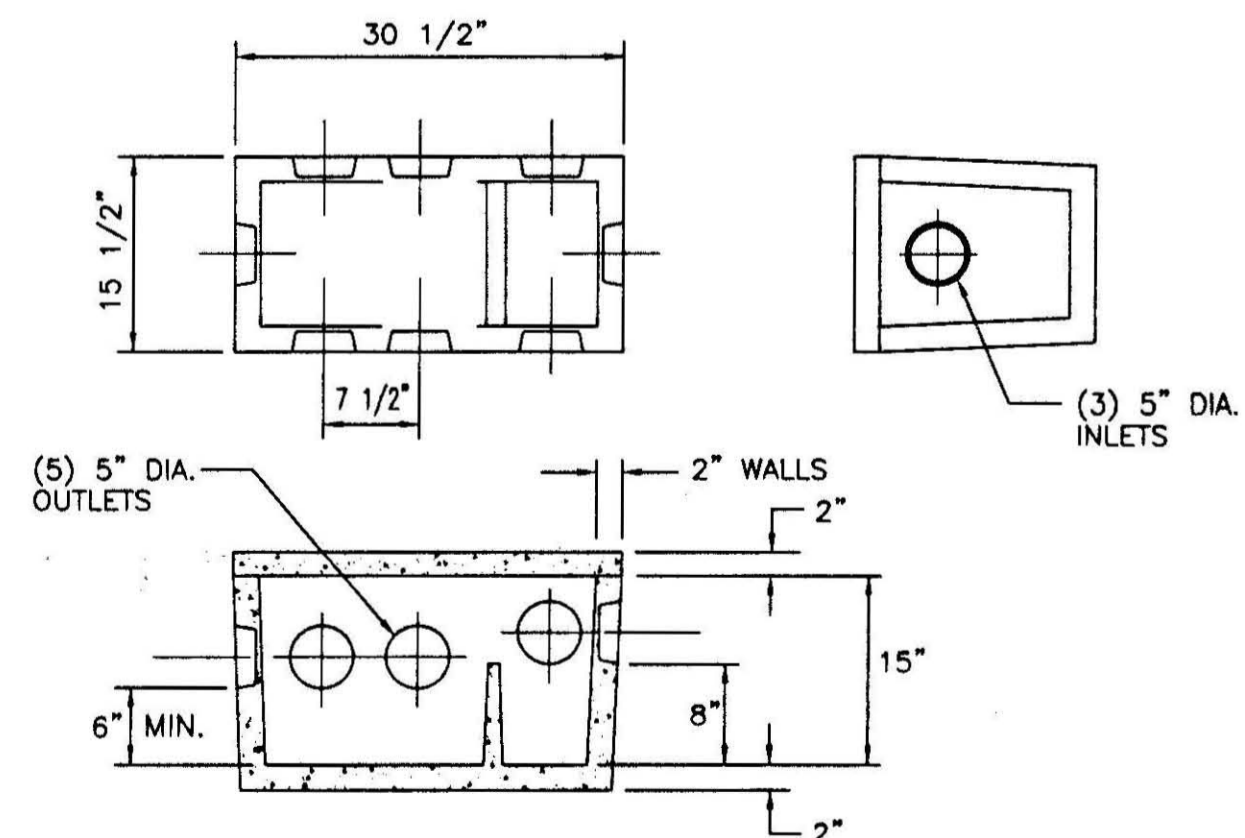
Parent Material (geologic): _____ Ledge: >96" Percolation Rate: 25 MIN./IN.
 Standing Water: NONE Weeping from Pit Face: NONE Percolation Depth: 72"
 Estimated Seasonal High Ground Water: >96" Percolation Design Rate: 25 MIN./IN.



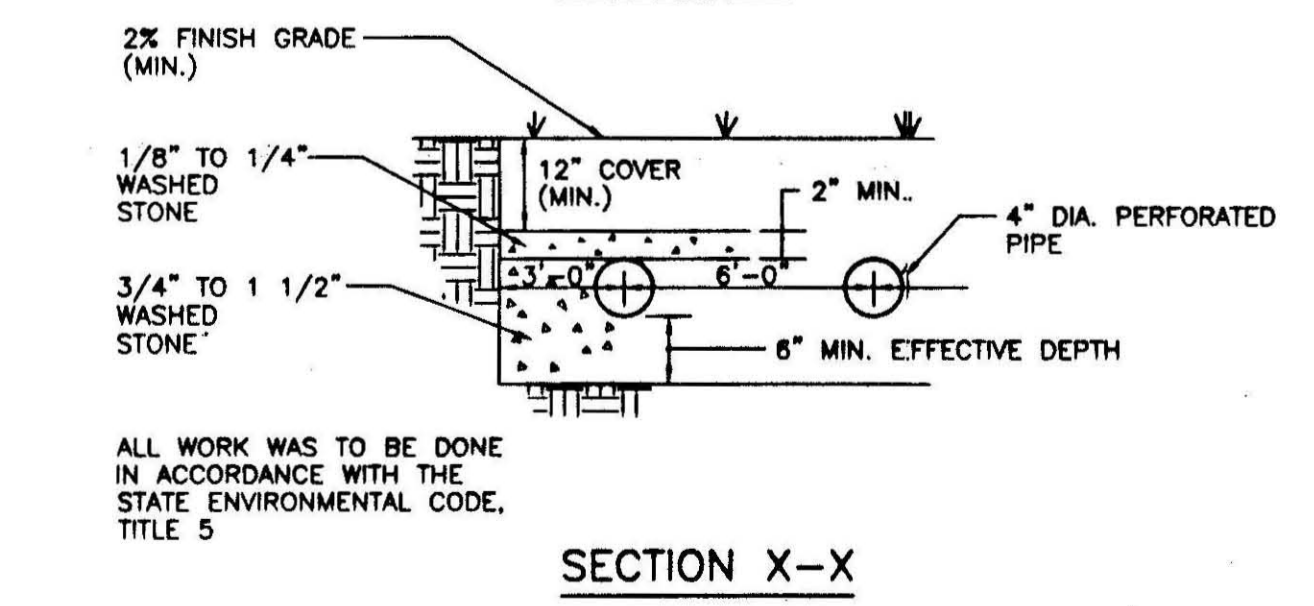
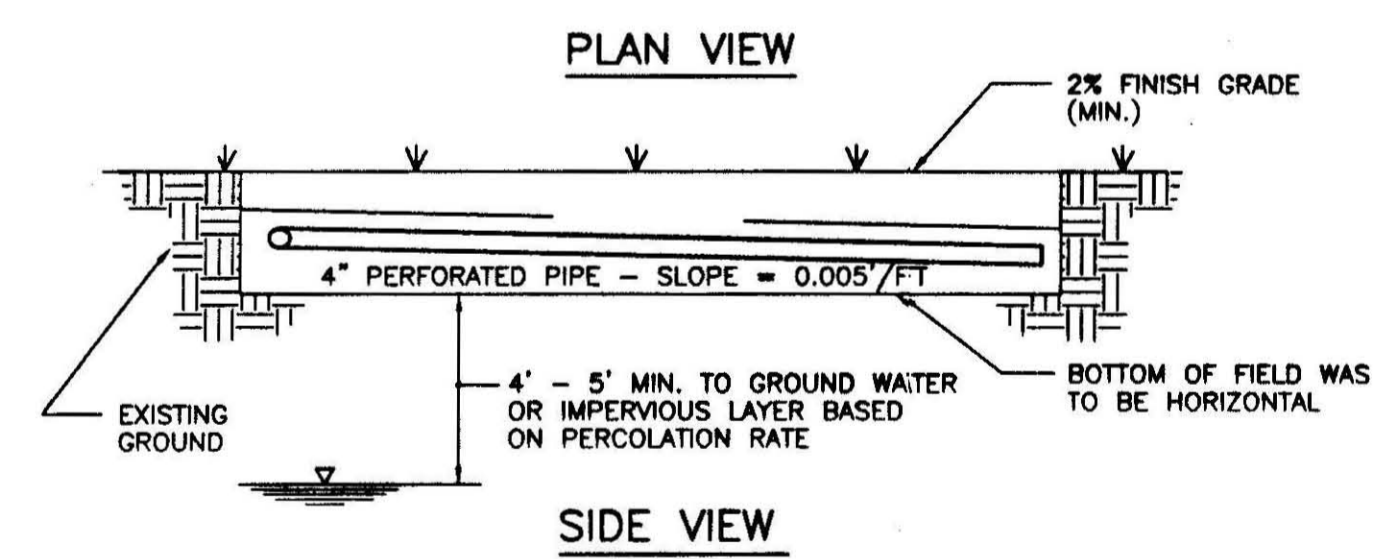
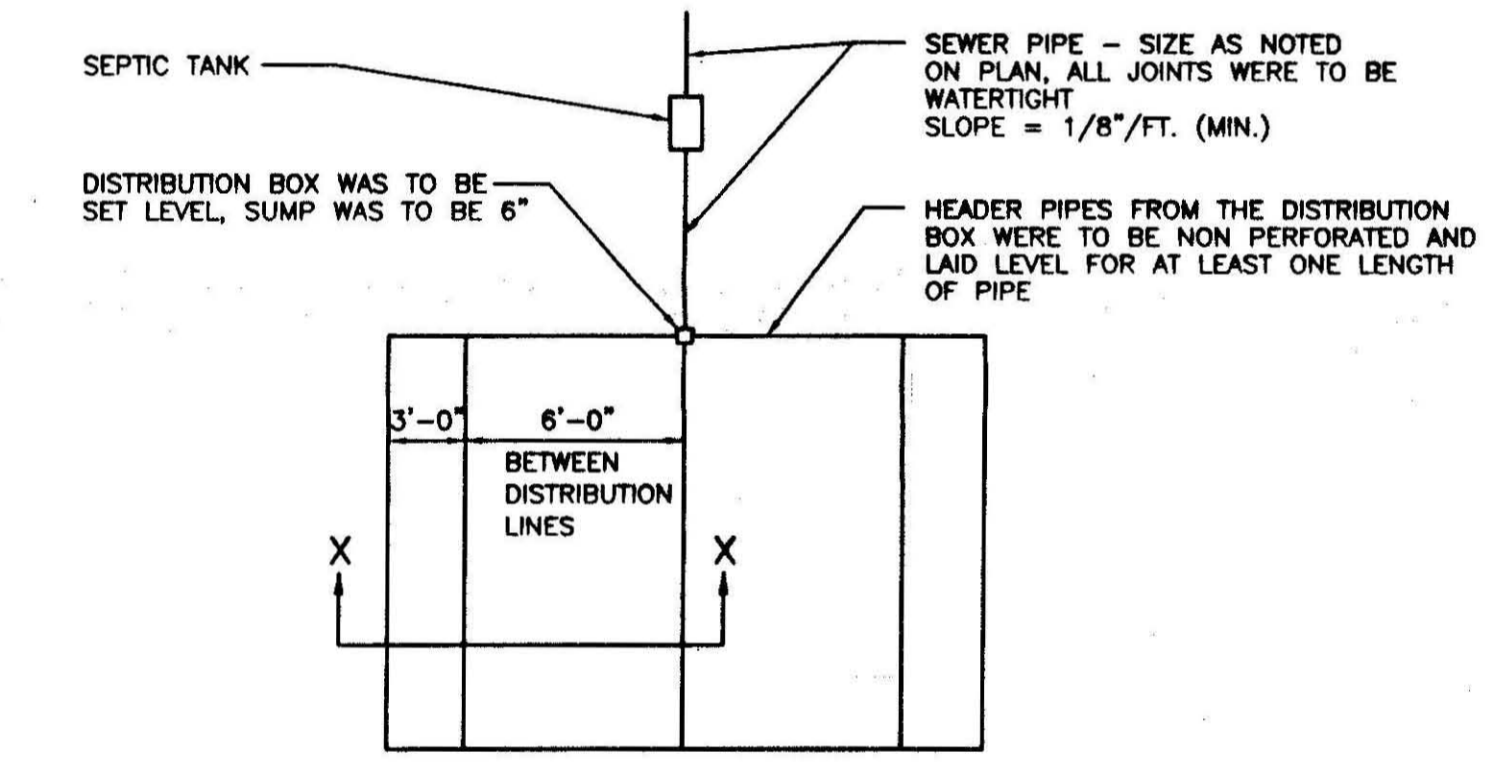
SEDIMENTATION CONTROL FENCE W/BALED HAY BACKING N.T.S.



PROFILE HORIZ. & VERT. SCALE: 1"=10'



PRECAST DISTRIBUTION BOX WITH BAFFLE N.T.S.



SECTION X-X LEACHING FIELD N.T.S.

- ### GENERAL EROSION CONTROL GUIDELINES
- ALL AREAS THAT WERE DISTURBED DURING GRADING OPERATIONS WHICH WERE NOT TO BE PAVED WERE TO RECEIVE 6" MIN. LOAM AND SEED.
 - EROSION CONTROL MEASURES WERE TO BE INCORPORATED IN THE SEQUENCE OF CONSTRUCTION TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE.
 - NATURAL VEGETATION WAS TO BE RETAINED WHENEVER FEASIBLE UP TO THE SCHEDULED START OF A CONSTRUCTION ACTIVITY IN THE AREA. WHERE POSSIBLE, CLEARING WAS TO IMMEDIATELY PROCEED CONSTRUCTION ACTIVITY.
 - AREAS SUBJECT TO EROSION WERE TO BE MINIMIZED IN TERMS OF TIME AND AREA.
 - IN GENERAL, WORK REQUIRING EROSION CONTROL INCLUDED EXCAVATIONS, FILLS, DRAINAGE, SWALES AND DITCHES, ROUGH AND FINISH GRADING, AND STOCKPILING OF EARTH.
 - EROSION CONTROL MEASURES WERE, WHERE APPLICABLE, TO INCORPORATE AT LEAST THE FOLLOWING PROCEDURES DETAILED ON THIS DRAWING.
 - TEMPORARY BARRIER OF HAY BALES TO PREVENT SEDIMENT-LADEN WATER FROM ENTERING INCOMPLETE STORM DRAINAGE SYSTEM.
 - TEMPORARY BARRIER OF HAY BALES TO ACT AS EROSION CHECKS AT THE TOES OF EMBANKMENTS AND SLOPES.
 - TEMPORARY EARTH BERMS TO ACT AS SEDIMENT TRAPS IN AREAS OF EXTREME RUNOFF.
 - TEMPORARY EROSION CHECKS IN DITCHES AND SWALES TO PREVENT SEDIMENT-LADEN WATER FROM ENTERING BODIES OF SURFACE.
 - PROVIDE TEMPORARY SLOPE EROSION CONTROL WHERE REQUIRED.
 - FILL AND GRADING SHALL BE TREATED WITH SLOPE STABILIZATION SEEDING OR GROUND COVER AND HAY MULCH UPON COMPLETION.
 - ADDITIONAL EROSION CONTROL MEASURES WERE TO BE INCORPORATED AS DIRECTED BY THE ENGINEER WHEN THE EXISTING MEASURES WERE INADEQUATE.
 - EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL THE EMBANKMENT OR FINISHED GRADE IS STABILIZED. EROSION CONTROL MEASURES SHALL THEN BE REMOVED AND THE AREAS ARE TO BE FINISH GRADED AND PLANTED AS SHOWN ON DRAWINGS.

- ### RECORD NOTES
- THE CONDITIONS DEPICTED ON THESE PLANS ARE THE RESULT OF AN ENGINEERING DESIGN AND ARE NOT INTENDED FOR THE DETERMINATION OF PROPERTY LINES.
 - HUNTLEY ASSOCIATES TAKES NO RESPONSIBILITY FOR A CONTRACTOR'S ALTERATIONS OR UTILIZATION OF MATERIALS NOT SPECIFIED IN THE DESIGN PLANS WITHOUT WRITTEN NOTIFICATION FOR APPROVAL PRIOR TO INSTALLATION.
 - HUNTLEY ASSOCIATES' REPRESENTATIVES WERE PRESENT TO INSPECT THE FILL AND THE BOTTOM OF THE SYSTEM PRIOR TO THE INSTALLATION OF THE LEACHFIELD AND ALSO FOR A FINAL INSPECTION PRIOR TO THE COVERING AND COMPLETION OF THE SYSTEM. DUE TO THE FACT THAT HUNTLEY ASSOCIATES' REPRESENTATIVES WERE NOT ON SITE DURING ALL PHASES OF CONSTRUCTION, HUNTLEY ASSOCIATES TAKES NO RESPONSIBILITY FOR ACTIONS OR PROCEDURES UTILIZED BY THE CONTRACTOR AND UNOBSERVED DURING THE ABOVE MENTIONED INSPECTIONS.
 - THESE PLANS MAY NOT DEPICT ALL EXISTING OR PROPOSED UTILITIES AT THE SITE. HUNTLEY ASSOCIATES TAKES NO RESPONSIBILITY FOR UTILITIES NOT DEPICTED ON THESE PLANS.
 - ALL SEWER PIPING FROM THE HOUSE TO THE SEPTIC TANK, TO THE DISTRIBUTION BOX AND HEADER PIPING SHALL BE 4" PVC PIPE, AS SPECIFIED. HUNTLEY ASSOCIATES TAKES NO RESPONSIBILITY FOR THE INSTALLATION AND UTILIZATION OF OTHER UNSPECIFIED MATERIALS.
 - THE DISTRIBUTION LINES SHALL BE 4" PVC PERFORATED PIPE, AS SPECIFIED. HUNTLEY ASSOCIATES TAKES NO RESPONSIBILITY FOR THE INSTALLATION AND UTILIZATION OF UNSPECIFIED MATERIALS.
 - THE CONTRACTOR WAS RESPONSIBLE FOR HORIZONTAL AND VERTICAL CONTROL RELATIVE TO THE ESTABLISHMENT OF LAYOUT AND GRADES FOR CONSTRUCTION.
 - THE SEPTIC TANK SHOULD BE INSPECTED AND CLEANED ON A REGULAR BASIS AS PER TITLE 5, SUBPART D: INSPECTION AND MAINTENANCE OF SYSTEMS, 15.351, SYSTEM PUMPING AND ROUTINE MAINTENANCE.
 - DURING INSPECTION INVERTS AND GRADES APPEARED TO BE WITHIN ACCEPTABLE TOLERANCES, EXCEPT WHERE NOTED.

DAILY DESIGN FLOW & EFFLUENT LOADING RATE

3 BEDROOMS x 2 PERSONS/BEDROOM = 6 PERSONS
 6 PERSONS x 55 GALLONS OF WASTEWATER/PERSON/DAY = 330 TOTAL GALLONS OF WASTEWATER/DAY

PERCOLATION RATE: 25 MIN./INCH

GALLONS OF WASTEWATER/SQUARE FEET OF LEACH AREA FOR A PERCOLATION RATE OF: 25 MIN./INCH = 0.40 GAL/SF BOTTOM AREA

LEACHING AREA DESIGN

TOTAL DAILY FLOW 330 GAL./DAY + LOADING RATE 0.40 GPD/S.F. = AREA LEACHING (REQUIRED) 825 S.F.

LEACH FIELD AREA DESIGN 840 SQ. FT.: 24' WIDE x 35' LONG.

SEPTIC TANK DESIGN WITHOUT GARBAGE DISPOSAL

330 GALLONS OF WASTEWATER/DAY x 200% = 660 GALLONS REQUIRED EFFECTIVE LIQUID CAPACITY OF SEPTIC TANK.

MINIMUM TANK SIZE REQUIRED WITHOUT GARBAGE GRINDER: 1500 GALLON SEPTIC TANK

GARBAGE GRINDER NOT ALLOWED WITH THIS DESIGN

CURRENT DATE: 1/18/99		HORIZ SCALE: AS NOTED			RECORD PLAN OF SEWAGE DISPOSAL SYSTEM REPAIR PREPARED FOR MARIE H. PRATT LOCATED AT 228 HENRY STREET AMHERST, MASSACHUSETTS	ALMER HUNTLEY, JR. & ASSOCIATES, INC. SURVEYORS ENGINEERS LANDSCAPE ARCHITECTS 30 INDUSTRIAL DRIVE EAST NORTHAMPTON, MASSACHUSETTS	PROJECT NO: 98-108
FIELD WORK: P.O.		VERT SCALE: N/A					DRAWING NO: 9810BR2
COMPS: A., M.		FINAL DATE: 1/22/99					FILE NO:
SURVEYOR: A.J.M.		CHECKED: RLS					SHEET NO.
ENGINEER: R.L.S.		DESIGN: A.J.M.		2 OF 2			

228 - 234 Henry St.
Christine Pratt

John Lashby
20 Laurel Dr.
Hadley, Ma. 01035



KODAK PERFECT TOUCH PROCESSING
JUL 28/83 10523815 01440 MPW1

2/30/83
Jill Henry Sr



234 Henry St
7/30/03

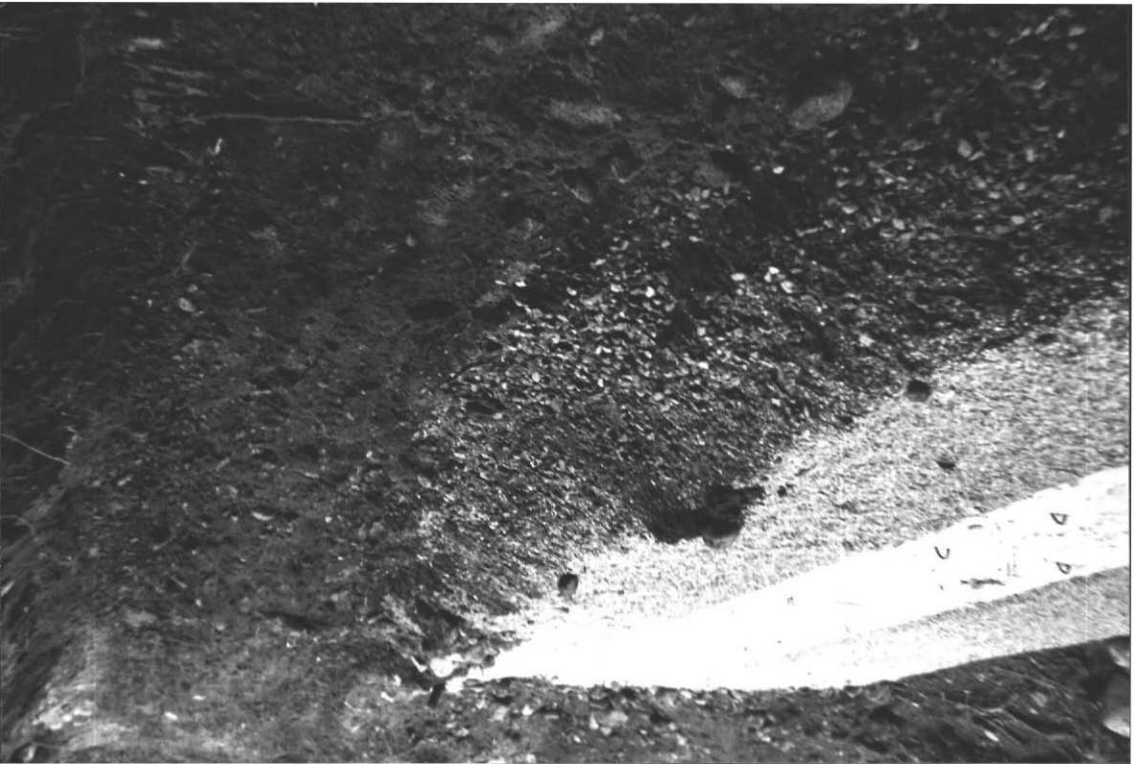
THE NEW YORK PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATION
500 5th Ave. New York, N.Y. 10011



234 Henry St

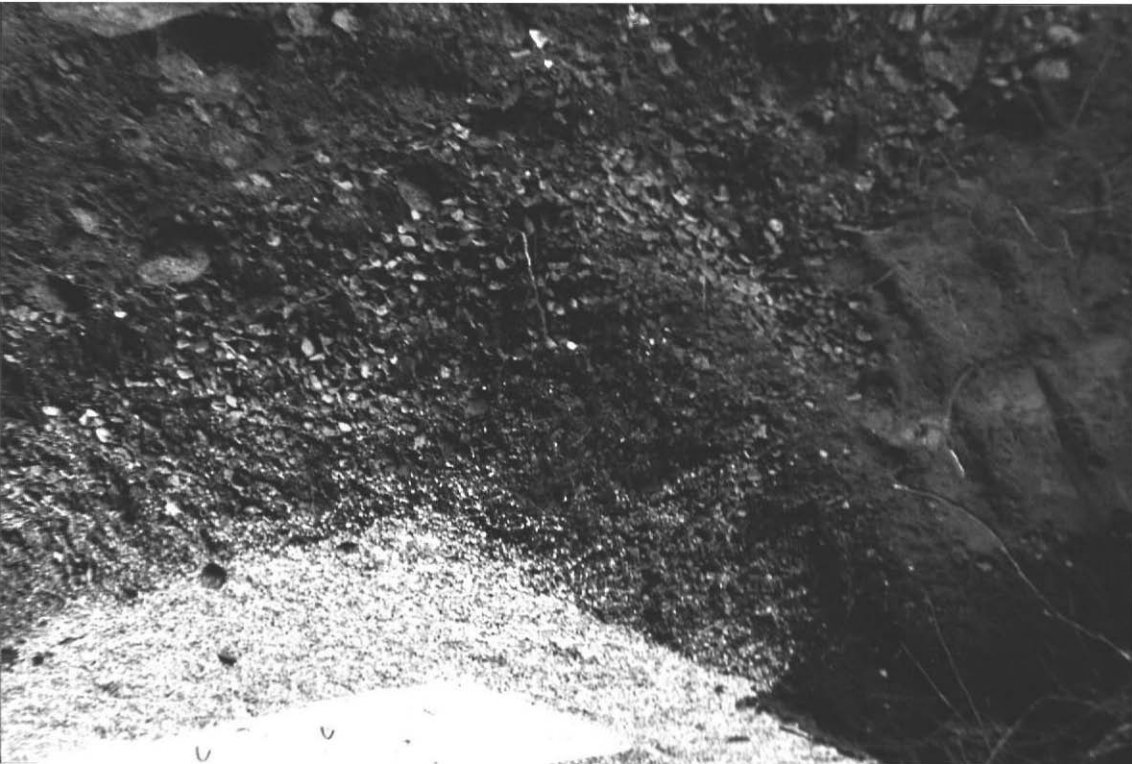
7/30/03

NOV 20 2003
KODAK SAFETY FILM



*DOW PERFECT TOUCH Processing
09/28/93 10528615 <12 > HWK1

234 Henry St 2/3/03



KODAK PERFECT TOUCH PROCESSING
JUL/28/93 10562815 411 2 1991

234 Henry St
7/30/03



KODAK PERFECT TOUCH PROCESSING
02/23/03

2/30/03

284 Henry St



KODAK PERFECT TOUCH PROCESSING
JUL/28/03 20526615 4 940 H&A

234 Henry St
7/30/03



RECEIVED
MAY 2 1963
U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C.

