1045 Bay Rd

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

TRUDY COXE
Secretary

ARGEO PAUL CELLUCCI
Governor

DAVID B. STRUHS
Commissioner

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART A
CERTIFICATION

Property Address: 1045 BAY ROAD
AMHERST, MA.

Name of Owner T. MATUSZKO
Address of Owner:

Date of Inspection: MAY 1, 1999
Name of Inspector: (Please Print) Raymond Mieczkowski
I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000)
Company Name: SYSTEMS
Mailing Address: P.O. BOX 684 HADLEY, MA 01035
Telephone Number: 413-549-6013

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

X Passes
___ Conditionally Passes
___ Needs Further Evaluation By the Local Approving Authority
___ Fails

Inspector's Signature: _____ **Date:** MAY 23, 1999

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

revised 9/2/98

Printed on Recycled Paper

Rec 5-26-99

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

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

INSPECTION SUMMARY: Check *A, B, C, or D*:

A. SYSTEM PASSES:

XXX I have not found any information which indicates that any of the failure conditions described in 310 CMR 15.303 exist. Any failure criteria not evaluated are indicated below.

COMMENTS: _____

B. SYSTEM CONDITIONALLY PASSES:

_____ One or more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon completion 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 tank 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)

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

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

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

1) SYSTEM WILL PASS UNLESS BOARD OF HEALTH DETERMINES IN ACCORDANCE WITH 310 CMR 15.303 (1)(b) THAT THE SYSTEM IS NOT FUNCTIONING IN A MANNER WHICH WILL PROTECT THE PUBLIC HEALTH AND SAFETY AND THE ENVIRONMENT:

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

2) SYSTEM WILL FAIL UNLESS THE BOARD OF HEALTH (AND PUBLIC WATER SUPPLIER, IF 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).

3) OTHER

__ _____

revised 9/2/98

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

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

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	
__	X	Backup of sewage into facility or system component due to an overloaded or clogged SAS or cesspool.
__	X	Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool.
__	X	Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool.
__	X	Liquid depth in cesspool is less than 6" below invert or available volume is less than 1/2 day flow.
__	X	Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped ___.
__	X	Any portion of the Soil Absorption System, cesspool or privy is below the high groundwater elevation.
__	X	Any portion of a cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply.
__	X	Any portion of a cesspool or privy is within a Zone I of a public well.
__	X	Any portion of a cesspool or privy is within 50 feet of a private water supply well.
__	X	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:

N/A 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 system is within 200 feet of a tributary to a surface drinking water supply
__	__	the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area - IWPA) or a mapped Zone II of a public water supply well)

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

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART B
CHECKLIST

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

Check if the following have been done: You must indicate either "Yes" or "No" as to each of the following:

Yes	No	
X		Pumping information was provided by the owner, occupant, or Board of Health.
X		None of the system components have been pumped for at least two weeks and the system has been receiving normal flow rates during that period. Large volumes of water have not been introduced into the system recently or as part of this inspection.
X		As built plans have been obtained and examined. Note if they are not available with N/A.
X		The facility or dwelling was inspected for signs of sewage back-up.
X		The system does not receive non-sanitary or industrial waste flow.
X		The site was inspected for signs of breakout.
X		All system components, excluding the Soil Absorption System, have been located on the site.
X		The septic tank manholes were uncovered, opened, and the interior of the septic tank was inspected for condition of baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge, depth of scum.
		The size and location of the Soil Absorption System on the site has been determined based on:
X		Existing information. For example, Plan at B.O.H.
X		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)]
X		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
SYSTEM INFORMATION

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

FLOW CONDITIONS

RESIDENTIAL:
Design flow: 440 g.p.d./bedroom.
Number of bedrooms (design): 4 Number of bedrooms (actual): 4
Total DESIGN flow _____
Number of current residents: 2
Garbage grinder (yes or no): YES
Laundry (separate system) (yes or no): NO ; If yes, separate inspection required
Laundry system inspected (yes or no)
Seasonal use (yes or no): NO
Water meter readings, if available (last two year's usage (gpd): ON TOWN WATER
Sump Pump (yes or no): NO
Last date of occupancy: Currently Occupied

COMMERCIAL/INDUSTRIAL:
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:

