

31 Shutesbury Road Pelham, MA 01002 (413) 256-0647

October 19, 1999 Dave Zarozinski Inspection Services Boltwood Avenue Amherst, MA 01002

Subject: Title 5 Septic System Inspection at 374 Middle Street (Estate of Doris Mannheim, Buyer = Norman Coe)

## Dear Dave:

On October 14, 1999 I completed an inspection of the septic system at the subject property in accordance with 310 CMR 15.000 (Title 5) requirements. Two copies of the report are enclosed for your use.

This system is certified as, "Passed" by the criteria in the regulation. Additional comments are included in the report. Also included are excerpt copies of the 1994 design plan by Harold Stiles with installation by John Stanley.

If you have questions on any aspect of the inspection or the report please contact me at the address above or by phone evenings.

Sincerely,

Richard Scott, P.E.

cc: Lawrence Osborn, Atty for Estate of Doris Mannheim Pat Melnik, Atty for Buyer Steven & Norman Coe @ 374 Middle Street

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# COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION ONE WINTER STREET, BOSTON MA 02108 (617) 292-5500

TRUDY COXE Secretary

DAVID B. STRUHS Commissioner

ARGEO PAUL CELLUCCI Governor

# SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A CERTIFICATION

	CERTIFICATION
Property Address: 374 Middle ST.	Name of Owner ESTATE OF DORIS MANNHEIM Address of Owner: % ATTY LAWRENCE OSBORN
Date of Inspection:	11 MAPLE ST. SOUTHAMPTON, MA 01073
Name of Inspector: (Please Print) RICHARD	Sa-
I am a DED approved system inspector no	rsuant to Section 15.340 of Title 5 (310 CMR 15.000)
Mailing Address: 31 Shuresquer Roa	Polyton AAA CIRO?
	2 Petralia
Télephone Number: 413 - 256 - 0 647	
CERTIFICATION STATEMENT	
I certify that I have personally inspected the sewage	e disposal system at this address and that the information reported below is true, accurate pection was performed based on my training and experience in the proper function and
maintenance of on-site sewage disposal systems.	
Passes Conditionally Passes	
	y the Local Approving Authority
Fails	
Inspector's Signature: Richard Scot	Date: 10-18-99
	Authority (Board of Health or DED) within thirty (30) days

The System Inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) 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.

NOTES AND COMMENTS

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## SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A



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Property Address: 374 MIDDLE ST. AMHERST Owner: ESTATE OF DORIS MANNHEIM Date of Inspection: 10-14-99

INSPEC	HUR SUN	mant. Circle A, B, O, Of D.
A. SY	STEM PA	SSES:
./	<b>′</b>	
		ot found any information which indicates that any of the failure conditions described in 310 CMR 15.303 exist. Any failure
COMM		
COMIMI		
B. SY	STEM CO	NOITIONALLY PASSES:
		more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon ion of the replacement or repair, as approved by the Board of Health, will pass.
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, unless the owner or operator has provided the system inspector with a copy of a Certificate of
		Compliance (attached) indicating that the tank was installed within twenty (20) years prior to the date of the inspection; or
		the septic tank, whether or not metal, is cracked, structurally unsound, shows substantial infiltration or exfiltration, or rank failure is imminent. The system will pass inspection if the existing septic tank is replaced with a complying septic tank as approved by the Board of Health.
		Sewage backup or breakout or high static water level observed in the distribution box is due to broken or obstructed pige(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
1. €	_ •	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



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



Property Address: 374 MIDDLE ST. AMHERST Owner. ESTATE OF DORIS MANNHEIM Date of Inspection: 10-14-99 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. SYSTEM WILL PASS UNLESS BOARD OF HEALTH DETERMINES IN ACCORDANCE WITH 310 CMR 15.303 (1)(b) THAT THE SYSTEM 1) 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 surface water Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh. SYSTEM WILL FAIL UNLESS THE BOARD OF HEALTH (AND PUBLIC WATER SUPPLIER, IF ANY) DETERMINES THAT THE SYSTEM IS FUNCTIONING IN A MANNER THAT PROTECTS THE PUBLIC HEALTH AND SAFETY AND THE ENVIRONMENT: . The system has a septic tank and soil absorption system (SAS) and the SAS is within 100 feet of a surface water supply or tributary to a surface water supply. The system has a septic tank and soil absorption system and the SAS is within a Zone I of a public water supply well. The system has a septic tank and soil absorption system and the SAS is within 50 feet of a private water supply well. The system has a septic tank and soil absorption system and the SAS 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. Method used to determine distance \_\_\_\_\_ (approximation not valid). OTHER



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



Property Address: 374 MIDDLE ST. AMHERST Owner-ESTATE OF DARIS MANNHEIM Date of Inspection: 10-14-99 D SYSTEM FAILS: You must indicate either "Yes" or "No" to each of the following: I have determined that one or more of the following failure conditions exist as described 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. Yes No Backup of sewage into facility or system component due to an overloaded or clegged SAS or cesspeol. Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool. 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: You must indicate either "Yes" or "No" to each of the following: The following criteria apply to large systems in addition to the criteria above: The system serves a facility with a design flow of 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: Yes No the system is within 400 feet of a surface drinking water supply

The owner or operator of any such system shall upgrade the system in accordance with 310 CMR 15.304(2). Please consult the local regional office of the Department for further information.

the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area - IWPA) or a mapped Zone II of a public

the system is within 200 feet of a tributary to a surface drinking-water supply ...

RECEIVED OCT 2 2 1999

water supply well)

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### SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART B CHECKLIST



Property Address: 374 MIDDLE ST. AMHERST

ESTATE OF DORIS MANNHEIM

Date of Inspection: 10-14-99

Check if	the follow	ving have been done: You must indicate either "Yes" or "No" as to each of the following:
Yes	No —	Pumping information was provided by the owner, occupant, or Board of Health.
∠ .	<u>-~</u>	None of the system components have been pumped for at least two weeks and the system has been receiving warmal flow rates during that period. Large volumes of water have not been introduced into the system recently or as part of this inspection.
_~//	<sup>1</sup> _	As built plans have been obtained and examined. Note if they are not available with N/A. Copy of Original Designation of PLAN IS ATTACHED
$\checkmark$		The facility or dwelling was inspected for signs of sewage back-up.
1		The system does not receive non-sanitary or industrial waste flow.
1	_	The site was inspected for signs of breakout.
$\checkmark$		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 bafflior 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:
1	_	Existing information. For example, Plan at B.O.H.
1	_	Determined in the field (if any of the failure criteria related to Part C is at issue, approximation of distance is unacceptable [15.302(3)(b)]
<u>/</u> -	_	The facility owner (and occupants, if different from owner), were provided with information on the proper maintenance of SubSurface Disposal Systems.

## SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C



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Property Address: 374 MIDDLE ST. AMMERST Owner: ESTATE OF DORIS MANNHEIM Date of Inspection: 10-14-99

## FLOW CONDITIONS

RESIDENTIAL:
Design flow:_//o_g.p.d./bedroom.
Number of bedrooms (design): 4 Number of bedrooms (actual): 4
Total DESIGN flow 440
Number of current residents: G
Garbage grinder (yes or no): No
Laundry (separate system) (yes or no): No; If yes, separate inspection required LAUNDRY DISCHARGES TO SYSTEM
Laundry system inspected (yes or no)
Seasonal use (ves or no): No
Water meter readings, if available (last two year's usage (gpd): Nor AVAILABLE
Sump Pump (yes or no): No
Last date of occupancy: Currently Occupied
Last date of occupancy. Occupies
COMMERCIAL/INDUSTRIAL: N/A
Type of establishment:
Design flow: gpd ( Based on 15.203)
Basis of design flow
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:
Last date of occupancy.
OTHER: (Describe)
Last date of occupancy:
GENERAL INFORMATION
PUMPING RECORDS and source of information:
NOT PUMPED SINCE 1994 INSTALLATION OF REPAIRED SYSTEM.
System pumped as part of inspection: (yes or no) YES
If yes, volume pumped: /500 gallons
Reason for pumping: SOLION REMOVAL - CHECK 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)
1/A Technology etc. Attach copy of up to date operation and maintenance contract
Tight Tank Copy of DEP Approval
SSP/SIDE Approva
Other
APPROXIMATE AGE of all components, date installed (if known) and source of information: 57EARS OLD. SYSTEM INSTALL
11-94 PER BOARD OF HEALTH RECORDS.
- TO TO THE PART OF PART OF THE PART OF TH
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:	374 MIDDLE ST. AMHERST	
	Owner:	ESTATE OF DORIS MANUHEIM	
	Date of Inspection:	10-14-99	
		70-74-77	
	BUILDING SEWER:		
	(Locate on site plan)		
	Z - Free -	10"	
	Depth below grade:_	tion: V cast iron 40 PVC other (explain)	
	Material of construct	tion: V cast iron 40 PVC other (explain)	
	Dietance from private	e water supply well or suction line N/A WATER SUPPLY IS MUNICIPAL PRESSURE LINE.	
	Diameter 4"	THE SUPPLY WELL STATES OF THE STATES OF THE SUPPLY OF THE	
		on of joints, venting, evidence of leakage, etc.)	
	Good Coap	1 TION. NO EVIDENCE OF LEAKAGE. NOTE TWO BUILDING SEWER PIPES AS SHOWN OF	1.1
	LOCATION	SKETCH.	
	SEPTIC TANK:		
	(locate on site plan)		
	Depth below grade:_	12" (W/ 8" RISER)	
	Material of construct	tion: v concrete metal Fiberglass Polyethylene other(explain)	
	If tank is metal, list a	age Is_age_confirmed by Certificate of Compliance (Yes/No)	
		X 41 X G.5' DEEP. (PER 1994 DESIGN PLAN)	
	Sludge depth: 6	sludge to bottom of outlet tee or baffle: 28" CAST-IN BAFFLE'S	
	Scum thickness: 2		
		f scum to top of outlet tee or baffle: 3"	
	Distance from hotton	m of scum to bottom of outlet tee or baffle: 18"	
		re determined: DIRECTOBSERVATIONS AT TIME OF PUMPING.	
	Tion annonone ire	The or ramping.	
	Comments:		
		pumping, condition of inlet and outlet tees or baffles, depth of liquid level in relation to outlet invert, structural inte	grity,
	evidence of leakage,		
-		<i></i>	
	GREASE TRAP: N/	n e e e e e e e e e e e e e e e e e e e	
	(locate on site plan)		
	Danth halass anadas		
	Depth below grade:_	tion:concretemetalFiberglassPolyethyleneother(explain)	
	iviaterial of construct	donconcretemetalriberglassrolyethyleneother(explain)	
	Dimensions:		
	Scum thickness:		
		scum to top of outlet tee or baffle:	
		n of scum to bottom of outlet tee or baffle:	
	Date of last pumping		
	Comments:		
	(recommendation for	pumping, condition of inlet and outlet tees or baffles, depth of liquid level in relation to outlet invert, structural inte	grity,
0	evidence of leakage,	etc.)	