231 Henry St
1/30/63

No. 03-02

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

FEE 275⁰⁰
PS
8/5/02
CR#154

Town of Amherst

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

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

<u>234 Henry Street</u> Location	<u>Jimmy + Chris Pratt</u> Owner's Name
Map/Parcel #	<u>234 Henry St. N. Amherst MA</u> Address
Lot #	<u>586-7771</u> Telephone #
Installer's Name	<u>Environmental Design Inc.</u> Designer's Name
Address	<u>701 Old Ferry Rd, Northampton</u> Address
Telephone #	<u>585-5020</u> Telephone #

Type of Building: Single family Lot Size _____ Sq. feet
Dwelling — No. of Bedrooms 3 Garbage Grinder NO
Other — Type of Building _____ No. of persons 6 Showers (), Cafeteria ()
Other fixtures _____

Design Flow (min. required) 330 gpd Calculated design flow _____ gpd Design flow provided 355 gpd
Plan: Date 11-26-02 Number of sheets 1 Revision Date _____

Title Sewage Disposal System - Repair - Pratt

Description of Soil(s) See Soil Reports.
Soil Evaluator Form No. _____ Name of Soil Evaluator M. Lavigne Date of Evaluation 8-6-02

DESCRIPTION OF REPAIRS OR ALTERATIONS a new 32'x12' seepage gallery with a new 1500 gal septic tank.

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

Signed James & Pratt Date 01/10/03

Inspections _____



FORM 1 - APPLICATION FOR DSCP DEP APPROVED FORM 5/96

No. 03-02

THE COMMONWEALTH OF MASSACHUSETTS
Amherst BOARD OF HEALTH

FEE PS

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

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

at 234 Henry Street

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. 03-02 dated _____ Approved Design Flow _____ (gpd)

Installer [Signature]
Designer: [Signature] Inspector [Signature] Date 7/30/03

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

FORM 3 - CERTIFICATE OF COMPLIANCE DEP APPROVED FORM 5/96

No. 03-02

THE COMMONWEALTH OF MASSACHUSETTS
Amherst BOARD OF HEALTH

FEE 275⁰⁰
PS CR#154
8/5/02

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to Construct () Repair () Upgrade (X) Abandon () an individual sewage disposal system at 234 Henry Street as described in the application for Disposal System Construction Permit No. 03-02, dated 01/10/03.

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

Date June 14, 2003 Board of Health [Signature]

FORM 2 - DSCP DEP APPROVED FORM 5/96

Revised Plans Received 1/14/03



No. _____

Date: 11-22-02

Commonwealth of Massachusetts
Amherst, Massachusetts
Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Michael Lavigne
Witnessed By: Dave Zarazinski

Date: 8/6/02

Location Address or Lot # <u>234 Henry St</u>	Owner's Name, Address, and Telephone # <u>Jimmy + Christine Pratt</u> <u>234 Henry St</u> <u>North Amherst MA 01059</u>
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) _____

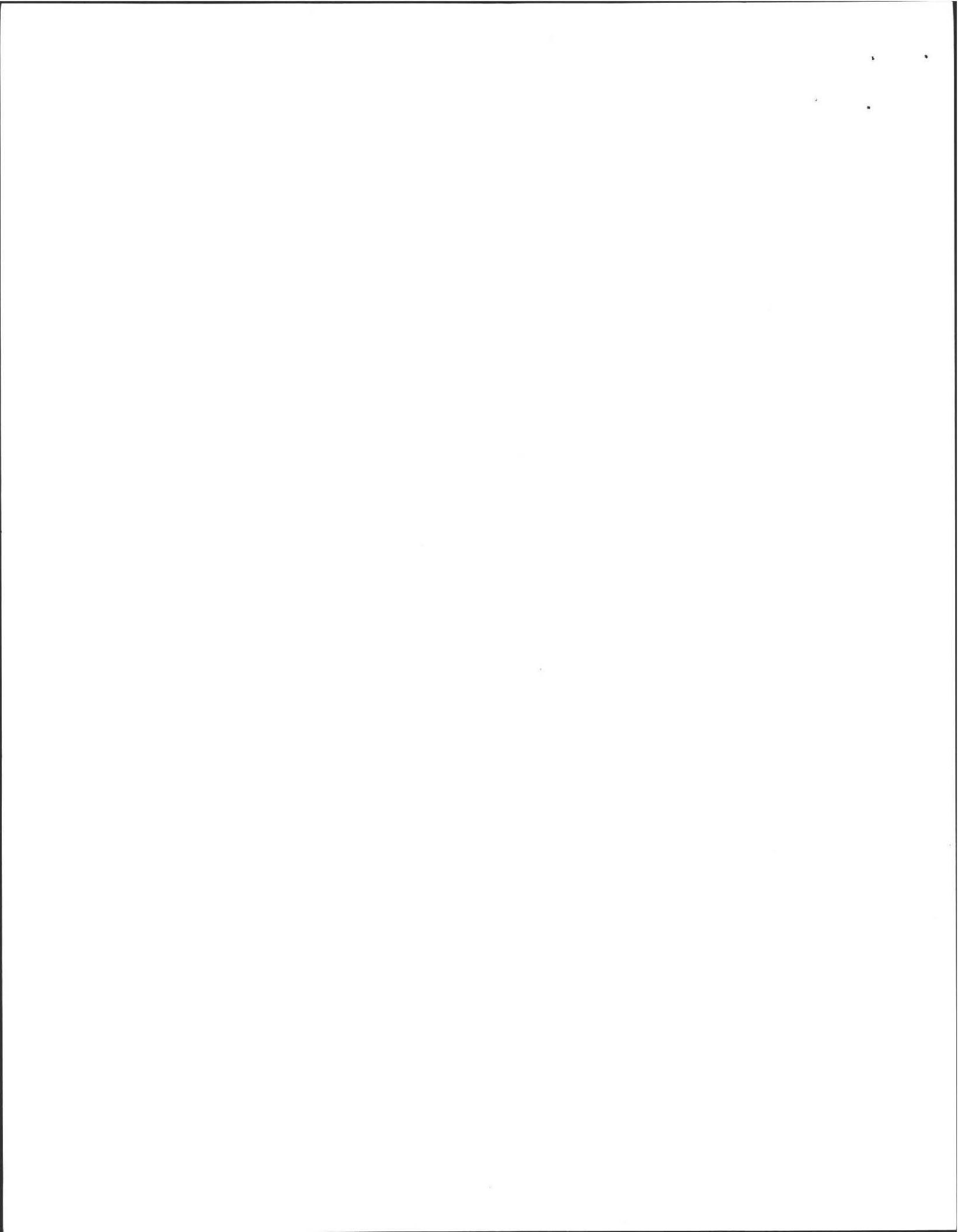
Wetlands Conservancy Program Map (map unit) _____

Current Water Resource Conditions (USGS): Month _____

Range : Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. 234 Henry Street

On-site Review

Deep Hole Number 1+2 Date: 8/6/02 Time: Morning Weather cloudy
 Location (identify on site plan) See plan
 Land Use lawn Slope (%) 0-2 Surface Stones few
 Vegetation grasses
 Landform _____
 Position on landscape (sketch on the back) See design
 Distances from:
 Open Water Body >100 feet Drainage way >50 feet
 Possible Wet Area >100 feet Property Line ~20 feet
 Drinking Water Well >100 feet Other _____

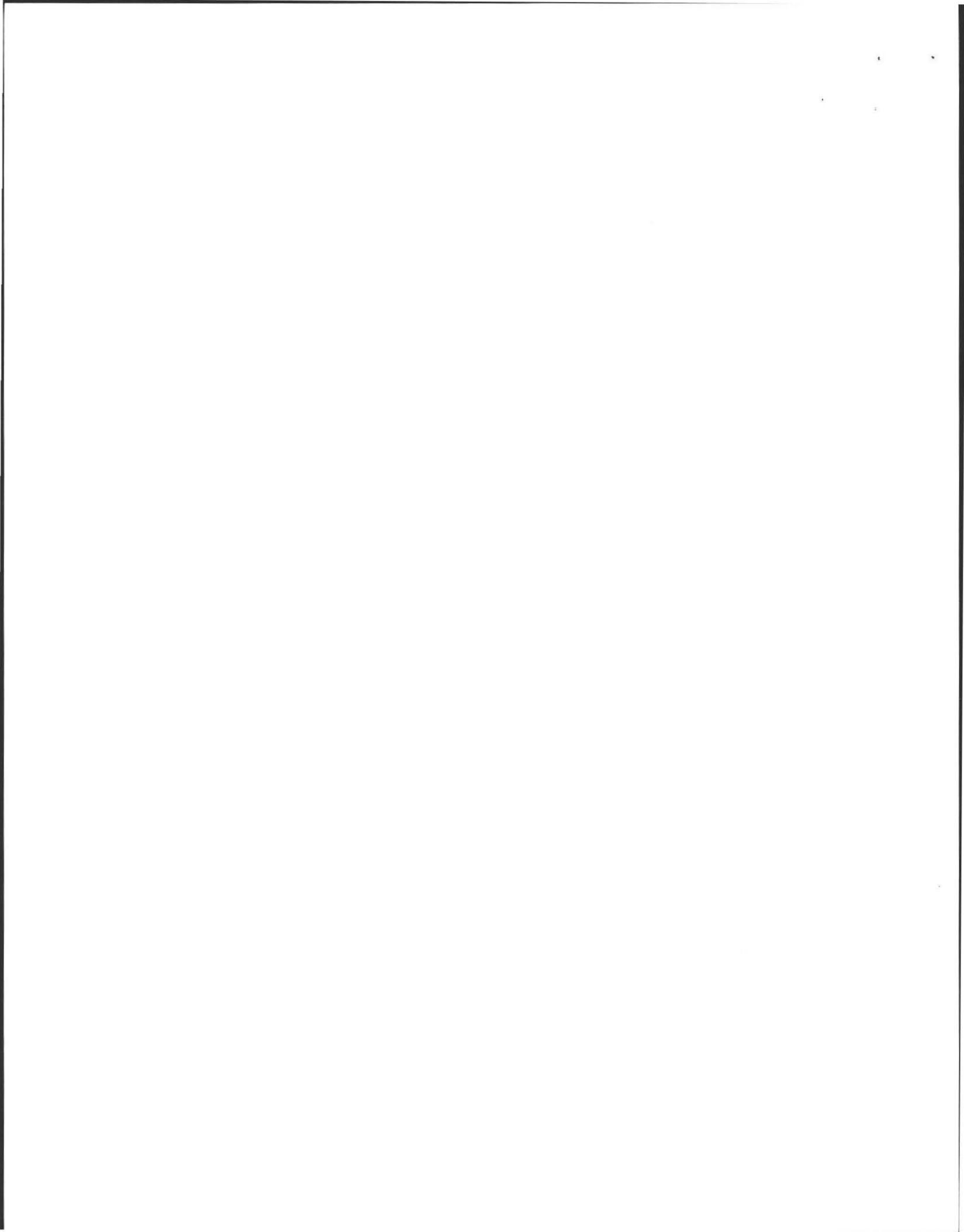
DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
DH1 0-10"	A	SL	10YR3/3	NONE	topsoil
10"-20"	B	SL	10YR4/6	NONE	subsoil
20"-108"	C	S	2.5Y4/3	NONE NOTED	medium + coarse 60% gravel Lots of cobbles
DH2 0-12"	A	SL	10YR3/3	NONE	topsoil
12"-24"	B	SL	10YR4/6	NONE	subsoil
24"-108"	C	S	2.5Y4/3	NONE NOTED	Same as DH1

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) outwash Depth to Bedrock: ≥ 108" ≥ 108"
 Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: ≥ 108" ≥ 108"





Location Address or Lot No. 234 Henry Street

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole inches
- Depth weeping from side of observation hole inches
- Depth to soil mottles ≥ 108 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

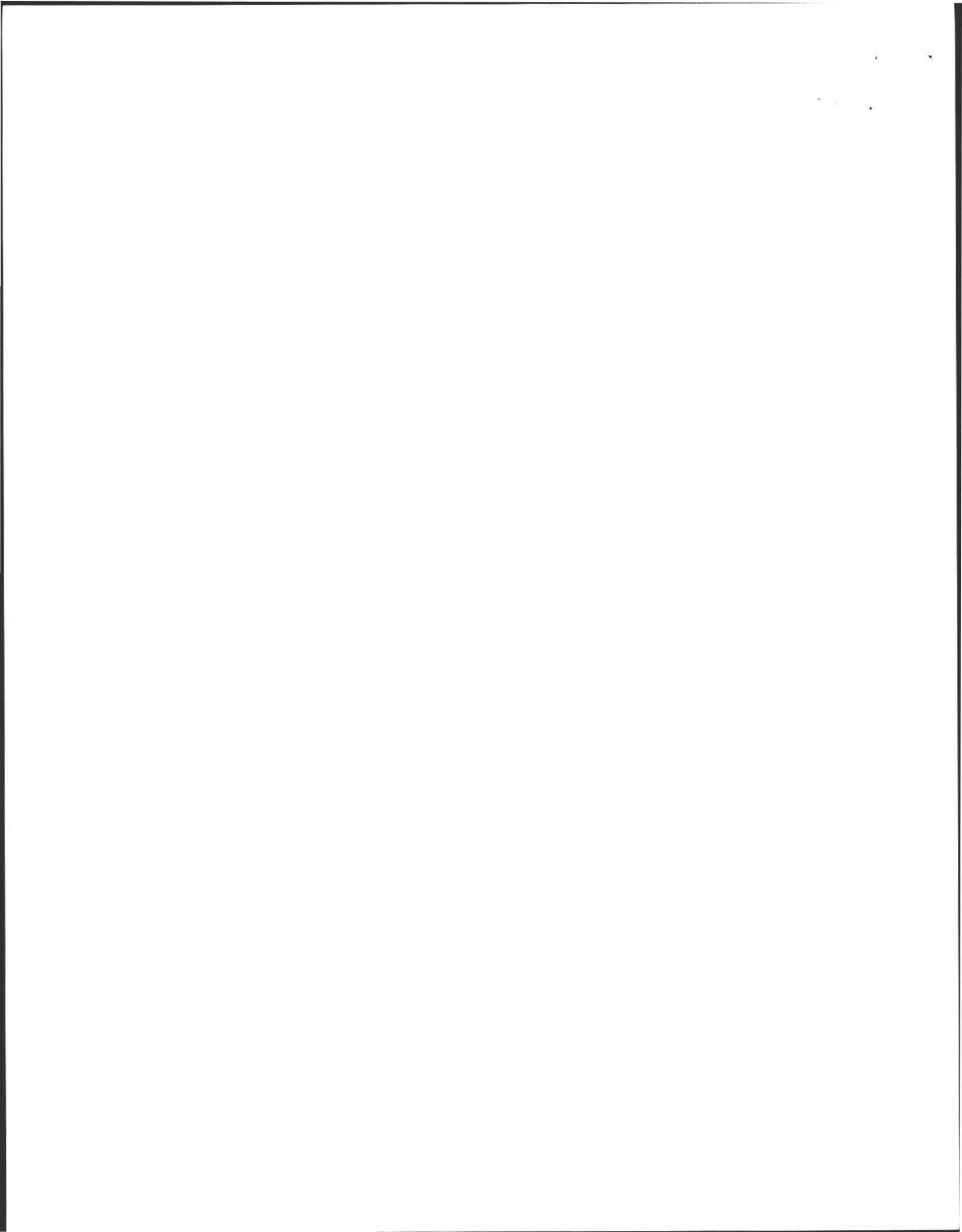
If not, what is the depth of naturally occurring pervious material?

Certification

I certify that on NOV. 94 (date) I have passed the soil evaluator 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 [Signature] Date 11/22/02





Location Address or Lot No. 234 Henry Street

Pg 4

COMMONWEALTH OF MASSACHUSETTS
Amherst, Massachusetts

Percolation Test*		
Date: <u>8/6/02</u>		Time: <u>morning</u>
Observation Hole #	<u>P-1</u>	
Depth of Perc	<u>42"</u>	
Start Pre-soak	<u>10:44</u>	
End Pre-soak	<u>10:59</u>	
Time at 12"	<u>10:59</u>	
Time at 9"	<u>11:05</u> (Re-filled <u>11:20</u>)	
Time at 6"	<u>11:35</u>	
Time (9"-6")	<u>15</u>	
Rate Min./Inch	<u>5</u>	

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

Site Passed Site Failed

Performed By: Michael Lawignel

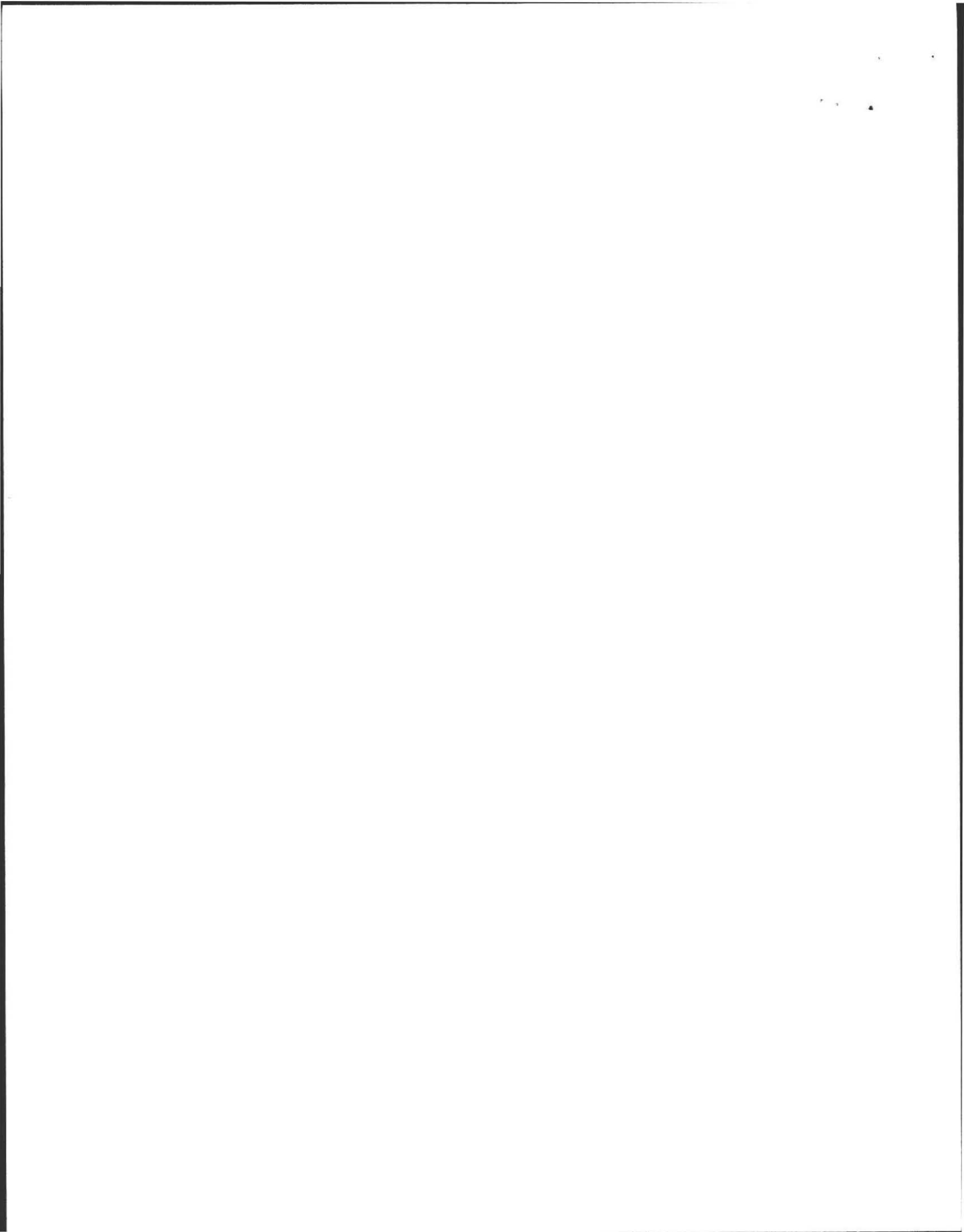
Witnessed By: Dave Zarazinski

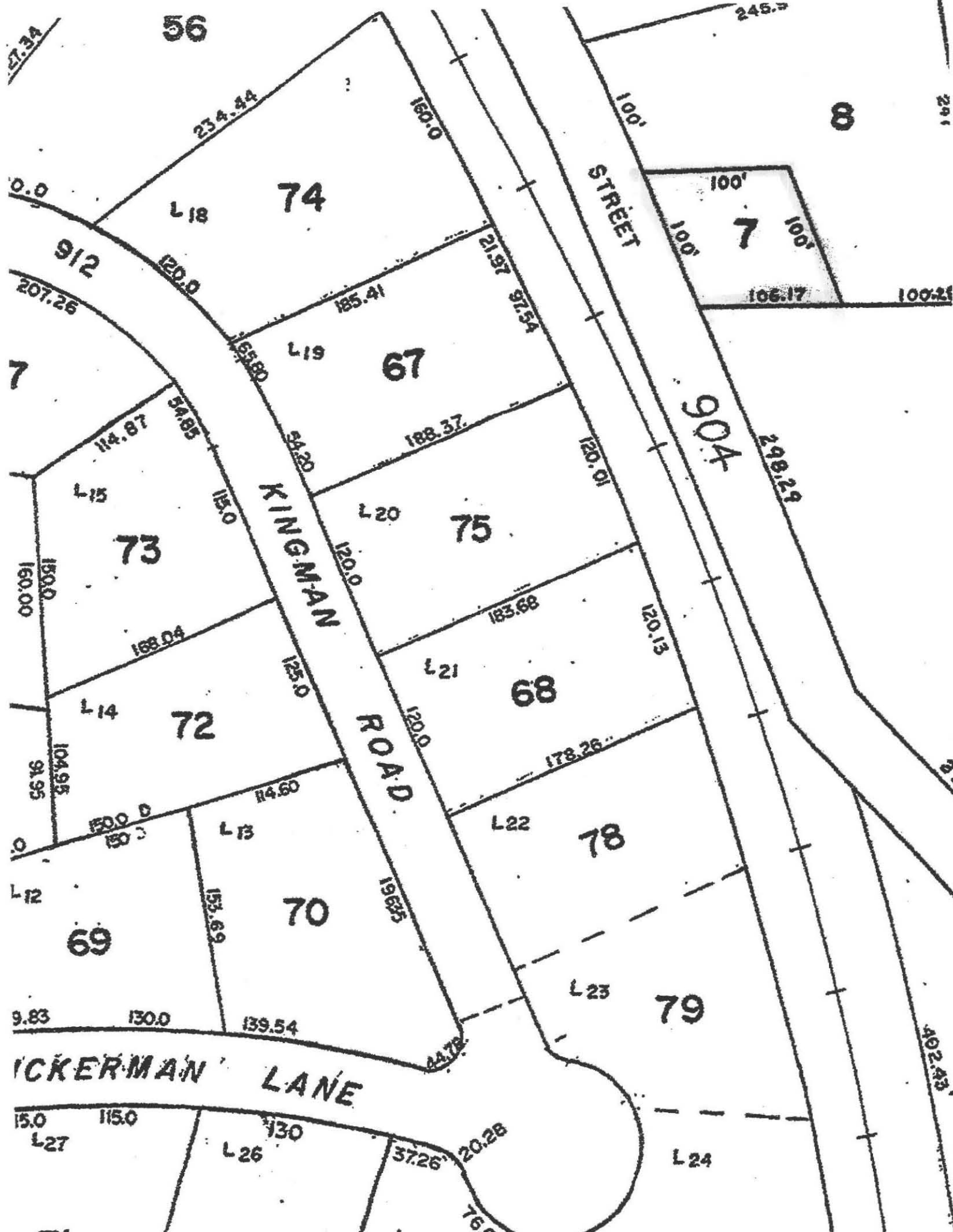
Comments: _____



DEP APPROVED FORM - 12/07/95

ENVIRONMENTAL DESIGN INC.
 101 OLD FERRY ROAD
 NORTHAMPTON, MA 01060
 413-585-5020





56

74

67

75

73

72

68

7

8

69

70

78

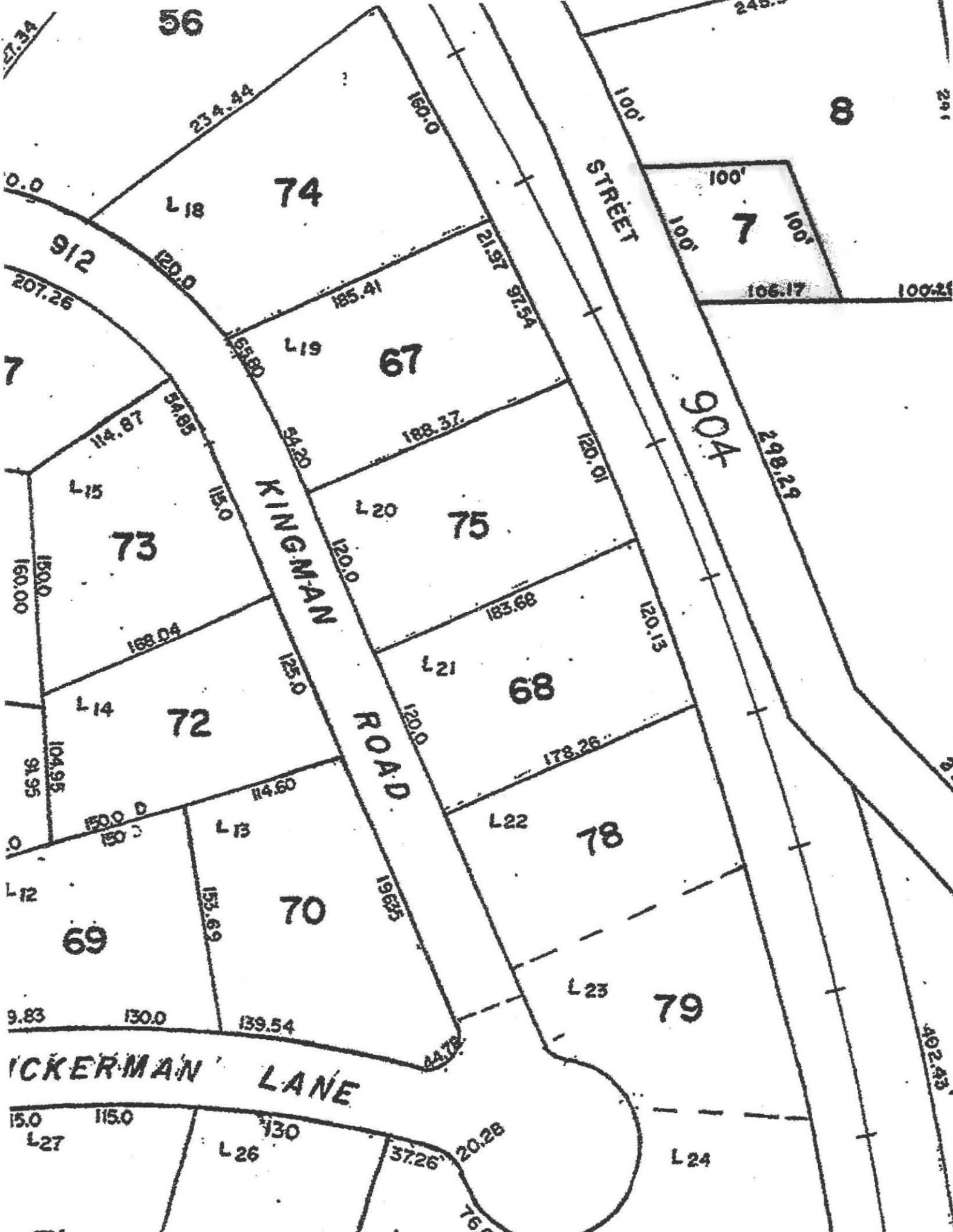
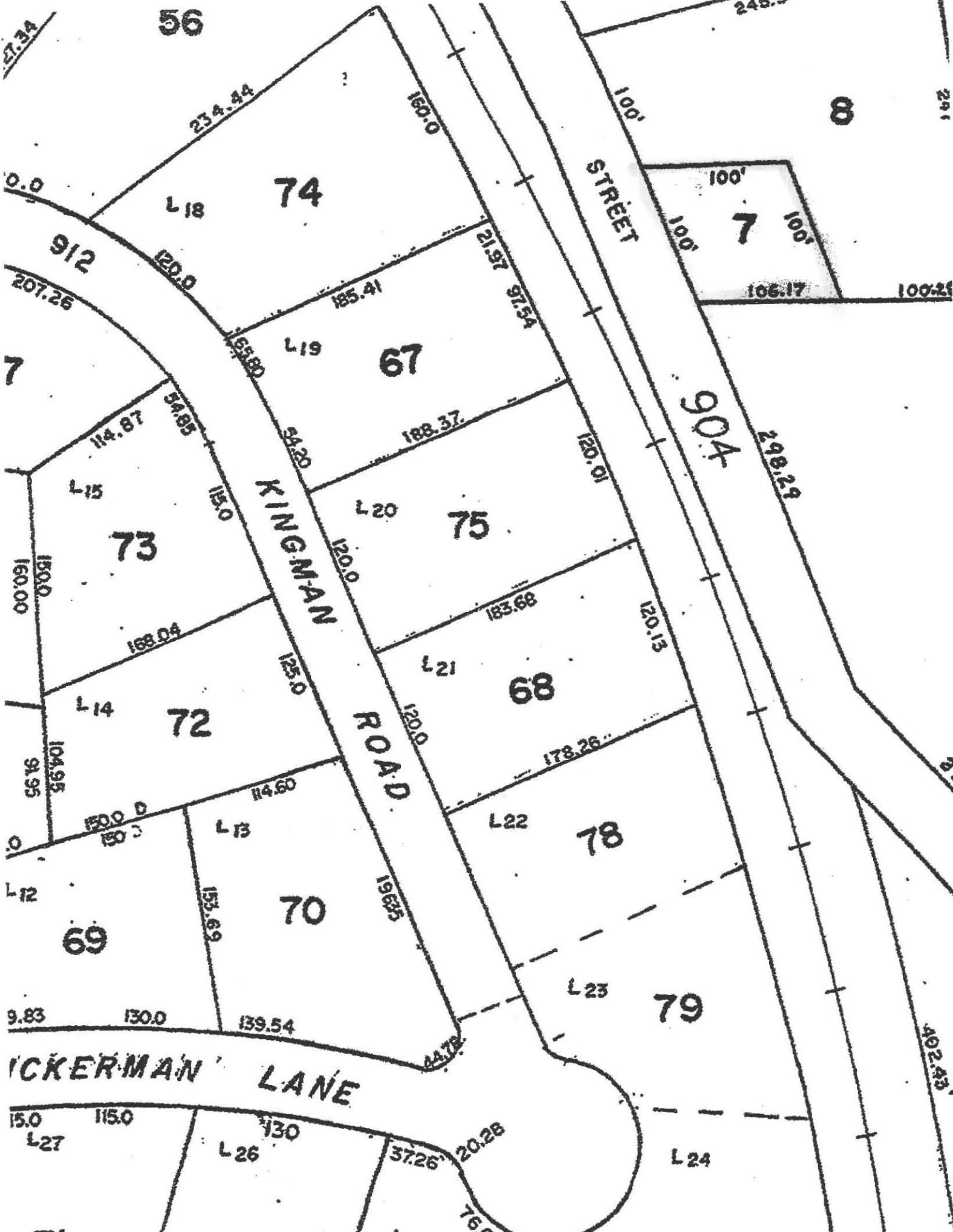
79

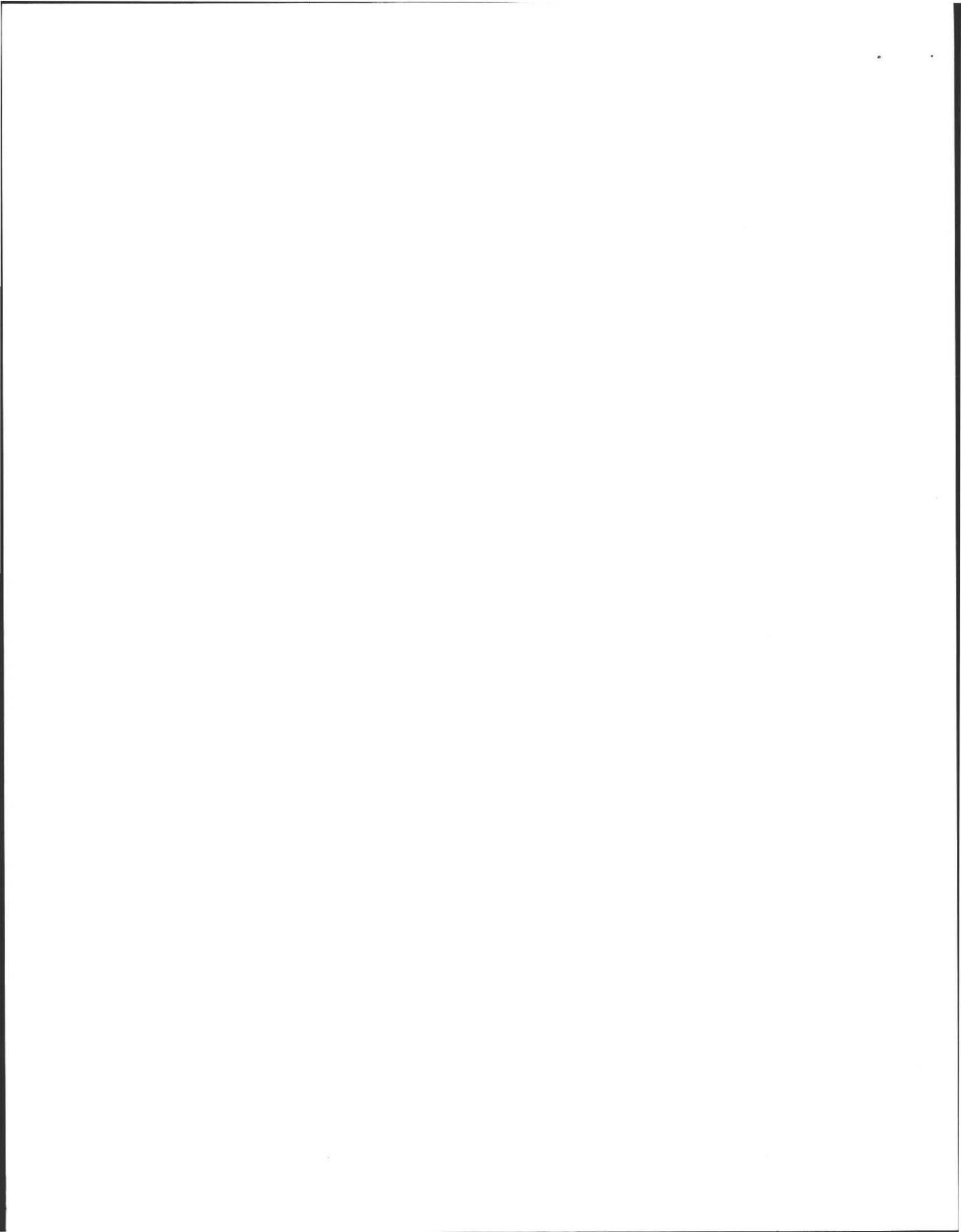
WICKERMAN LANE

STREET

KINGMAN ROAD

904





- Do not flush bulky items such as throw-away diapers or sanitary pads into your system.
- Do not flush toxic materials such as paint thinner, pesticides, or chlorine into your system as they may kill the bacteria in the tank. These bacteria are essential to a properly operating septic system.
- Repair leaking fixtures promptly.
- Be conservative with your water use and use water-reducing fixtures wherever possible.
- Keep deep-rooted trees and shrubs from growing on your leaching area.
- Keep heavy vehicles from driving or parking on your leaching area.

For more information:

If you have any questions regarding your septic system, please contact:

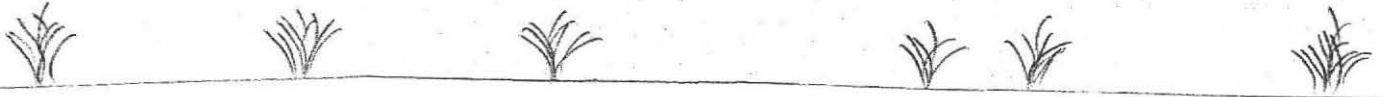
**Environmental
Design
Inc.**



Site Planning ■ Perc Tests ■ System Designs ■ Title V Inspections

Michael J. Lavigne

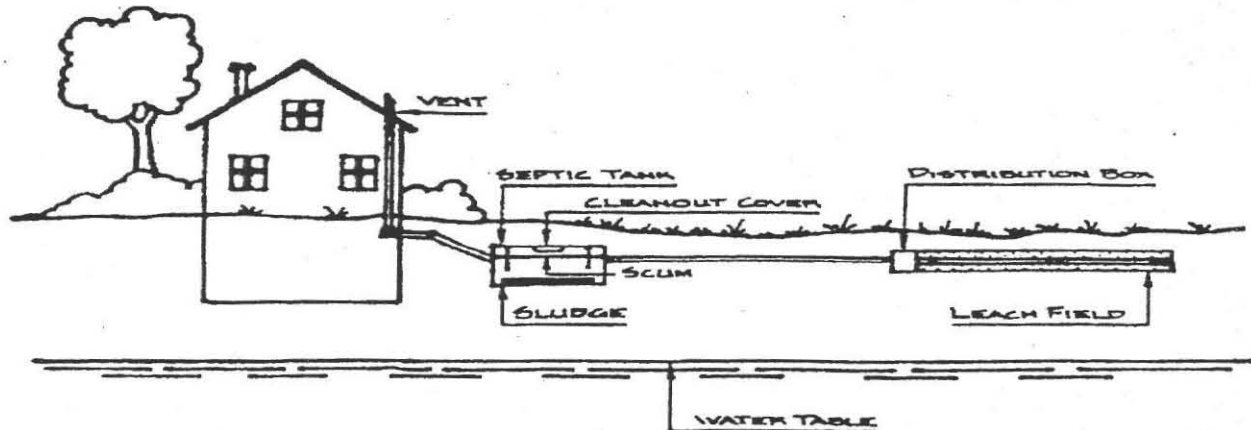
101 Old Ferry Road
Northampton, MA 01060
tel (413) 585-5020
fax (413) 582-0621



Care And Maintenance Of Your Septic System

What is a septic system?

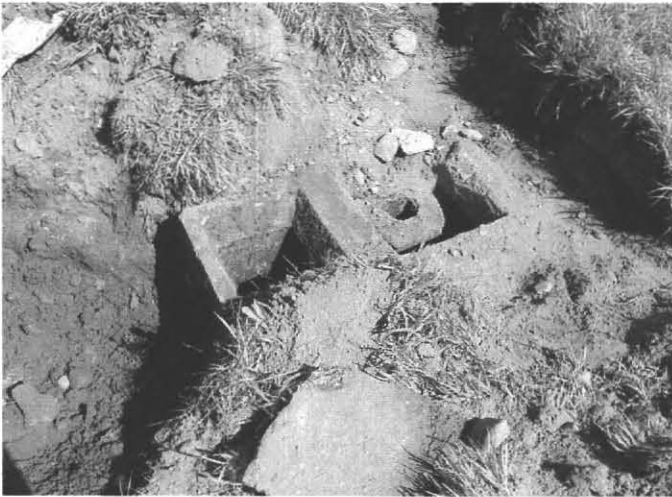
- A septic system is a two part treatment and disposal system designed to condition untreated liquid household waste (sewage) so that it can be readily dispersed and percolated into the subsoil. Percolation through the soil accomplishes much of the final purification of the effluent, including the destruction of disease-producing bacteria.
- A septic tank provides the first step in the process by removing larger solid materials, decomposing solids by bacterial action, and storing sludge and scum. The liquid between sludge and scum is then passed along to the leaching area for final treatment and absorption into the ground. Remember: A properly maintained septic system will adequately treat your sewage.



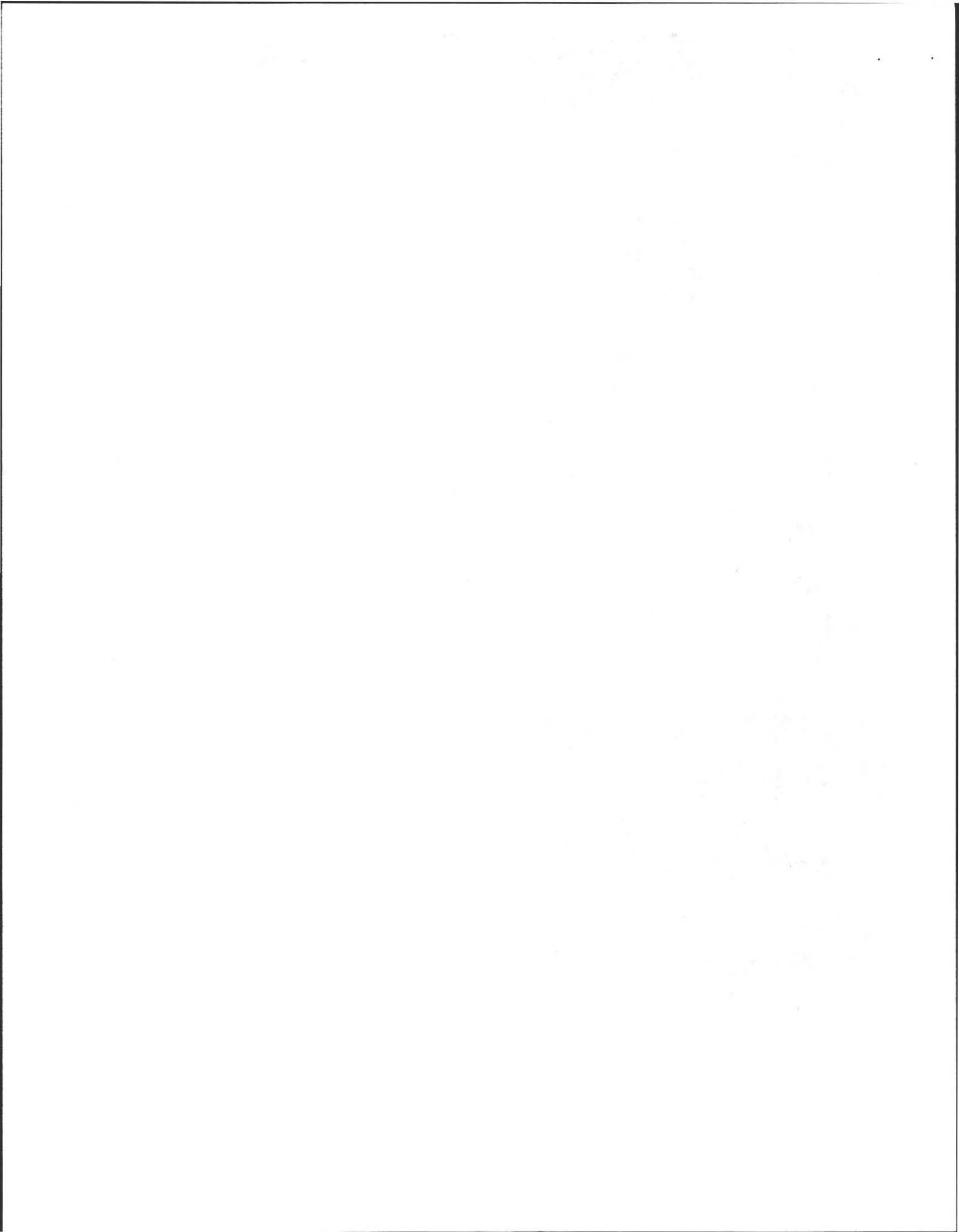
What should I do to maintain my septic system?

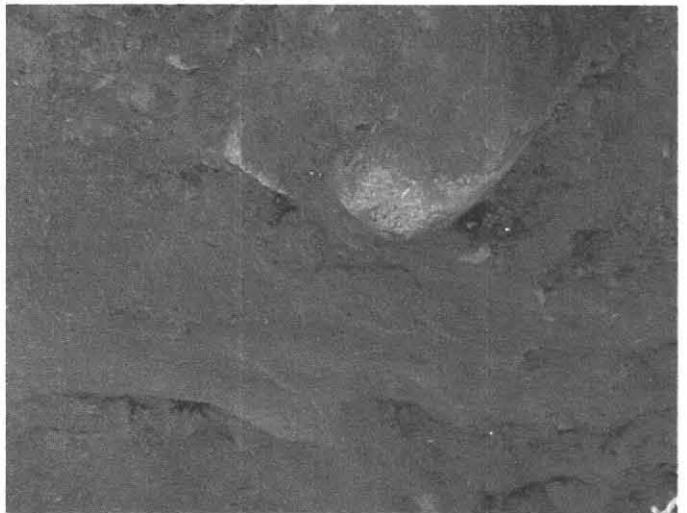
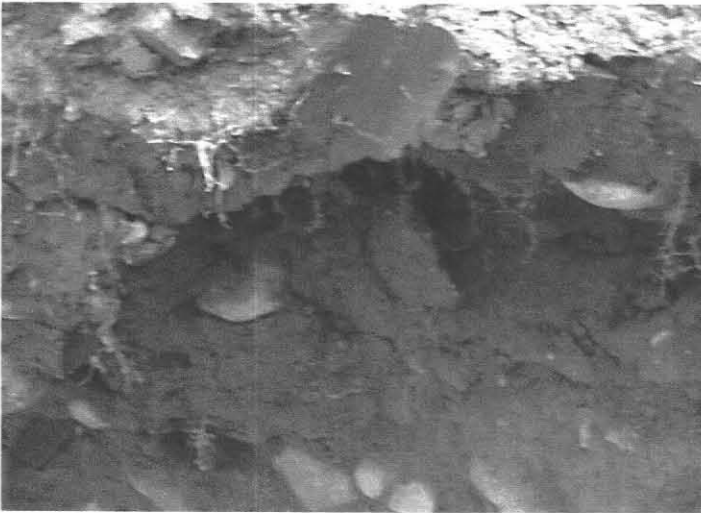
- Know the location of your septic tank and leaching area.
- Inspect your tank yearly and have the tank pumped as needed and at least every three years.

