BOARD OF HEALTH, AMHERST, MASSACHUSETTS

APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 71-21 Date Aug 31, 1971 Fee 3.00 Date Rec'd. Aug 30 1971 By CEP.

Application is hereby made for a permit to Construct (X) or Repair ( ) an Individual Sewage Disposal System at:
Location—Address Notting Manor Chapel Rd. or Lot No. _____
Owner Mr Fred Smead Address _____
Contractor Saunders & Roberge Address Bay Rd. Amherst
Type of Building 1 Family Residence Dimensions _____ Size Lot _____
Dwelling—No. of Bedrooms 3 Expansion Attic (N) Garbage Grinder (Y)
Other _____ No. of persons _____ Showers ( )
Other fixtures _____
Town Water? _____ Type of Well _____
Design Flow ~~330~~ 50 gallons per person per day. Total daily flow 375 gallons
Septic Tank—Liquid capacity 1000 gallons Dimensions: L _____ W _____ D _____
Disposal Trench—No. 1 Width 12 Total Length 17 Total leaching area 204 sq. ft.
Disposal Bed—No. _____ Diameter _____ Depth below inlet _____ Total leaching area _____ 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 Kendall G. Lund Date _____
Test Pit No. 1 < 2 minutes per inch Depth of Test Pit 6.0'
Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____
Description of Soil Sandy Gravel (GP) Depth to Ground Water > 8.0' (8 23 71)
Will *disposal area* be filled? No Cut down? No
(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 aforedescribed individual sewage disposal system in accordance with the provisions of Article XI of the Sanitary Code and regulations 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.

X Donald R. Roberge 8-31-71
Owner or builder date

Application Approved by CEP 8-31-71
date

Note: Bottom of trench must be at least 2.0' below natural ground surface and at least 1.0 feet above top of footing.

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 constructed 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. 71-21

Permission is hereby granted Amherst Roberge to construct (X) or repair ( ) an Individual Sewage Disposal System at Lot 15 Chapel Rd
as shown on the application for Disposal Works Construction Permit No. 71-21

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 Aug 31, 1971

CEP
Board of Health

#29

RECEIVED MAR 2 2 2000

BOH

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
One winter Street, Boston Ma 02108 (617) 292-5500

ARGEO PAUL CELLUCCI
GOVERNOR

TRUDY COXE
Secretary

DAVID B. STRUHS
COMMISSIONER

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART A
CERTIFICATION

Property Address: 29 CHAPEL RD
AMHERST , MA

Name of Owner HARTWRIGHT Kenneth Jamie 253-4129
Address of owner: SAME

Date of Inspection: 3/14/00
Name of Inspector: (Please Print) JOHN ALVES
I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000)
Company Name: CLEAN SEPTICS
Mailing Address: 540 CENTER ST., LUDLOW, MA
Telephone Number: 413-583-2138

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:

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

Inspector's Signature: John Alves Date 03/14/2000

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

DISPOSAL TO BE REMOVED
DISCHARGE FROM WATER SOFTNER CANNOT GO INTO TANK

3/31/00 - 1:45 PM
SPOKE TO MRS HARTWRIGHT
THEY ARE GOING TO WAIT
UNTIL TANK IS FILLED
UP - GET ANOTHER
INSPECTION

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

Property Address: 29 CHAPEL RD
AMHERST , MA

Owner: HARTWRIGHT
Date of Inspection: 03/14/2000

INSPECTION SUMMARY: Check A, B, C, or (D:)

A. SYSTEM PASSES:

___ 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:_____

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 tan 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 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 leveled 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: 29 CHAPEL RD
Owner: HARTWRIGHT
Date of Inspection: 3/14/2000

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

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

1) **SYSTEM WILL PASS UNLESS BOARD OF HEALTH DETERMINES 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 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

___ _____
_____
_____

SUBSURFACE SEWAGE DISPOSAL INSPECTION FORM
PART A
CERTIFICATION (continued)