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## SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

## SYSTEM INFORMATION (continued)

Property Address:	374 MIDDLE ST. AMHERS T
Owner:	ESTATE OF PORIS MANUALEM
Date of Inspection:	10-14-99
TICUT OR HOLDING	TANK: NA (Tank must be pumped prior to, or at time of, inspection)
(locate on site plan)	
Depth below grade:	· ·
Material of construc	ction:concretemetalFiberglassPolyethyleneother(explain)
Dimensions:	
Capacity:	gallons
Design flow:	gallons/day
Alarm present	
	Alarm in working order: Yes No_
Date of previous pu	mping:
Comments:	
(condition of inlet te	e, condition of alarm and float switches, etc.)
	Name of the Control o
DISTRIBUTION BOX	
(locate on site plan)	
(locate oil site pian)	
Depth of liquid level	above outlet invert: O'
Comments:	
(note if level and dis	stribution is equal, evidence of solids carryover, evidence of leakage into or out of box, etc.) 5-0utler D-Box
BURIED C	tribution is equal, evidence of solids carryover, evidence of leakage into or out of box, etc.] 5-OUTLET D-BOX  GOOD CONDITION. THEFTEEIN PLACE. NO SOUDS CARRYOVER.
EQUAL DI	
PUMP CHAMBER: 1	
(locate on site plan)	
180 08 0V	
Pumps in working o	rder: (Yes or No)
Alarms in working o	rder (Yes or No)
Comments:	P C TO S P O NOON
(note condition of p	CONDITION. TOPOF PUMP CHAMBER BURIED 24" WI 18" RISER
DE GOOD	CONDITION, TOP OF YUMP CHAMBER DURIED CY WI TO RISER

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## SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

## SYSTEM INFORMATION (continued)

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Property Address: 374 MIDILE ST. AMHERS T Owner: ESTATE OF DORIS MANNHEIM Date of Inspection: 10-14-96

Date of Inspection: 10-14-9 9

SOIL ABSORPTION SYSTEM (SAS): V

(locate on site plan, if possible; excavation not required, location may be approximated by non-intrusive methods)

If not located, explain:			
T			
Type:			
leaching pits, number:			
leaching galleries, number:			
leaching galleries, number, length:			
leaching fields, number, dimensions: ONE AT 25×36			
overflow cesspool, number:			
Alternative system:			
Name of Technology:			
Comments:			
(note condition of soil, signs of hydraulic failure, level of ponding, damp soil, condition of vegeta	ation, etc.)		
CESSPOOLS: MA			
(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.)		úž-	
PRIVY: N/A			
(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.)		141 10	*

# SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM

SYSTEM INFORMATION (continued)

Property Address: 374 MIDDLE ST. AMHERST

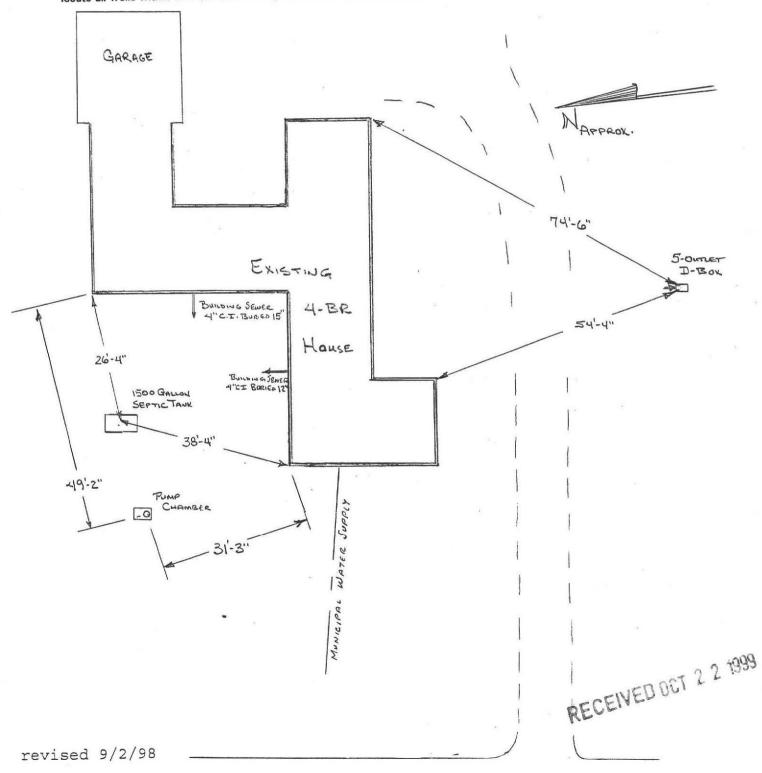
Owner:

ESTATE OF DORIS MANNHEIM

Date of Inspection:

## SKETCH OF SEWAGE DISPOSAL SYSTEM:

include ties to at least two permanent reference landmarks or benchmarks locate all wells within 100' (Locate where public water supply comes into house)



MIDDLE STREET

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## SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

## SYSTEM INFORMATION (continued)

15.00	Owner:	Address:	374 MIDDLE ST. A ESTATE OF DORIN 10-14-99	MANNHEIM			
	NRCS		me				
		Soil Type_ Typical de	pth to groundwater			10-10-10-10-10-10-10-10-10-10-10-10-10-1	
	USGS		site visited on Wells checked				
			ter depth: Shallow	Moderate	Deep		**
	SITE EX	ΔM	Slope				
	OHE EX		Surface water			*	
			Check Cellar Shallow wells				
				NOTE OF THE PARTY.			
	Estimate	ed Depth to	Groundwater 5 Feet I	JEWDING FILL I	ISTALLED DURING	1994 REPAIR	-
	Please in	ndicate all t	he methods used to determin	ne High Groundwater Eleva	tion:		
	VOL	btained from	n Design Plans on record				
			e (Abutting property, observe	tion hale becament sumn	etc )		
	01	bserved. Sit	e (Abutting property, observe	ation nois, basement samp	0.0.,		
	De	etermined f	rom local conditions				
	CI	hecked with	n local Board of health				
	CI	hecked FEN	IA Maps				
	CI	hecked pun	nping records				
	CI	hecked loca	al excavators, installers		9		

Describe how you established the High Groundwater Elevation. (Must be completed)