-OVER-

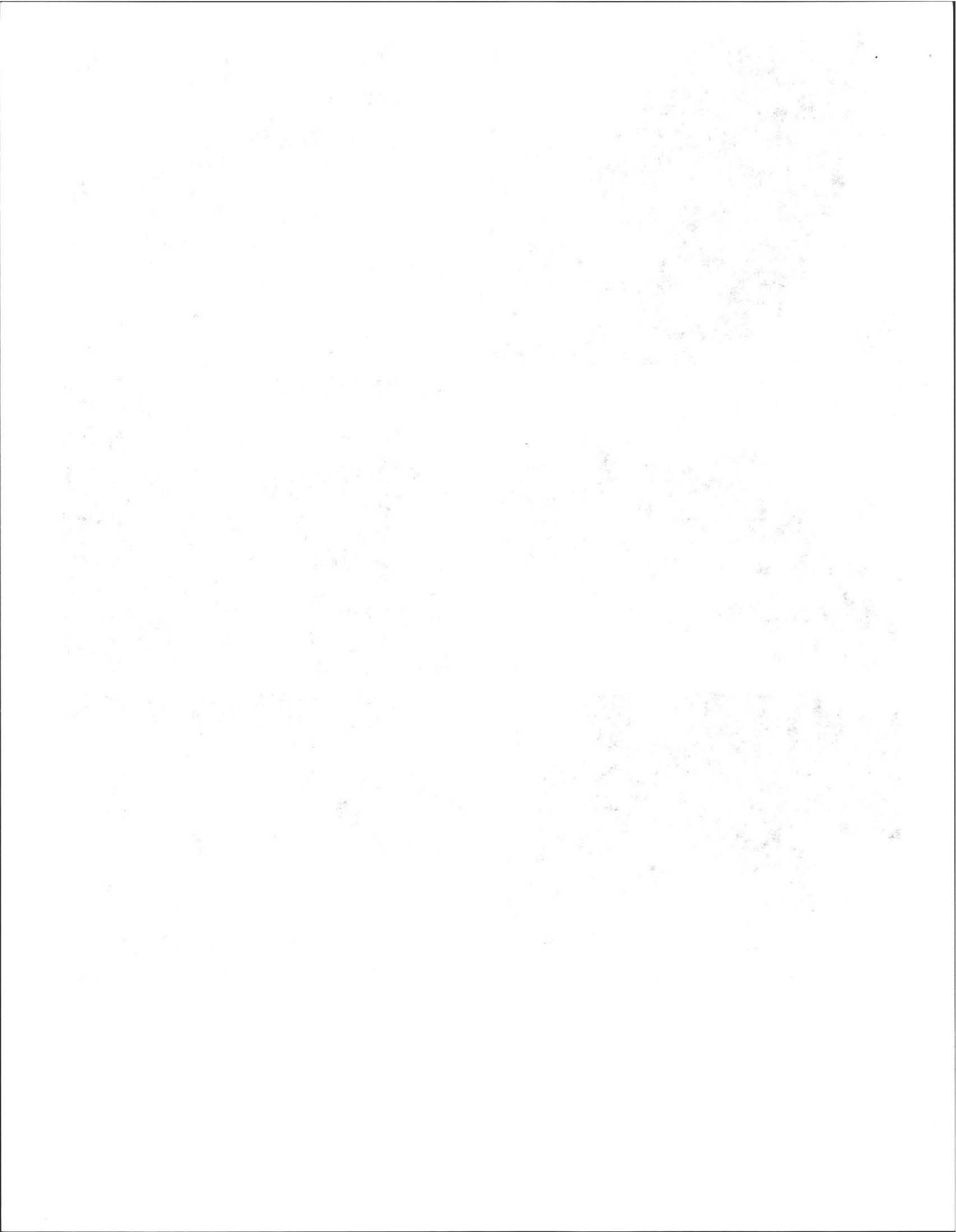


228-234 HENRY ST
OWNER: CHRISTINE PRATT





228-234 HENRY ST
OWNER: CHRISTINE PRATT



Commonwealth of Massachusetts
Town of _____

Soil Suitability Assessment : On-Site Sewage Disposal

Performed By: EMU, Dept of Public Health Date: 8/15/02
Witnessed By: _____

Location Address of: Lot #	<u>234 HENRY ST</u>	Owner's Name:	<u>Christine Prata</u>
	<u>ESTATE: MARIE PRATA</u>	Address of:	<u>P.O. Box 378</u>
		Telephone:	<u>So. Dumbuck Mass.</u>
			<u>01373</u>

New Construction Repair

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 Reference Reviewed:

cut 154 275
PL
8/15/02

Determination: Seasonal High Water Table

Methods Used:

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

Index Well No. _____ Reading Date _____ Index Well Level _____
Adjustment factor _____ Adjusted ground water level _____

Depth of Naturally Occurring Previous Material

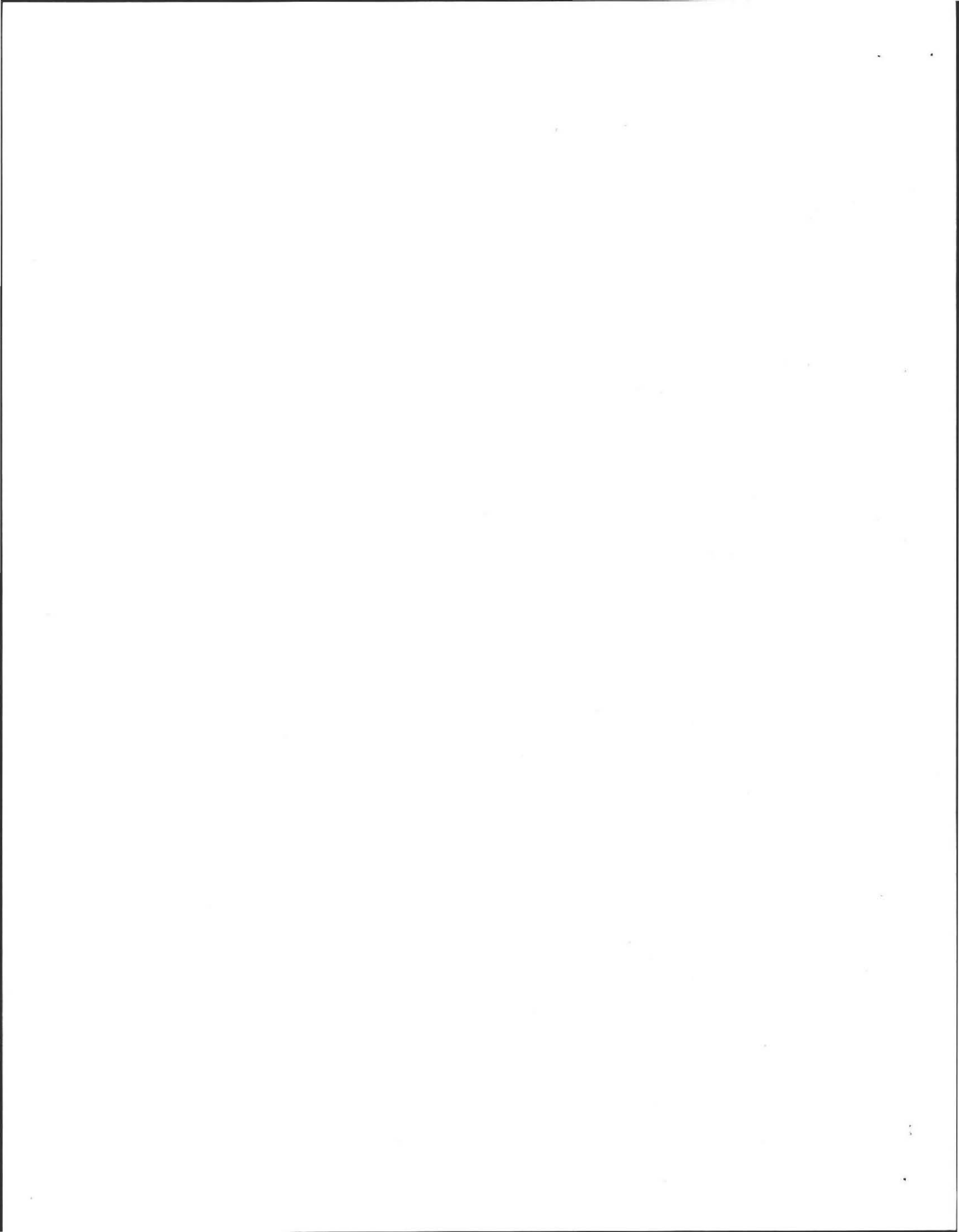
Does at least four feet of naturally occurring previous materials exist in all areas observed throughout the area proposed for this soil absorption system? _____

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

Certification

I certify that on _____ (date) I have passed the soil evaluator 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 _____
Date _____



234 Henry St

On-Site Review

Deep Hole Number ① Date: 8/6/02 Time 10 AM
 Weather Sunny 70°
 Location (identify on site plan) _____
 Land Use 2-5/10/10/10/10 Slope (%) 2-4
 Surface Stone None
 Vegetation: 96 ASPH

Landform: _____

Position on Landscape (sketch on back) _____

Distances from:

Open Water Body 100 feet Drainageway 100 feet
 Possible Wet Area 100 feet Property Line _____ feet
 Drinking Water Well 100 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
10"	A	SL	10YR 3/3	—	
20"	B	SL	10YR 4/2	—	Med to coarse
108	C	SAND	2.5Y 4/3	—	Cobbles stones 60% gravel

Parent Material (geologic) OUTWASH
 Depth to Bedrock 108
 Depth to Groundwater: _____
 Standing Water in the Hole _____
 Weeping from Pit Face _____
 Estimated Seasonal High Water _____

Town Water

City # 154
 rd 275
 Christina Park

On-Site Review

Deep Hole Number _____ Date: _____ Time _____
 Weather _____
 Location (identify on site plan) _____
 Land Use _____ Slope (%) _____
 Surface Stone _____
 Vegetation: _____

Landform: _____

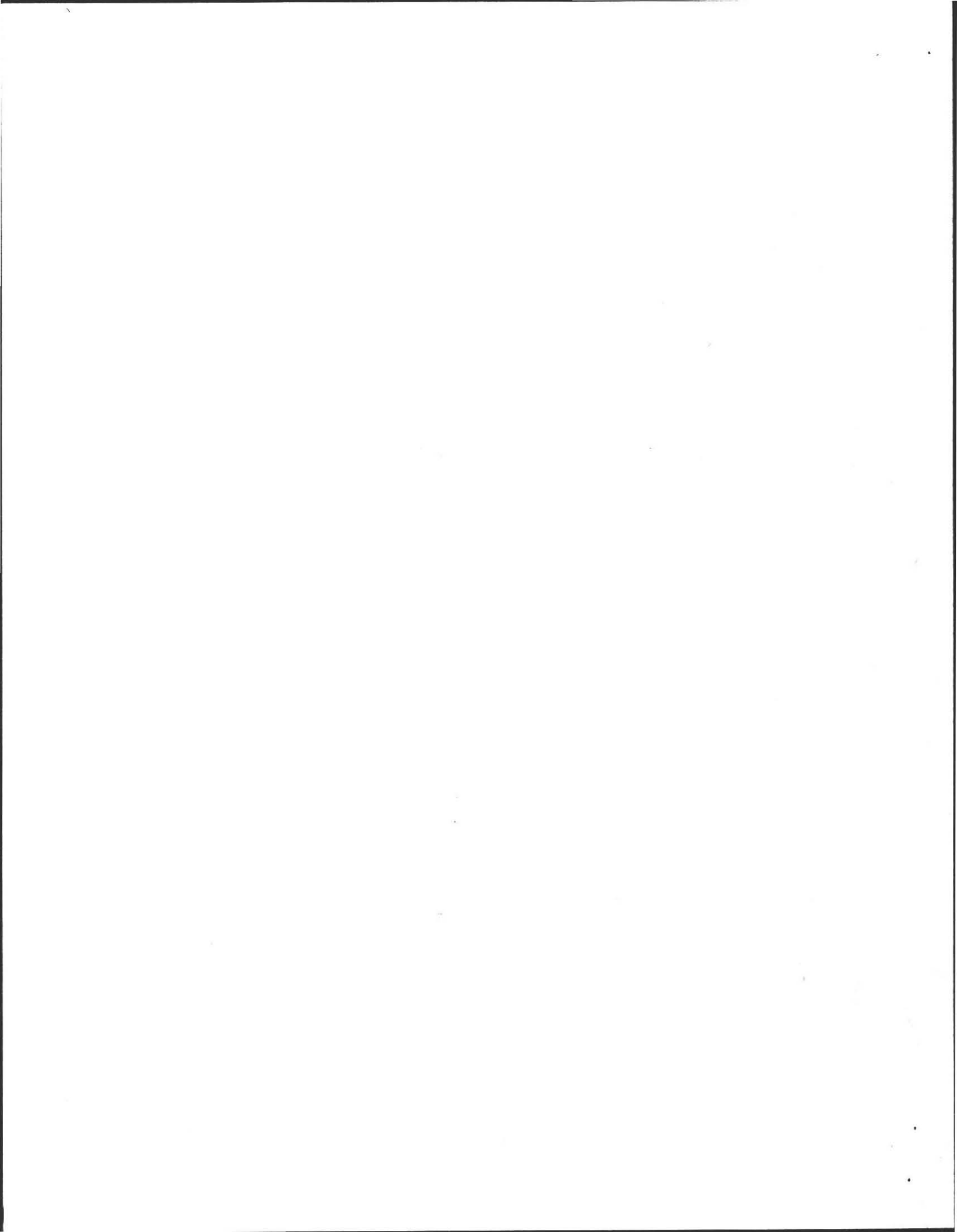
Position on Landscape (sketch on back) _____

Distances from:

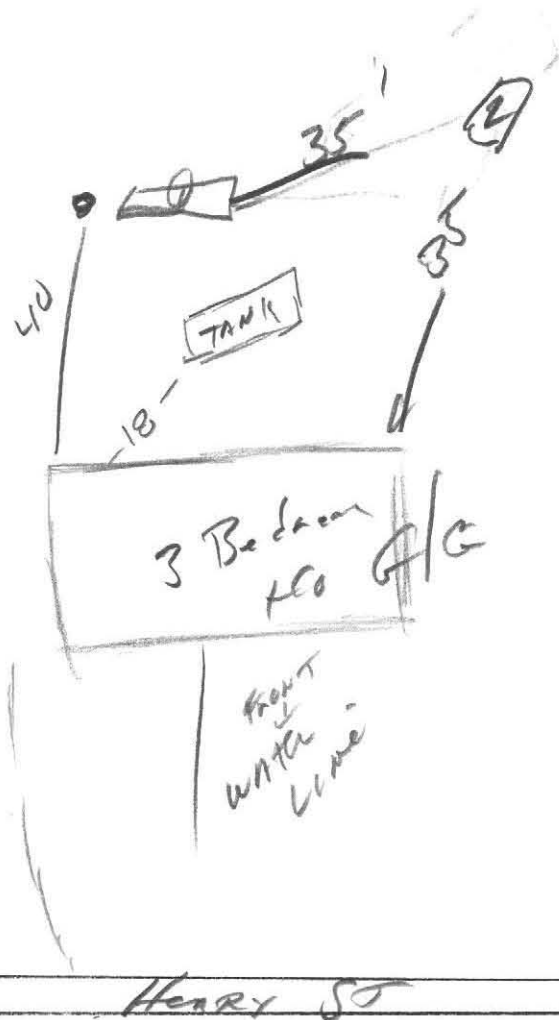
Open Water Body _____ feet Drainageway _____ feet
 Possible Wet Area _____ feet Property Line _____ feet
 Drinking Water Well _____ feet Other _____

DEEP OBSERVATION HOLE LOG					
depth from surface (inches)	soil horizon	soil texture (USDA)	soil color (Munsell)	soil mottling	other (structure, stones, boulders) Consistency, % gravel
12	A	SL	10YR 3/3	—	
24	B	SL	10YR 4/2	—	Med to coarse
9'	C	SAND	2.5Y 4/3	—	Cobbles stones

Parent Material (geologic) OUTWASH
 Depth to Bedrock 108
 Depth to Groundwater: _____
 Standing Water in the Hole _____
 Weeping from Pit Face _____
 Estimated Seasonal High Water _____



234 Henry Street



FORM 12: Percolation Test
Location Address or Lot #

234 Henry St

Commonwealth of Massachusetts
Town of Andover

PERCOLATION TEST *		
DATE:	5/6/02	TIME:
Observation Hole #	(1)	
Depth of Perc	42"	
Start Pre-soak	10:44	
End Pre-soak		
Time at 12"	10 11:02	
Time at 9"	11:05	11:20
Time at 6"	Rock fall in hole	11:35
Time (9"-6")	15	
Rate Min./Inch		(3)

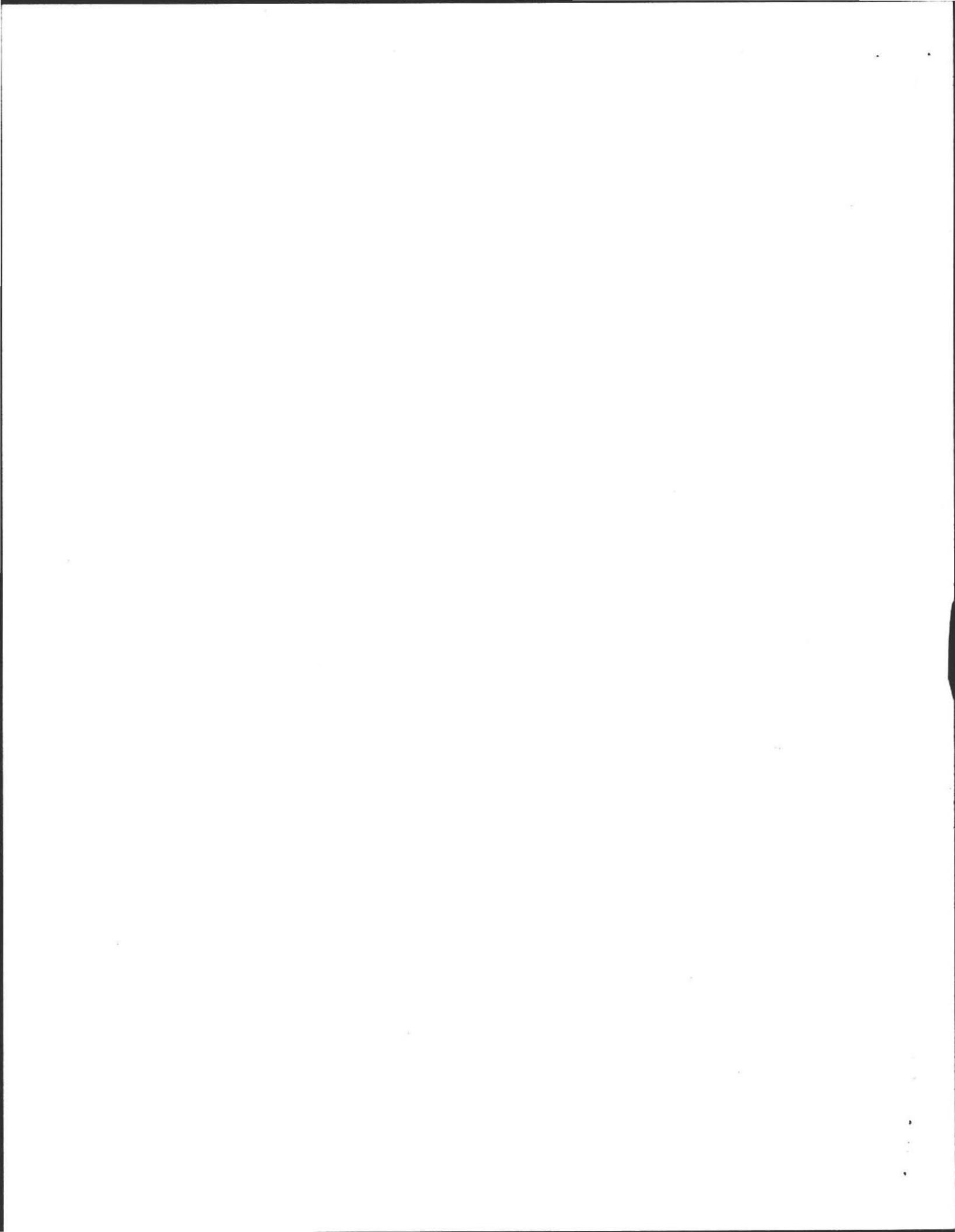
*Minimum of one percolation test must be performed in both the primary area and reserve area.

Site Passed Site failed

Performed by Melie Laurague ENR, Dorset

Witnessed by David Zarzinski

Comments:



CHRISTINE R. PRATT
P.O. BOX 378
SOUTH DEERFIELD, MA 01373

5-13/110
9453045333

154

PAY TO THE
ORDER OF

Tony of Anarchy

Two hundred twenty five DOLLARS **\$ 225.00**

DATE *8/3/02*



www.fleet.com
60808
South Deerfield Office
South Deerfield, Massachusetts 01373

MEMO *234 Key Sept*

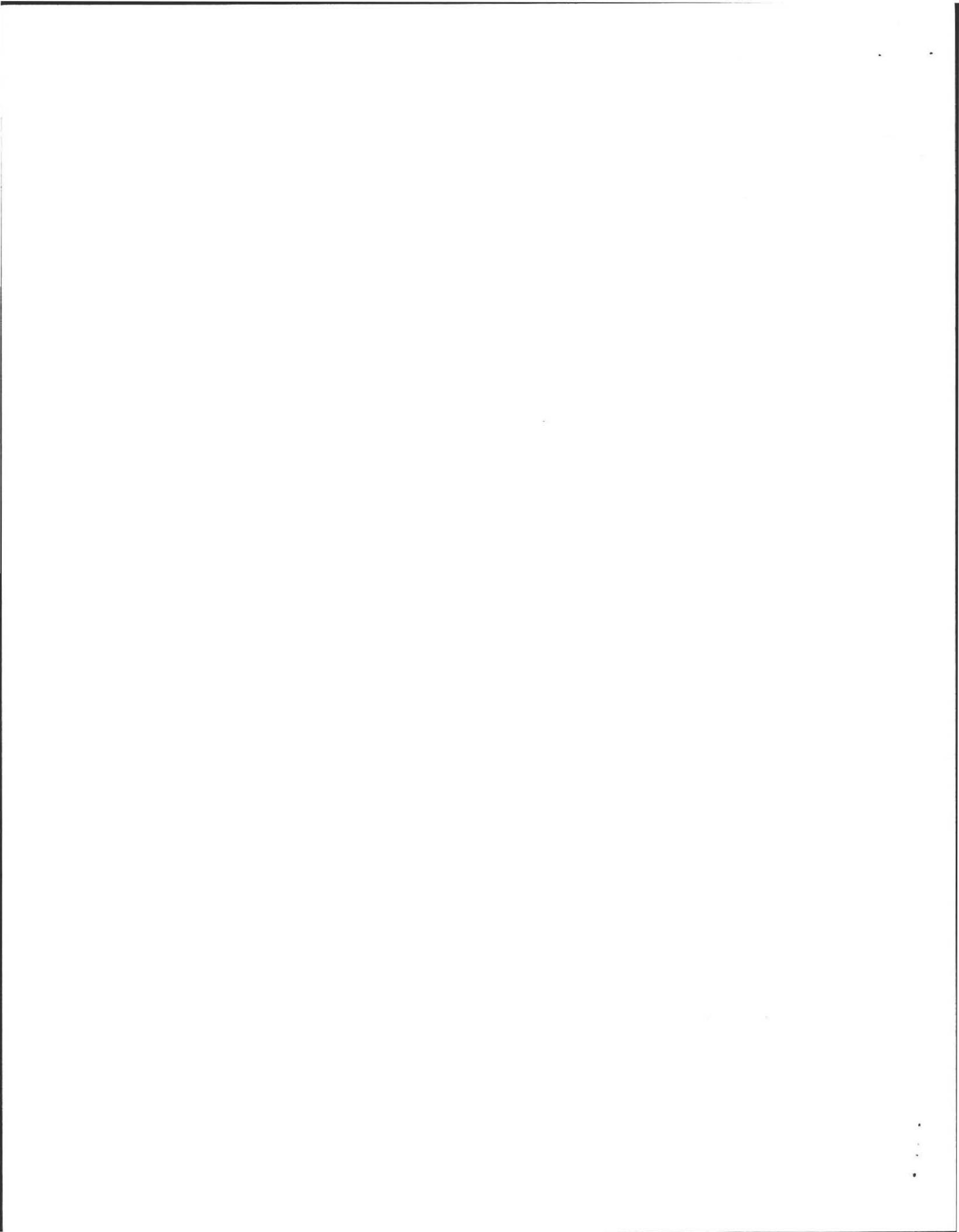
[Signature]

⑆01000138⑆ 94530 4533⑆ 0154

Security Features
Details on Back

MP

© DELUXE WALLET OR DUPLICATE SAFETY PAPER



TOWN OF AMHERST
HEALTH PERMITS/INSPECTION SERVICES

No. 2637

Received of Christine R. Pratt of P.O. Box 378
Name Address
228 Henry South Deerfield 01373