_____

System pumped as part of inspection: (yes or no) yes – was recommended
If yes, volume pumped: _____ gallons
Reason for pumping: _____

TYPE OF SYSTEM
XXXX 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)
_____ I/A Technology etc. Attach copy of up to date operation and maintenance contract
_____ Tight Tank _____ Copy of DEP Approval

Other _____

APPROXIMATE AGE of all components, date installed (if known) and source of information: INSTALLED 1986 +/- FROM RECORDS

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: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

BUILDING SEWER:
(Locate on site plan)

Depth below grade:____
Material of construction: __ cast iron __ 40 PVC __ other (explain)

Distance from private water supply well or suction line _____
Diameter _____
Comments: (condition of joints, venting, evidence of leakage, etc.)

SEPTIC TANK: X
(locate on site plan)

Depth below grade: 10"
Material of construction: X concrete __metal __Fiberglass __Polyethylene __other(explain)

If tank is metal, list age ____ Is age confirmed by Certificate of Compliance ____ (Yes/No)

Dimensions: 1500 GALLON SEPTIC TANK
Sludge depth: 3
Distance from top of sludge to bottom of outlet tee or baffle: 29"
Scum thickness: 2"
Distance from top of scum to top of outlet tee or baffle: 6"
Distance from bottom of scum to bottom of outlet tee or baffle: 13"
How dimensions were determined: FIELD MEASURED

Tank is in excellent structural condition and everything appears to be functioning correctly

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.) Liquid depth even with 4" outlet - no signs of hydraulic failure - no sign of back - up

GREASE TRAP: N/A
(locate on site plan)

Depth below grade:____
Material of construction: __concrete __metal __Fiberglass __Polyethylene __other(explain)

Dimensions:_____
Scum thickness:_____
Distance from top of scum to top of outlet tee or baffle:_____
Distance from bottom of scum to bottom of outlet tee or baffle:_____
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 integrity, evidence of leakage, etc.)

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

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

TIGHT OR HOLDING TANK: N/A (Tank must be pumped prior to, or at time of, inspection)
(locate on site plan)

Depth below grade:____
Material of construction: __concrete __metal __Fiberglass __Polyethylene __other(explain)

Dimensions:_____
Capacity:_____ gallons
Design flow:_____ gallons/day
Alarm present_____
Alarm level:_____ Alarm in working order: Yes ___ No__
Date of previous pumping: _____
Comments:
(condition of inlet tee, condition of alarm and float switches, etc.)

DISTRIBUTION BOX: XXX
(locate on site plan)

Depth of liquid level above outlet invert: 0"

Comments:
(note if level and distribution is equal, evidence of solids carryover, evidence of leakage into or out of box, etc.)
DISTRIBUTION BOX IS CRACKED AND FALLING APART - RECOMMEND REPLACEMENT

PUMP CHAMBER: N/A
(locate on site plan)

Pumps in working order: (Yes or No)____
Alarms in working order (Yes or No)____
Comments:
(note condition of pump chamber, condition of pumps and appurtenances, etc.)

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

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

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

If not located, explain:

Type:
leaching pits, number: 2 EACH - appear to be 500 gallon leach tanks
leaching chambers, number:___
leaching galleries, number:___
leaching trenches, number, length:___
leaching fields, number, dimensions:___
overflow cesspool, number:___
Alternative system: ___
Name of Technology: ___

Comments:
(note condition of soil, signs of hydraulic failure, level of ponding, damp soil, condition of vegetation, etc.)
NO SPONGY SOILS - NO SURFACE BREAKOUT - NO CHANGES IN SURFACE VEGETATION

CESSPOOLS: N/A
(locate on site plan)