REVIEWED 1994 DESIGN PLAN. SITE OBSERVATIONS CONFIRM 5' DEPTH TO GROWDWATER

Used USGS Data

Bar - File Talling

THE COMMONWEALTH OF MASSACHUSETTS

## BOARD OF HEALTH

OF AMHERST

Application for Disposal 1	Norks Construction Permit
Application is hereby made for a Permit to Construc	ct ( ) or Repair (X) an Individual Sewage Disposal
System at:	
37 4 MIDDLE ST., AMHERST	
DORIS MANAHEIMI	374 MIDDLE ST. AMHERST AM OLDSE
Owner	Address

374 MIDDLE ST., AMMERIST	
DOK(5 MMMAHICIPI Owner	374 MIDDLE ST. Or Lot No. Almost 114 QUELLA Address
Type of Building	Size Lot. 51, 1625 Sq. feet
	Expansion Attic (10) Garbage Grinder (10)
Other - Type of Building No. o	f persons Showers ( ) — Cafeteria ( )
Other fixtures	445
Design Flowgallons per person	per day. Total daily flow 440 gallons.
	<u>Σ'</u> Ω Width <u>‡'</u> Ω Diameter Depth 6.6
AND THE PROPERTY OF THE PROPER	otal Length Je Total leaching area 200 sq. ft.
Other Distribution box (×) Dosing tank (×	below inlet
Percolation Test Results Performed by	
	Test Pit
Test Pit No. 2 minutes per inch Depth of	Test Pit. 94' Depth to ground water 40'
197	
Description of Soil It 10 11 100 5011, 17-74" 10-20 Subsci 1, 20-42 Sondy green W/11	FURSING, 24'-72' SAWEY LUAM. TYP'Z O-12' TUP'S HE CONS. 48'-64' SILLY CLY 64'-96' Red So. d
Nature of Repairs or Alterations — Answer when applic	able FIELD SINE BAXED WY 9MINIAN ACA
PERCEPTION INTE / FOR SYSTEM /14 > TRUCTE	, , , , , , , , , , , , , , , , , , , ,
Agreement:	19/2 //4 // J'
The undersigned agrees to install the aforedescribe	ed Individual Sewage Disposal System in accordance with
system in operation until a Certificate of Compliance has	Code — The undersigned further agrees not to place the
system in operation than a certificate or comparate has	14 Section 15 de la constante
Signed Signed	Marsher Hard the
Application Approved By Configuration	1/2/1
Application Disapproved for the following reasons:	Date
Permit No. 14-22	Issued Ibut
retunt ivo.	Date

#### THE COMMONWEALTH OF MASSACHUSETTS

## BOARD OF HEALTH

Town OF Andrew T

The Individual Sewage Disposal System constructed ( ) or Repaired ( -T

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. 94-32 dated 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.

THE COMMONWEALTH OF MASSACHUSETTS CEIVED OCT 22 BER BOARD OF HEALTH

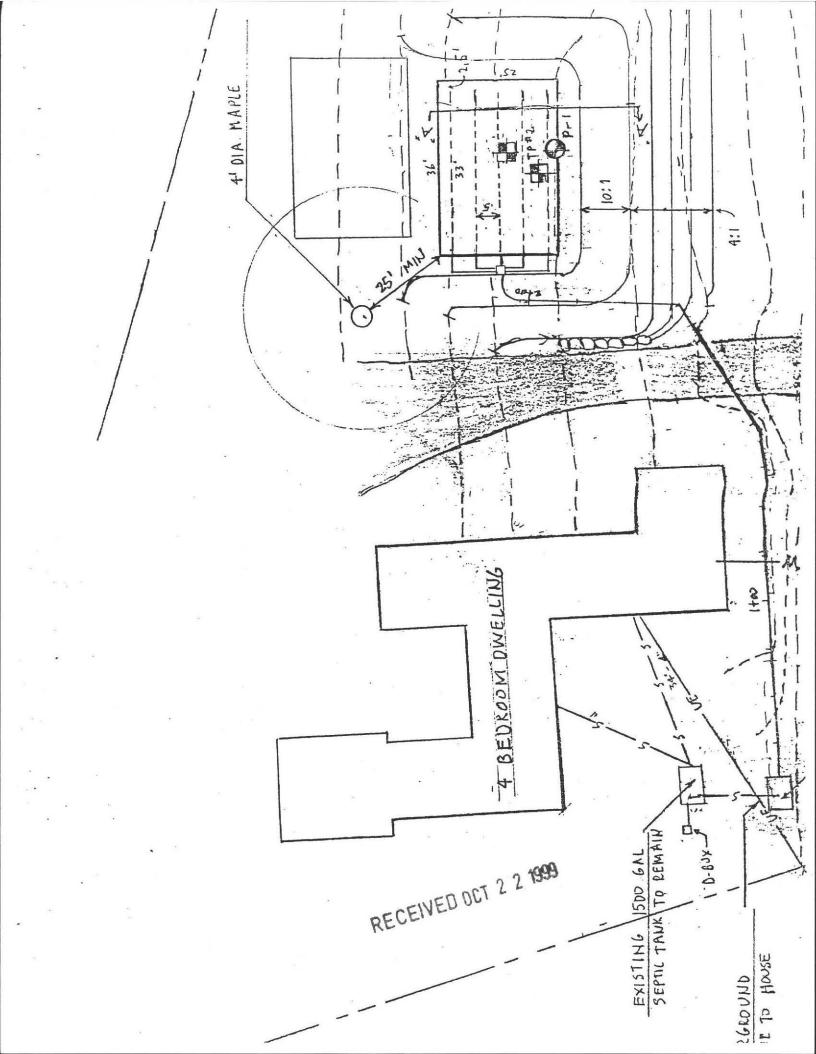
Disposal Works Construction Permit

Permission is hereby granted. Do. A. J. MANUHELM to Construct ( ) or Repair ( ) in Individual Sewage Disposal System at No. 37 / 1716 d. S. T. Rever

as shown on the application for Disposal Works Construction

\* Hund St.

	er N		



31 Shutesbury Road Pelham, MA 01002 (413) 256-0647

October 19, 1999 Dave Zarozinski Inspection Services Boltwood Avenue Amherst, MA 01002

Subject: Title 5 Septic System Inspection at 374 Middle Street (Estate of Doris Mannheim, Buyer = Norman Coe)

Dear Dave:

On October 14, 1999 I completed an inspection of the septic system at the subject property in accordance with 310 CMR 15.000 (Title 5) requirements. Two copies of the report are enclosed for your use.

This system is certified as, "Passed" by the criteria in the regulation. Additional comments are included in the report. Also included are excerpt copies of the 1994 design plan by Harold Stiles with installation by John Stanley.

If you have questions on any aspect of the inspection or the report please contact me at the address above or by phone evenings.

Sincerely,

Richard Scott, P.E.

cc: Lawrence Osborn, Atty for Estate of Doris Mannheim Pat Melnik, Atty for Buyer Steven & Norman Coe @ 374 Middle Street

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# COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION ONE WINTER STREET, BOSTON MA 02108 (617) 292-5500

TRUDY COXE Secretary

DAVID B. STRUHS Commissioner

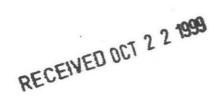
ARGEO PAUL CELLUCCI Governor

# SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A CERTIFICATION

Property Address: 374 MIDDLEST.	Name of Owner ESTATE OF DORIS MANNHEIN
AMHERST	Address of Owner: % ATTY LAWRENCE OSBORN
Date of Inspection:	II MAPLE ST. SOUTHAMPTON, MA OLOTS
Name of Inspector: (Please Print) RICHARD S	COTT
	suant to Section 15.340 of Title 5 (310 CMR 15.000)
Company Name: RICHARD SCOTT, P.E.	
Mailing Address: 31 SHUTESBURY ROAD	PELHAM MA 01002
Telephone Number: 413 - 256-0647	
_11.2 = 2.2 = 2.1	
CERTIFICATION STATEMENT	
<del></del>	disposal system at this address and that the information reported below is true, accurate
	ction was performed based on my training and experience in the proper function and
maintenance of on-site sewage disposal systems. The	
maintenance of on-site sewage disposal systems. The	e ayatam.
Passes	
The state of the s	
Conditionally Passes	
	the Local Approving Authority
Fails	
01114	7
Inspector's Signature: Richard Scott	Date: 10-18-99
The System Inspector shall submit a copy of this insp	pection report to the Approving Authority (Board of Health or DEP) within thirty (30) days
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 own

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.

NOTES AND COMMENTS



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## SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A

## CERTIFICATION (continued)

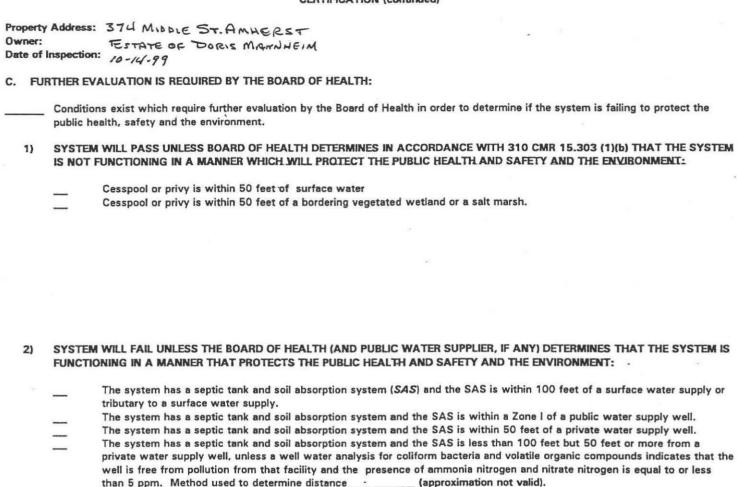


Property Address: 374 MIDDLE ST. AMHERST ESTATE OF DORIS MANNHEIM Owner: Date of Inspection: 10-14-99

INSPEC	CTION SU	MMARY: Check A, B, C, or D:
A. S	YSTEM PA	ASSES:
./	/	
		not found any information which indicates that any of the failure conditions described in 310 CMR 15.303 exist. Any failure not evaluated are indicated below.
COMM	ENTS:	not evaluated are indicated below.
0011111		
B. S	VCTEM CO	ONDITIONALLY PASSES:
в. э	131EM CU	INDITIONALLY PASSES.
		more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon tion of the replacement or repair, as approved by the Board of Health, will pass.
Indicate	e ves, 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, unless the owner or operator has provided the system inspector with a copy of a Certificate of
		Compliance (attached) indicating that the tank was installed within twenty (20) years prior to the date of the inspection; or
		the septic tank, whether or not metal, is cracked, structurally unsound, shows substantial infiltration or exfiltration, or rank
		failure is imminent. The system will pass inspection if the existing septic tank is replaced with a complying septic tank as
		approved by the Board of Health.
		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



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



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



Property Address: 374 MIDDLE ST. AMHERST Owner: ESTATE OF DARIS MANNHEIM Date of Inspection: 10-14-99 D. SYSTEM FAILS: You must indicate either "Yes" or "No" to each of the following: I have determined that one or more of the following failure conditions exist as described 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. Yes No Backup of sewage into facility or system component due to an overloaded or clegged SAS or cesspeol. Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool. 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: You must indicate either "Yes" or "No" to each of the following: The following criteria apply to large systems in addition to the criteria above: The system serves a facility with a design flow of 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: Yes No the system is within 400 feet of a surface drinking water supply

The owner or operator of any such system shall upgrade the system in accordance with 310 CMR 15.304(2). Please consult the local regional office of the Department for further information.

the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area - IWPA) or a mapped Zone II of a public

the system is within 200 feet of a tributary to a surface drinking water supply

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water supply well)

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#### SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART B CHECKLIST

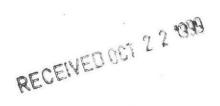


Property Address: 374 MIDDLE ST. AMHERST

ESTATE OF DORIS MANNHEIM

Date of Inspection: 10-14-99

Check	if the follo	wing have been done: You must indicate either "Yes" or "No" as to each of the following:
Yes	No —	Pumping information was provided by the owner, occupant, or Board of Health.
1	·:	None of the system components have been pumped for at least two weeks and the system has been receiving wasmal flow rates during that period. Large volumes of water have not been introduced into the system recently or as part of this inspection.
_ */	A_	As built plans have been obtained and examined. Note if they are not available with N/A. Copy of Original Designation of Plan is Attached
1	-	The facility or dwelling was inspected for signs of sewage back-up.
1		The system does not receive non-sanitary or industrial waste flow.
1	-	The site was inspected for signs of breakout.
$\checkmark$		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 baffl 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:
1	_	Existing information. For example, Plan at B.O.H.
~	-	Determined in the field (if any of the failure criteria related to Part C is at issue, approximation of distance is unacceptable) [15.302(3)(b)]
1-	_	The facility owner (and occupants, if different from owner), were provided with information on the proper maintenance of SubSurface Disposal Systems.



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# SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C SYSTEM INFORMATION



Property Address: 374 MIDDLE ST. AMHERST Owner: ESTATE OF DORIS MANNHEIM

Date of Inspection: 10-14-99

#### FLOW CONDITIONS

RESIDENTIAL:
Design flow: //O g.p.d./bedroom.
Number of bedrooms (design): 4 Number of bedrooms (actual): 4
Total DESIGN flow 440
Number of current residents: G
Garbage grinder (yes or no): No
Laundry (separate system) (yes or no): No; If yes, separate inspection required LAUNDRY DISCHARGES TO SYSTEM
Laundry system inspected (yes or no)
Seasonal use (ves or no): No
Water meter readings, if available (last two year's usage (gpd): Nor AVAILABLE
Sump Pump (yes or no): No
Last date of occupancy: CURRENTLY OCCUPIED
COMMERCIAL/INDUSTRIAL: N/A
Type of establishment:
Design flow:gpd_ ( Based on 15.203)
Basis of design flow
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:
NOT PUMPED SINCE 1994 INSTALLATION OF REPAIRED SYSTEM.
System pumped as part of inspection: (yes or no) Yes
If yes, volume pumped: 1500 gallons
Reason for pumping: SOLIOS REMOVAL - CHECK TANK
TYPE OF SYSTEM
Septic tank/distribution box/soil absorption system
Single cesspool
Overflow cesspool
Privy Shared system (was a ray) (if was letters because in a condition and a six and a six a condition and a condition
Shared system (yes or no) (if yes, attach previous inspection records, if any)
I/A Technology etc. Attach copy of up to date operation and maintenance contract Tight Tank Copy of DEP Approval
right tank copy of DEP Approval
Other
APPROXIMATE AGE of all components, date installed (if known) and source of information: 5/ears OLD. SYSTEM INSTALLED
11-94 PER BOARD OF HEALTH RECORDS.
- 11 FER BUREO OF MEACH NECOROS.
Sewage odors detected when arriving at the site: (yes or no) No
and the state of t

PECENTER STATES

### SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

### SYSTEM INFORMATION (continued)

· · · · · · · · · · · · · · · · · · ·
Property Address: 374 MIDDLE ST. AMHERST
OWNER: ESTATE OF DORIS MANNHEIM
Date of Inspection: 10-14-99
BUILDING SEWER:
(Locate on site plan)
Depth below grade: 12"  Material of construction: V cast iron 40 PVC other (explain)
Material of construction: V cast iron 40 PVC other (explain)
Distance from private water supply well or suction line N/A WATER SUPPLY IS MUNICIPAL PRESSURE LINE.
Diameter 4"
Community (and distance of injust symptom oxidence of lockers etc.)
GOOD CONDITION. NO EVIDENCE OF LEAKAGE. NOTE TWO BUILDING SEWER PIPES AS SHOWN ON
LOCATION SKETCH.
SEPTIC TANK:
(locate on site plan)
Depth below grade: 12" (w/ 8" RISER)
Material of construction: v concretemetalFiberglassPolyethyleneother(explain)
If tank is metal, list age Is.age.confirmed by Certificate of Compliance (Yes/No)
Dimensions: 8' x 4' x 6.5' DEEP. (PER 1994 DESIGN PLAN)
Sludge depth: 6"
Distance from top of sludge to bottom of outlet tee or baffle: 28" CAST-IN BAFFLES
Scum thickness: 3"
Distance from top of scum to top of outlet tee or baffle: 3"
Distance from bottom of scum to bottom of outlet tee or baffle: 18"
How dimensions were determined: DIRECTORSERVATION AT TIME OF PUMPING.
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.)
GREASE TRAP: N/n
(locate on site plan)
Depth below grade:
Material of construction:concretemetalFiberglassPolyethyleneother(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:
Date of last pumping:
C
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 (continued)

Property Address:	374 MIDDLE ST. AMHERST
Owner:	ESTATE OF PORIS MANNHEIM
Date of Inspection:	10-14-99
	- 14-74
	N/a
	TANK: N/A (Tank must be pumped prior to, or at time of, inspection)
(locate on site plan)	
Donth halass grades	
Depth below grade:_	ion:concretemetalFiberglassPolyethyleneother(explain)
Waterial of Collstinct	ionconcretemetalnorgansroryettiyleneother(explain)
Dimensions:	
Capacity:	gallons
Design flow:	
Alarm present	
	Alarm in working order: Yes No
Date of previous pun	
Comments:	
	e, condition of alarm and float switches, etc.)
	According to the control of the cont
DISTRIBUTION BOX:	: <u>-Y</u>
(locate on site plan)	
B 4 45 111 11	Annual and the College of the Colleg
Depth of liquid level	above outlet invert: O''
Comments:	
	tribution is equal, evidence of solids carryover, evidence of leakage into or out of box, etc.) 5-OUTLET - D-Box
TS . C. = - C	" GOOD CONDITION. INCETTEEIN PLACE. NO JOYDS CARRYOVER.
	TRITUTION
EGNAL DIS	TENTO
PUMP CHAMBER: V	
(locate on site plan)	_
(locate on site plan)	
Pumps in working or	der: (Yes or No)
Alarms in working or	der (Yes or No)
Comments:	
(note condition of pu	mp chamber, condition of pumps and appurtenances, etc.) Pump Syamor & Pumps Append To
The Constitution of pu	CONDITION. TOPOF PUMP CHAMBER BURIED 24" WI 18" RISER
P.C G-000	CONDITION OF THE POPULATION OF

A.A. TAVIZLAG

## SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

### SYSTEM INFORMATION (continued)

Property Address:	374 MIDALEST. AMHERST	
Owner:	ESTATE OF DORIS MANNHEIM	
Date of Inspection:	10-14-99	
	SYSTEM (SAS):/	
(locate on site plan,	if possible; excavation not required, location may be approximated by non-intrusive methods)	
If not located, expla	in:	
Type:		
	its, number:	
	hambers, number:	
	alleries, number:	
leaching to	renches, number, length:	*
	esspool, number:	
Alternative	e system:	
	Name of Technology:	
Comments:		
(note condition of s	oil, signs of hydraulic failure, level of ponding, damp soil, condition of vegetation, etc.)	
CESSPOOLS: N/		
(locate on site plan)		
the same of the plant		
Number and configu	ration:	
	o inlet invert:	
	"	
	:	
	pool:	9
	ction:	
Indication of ground	water:	
	sspool must be pumped as part of inspection)	
Comments:		
(note condition of so	oil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.)	
1/1	,	
PRIVY: NA		
(locate on site plan)	*	
Materials of constru	A POSTAL	
Depth of solids:	-	
Comments:		
(note condition of so	oil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.)	,

MY STEEL MEDIA

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

Property Address: 374 MIDDLE ST. AMHERST

Owner:

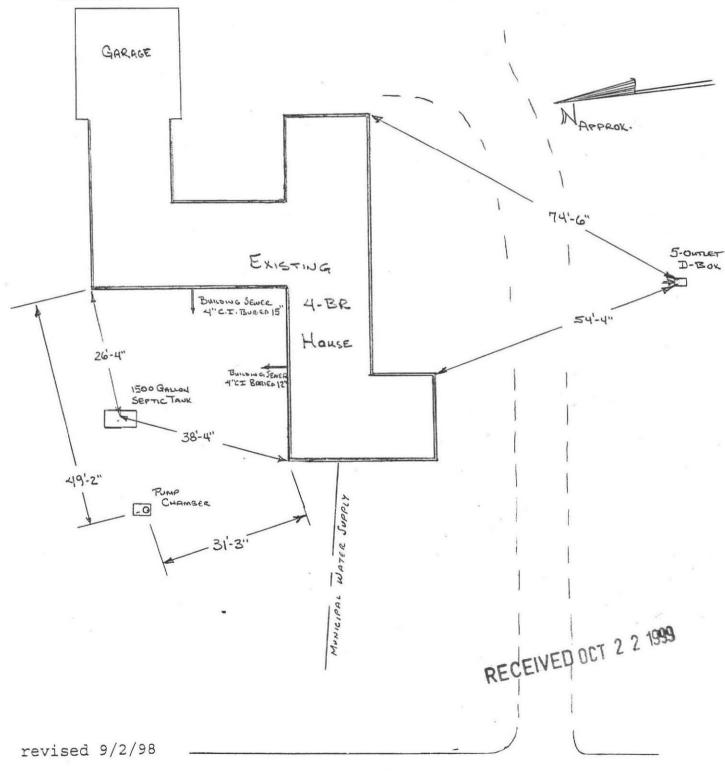
ESTATE OF DORIS MANNHEIM

Date of Inspection:

10-14-99

### SKETCH OF SEWAGE DISPOSAL SYSTEM:

include ties to at least two permanent reference landmarks or benchmarks locate all wells within 100' (Locatè where public water supply comes into house)



MIDDLE STREET

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### SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

## SYSTEM INFORMATION (continued)

Property Address: 374 MIDDLE ST. AMHERST

Owner: Date of	Inspection:	ESTATE OF 10-14-99	DORIS M.	ANNHEIN	Ч						
NRCS	Report na	ne									
	Soil Type_										
	Typical de	pth to groundwa	iter								
USGS	Data web	site visited	v								
0303	Observation	n Wells checke	d								
	Groundwa	ter depth: Shall	ow	Moderat	te		Deep				• •
SITE EX	CAM	Slope							*		
		Surface water									
		Check Cellar									
		Shallow wells									
Estimat	ed Depth to	Groundwater _	Feet Inc	LUDINGT	テル エ	STALL	ED DURIN	G 199	14 REPAIR		
Please	indicate all t	he methods used	d to determine Hi	gh Groundw	ater Eleva	tion:					
	btained fron	n Design Plans o	n record								
_/ 0	bserved Sit	e (Abutting prop	erty, observation	hole, basem	ent sump	etc.)					
r	Determined f	rom local conditi	ons								
(	Checked with	local Board of	nealth								
	Checked FEN	IA Maps									
	Checked pun	nping records									
	Checked loca	al excavators, ins	stallers								
	Jsed USGS	Data									
Descri	be how you	established the	High Groundwate	er Elevation.	(Must be	complete	ed)				
-	REJIEN	ED 1994	Dellen	PLAN.	SITE	OBS	ERVATIO	NS	CONFIRM	5' 7	DEPTH
-	To GO	rawquuos	·EC.								
			TAX STATE OF THE PARTY OF THE P								

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## THE COMMONWEALTH OF MASSACHUSETTS

## BOARD OF HEALTH

TOWN OF AMHERIT

A DESCRIPTION OF THE PARTY OF T

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АµµІ	ication for Di		Morks An		tinn 41	31*41** <del>*</del> †
Application is her System at:	cby made for a Pern	nit to Constru	ict ( ) or Rej	oair (X)	an Individ	ual Sewage Disnosal
374 11/1	DUT IT AMERICA	E T				
DURIS MI	Location - Address		274		or Lot No.	
	Location - Address VN/MH ( //-1 Owner	••••••	3/4 1/102	11. 51.	A1-11- 1151 Address	111 01001
Type of Building	Installer		***************************************		Address	
Other — Type of	f Bedrooms	No. of	persons	S	Size Lot	Sq. feet arbage Grinder ((A)) ) — Cafeteria ( )
Septic Tank — Liquid Disposal Trench LCNo. Scepage Pit No. Other Distribution box Percolation Test Result Test Pit No. 1	capacity LS 22 gallons  i Width  Diameter  (×) Dosi  s Performed by  A minutes per incl  minutes per incl	Length To Depth ng tank (x) Depth of	Test Pit. 22	#', Di Di Tot: To Deptl	ameter	Depth 6.6 rera. 100 sq. ft.  water 4.2 vertex 40'
Description of Soil IP!					7	E1635.d
Application Approved B Application Disapproved	grees to install the al E 5 of the State Envi I a Certificate of Com Signed y Con Signed	foredescribed ronmental C plince has be fong	Individual Sewa	ge Disposersigned for	//4 sal System i	7 8/2
Permit No	14-22	2 <sup>2</sup>	lssue	ed	Dute	Date
	BC	ARDOF	F MASSACHUSE	пѕ	X A	undt St
0	TOWN OF	iento of (	Tompliance	***************************************	***********	
TILISAS TO CARTI	That the Individual	ual Sewage I)	isposal System c	Onstructed		
has been installed in acco the application for Dispos THE ISSUANCE OF SYSTEM WILL FUNCTIO	THIS CERTIFICATE	n Permit No. SHALL NO	74-2 T BE CONSTRU	Environ LED AS A	mental Cod dated	e as described in
DATE	- www.rieroki.					
			nspector	***************************************		900
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	THE COMMON	NWEALTH O	F MASSACHUSE	20 STE	16-	
	BOA	ARD OF	HEALTHIN	EDO		
10 94-22	/ OWN OF	Hink	F MASSACHUSE HEALTH		***	TEE (60 00
	_		11-		1	EE (450

Disposal Works Construction Permit

Permission is hereby granted O.R.I. MANNETE IN
to Construct ( ) or Repair ( ) in Individual Sewage Disposal System
at No. 37

as shown on the application for Disposal Works Construction Period No.

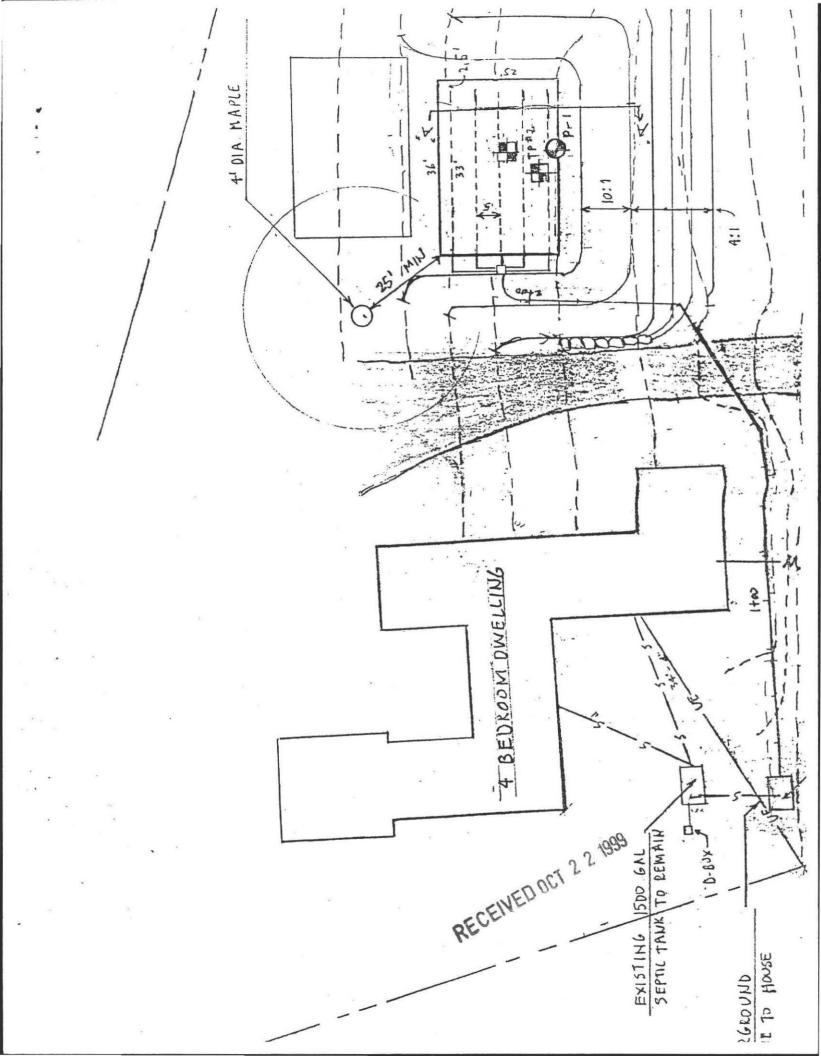
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