For Property Located at: 234 Henry ST Owner CHRISTINE R. PRATT
Street Address

- | | | | |
|------------------------------------------------------------|-------|----------------------------------------------------------|-------------|
| HEA009 Bakery
R6510 443508 | _____ | HEA015 Sanitary Code Booklets
R6510 432305 | _____ |
| HEA001 Bed & Breakfast
R6510 443516 | _____ | HEA016 Septic Tank Permit-Installers
R6510 443511 | _____ |
| HEA002 Catering License
R6510 443507 | _____ | HEA017 Septic Tank Permit-Private
R6510 443510 | <u>1000</u> |
| HEA003 Food Handler
R6510 443515 | _____ | HEA018 Septic Tank Reinspection Fee
R6510 432301 | _____ |
| HEA004 Frozen Deserts
R6510 443501 | _____ | HEA019 Sub-Division Review Fee
R6510 432306 | _____ |
| HEA005 Health Dept. Housing Isp.
R6510 432302 | _____ | HEA012 Swimming Pool Permits
R6510 443512 | _____ |
| HEA006 Massage Therapy License
R6510 443504 | _____ | HEA020 Tanning License
R6510 443509 | _____ |
| HEA007 Milk & Cream License
R6510 443500 | _____ | HEA024 Funeral Director License
R6510 443502 | _____ |
| HEA008 Motel License
R6510 443506 | _____ | HEA034 Immunization Clinic
R6510 432307 | _____ |
| HEA010 Removal of Offal
R6510 443513 | _____ | HEA030 Car Seats
8407 258004 | _____ |
| HEA021 Removal of Rubbish
R6510 443520 | _____ | HEA026 Smoking & Tobacco Reg. Violations
R6510 443518 | _____ |
| HEA011 Percolation Test Fees <u>175.00</u>
R6510 432300 | _____ | HEA023 TB Clinic
R6510 432303 | _____ |
| HEA013 Recreation Camp License
R6510 443503 | _____ | HEA022 Tobacco License
R6510 443505 | _____ |
| HEA014 Retail Store Permit
R6510 443514 | _____ | HEA | _____ |
| | | HEA | _____ |

TOTAL FEE: 275.00
Date 8/3/02

[Signature]
Inspection Services/Health Department

CHRISTINE R. PRATT
P.O. BOX 378
SOUTH DEERFIELD, MA 01373

5-13/110
9453045333

DATE 8/3/02 154

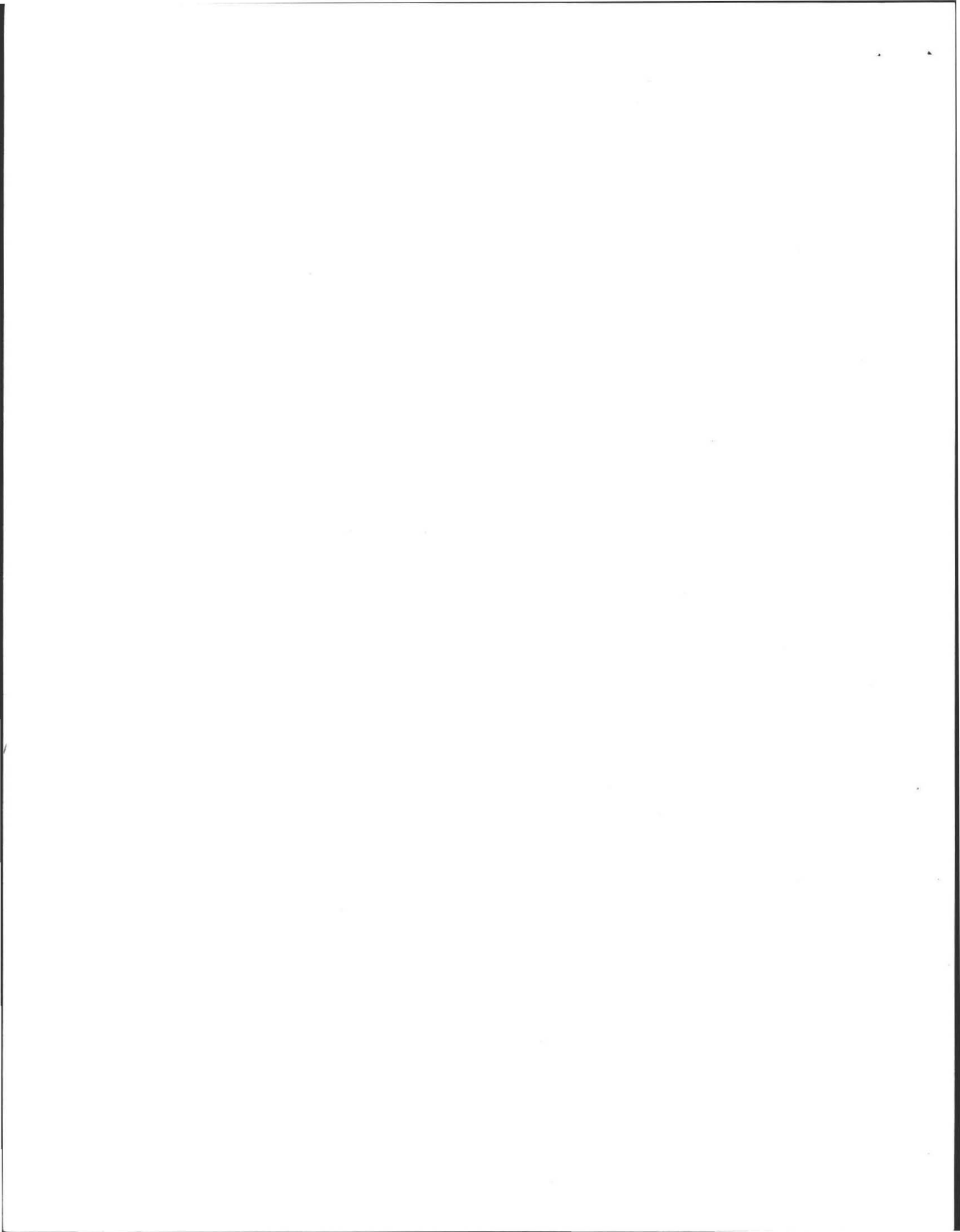
PAY TO THE ORDER OF Town of Amherst \$ 275.00
Two hundred seventy five DOLLARS

Fleet
www.fleet.com
60808 South Deerfield Office
South Deerfield, Massachusetts 01373

MEMO 234 Henry Septic

1:0 1000 138: 94530 45333 0154

Must be Validated





**ENVIRONMENTAL
DESIGN, INC.**

101 OLD FERRY ROAD
NORTHAMPTON, MA 01060

PHONE: (413) 585-5020
FAX: (413) 582-0621

**SEWAGE DISPOSAL
SYSTEM - REPAIR**

234 Henry Street
North Amherst, MA

for

Jimmy & Chris Pratt
234 Henry Street
North Amherst, MA

413-586-7771

FIELD 11/26/02
SURVEYOR ML/JP
DESIGNER ML
CHECKER ML/PS
DESIGN 11/26/02

DESIGN REFERENCES
SITE LOCATION
234 Henry Street
North Amherst, MA

BENCHMARK
Bottom of House Siding at Corner Shown.
Elevation = 100.0'

LEGEND

SCALE: 1" = 20'
EXISTING CONTOUR - - - - -
PROPOSED (FILL) CONTOUR _____
SOIL EVALUATION HOLE [Symbol]
PERC HOLE [Symbol]

APPROVALS & REVISIONS

Rev. A SAS moved, notes changed. 01-10-03

Soil Evaluator: Michael Lavigne
Witness: Dave Zarazinski
Date: August 06, 2002

Hole Name: DH1 Elevation: 95.0'

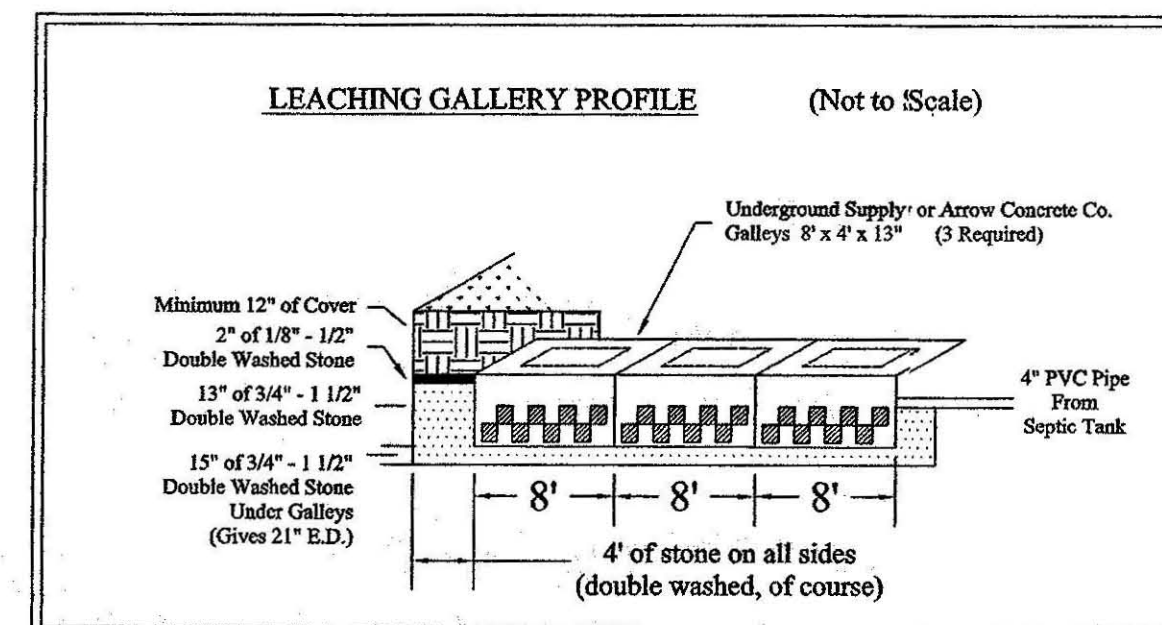
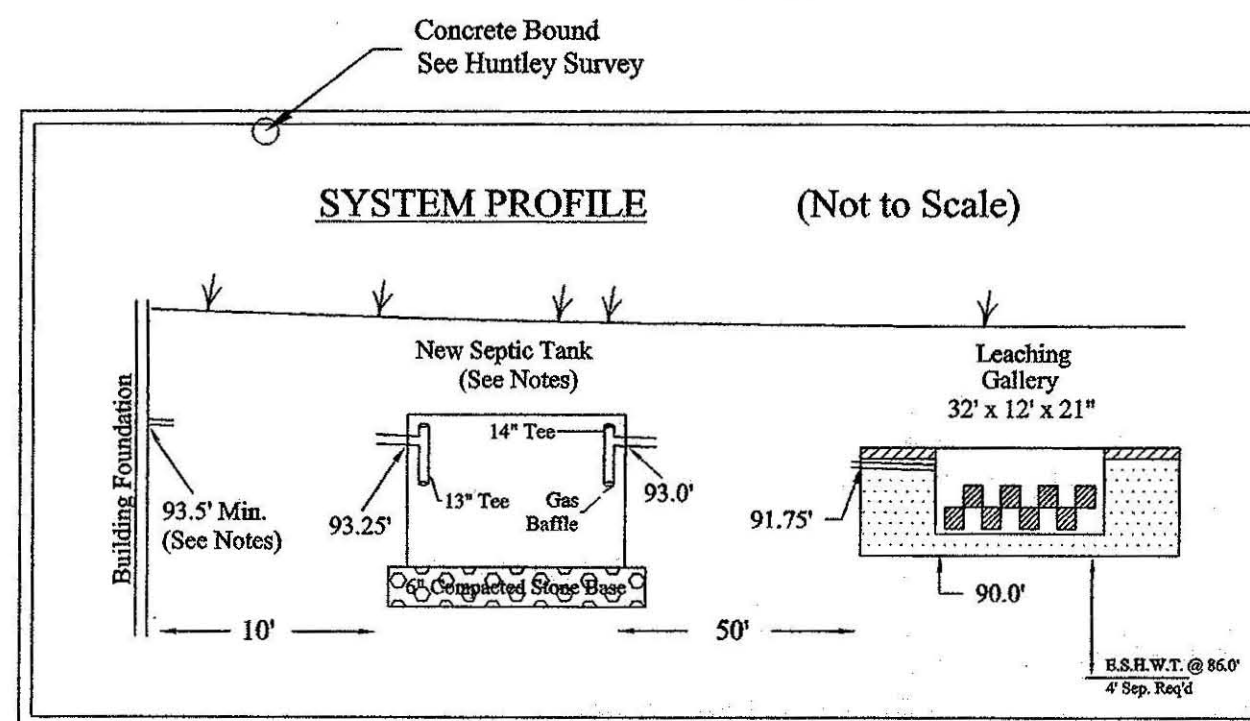
Depth	Horizon	Texture	Color	Mottles
0"-10"	A	SL	10YR3/3	None
10"-20"	B	SL	10YR4/6	None
20"-108"	C	S	2.5Y4/3	None Noted

Estimated Seasonal High Water Table @ 108" or 86.0'
Percolation Rate 5 min/inch

Hole Name: DH2 Elevation: 93.8'

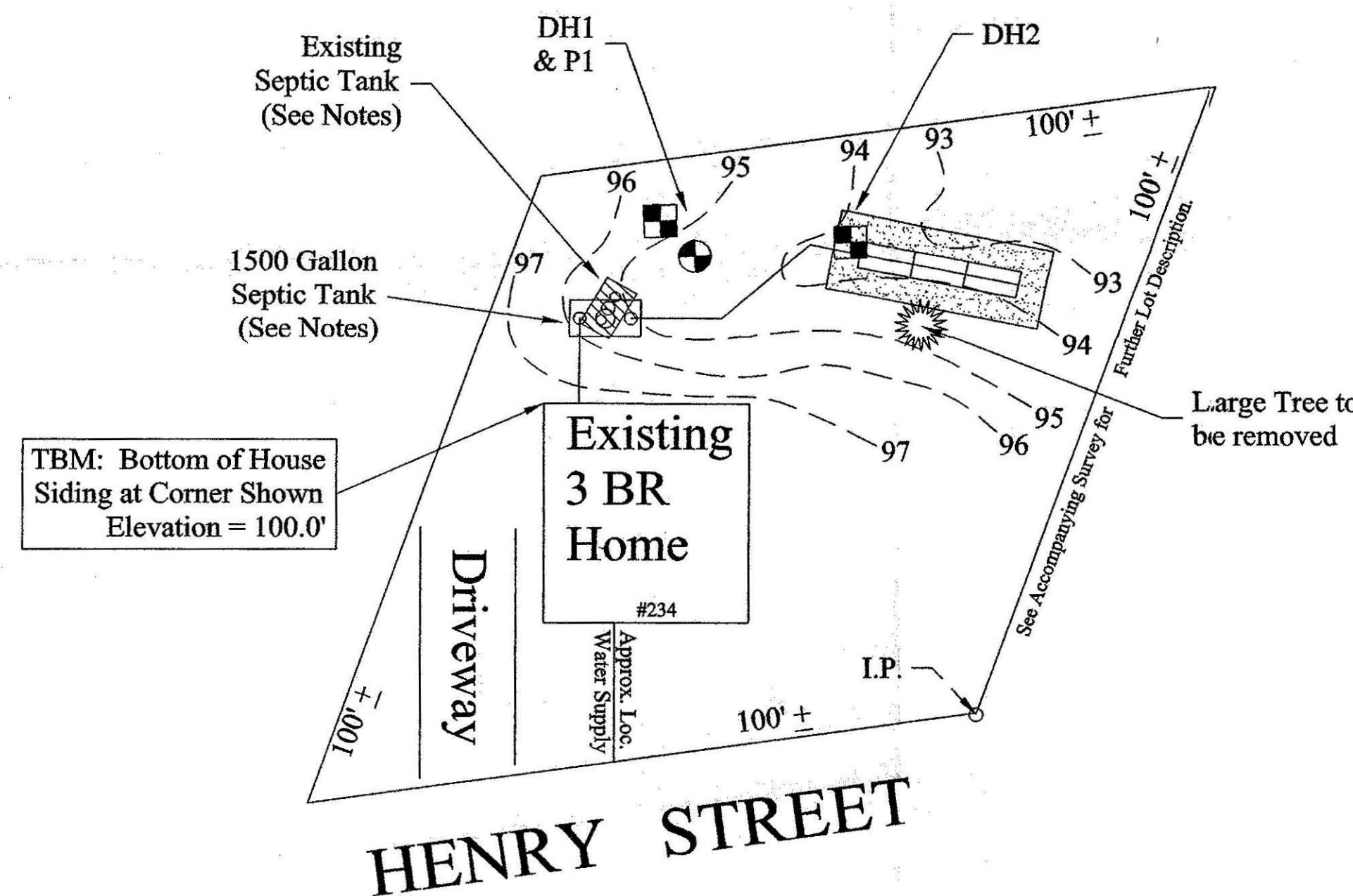
Depth	Horizon	Texture	Color	Mottles
0"-12"	A	SL	10YR3/3	None
12"-24"	B	SL	10YR4/6	None
24"-108"	C	S	2.5Y4/3	None Noted

Estimated Seasonal High Water Table @ 108" or 84.8'



CONSTRUCTION NOTES

- ONE RECTANGULAR SEEPAGE GALLERY, CONSISTING OF THREE (3) GALLEYS (UNDERGROUND SUPPLY OR ARROW CONCRETE 8' x 4' x 13"), SEE PROFILE 4' OF 3/4" - 1 1/2" DOUBLE WASHED STONE AROUND GALLEYS, 15" OF DOUBLE WASHED STONE BENEATH GALLEYS (EFFECTIVE SIZE 32' x 12' x 21") COVER SYSTEM WITH 2" OF 1/8" - 1/2" DOUBLE WASHED STONE.
- SYSTEM IS DESIGNED TO ACCOMMODATE A THREE BEDROOM HOME WITH NO DISPOSAL. ANY EXISTING DISPOSAL IS TO BE REMOVED.
- EXISTING SEPTIC TANK TO BE PUMPED, CRUSHED, AND FILLED WITH SAND. REPLACE WITH NEW 1500 GALLON TANK FITTED WITH 4" PVC SCH. 40 INLET AND OUTLET TEES. TANK TO BE SET ON A COMPACTED STONE BASE A MINIMUM OF 6" DEEP.
- LOCATION AND ELEVATION OF SEPTIC TANK MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SEWER PIPE EXIT LOCATION. MAINTAIN MINIMUM SETBACKS AND PITCHES. NOTIFY ENGINEER IF ANY PROBLEMS ARE ENCOUNTERED.
- BUILDING EXIT LINE TO BE 4" PVC SCH. 40, WITH A MINIMUM SLOPE OF 2%.
- ALL OTHER PIPE CAN BE 4" PVC SDR 35 MINIMUM.
- SET GALLERY AT ELEVATION NOTED IN PROFILE, BACKFILL TO PROVIDE A MINIMUM OF 12" OF COVER AND RE-GRADE TO PRECONSTRUCTION CONDITION, LOAM AND SEED.
- THE LARGE TREE SHOWN WILL NEED TO BE REMOVED.
- ALL CONSTRUCTION TO BE I.A.W. TITLE V, THE STATE ENVIRONMENTAL CODE.
- NOTIFY ENGINEER AT LEAST 72 HOURS PRIOR TO THE TIME INSPECTION IS REQUIRED.



Design Calculations

Design Daily Flowrate: 110 GPD/BR x 3 BR = 330 GPD
Design Perc. Rate: 8 min/inch (Tested @ 5 min/inch)
System Leaching Area:
Sidewall: 2 x (1.75' x 32') + 2 x (1.75' x 12') = 154 Sq. Ft.
Bottom: 32' x 12' = 384 Sq. Ft.
Total: 154 Sq. Ft. + 384 Sq. Ft. = 538 Sq. Ft.
L.T.A.R. (Class 1 Soil): 538 Sq. Ft. x 0.66 GPD/Sq. Ft. = 355 GPD



**ENVIRONMENTAL DESIGN, INC.
101 OLD FERRY ROAD
NORTHAMPTON, MA 01060
1-413-585-5020**

July 22, 2003

Board of Health
Town Offices
Amherst, MA 01002

re: Inspection of Septic System Repair Installation – Pratt Home, 234 Henry Street

Dear Board:

On July 22, 2003, a representative from our office performed a final inspection of the septic system repair installation referenced above. The system was installed by John Lashway of Hadley, MA.

Our representative found that the system appears to have been installed acceptably and in general accordance with our system plan dated 11-26-02. Risers were requested on the septic tank, and a small swath of Title V sand was requested along the downhill portion of the soil absorption system. The system will be backfilled upon completion of these two items. The as-built locations of relevant system components have been documented on the attached sketch.

If there are any questions, please contact our office.

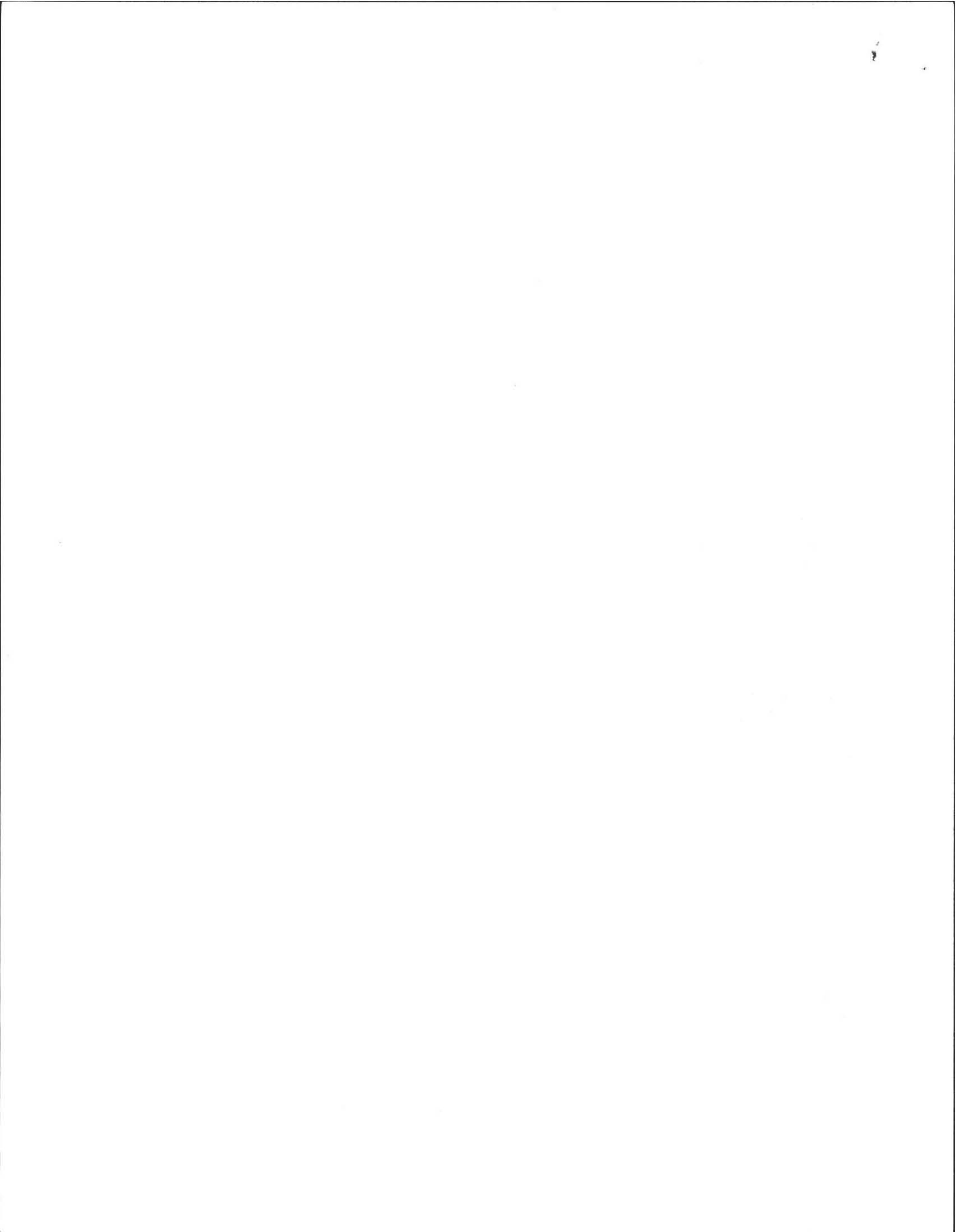
Sincerely yours,



Michael J. Lavigne

I hereby certify that the above referenced system was installed in accordance with Title V and the approved system design prepared by Environmental Design, Inc.

John Lashway, Hadley, MA



AS-BUILT (n.t.s.)

Pratt

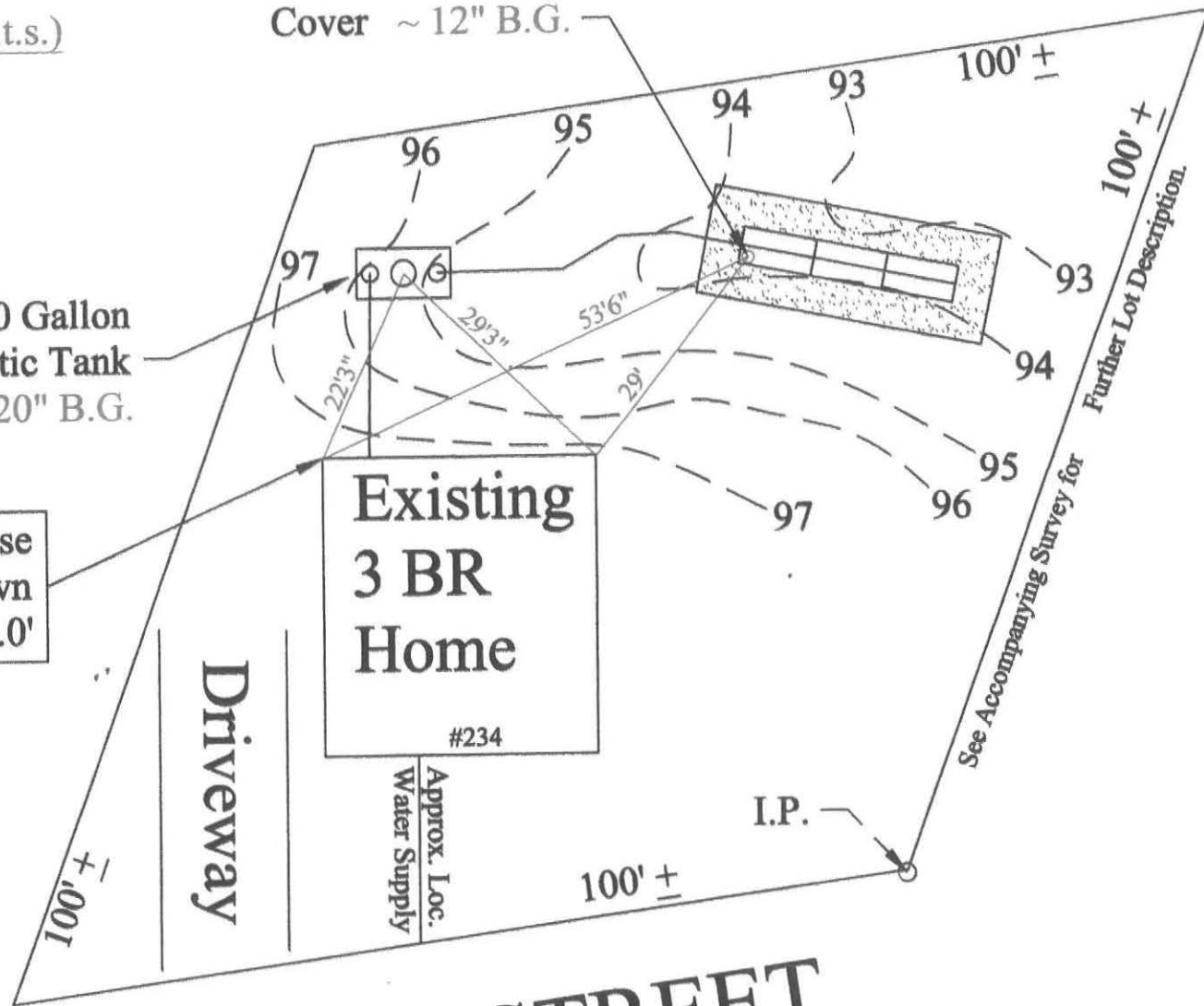
Amherst, MA

07-22-03

1500 Gallon
Septic Tank
~ 20" B.G.

TBM: Bottom of House
Siding at Corner Shown
Elevation = 100.0'

Cover ~ 12" B.G.

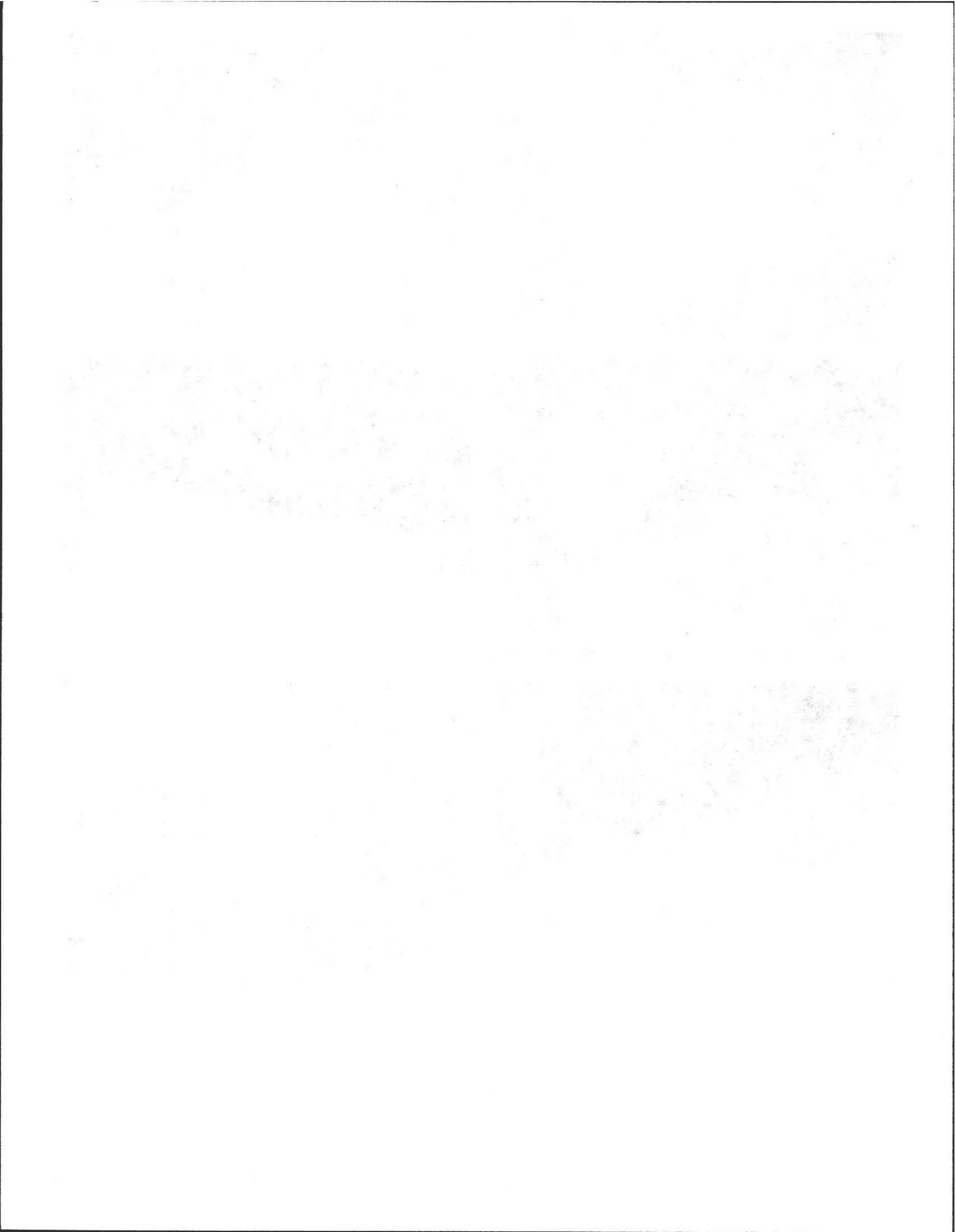


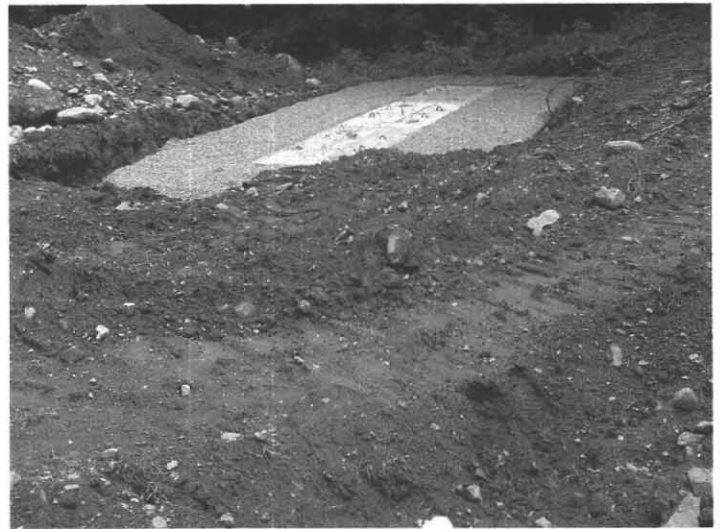
HENRY STREET



①

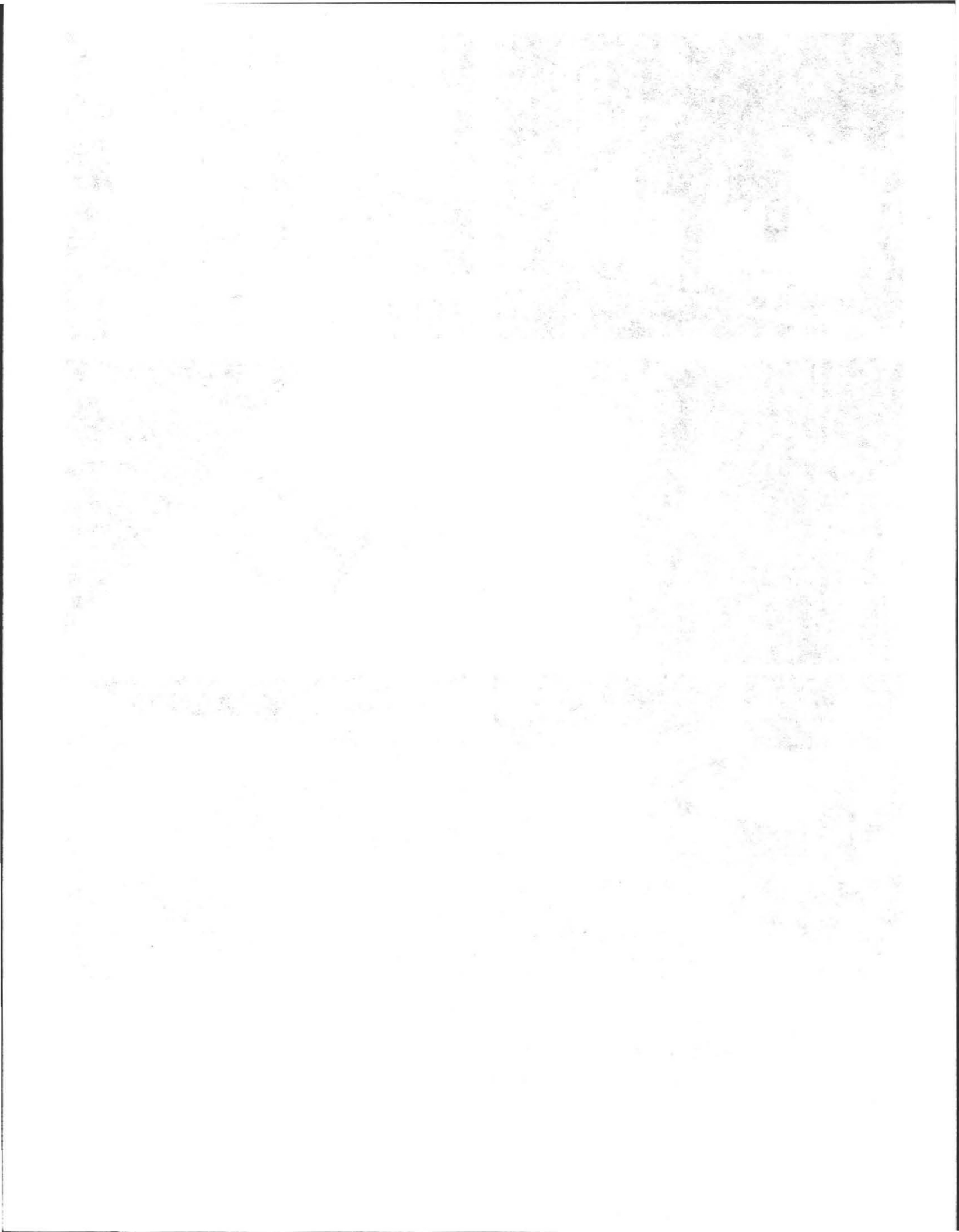
Owner: Jimmy & Christine Pratt
228-234 Henry St.
Installer: John Lashway





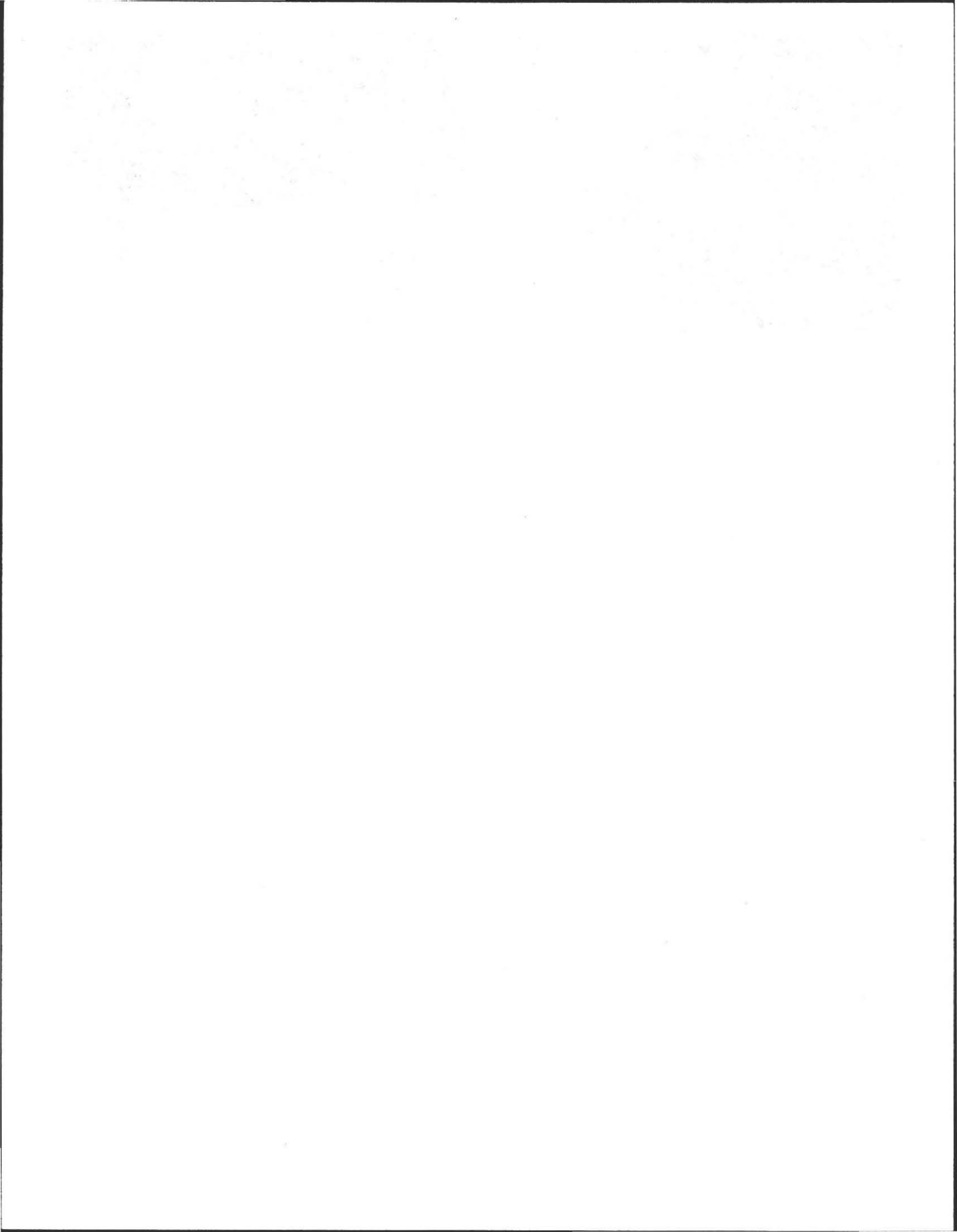
②

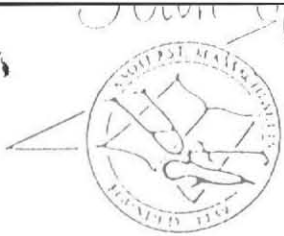
Owner: Jimmy & Christine Pratt
228-234 Henry St.
Installer: John Lashway





③ Owner: Jimmy & Christine Pratt
228-234 Henry St.
Installer: John Lashway





AMHERST Massachusetts

Bettye Anderson Frederic, Director

#234

AMHERST HEALTH DEPARTMENT
70 BOLTWOOD WALK
AMHERST, MA 01002-2128
(413) 256-4077

OFFICE OF THE HEALTH DEPARTMENT

MISCELLANEOUS INSPECTIONS

Name _____

Owner _____

Type of Business _____

Inspection of 234 Henry St

Date: 4/8/92 Time: _____

Business Address _____
(Street)

Amherst
(City or Town)

Violation(s) and remarks: Received a Call from Rita
(C.D.B.G.) Contractor broke pipe from
house to tank (arranging), he will replace
on Wednesday April 8, 1992

This Inspection Report is signed and certified
Under the pains and penalties of perjury.

Signature of Inspector: David Zappala

Signature of Owner or Person in Charge: _____

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

No. **0100**

Received of MARIE H. PRATT of 234 Henry St
Name Address
 For Property Located at: 234 Henry St M Pratt
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

Carol Jozwicki
 Inspection Services/Health Department

9/9/97
 Date

CK # 999

AMHERST LIVE DATABASE
 MISC CHG# RECEIPTS
 Date / Time : 09/09/97 11:35:46
 Payment : 160.00
 Check/Credit Card #:

Clerk : 0100
luciak

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

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

No. **0100**

Received of MARIE H. PRATT of 234 Henry St
Name 234 Henry St Address
 For Property Located at: M. Pratt
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>100⁰⁰</u> | HEA | _____ |
| HEA013 Recreation Camp License.
R6510 443503 | _____ | | |

TOTAL FEE: 160.00

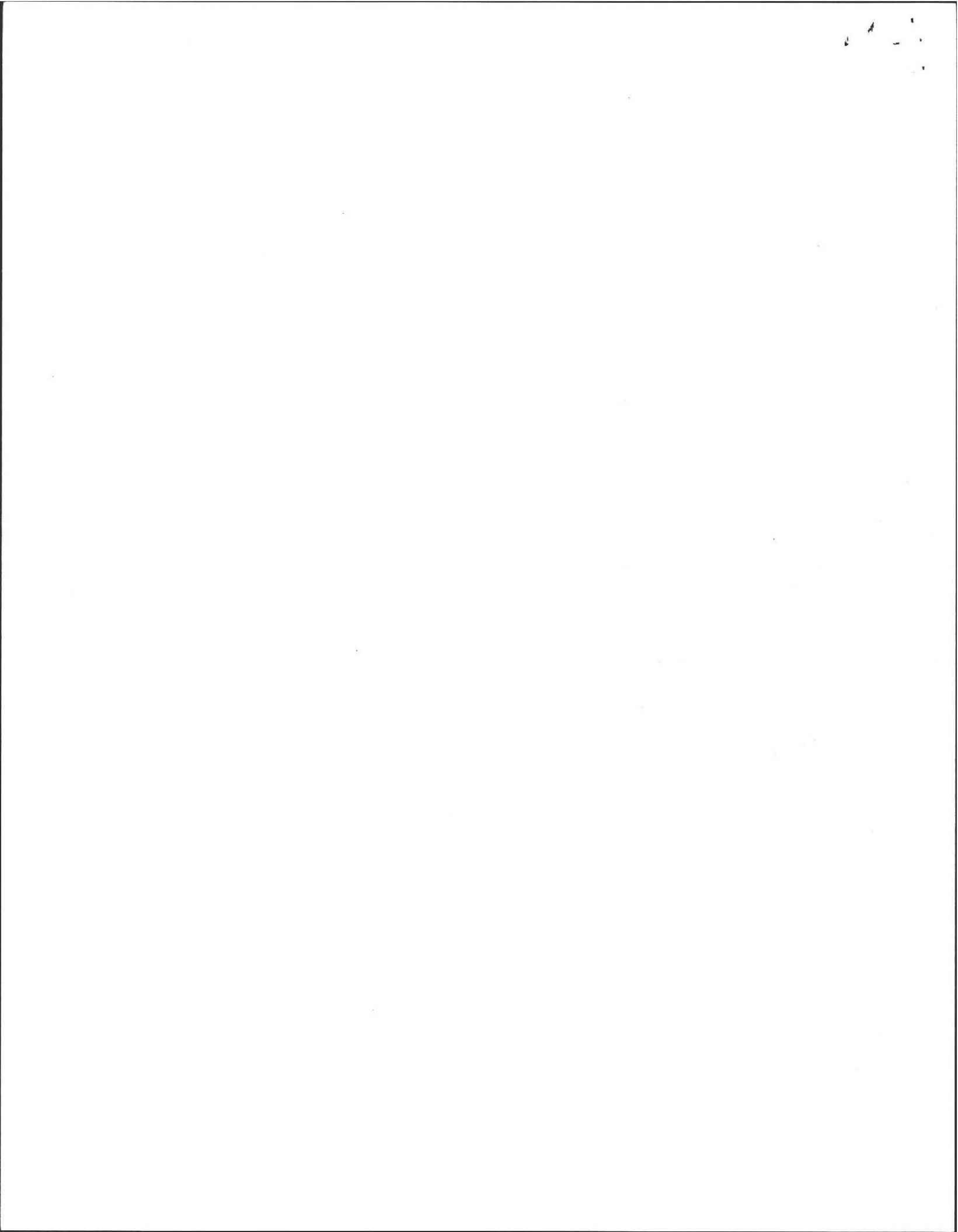
David J. [Signature]
 Inspection Services/Health Department

9/9/97
 Date

PAID
9/9/97

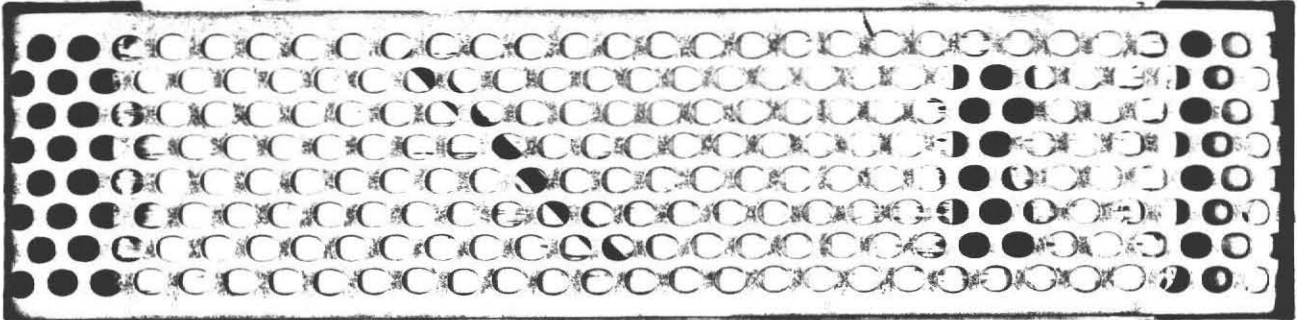
CH # 999

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

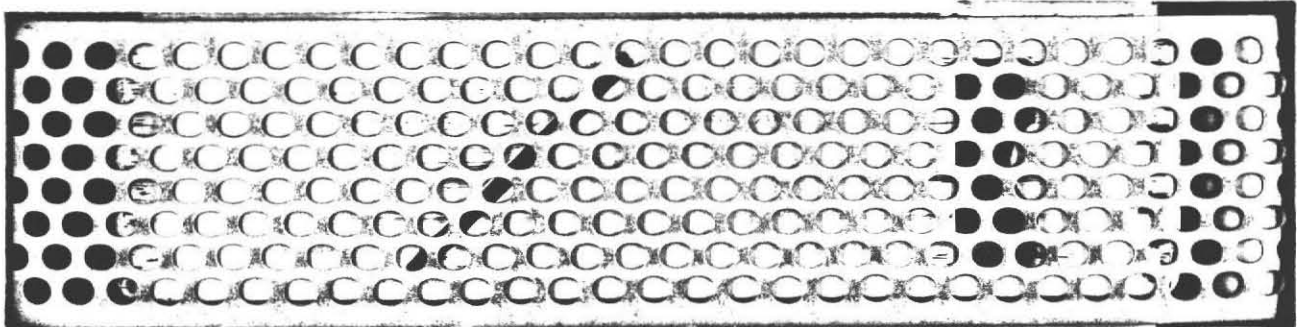


RECEIVED SEP 0 8 1997

RECEIVED SEP 0 8 1997



MEMO *Perk - Septic 228 Henry St* *Marie W. Pratt*
 College Street Office 4304
 Amherst, Massachusetts 01002
First Bank
One Hundred and Sixty
 DOLLARS
 ORDER OF *Town of Amherst*
 PAY TO THE
 MARIE H. PRATT
 234 HENRY ST.
 CUSHMAN, MA 01002
 DATE *9-8-97*
 5023405056
 5-13/110
 999
 ⑆011000138⑆ 50234 05056⑆ 0999



11

1407
PC
8/29/97

No. _____

Date: 7/29/97

Commonwealth of Massachusetts
Massachusetts
Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Robert S. Soren
Witnessed By: D. Zlotnick

Date: 7/29/97

Location Address or Lot #	Owner's Name, Address, and Telephone #
	<u>AL Brunette</u> <u>228 Heart St.</u> <u>Amherst</u>
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) _____

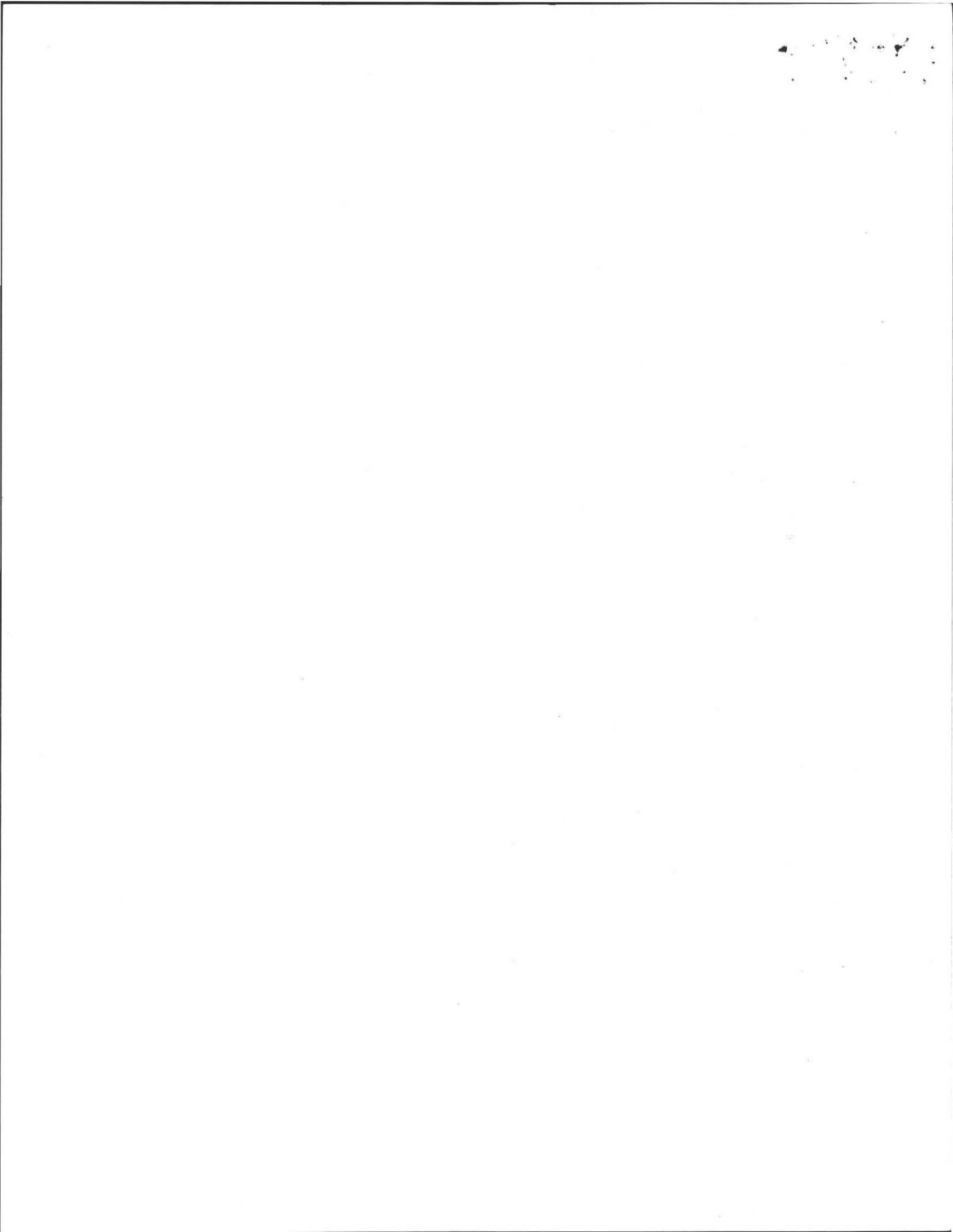
Current Water Resource Conditions (USGS): Month _____

Range :Above Normal Normal Below Normal

Other References Reviewed: _____



Handwritten notes: KMZ
586-9159



FORM 12 - PERCOLATION TEST

Location Address or Lot No. 228 Henry St.

COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

Percolation Test*		
Date:	<u>7/29/97</u>	Time: <u>9:19</u>
Observation Hole #		
Depth of Perc	<u>72"</u>	
Start Pre-soak	<u>9:19</u>	
End Pre-soak	<u>9:34</u>	
Time at 12"	<u>9:36</u>	
Time at 9"	<u>10:21</u>	<u>10:37 AT 8"</u>
Time at 6"		<u>11:07 AT 7"</u>
Time (9"-6")	<u>74 MIN</u>	<u>4"</u>
Rate Min./Inch	<u>25 MIN.</u>	

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

Site Passed Site Failed

Performed By: Robert Stover

Witnessed By: D. ZAROZINSKI

Comments: _____



1000

Location Address or Lot No. 228 Henry Street

On-site Review

Deep Hole Number _____ Date: 8/29/97 Time: _____ Weather: Rainy
 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 _____

Holes
1+2

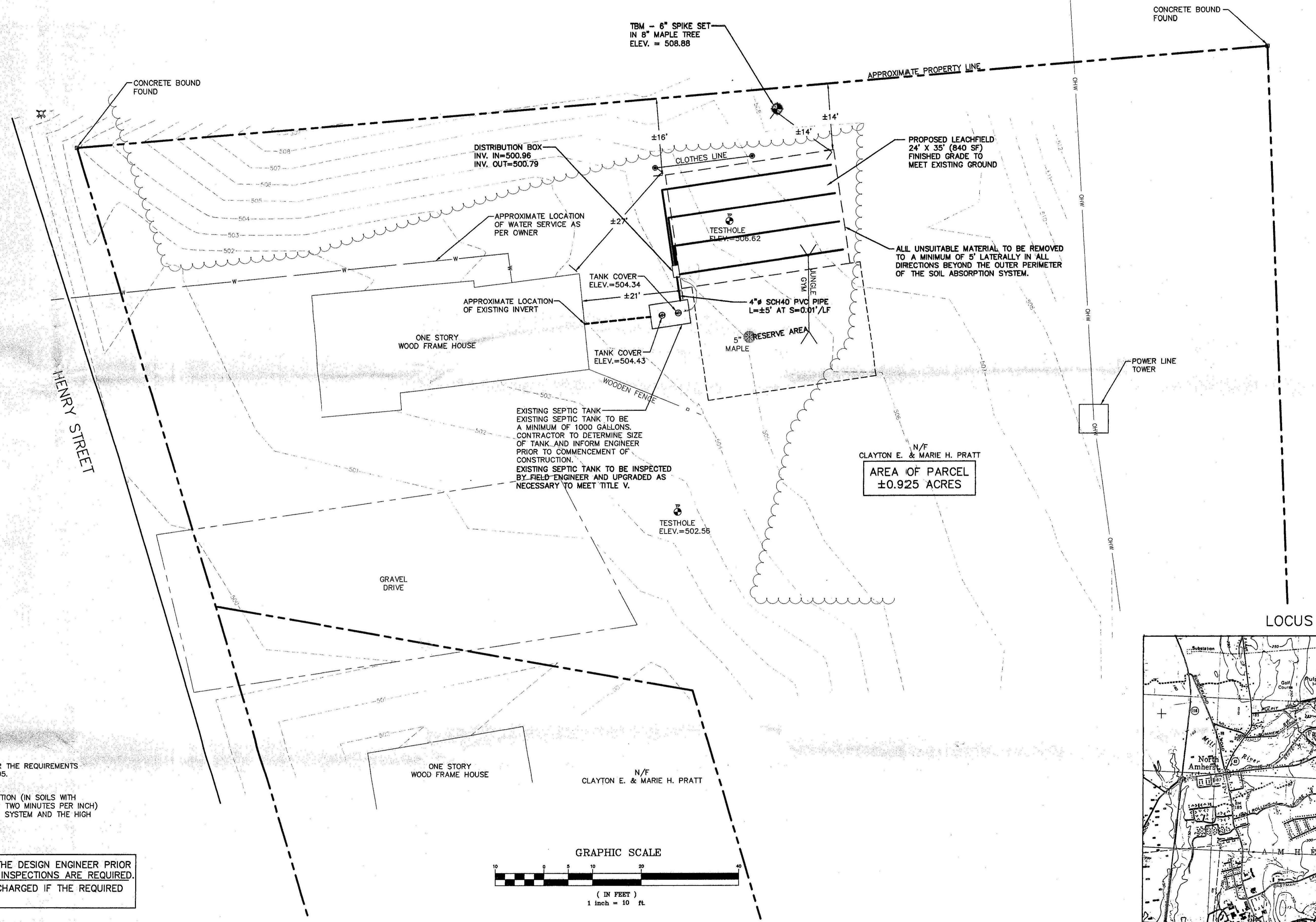
DEEP OBSERVATION HOLE LOG						
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)	
6"	6	A _p	FSL	7.5YR 3/3	None	gravelly very fine
24"	20	B _w	UFSL	10YR 4/6		blocky - friable
53"	48	C ₁	Ms	7.5YR 4/6	None	outwash - loose many stones - boulders
124"	96	C ₂	FSL gravelly	2.5YR 5/3		gravelly - Till gravelly - stony

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: _____

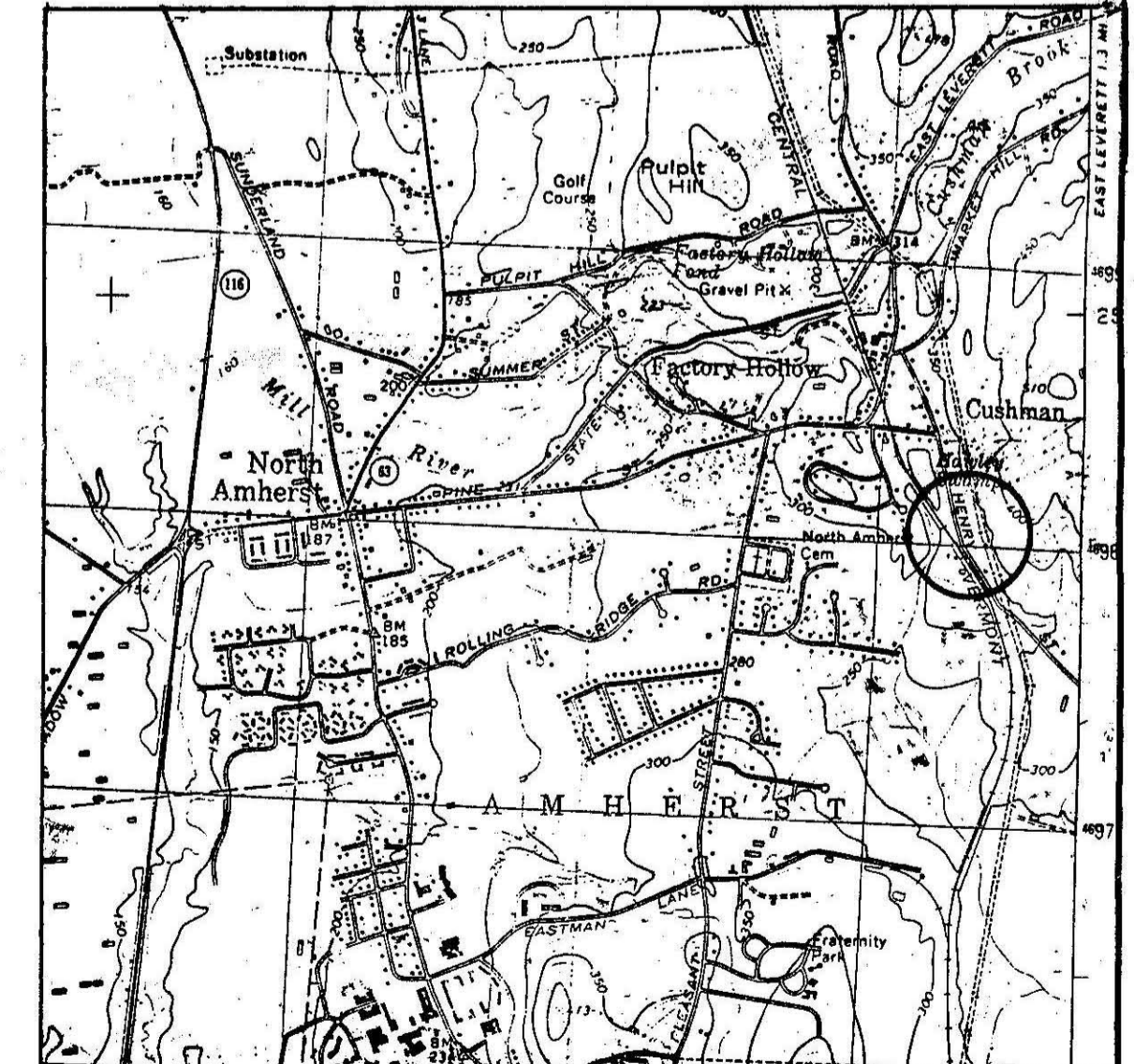
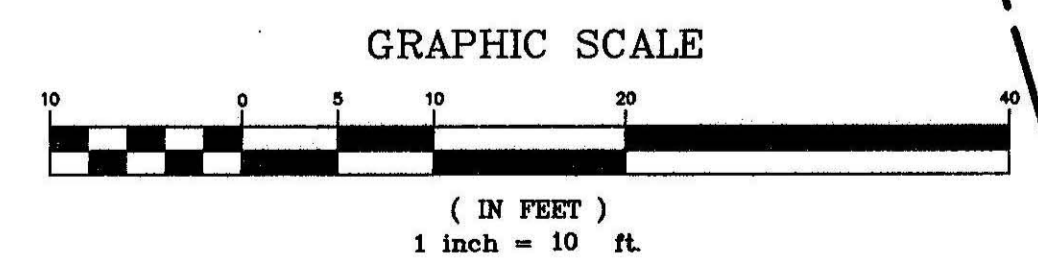


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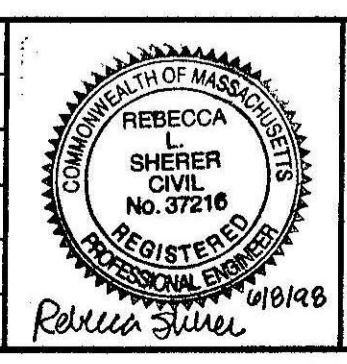
NOTES:
 THE SEPTIC REPAIR DESIGN IS SUBMITTED UNDER THE REQUIREMENTS FOR LOCAL UPGRADE APPROVAL, 310 CMR 15.405.
 THE FOLLOWING LOCAL UPGRADE IS REQUESTED:
 15.405(1)(1)(2); A MINIMUM THREE FOOT SEPARATION (IN SOILS WITH A RECORDED PERCOLATION RATE OF MORE THAN TWO MINUTES PER INCH) BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION IS MAINTAINED.

ONE WEEK NOTICE WILL BE GIVEN TO THE DESIGN ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION. INSPECTIONS ARE REQUIRED. AN ADDITIONAL \$100.00 FEE WILL BE CHARGED IF THE REQUIRED PERIOD OF NOTICE IS NOT GIVEN.



NO.	DATE	BY	REVISIONS

CURRENT DATE:	06/05/98	HORIZ SCALE:	1" = 10'
FIELD WORK:	WW/SH	VERT SCALE:	N/A
COMPS:	A.J.M.	FINAL DATE:	
SURVEYOR:		CHECKED:	R.L.S.
ENGINEER:	R.L.S.	DESIGN:	A.J.M.
		DRAFTING:	A.J.M.



SITE PLAN

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM
 LOCATED AT
 228 HENRY STREET
 AMHERST, MASSACHUSETTS
 PREPARED FOR
 ALBERT BRUNETTE

HUNTLEY
 ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 SURVEYORS ENGINEERS LANDSCAPE ARCHITECTS
 30 INDUSTRIAL DRIVE EAST
 NORTHAMPTON, MASSACHUSETTS

PROJECT NO:	98-108
DRAWING NO:	98108
FILE NO:	
SHEET NO.	1 OF 2

DEEP HOLE # 1 DATE: 7/29/97 CSE: ROBERT STOVER TOWN OBSERVER: DAVID LAROZINSKI EL.=±506.62

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 _p	Fine Sandy Loam	7.5 YR 3/3	----	GRAVELY VERY FINE
6"-24"	B _w	Very Fine Sandy Loam	10YR 4/6	----	BLOCKY, FRIABLE,
24"-53"	C ₁	Med. Sand	7.5YR 4/6	----	OUTWASH, LOOSE MANY STONES, BOULDERS GRAVELY
53"-124"	C ₂	Fine Sandy	2.5YR 5/3	----	TILL GRAVELY

Parent Material (geologic): Ledge: >124" Percolation Rate: 25 MIN./IN.
 Standing Water: NONE Weeping from Pit Face: NONE Percolation Depth: 72"
 Estimated Seasonal High Ground Water: >124" Percolation Design Rate: 25 MIN./IN.

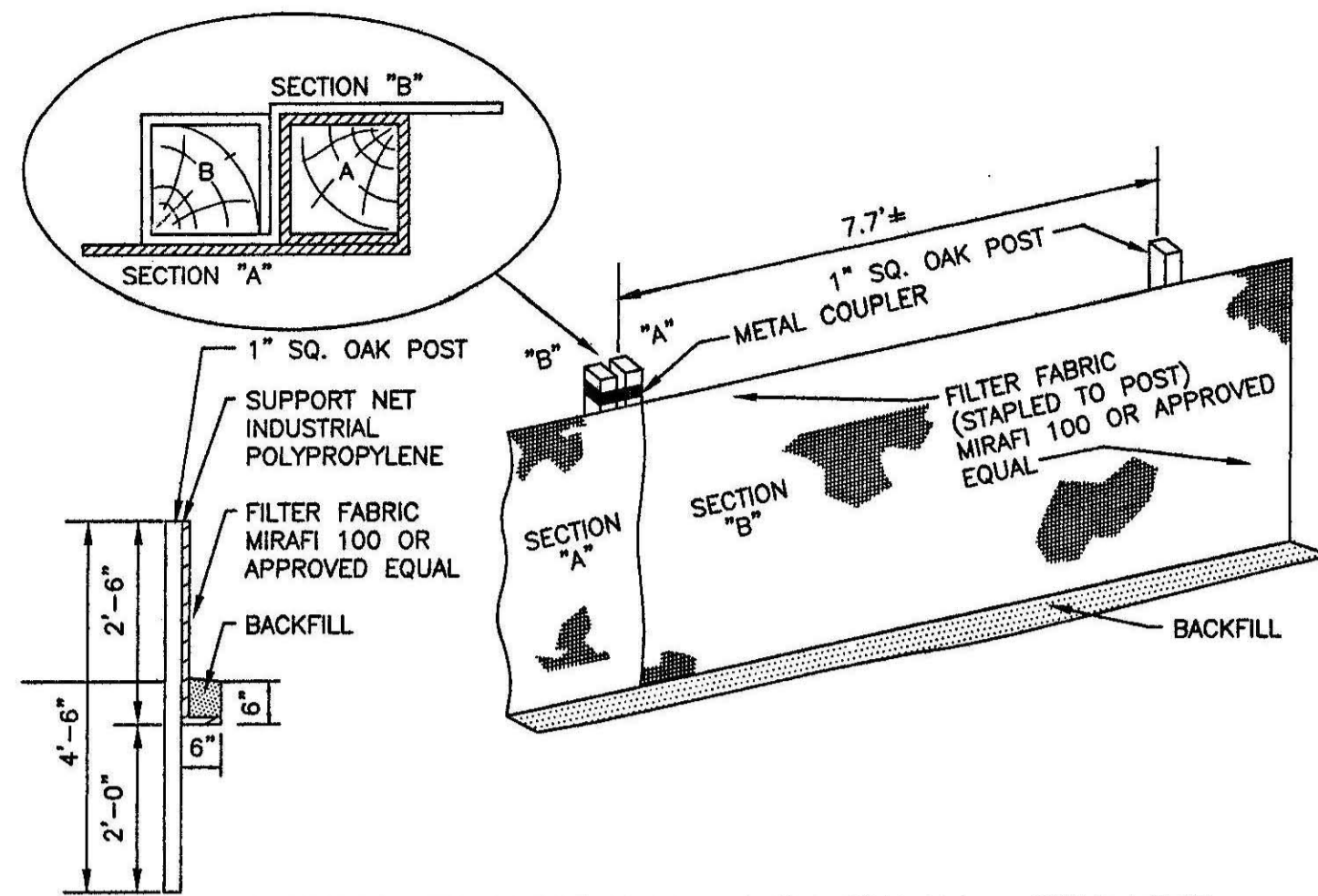
G.W. AT >124"

DEEP HOLE # 2 DATE: 7/29/97 CSE: ROBERT STOVER TOWN OBSERVER: DAVID LAROZINSKI EL.=±502.56

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 _p	Fine Sandy Loam	7.5 YR 3/3	----	GRAVELY VERY FINE
6"-20"	B _w	Very Fine Sandy Loam	10YR 4/6	----	BLOCKY, FRIABLE,
20"-48"	C ₁	Med. Sand	7.5YR 4/6	----	OUTWASH, LOOSE MANY STONES, BOULDERS GRAVELY
48"-96"	C ₂	Fine Sandy	2.5YR 5/3	----	TILL GRAVELY

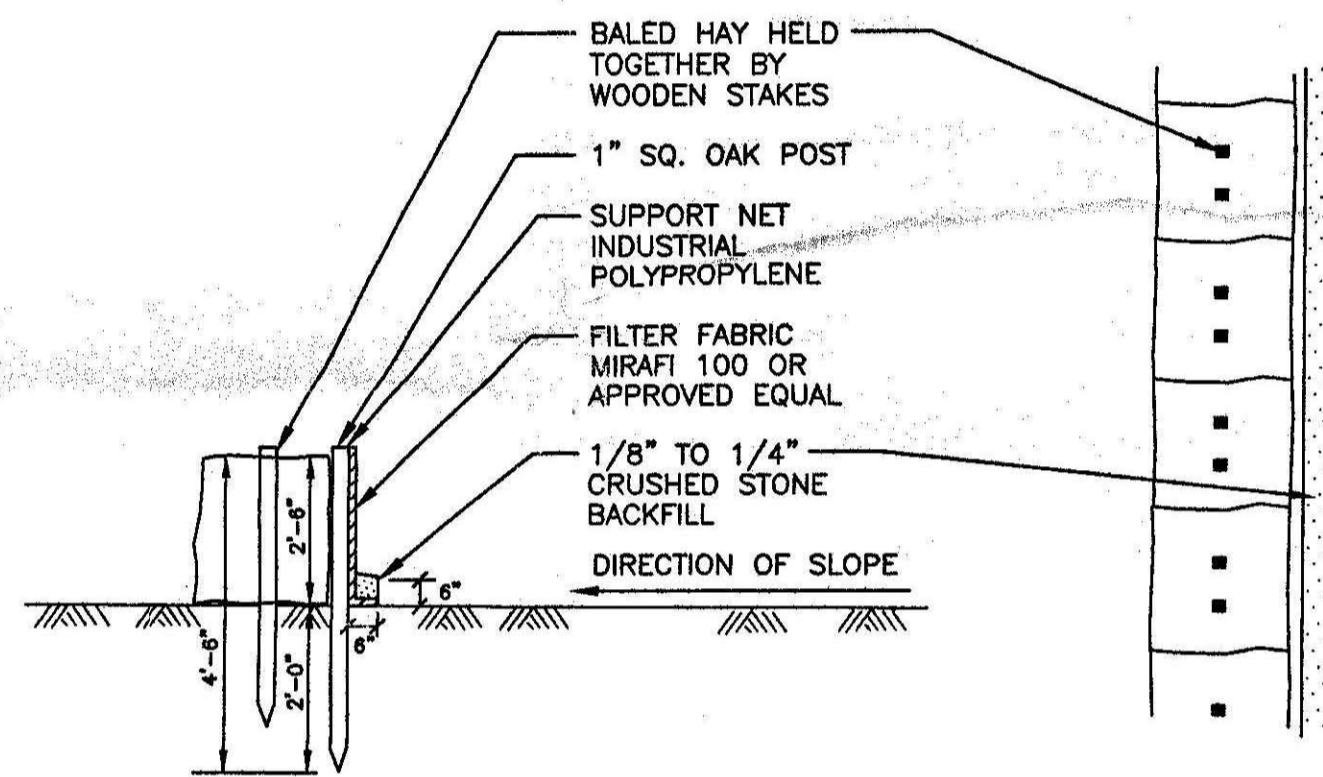
Parent Material (geologic): Ledge: >96" Percolation Rate: 25 MIN./IN.
 Standing Water: NONE Weeping from Pit Face: NONE Percolation Depth: 72"
 Estimated Seasonal High Ground Water: >96" Percolation Design Rate: 25 MIN./IN.

G.W. AT >96"



SEDIMENTATION CONTROL FENCE

N.T.S.

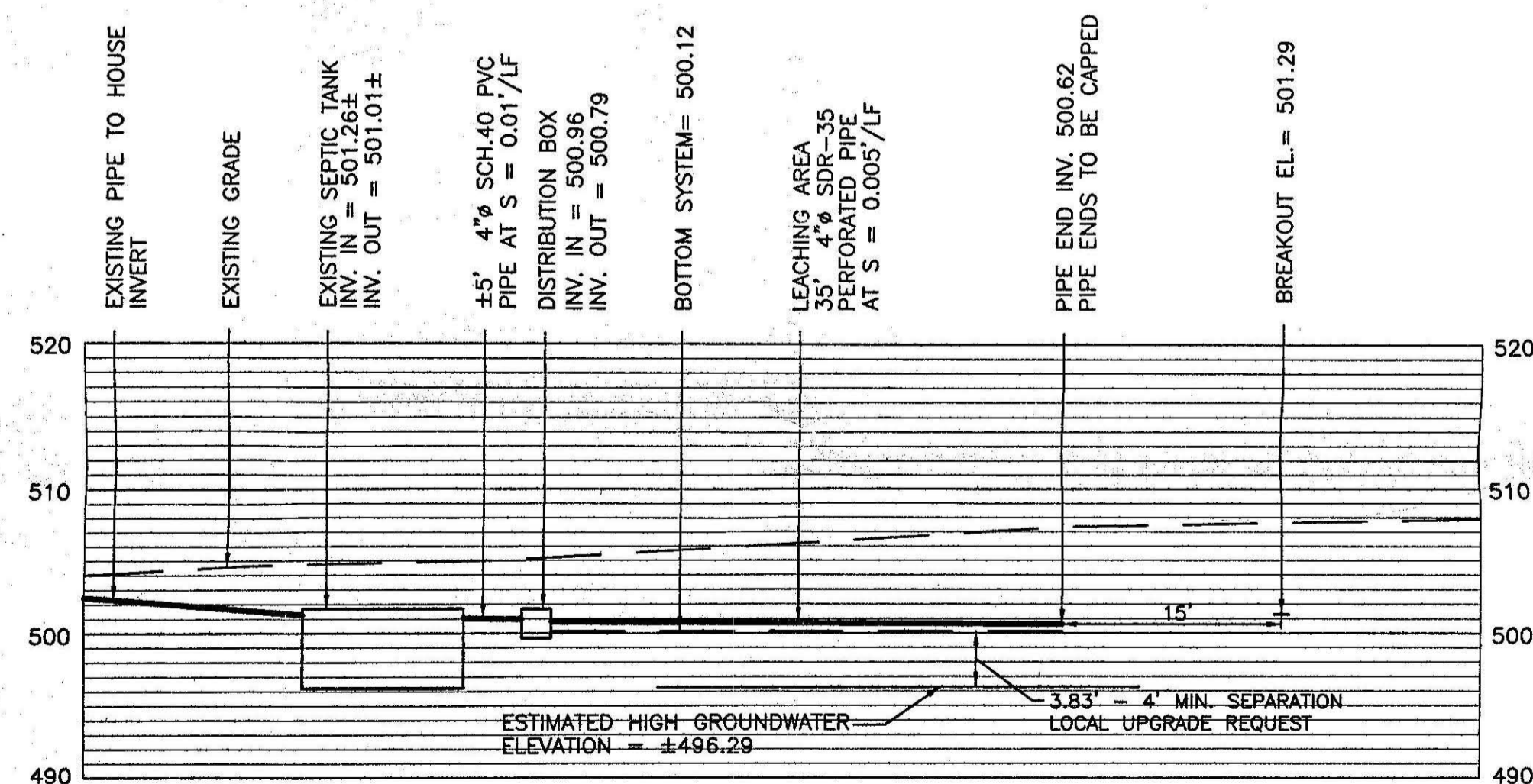


SECTION

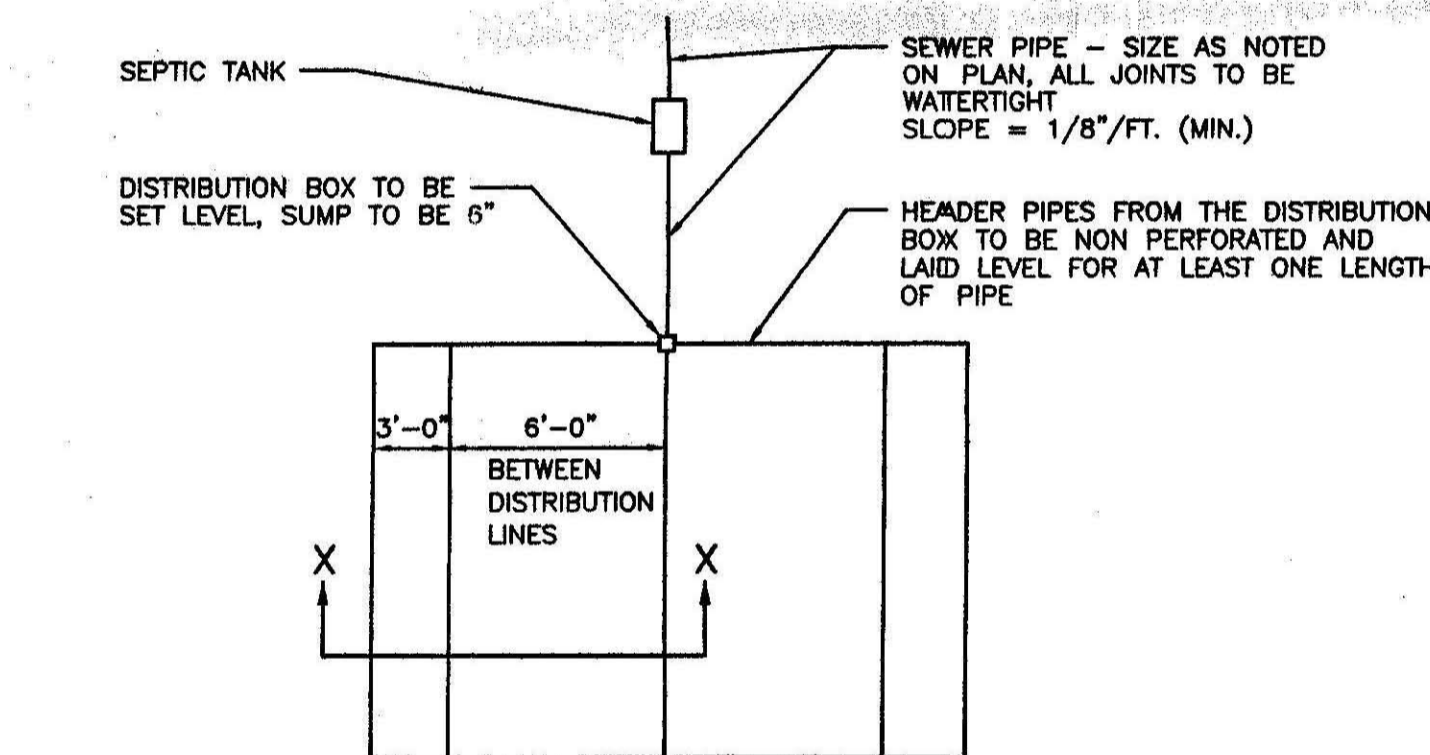
PLAN

SEDIMENTATION CONTROL FENCE W/BALED HAY BACKING

N.T.S.

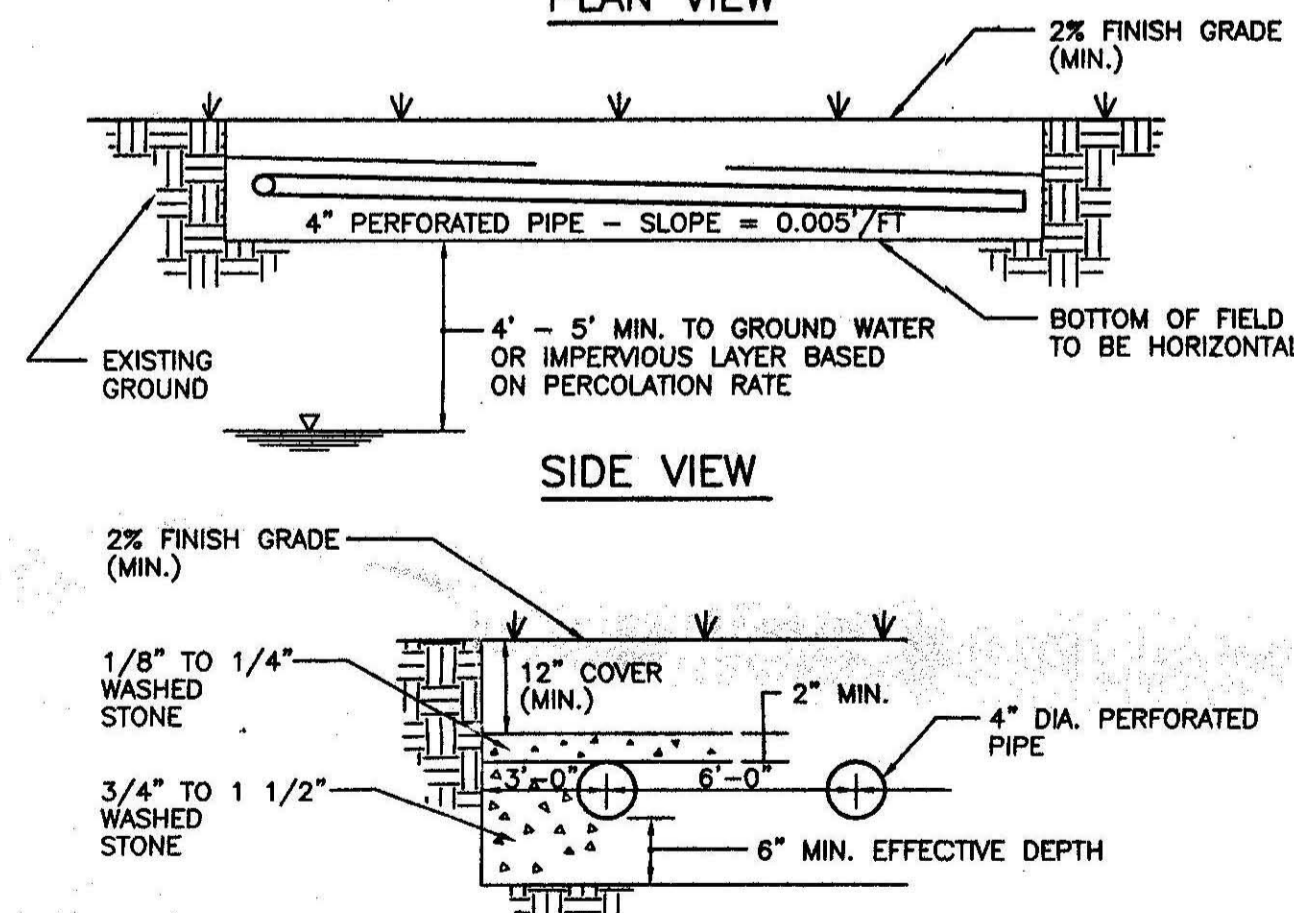


PROFILE
 HORIZ. & VERT. SCALE: 1"=10'



PLAN VIEW

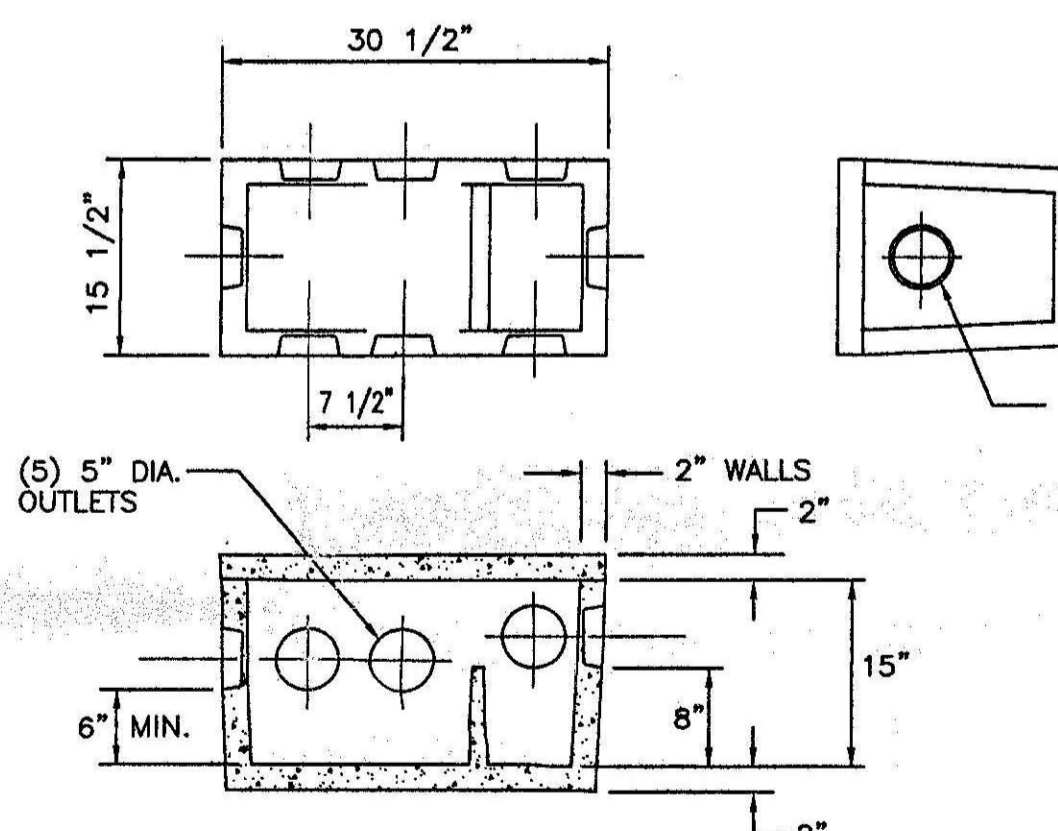
SIDE VIEW



SECTION X-X

LEACHING FIELD

N.T.S.



PRECAST DISTRIBUTION BOX WITH BAFFLE

N.T.S.

CONCRETE MINIMUM STRENGTH - 4,000 P.S.I. @ 28 DAYS
 STEEL REINFORCEMENT - A-615-75, GRADE 60, 1" MIN. COVER

GENERAL EROSION CONTROL GUIDELINES

- ALL AREAS THAT ARE DISTURBED DURING GRADING OPERATIONS WHICH WILL NOT BE PAVED WILL RECEIVE 6" MIN. LOAM AND SEED.
- EROSION CONTROL MEASURES SHALL BE INCORPORATED IN THE SEQUENCE OF CONSTRUCTION TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE.
- NATURAL VEGETATION SHALL BE RETAINED WHENEVER FEASIBLE UP TO THE SCHEDULED START OF A CONSTRUCTION ACTIVITY IN THE AREA. WHERE POSSIBLE, CLEARING SHALL IMMEDIATELY PROCEED CONSTRUCTION ACTIVITY. AREAS SUBJECT TO EROSION SHALL BE MINIMIZED IN TERMS OF TIME AND AREA.
- IN GENERAL, WORK REQUIRING EROSION CONTROL INCLUDES EXCAVATIONS, FILLS, DRAINAGE, SWALES AND DITCHES, ROUGH AND FINISH GRADING, AND STOCKPILING OF EARTH.
- EROSION CONTROL MEASURES SHALL, WHERE APPLICABLE, INCORPORATE AT LEAST THE FOLLOWING PROCEDURES DETAILED ON THIS DRAWING.
 - TEMPORARY BARRIER OF HAY BALES TO PREVENT SEDIMENT-LADEN WATER FROM ENTERING INCOMPLETE STORM DRAINAGE SYSTEM.
 - TEMPORARY BARRIER OF HAY BALES TO ACT AS EROSION CHECKS AT THE TOES OF EMBANKMENTS AND SLOPES.
 - TEMPORARY EARTH BERMS TO ACT AS SEDIMENT TRAPS IN AREAS OF EXTREME RUNOFF.
 - TEMPORARY EROSION CHECKS IN DITCHES AND SWALES TO PREVENT SEDIMENT-LADEN WATER FROM ENTERING BODIES OF SURFACE.
 - PROVIDE TEMPORARY SLOPE EROSION CONTROL WHERE REQUIRED.
 - FILL AND GRADING SHALL BE TREATED WITH SLOPE STABILIZATION SEEDING OR GROUND COVER AND HAY MULCH UPON COMPLETION.
- ADDITIONAL EROSION CONTROL MEASURES SHALL BE INCORPORATED AS DIRECTED BY THE ENGINEER WHEN THE EXISTING MEASURES ARE INADEQUATE.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL THE EMBANKMENT OR FINISHED GRADE IS STABILIZED. EROSION CONTROL MEASURES SHALL THEN BE REMOVED AND THE AREAS ARE TO BE FINISH GRADED AND PLANTED AS SHOWN ON DRAWINGS OR AS NOTED IN THE SPECIFICATIONS.

NOTES:

THESE PLANS ARE PREPARED AS AN ENGINEERING DESIGN AND ARE NOT INTENDED TO BE USED FOR DETERMINATION OF PROPERTY LINES.

ALL WORK TO BE IN ACCORDANCE WITH THE STATE SANITARY CODE, TITLE 5. ANY DEVIATION FROM THE CODE OR THESE PLANS WILL IMMEDIATELY REPORTED TO THE BOARD OF HEALTH AND THE DESIGN ENGINEER.

ONE WEEK NOTICE PRIOR TO THE BEGINNING OF CONSTRUCTION TO BE GIVEN TO THE DESIGN ENGINEER. FIELD INSPECTION IS REQUIRED PRIOR TO BACKFILL OF SYSTEM, AS PER TITLE 5, SECTION 15.021. ADDITIONAL \$100 FEE FOR FAILURE TO NOTIFY AS NOTED.

SEPTIC TANK SHOULD BE INSPECTED AND CLEANED ON A REGULAR BASIS AS PER TITLE 5, SUBPART D: INSPECTION AND MAINTENANCE OF SYSTEMS, 15.351, SYSTEM PUMPING AND ROUTINE MAINTENANCE.

THE CONTRACTOR IS RESPONSIBLE TO CONTACT "DIG-SAFE" PRIOR OF START OF CONSTRUCTION. THESE PLANS MAY NOT SHOW ALL UTILITIES EXISTING OR THOSE TO BE INSTALLED ON THIS SITE. THE ENGINEER TAKES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON THESE PLANS.

ALL PRECAST CONCRETE PRODUCTS ARE TO BE MADE BY ROTONDO & SONS, INC. OR APPROVED EQUAL.

THE CONTRACTOR WILL OBTAIN ALL THE NECESSARY PERMITS AND LICENSES BEFORE THE START OF THIS PROJECT.

ALL SEWER PIPING FROM THE SEPTIC TANK TO THE DISTRIBUTION BOXES TO BE 4" PVC, SCHEDULE 40 RING-TITE PIPE.

ALL HEADER PIPING TO BE 4" PVC, SDR-35 RING-TITE PIPE, AND IS TO BE LAID LEVEL.

DISTRIBUTION LINES PIPE TO BE 4" PVC, SDR-35 RING-TITE PIPE (PERFORATED).

ALL CONCRETE STRUCTURES TO BE WATERTIGHT. HYDRAULIC CEMENT WILL BE USED TO FIX PIPES IN PLACE.

LEACHING FIELDS WILL BE COVERED WITH A MINIMUM OF 1'-0" COVER, 6" WHICH WILL BE SCREENED LOAM & SEED.

CLEANOUT MANHOLES TO BE INSTALLED TO WITHIN 6" OF GRADE OVER THE SEPTIC TANK. (20" DIAMETER REQUIRED).

NO WELLS OBSERVED WITHIN 200' OF DISPOSAL AREAS.

LOCATIONS AND ELEVATIONS OF ALL PERTINENT EXISTING INFORMATION TO BE FIELD CHECKED PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HORIZONTAL AND VERTICAL SURVEY WORK RELATIVE TO THE ESTABLISHMENT OF LAYOUT AND GRADES FOR CONSTRUCTION.

EROSION CONTROLS TO BE USED AS NECESSARY.

DAILY DESIGN FLOW & EFFLUENT LOADING RATE

3 BEDROOMS x 2 PERSONS/BEDROOM = 6 PERSONS
 6 PERSONS x 55 GALLONS OF WASTEWATER/PERSON/DAY = 330 TOTAL GALLONS OF WASTEWATER/DAY

PERCOLATION RATE: 25 MIN./INCH

GALLONS OF WASTEWATER/SQUARE FEET OF LEACH AREA FOR A PERCOLATION RATE OF: 25 MIN./INCH = 0.40 GAL/SF BOTTOM AREA

LEACHING AREA DESIGN

TOTAL DAILY FLOW 330 GAL./DAY + LOADING RATE 0.40 GPD/S.F. = AREA LEACHING (REQUIRED) 825 S.F.

LEACH FIELD AREA DESIGN 840 SQ. FT.: 24' WIDE x 35' LONG.

SEPTIC TANK DESIGN WITHOUT GARBAGE DISPOSAL

330 GALLONS OF WASTEWATER/DAY x 200% = 660 GALLONS REQUIRED EFFECTIVE LIQUID CAPACITY OF SEPTIC TANK.

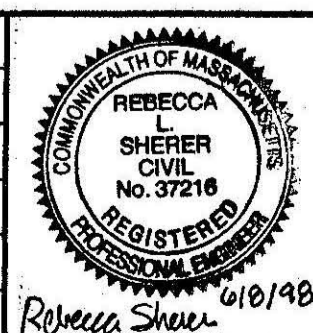
MINIMUM TANK SIZE REQUIRED WITHOUT GARBAGE GRINDER: 1500 GALLON SEPTIC TANK

GARBAGE GRINDER NOT ALLOWED WITH THIS DESIGN

ONE WEEK NOTICE WILL BE GIVEN TO THE DESIGN ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION. INSPECTIONS ARE REQUIRED. AN ADDITIONAL \$100.00 FEE WILL BE CHARGED IF THE REQUIRED PERIOD OF NOTICE IS NOT GIVEN.

NO.	DATE	BY	REVISIONS

CURRENT DATE: 06/05/98	HORIZ SCALE: AS NOTED
FIELD WORK:	VERT SCALE: N/A
COMPS: A.J.M.	FINAL DATE:
SURVEYOR:	CHECKED: R.L.S.
ENGINEER: R.L.S.	DESIGN: A.J.M.
	DRAFTING: A.J.M.



PROFILE, SOIL EVALUATION LOGS, EROSION CONTROLS, DESIGN NOTES & DETAILS

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM
 LOCATED AT
 228 HENRY STREET
 AMHERST, MASSACHUSETTS
 PREPARED FOR
 ALBERT BRUNETTE

HUNTLEY
 ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 SURVEYORS ENGINEERS LANDSCAPE ARCHITECTS
 30 INDUSTRIAL DRIVE EAST
 NORTHAMPTON, MASSACHUSETTS

PROJECT NO: 98-108
DRAWING NO: 98108D1
FILE NO:
SHEET NO.
2 OF 2