Property Address: 29 CHAPEL RD
Owner: HARTWRIGHT
Date of Inspection: 03/14/2000

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 clogged SAS or cesspool.
—	✓	Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool. D-BOX
✓	—	Static liquid level in the distribution box above outlet invert due to an overloaded of 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" of "No" to each of the following:

— The system serves a facility with a design flow of 10,000 gpd or grater (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 Are - 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: 29 CHAPEL RD
Owner: HARTWRIGHTI
Date of Inspection: 03/14/2000

Check if the following 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.
✓		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.
N/A		As built plans have been obtained and examined. Note if they are not available with N/A.
✓		The facility or dwelling was inspected for signs of sewage back-up.
✓		The system does not receive non-sanitary or industrial waste flow.
✓		The site was inspected for signs of breakout.
✓		All system components, excluding the Soil Absorption System, have been located on the site.
✓		The septic tank manholes were uncovered, opened, and the interior of the septic tank was inspected for condition of baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge, depth of scum.
		The size and location of the Soil Absorption System on the site has been determined based on:
✓		Existing information. 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)]
✓		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 FOR
PART C
SYSTEM INFORMATION

Property Address: 29 CHAPEL RD
Owner: HARTWRIGHT
Date of Inspection: 03/14/2000

FLOW CONDITIONS

RESIDENTIAL:
Design flow: 660 g.p.d./bedroom.
Number of bedrooms (design): 4 Number of bedrooms (actual): 4
Total DESIGN flow 660
Number of current residents: 5
Garbage grinder (yes or no): YES
Laundry (separate system) (yes or no): NO ; If yes, separate inspection required-
Laundry system inspected (yes or no) NO
Seasonal use (yes or no): NO
Water meter readings, if available (last two year's usage (gpd): N/A
Sump Pump (yes or no): NO
Last date of occupancy: PRESENT

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:
NOV 1999
System pumped as part of inspection: (yes or no) NO
If yes, volume pumped:_____gallons
Reason for pumping _____

TYPE OF SYSTEM
✓ **Septic tank /distribution box/soil absorption system**
_____ Single cesspool
_____ Overflow cesspool
_____ Privy
_____ Shared system (yes or no)
_____ 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: 1971 OWNER D-BOX REPLACED 1996

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: 29 CHAPEL RD
Ownerer: HARTWRIGHT
Date of Inspection: 3/14/2000

BUILDING SEWER:
(Locate on site plan)

Depth below grade: 2'2"
Material of construction: cast iron XX 40 PVC _____ other (explain)
_____
Distance from private water supply well or suction line- 30'
Diameter 4"
Comments: (condition of joints, venting, evidence of leakage, etc.)
JOINTS AND VENT OK, NO LEAKS
_____

SEPTIC TANK: XX
Locate on site plan)

Depth below grade: 1'10"
Material of construction : XX concrete _____ metal ____ Fiberglass _____ Polyethylene _____ Other(explain)
_____

If tank is metal, list age _____ is age confirmed by Certificate of Compliance _____ (Yes or No)
Dimensions: 10' L, 5 W, 5' D 1500 Kellogg
Sludge depth: 2'
Distance from top of sludge to bottom of outlet tee or baffle: 24"
Scum thickness: 7"
Distance from top of scum to top of outlet tee or baffle: 5"
Distance from bottom of scum to bottom of outlet tee or baffle: 12"
How dimensions were determined: PROBE & MEASURER

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) PUMP , BAFFLES OK, LEVEL OK, TANK OK, NO LEAKS
_____
_____
_____

GREASE TRAP: _____
(LOCATE ON SITE PLAN)

Depth below grade: _____
Material of construction: _____ concrete _____ metal _____ Fiberglass _____ Polyethylene ____ other(explain)
_____
Dimensions: _____
Scum thickness: _____
Distance from tip 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: 29 CHAPEL RD
Owner: HARTWRIGHT
Date of Inspection: 3/14/2000

TIGHT OR HOLDING TANK:___ (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:_____
(locate on site plan)

Depth of liquid level above outlet invert **___5"___**

Comments:
(note if level and distribution is equal, evidence of solids carryover, evidence of leakage into or out of box, etc.)_____
LEVEL, NO DISTRIBUTION, SOME CARRY OVER, NO LEAKS
_____

PUMP CHAMBER: _____
(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: 29 CHAPEL RD
OWNER: HARTWRIGHT
Date of Inspection: 3/14/2000

SOIL ABSORPTION SYSTEM (SAS): _____
(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:_____
Leaching chambers, number:_____
Leaching galleries, number:_____
Leaching trenches, number, length: _____
Leaching fields, number, dimensions: 20' X 25'
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.)
SOILGRAVELY, HYDRAULIC FAILURE , SOIL DRY , VEGETATION OK
_____
_____
_____
_____

CESSPOOLS:_____
(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.)
_____
_____
_____

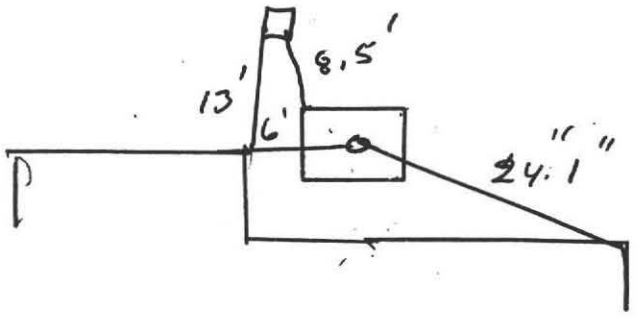
PRIVY:_____
(locate on site plan)

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:
Owner:
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)



29 CHAPEL RD.

To all parties concerned with this report. This inspection carries no warrantees or guarantees. The condition's of this system may change due to maintenance, elements of the weather, number of occupants ect. ect. and respect for the system. These systems do not last forever. This is a limited inspection only, intended to provide information concerning the physical condition observed at the time of the visual inspection. Again this is not a general warrantee or guarantee.

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

Property Address: 29 CHAPEL RD
Owner: HARTWRIGHT
Date of Inspection: 3/14/2000

NRCS Report name _____
Soil Type _____
Typical depth to groundwater _____

USGS Date website visited
Observation Wells checked
Groundwater depth: Shallow_____Moderate_____Deep_____

SITE EXAM Slope
Surface water
Check Cellar
Shallow wells

Estimated Depth to Groundwater_ __Feet
Please indicate all the methods used to determine High Groundwater Elevation:

____ _ Obtained from Design Plans on record

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

_____ 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)

TO BE DETERMINED AT PERK

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

TITLE 5
OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM FORM
PART A
CERTIFICATION

Property Address: 29 Chapel Road
Amherst, MA
Owner's Name: Ken Hartwright
Owner's Address: 5 Pocumtuck Drive
S. Deerfield, MA 01373
Date of Inspection: 9/19/01

Name of Inspector: (please print) Jonathan Begg
Company Name: Howard Environmental Services
Mailing Address: 750 North Pleasant Street
Amherst, MA 01002
Telephone Number: 413-256-8008

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 the inspection. The inspection was performed based on my training and experience in the proper function and maintenance of on site sewage disposal systems. I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000). The system:

- [✓] Passes
- [ ] Conditionally Passes
- [ ] Needs Further Evaluation by the Local Approving Authority
- [ ] Fails

Inspector's Signature: JBegg Date: 9/19/01

The system inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) within 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 DEP. The original should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.

Notes and Comments

****This report only describes conditions at the time of inspection and under the conditions of use at that time. This inspection does not address how the system will perform in the future under the same or different conditions of use.

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART A
CERTIFICATION (continued)

Property Address: 29 Chapel Road Amherst, MA

Owner: Hartwright

Date of Inspection: 9/19/01

Inspection Summary: Check A,B,C,D or E / ALWAYS complete all of Section D

A. System Passes:

✓ I have not found any information which indicates that any of the failure criteria described in 310 CMR 15.303 or in 310 CMR 15.304 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.

Answer yes, no or not determined (Y,N,ND) in the ____ for the following statements. If "not determined" please explain.

_____ The septic tank is metal and over 20 years old* or the septic tank (whether metal or not) is structurally unsound, exhibits substantial infiltration or exfiltration or tank failure is imminent. System will pass inspection if the existing tank is replaced with a complying septic tank as approved by the Board of Health.
*A metal septic tank will pass inspection if it is structurally sound, not leaking and if a Certificate of Compliance indicating that the tank is less than 20 years old is available.

ND explain:

_____ Observation of sewage backup or break out or high static water level in the distribution box due to broken or obstructed pipe(s) or due to a broken, settled or uneven distribution box. System will pass inspection if (with approval of Board of Health):

____ broken pipe(s) are replaced
____ obstruction is removed
____ distribution box is leveled or replaced

ND explain:

_____ The system required pumping more than 4 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

ND explain:

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART A
CERTIFICATION (continued)

Property Address: 29 Chapel Road Amherst

Owner: Hartwright

Date of Inspection: 9/19/01

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 public health, safety or 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 public health, safety and the environment:

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

2. System will fail unless the Board of Health (and Public Water Supplier, if any) determines that the system is functioning in a manner that protects the public health, safety and 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 SAS and the SAS is within a Zone 1 of a public water supply.

___ The system has a septic tank and SAS and the SAS is within 50 feet of a private water supply well.

___ The system has a septic tank and SAS and the SAS is less than 100 feet but 50 feet or more from a private water supply well**. Method used to determine distance _____

**This system passes if the well water analysis, performed at a DEP certified laboratory, 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, provided that no other failure criteria are triggered. A copy of the analysis must be attached to this form.

3. Other:

_____
_____
_____

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART A
CERTIFICATION (continued)

Property Address: 29 Chapel Rd. Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

D. System Failure Criteria applicable to all systems:
You must indicate "yes" or "no" to each of the following for all inspections:

Yes	No	
___	✓	Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool
___	✓	Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool
___	✓	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 ½ 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 SAS, cesspool or privy is below high ground water elevation.
___	✓	Any portion of 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 1 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. **[This system passes if the well water analysis, performed at a DEP certified laboratory, 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, provided that no other failure criteria are triggered. A copy of the analysis must be attached to this form.]**

NO (Yes/No) **The system fails.** I have determined that one or more of the above failure criteria exist as described in 310 CMR 15.303, therefore the system fails. The system owner should contact the Board of Health to determine what will be necessary to correct the failure.

E. Large Systems:
To be considered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd.
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)

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

If you have answered "yes" to any question in Section E the system is considered a significant threat, or answered "yes" in Section D above the large system has failed. The owner or operator of any large system considered a significant threat under Section E or failed under Section D shall upgrade the system in accordance with 310 CMR 15.304. The system owner should contact the appropriate regional office of the Department.

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART B
CHECKLIST

Property Address: 29 Chapel Rd. Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

Check if the following have been done. You **must** indicate "yes" or "no" as to each of the following:

Yes / No

✓ ___ Pumping information was provided by the owner, occupant, or Board of Health

___ ✓ Were any of the system components pumped out in the previous two weeks ?

✓ ___ Has the system received normal flows in the previous two week period ?

___ ✓ Have large volumes of water been introduced to the system recently or as part of this inspection ?

N/A Were as built plans of the system obtained and examined? (If they were not available note as N/A)

✓ ___ Was the facility or dwelling inspected for signs of sewage back up ?

✓ ___ Was the site inspected for signs of break out ?

✓ ___ Were all system components, excluding the SAS, located on site ?

✓ ___ Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of the baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge and depth of scum ?

✓ ___ Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems ?

The **size and location of the Soil Absorption System (SAS)** on the site has been determined based on:

Yes no

___ ✓ Existing information. For example, a plan at the Board of Health.

✓ ___ Determined in the field (if any of the failure criteria related to Part C is at issue approximation of distance is unacceptable) [310 CMR 15.302(3)(b)]

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION

Property Address: 29 Chapel Rd. Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

FLOW CONDITIONS

RESIDENTIAL
Number of bedrooms (design): — Number of bedrooms (actual): 4
DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): 440
Number of current residents: 5
Does residence have a garbage grinder (yes or no): yes
Is laundry on a separate sewage system (yes or no): NO [if yes separate inspection required]
Laundry system inspected (yes or no): NO
Seasonal use: (yes or no): NO
Water meter readings, if available (last 2 years usage (gpd)): ≈ 250 gpd
Sump pump (yes or no): NO
Last date of occupancy: 9/15/01

COMMERCIAL/INDUSTRIAL
Type of establishment: _____
Design flow (based on 310 CMR 15.203): _____ gpd
Basis of design flow (seats/persons/sqft,etc.): _____
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/use: _____

OTHER (describe): _____

GENERAL INFORMATION

Pumping Records
Source of information: November 1999; owner
Was system pumped as part of the inspection (yes or no): NO
If yes, volume pumped: _____ gallons – How was quantity pumped determined? _____
Reason for pumping: _____

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)
___ Innovative/Alternative technology. Attach a copy of the current operation and maintenance contract (to be obtained from system owner)
___ Tight tank ___ Attach a copy of the DEP approval

___ Other (describe): _____

Approximate age of all components, date installed (if known) and source of information:
1971 tank + leach – D-Box replaced 1996; owner

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

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address: 29 Chapel Road Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

BUILDING SEWER (locate on site plan)

Depth below grade: 26"
Materials of construction: ___cast iron X40 PVC ___other (explain): _____
Distance from private water supply well or suction line: 30
Comments (on condition of joints, venting, evidence of leakage, etc.):
All in good condition, no evidence of leakage.

SEPTIC TANK: ___ (locate on site plan)

Depth below grade: 22"
Material of construction: X concrete ___metal ___fiberglass ___polyethylene
___other(explain)_____
If tank is metal list age: ___ Is age confirmed by a Certificate of Compliance (yes or no): ___ (attach a copy of certificate)
Dimensions: 10' x 5' x 5'
Sludge depth: 2"
Distance from top of sludge to bottom of outlet tee or baffle: 24"
Scum thickness: 5"
Distance from top of scum to top of outlet tee or baffle: 7"
Distance from bottom of scum to bottom of outlet tee or baffle: 12"
How were dimensions determined: measured/estimate
Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):
Pump system, baffles O.K. Structural integrity O.K. liquid level @ outlet invert, no evidence of leakage

GREASE TRAP: ___(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 (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address: 29 Chapel Road Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

TIGHT or HOLDING TANK: ____ (tank must be pumped 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 (yes or no): _____
Alarm level: _____ Alarm in working order (yes or no): ____
Date of last pumping: _____
Comments (condition of alarm and float switches, etc.):
_____
_____

DISTRIBUTION BOX: ✓ (if present must be opened)(locate on site plan)

Depth of liquid level above outlet invert: 0"
Comments (note if box is level and distribution to outlets equal, any evidence of solids carryover, any evidence of leakage into or out of box, etc.):
D-Box level, distribution seems equal, no evidence of solids carryover, no evidence of leakage!

PUMP CHAMBER: ____ (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.):
_____
_____

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address: 29 Chapel Rd. Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

SOIL ABSORPTION SYSTEM (SAS): ✓ (locate on site plan, excavation not required)

If SAS not located explain why:

_____

_____

Type
____ leaching pits, number: ___
____ leaching chambers, number: ____
____ leaching galleries, number: ____
____ leaching trenches, number, length: _____
✓ leaching fields, number, dimensions: 1; ≈ 25' x 20'
____ overflow cesspool, number: ____
____ innovative/alternative system Type/name of technology: _____
Comments (note condition of soil, signs of hydraulic failure, level of ponding, damp soil, condition of vegetation, etc.): Soil dry, no signs of hydraulic failure, no ponding, vegetation normal

_____

CESSPOOLS: ____ (cesspool must be pumped as part of inspection)(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 (yes or no): ____
Comments (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.):

_____

_____

PRIVY: ____ (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.):

_____

_____

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

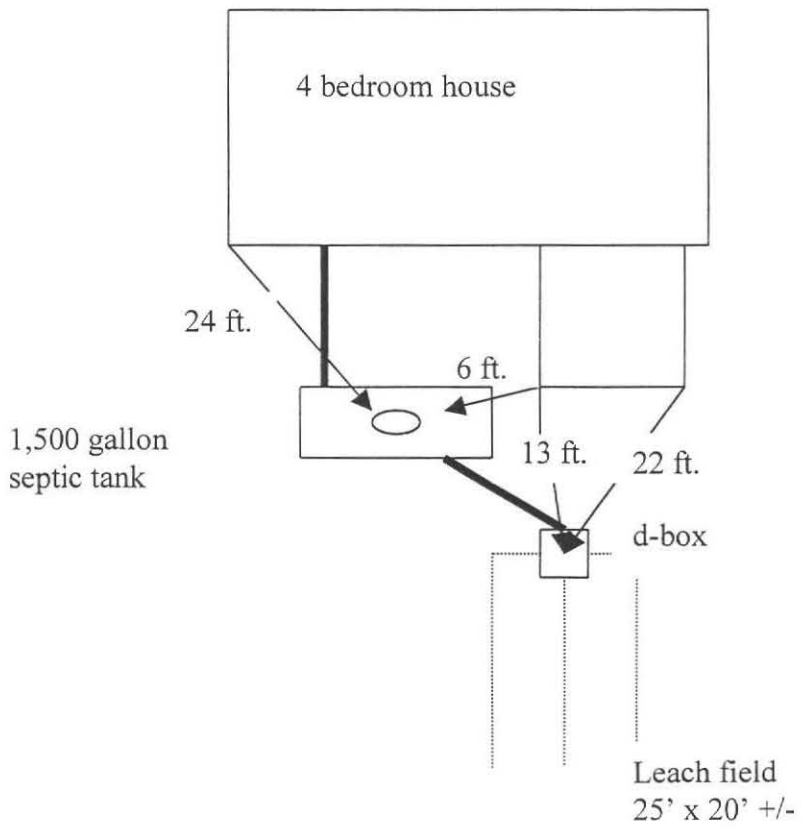
Property Address: 29 Chapel Rd. Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

SKETCH OF SEWAGE DISPOSAL SYSTEM
Provide a sketch of the sewage disposal system including ties to at least two permanent reference landmarks or benchmarks. Locate all wells within 100 feet. Locate where public water supply enters the building.

29 Chapel Road, Amherst

Not to scale

No wells within 100 ft., town water.



OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address: 29 Chapel Rd. Amherst
Owner: Hartwright
Date of Inspection: 9/19/01

SITE EXAM
Slope 10%
Surface water NO
Check cellar O.K.
Shallow wells NO

Estimated depth to ground water 4+ feet

Please indicate (check) all methods used to determine the high ground water elevation:

___ Obtained from system design plans on record - If checked, date of design plan reviewed: _____
V Observed site (abutting property/observation hole within 150 feet of SAS)
___ Checked with local Board of Health-explain: _____
___ Checked with local excavators, installers- (attach documentation)
___ Accessed USGS database-explain: _____

You **must** describe how you established the **high ground water elevation**:
During inspection a 4 foot deep hole was dug and no evidence of water was present. Also the Soil Survey book sets the ESHWT for these soils as 6 feet +.