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

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

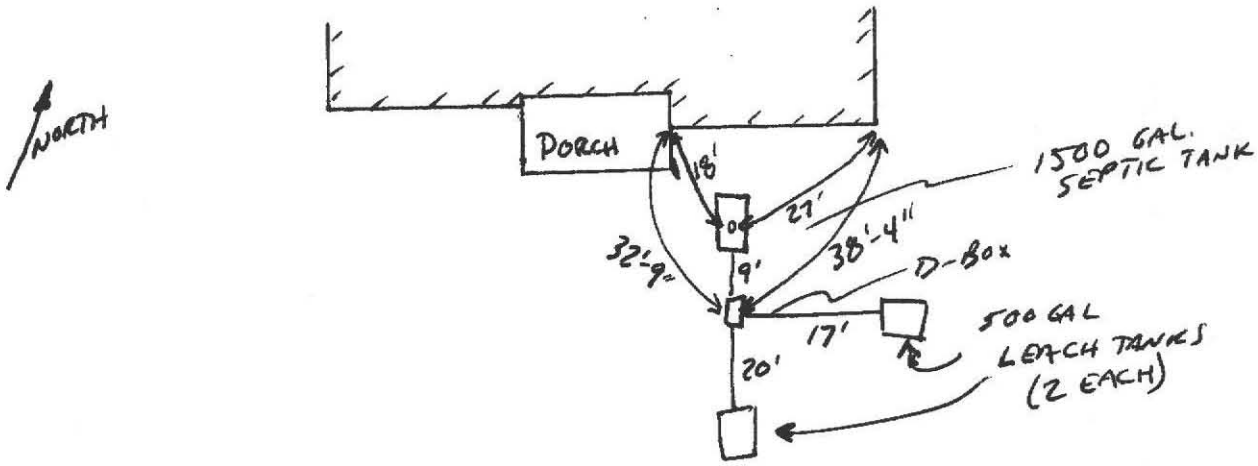
PRIVY: N/A
(locate on site plan)

Materials of construction:___ Dimensions:___
Depth of solids:___
Comments:
(note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.)

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

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

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)



revised 9/2/98

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

Property Address: 1045 BAY ROAD
Owner: T. MATUSZKO
Date of Inspection: MAY 1, 1999

NRCS Report name_____
Soil Type_____
Typical depth to groundwater_____

USGS Date website visited
Observation Wells checked
Groundwater depth: Shallow_____ Moderate_____ Deep_____

SITE EXAM Slope 0%
Surface water none
Check Cellar
Shallow wells

Estimated Depth to Groundwater 10 + Feet

Please indicate all the methods used to determine High Groundwater Elevation:

X Obtained from Design Plans on record

X Observed Site (Abutting property, observation hole, basement sump etc.)

X Determined from local conditions

____ Checked with local Board of health

____ Checked FEMA Maps

____ Checked pumping records

____ Checked local excavators, installers

____ Used USGS Data

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

SURROUNDING TOPOGRAPHY
FROM ORIGINAL DESIGN PLANS

No. 86-53

Fee $90

CK # 514

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS — FREDERICK A. FILIOS, R.S.

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

1045 Bay Road
Location - Address or Lot No.

Fred Steinbeck (Ted Matuszko) 218 Harkness Road
Owner Address

B+M Const.
Installer

Lawrence Plain Rd Hadley
Address

Type of Building Size Lot 87,120 Sq. feet

Dwelling — No. of Bedrooms 4 Expansion Attic ( ) Garbage Grinder (✓)

Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 82.5 gallons per person per day. Total daily flow 660 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10.5' Width 5' Diameter ..... Depth 5'

~~Disposal Trench No.~~ ..... Width 7 Total Length 16.5' Total leaching area 235 sq. ft. Sides

Seepage Pit No. 1 Diameter ..... Depth below inlet 5' Total leaching area 115.5 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 4/25/79

Test Pit No. 1 2 minutes per inch Depth of Test Pit 10' Depth to ground water NONE

Test Pit No. 2 ..... minutes per inch Depth of Test Pit 9' Depth to ground water NONE

Description of Soil Enclosed

Nature of Repairs or Alterations — Answer when applicable .....

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the Board of health.

X Signed Fred W. Steinbeck 8/7/86
Date

Application Approved By Charles E. Dorsch Jr. 8/7/86
Date

Application Disapproved *for the following reasons:* .....

Date

Permit No. 86-53 Issued 8-7-86
Date

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF .....

Certificate of Compliance

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

at .....

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. ..... dated .....

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

DATE ..... Inspector .....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 86-53 Town of Amherst Fee $90

Disposal Works Construction Permit

Permission is hereby granted Ted Matuszko. B+M Const

to Construct (X) or Repair ( ) an Individual Sewage Disposal System

at No. Bay Rd ~~Watson~~
Street

as shown on the application for Disposal Works Construction Permit No. 86-53 Dated 8/7/86

Charles E. Dorsch Jr.
Board of Health

DATE August 7, 1986

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS