456 SUNDERLAND





Important:

forms on the

computer, use

to move your

use the return

key.

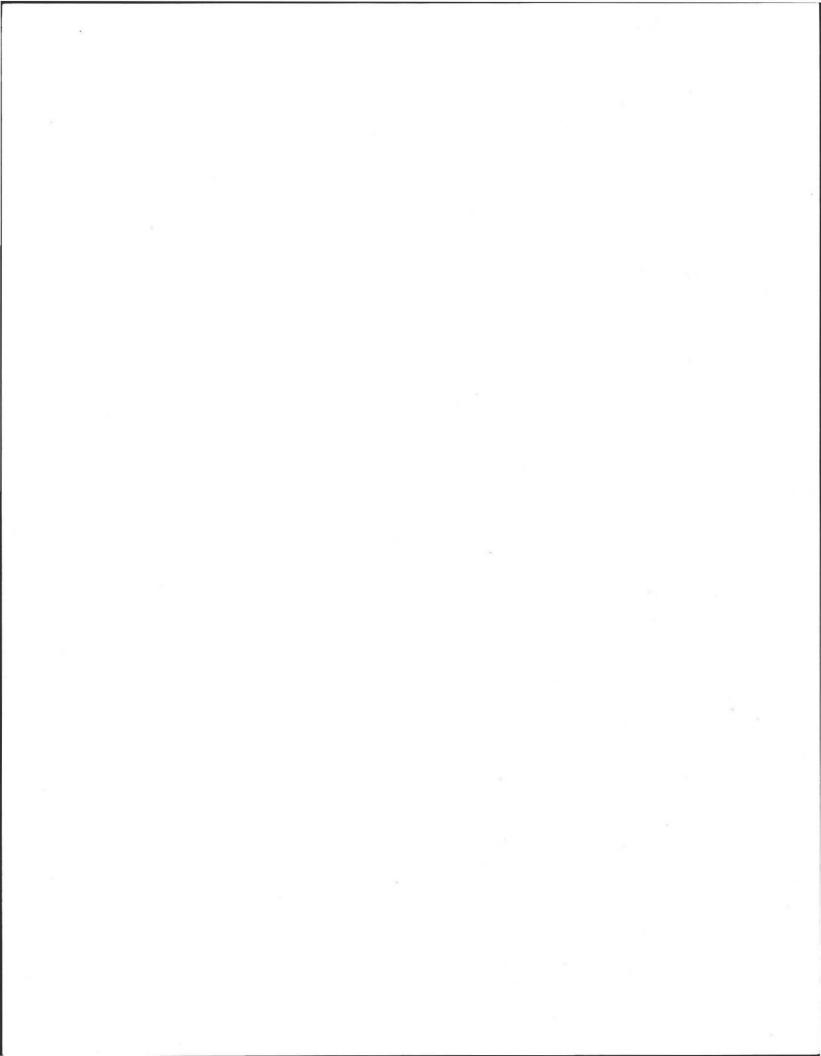
Commonwealth of Massachusetts City/Town of **Percolation Test** Form 12

Percolation test results must be submitted with the Soil Suitability Assessment for On-site Sewage Disposal. DEP has provided this form for use by local Boards of Health. Other forms may be used, but the information must be substantially the same as that provided here. Before using this form, check with the local Board of Health to determine the form they use.

A. Site Information

When filling out ZWINAKIS Owner Name only the tab key SUNDERLAND RCAD cursor - do not Street Address or Lot # MA 0002 AMHERST City/Town State Zip Code Contact Person (if different from Owner) Telephone Number **B. Test Results** 12 Time Date Time Date **Observation Hole #** Depth of Perc Start Pre-Soak End Pre-Soak Time at 12" Time at 9" Time at 6" Time (9"-6") 5 min Rate (Min./Inch) Test Passed: Test Passed: Test Failed: Test Failed: Test Performed By: # FRINCE Witnessed By: R. 1 FRINGLE 26 Comments: LOUSE FS E. SAND 76-132" A FSL BW LS C, FS 8-28" 2.5×5/4 2.5×5/2 400 lole" ure 28-86" Sound Sam t5form12.doc+ 06/03 Perc Test · Page 1 of 1 parent lacustine depth to bedrock 132"+

-270





Owner information is required for every page.

Commonwealth of Massachusetts **Title 5 Official Inspection Form**

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| 456 Sunderland Road, Amherst, | MA | | | 16 | |
|----------------------------------|-------------|--------------|----------|--------------------|--|
| Property Address | | P | | | |
| Karen Zwinakis: (Mail: 9 Cricket | Lane, Simst | oury Ct. 060 | 70) | | |
| Owner's Name | | • | | | |
| Amherst | | MA | 01002 | 12.22.2011 | |
| City/Town | 2 | State | Zip Code | Date of Inspection | |

Inspection results must be submitted on this form. Inspection forms may not be altered in any way. Please see completeness checklist at the end of the form

| | VV CA | y. Thease see completeness checkinst at the en | a of the form. | - | |
|--|-------|--|----------------|----|-----------|
| Important: When filling out forms on the | A. | General Information | | a. | DES TITLE |
| computer, use only the tab key | 1. | Inspector: | | Y | TEE |
| to move your | | Alan E Weiss, M.S, Hydrogeologist, RS # 933 | | | |
| cursor - do not use the return | | Name of Inspector | | | |
| key. | | Cold Spring Environmental Consultants Inc. | | | |
| | | Company Name | | | |
| rab | | 350 Old Enfield Road | | | |
| | | Company Address | | | |
| | | Belchertown | MA | | 01007 |
| rstum | | City/Town | State | | Zip Code |
| | | 413.323.5957 | # 738 | | |
| | | Telephone Number | License Number | | 2 |

B. Certification

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:



Conditionally Passes

🛛 Fails

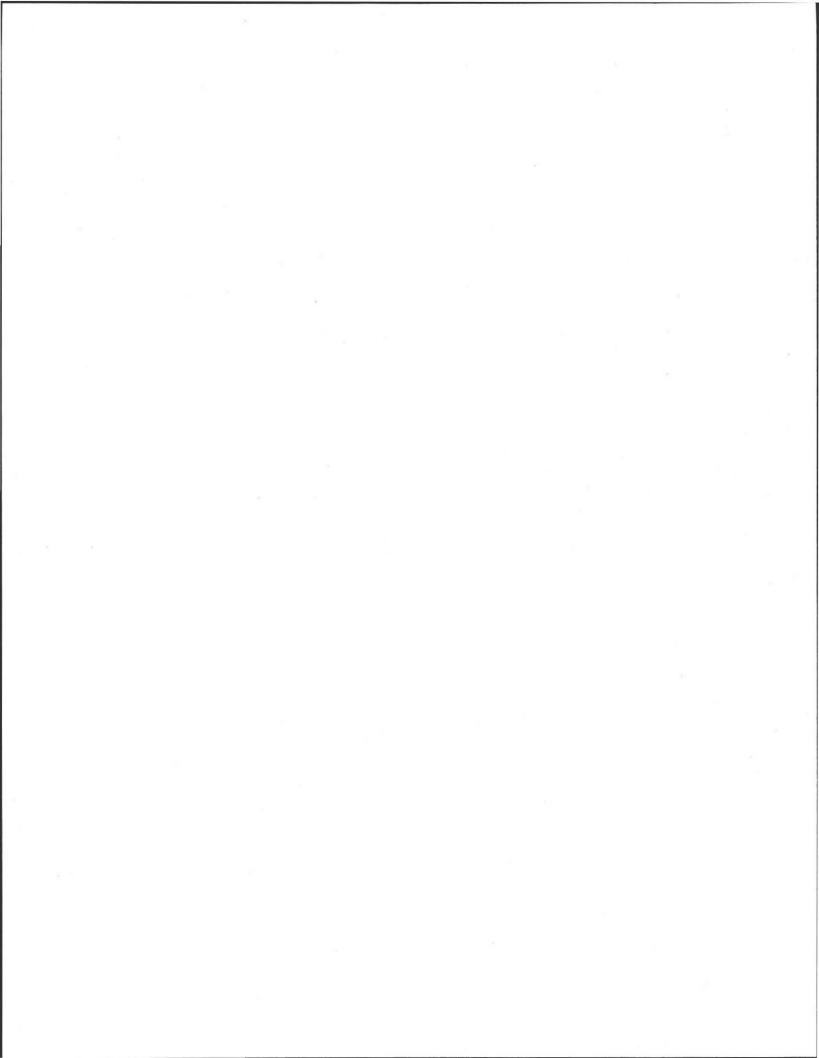
Needs Further Evaluation by the Local Approving Authority

12.22.2011 Date

Inspector's Signature

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.

****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.





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| AND | 456 Sunderland Road, Amherst, MA | | | | | |
|---|--|-------|----------|--------------------|--|--|
| Owner information is required for | Property Address | | | | | |
| | Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070) | | | | | |
| | Owner's Name | | | | | |
| | Amherst | MA | 01002 | 12.22.2011 | | |
| page. | City/Town | State | Zip Code | Date of Inspection | | |
| | The Carl Carland State | | | | | |

B. Certification (cont.)

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:

Property has original 1000 Gal S. tank and no D. Box with L. field of 50+ yrs, Tank had no baffles (ARC type) and had some corrosion. Leach area had ponding in stone. Needs perc test and new engineered system with laundry system also connected.

B) System Conditionally Passes:

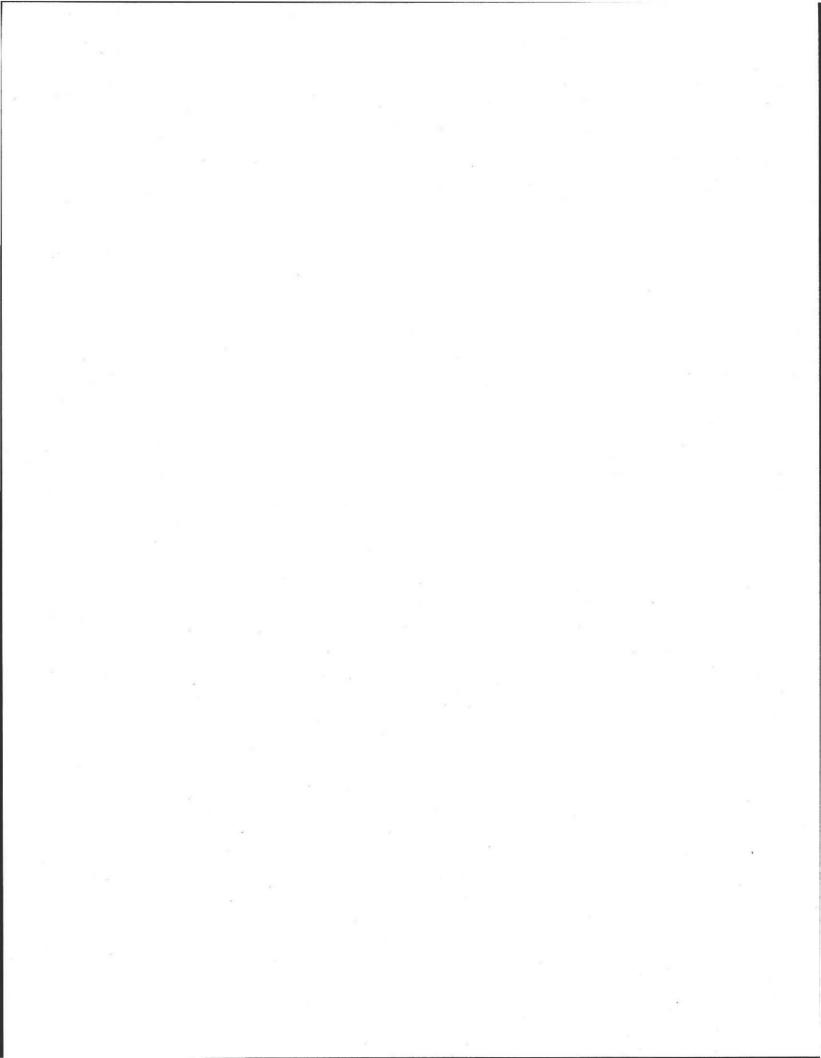
One or more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon completion of the replacement or repair, as approved by the Board of Health, will pass.

Check the box for "yes", "no" or "not determined" (Y, N, ND) 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.

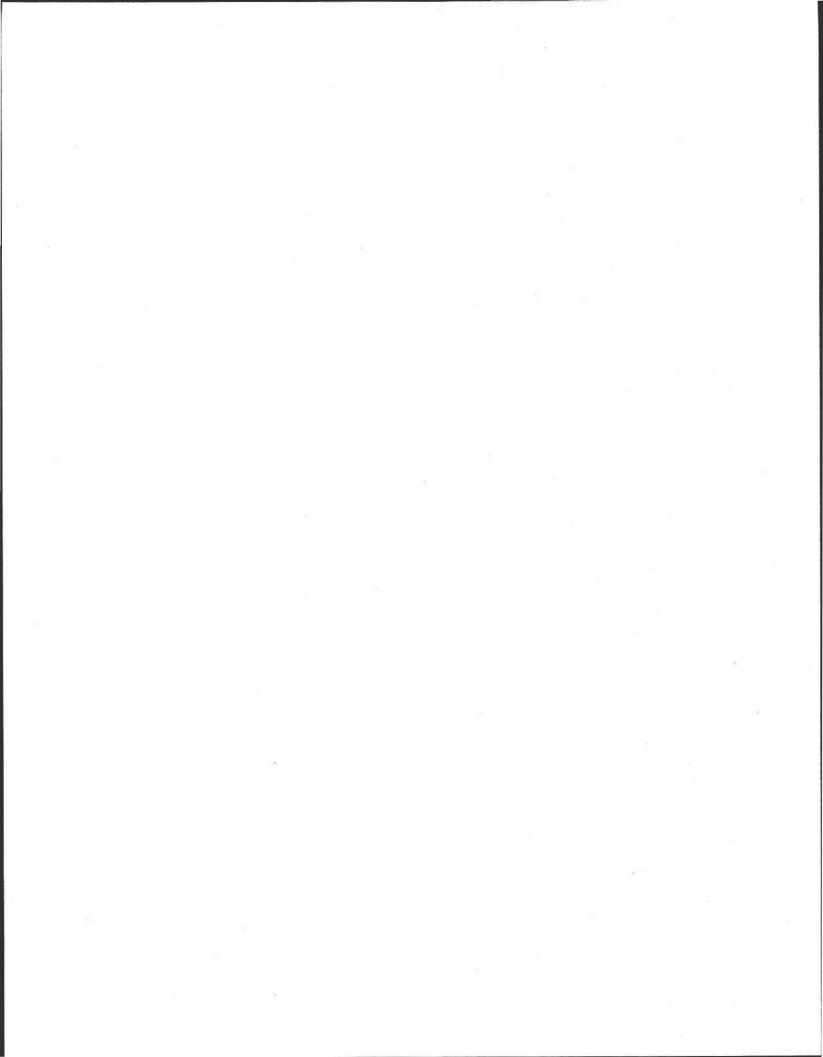
ΠΥ □ N ND (Explain below):





Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| S III P | Suba | sui | lace of | ewage Disposal System 1 | | VOIC | inta | 19 / 330 | 551110 | |
|-------------------------|---------------|-----|--------------------|--|----------------|-------|------------|-------------|--------|---|
| A DELLA | | | nderlan Address | d Road, Amherst, MA | | | | | | |
| | | | | s: (Mail: 9 Cricket Lane, Sim | sbury Ct. 06 | 070) | | | | |
| Owner information is | Owne | | | | | | | | | |
| required for | Amh City/T | | | | MA State | - | 010 Zin | 002 Code | | 2.22.2011 Date of Inspection |
| every page. | - | | | otion (cont.) | Olate | | Zip | Couc | | ate of mapeolion |
| | D. (| Je | runc | cont.) | | | | | | |
| | E | 3) | Syster | m Conditionally Passes (co | ont.): | | | | | |
| | [| | to brok | vation of sewage backup or ken or obstructed pipe(s) or nspection if (with approval or | due to a brok | en, s | settl | | | |
| | | | | broken pipe(s) are replace | ed | | Y | 🗆 N | | ND (Explain below): |
| | | | | obstruction is removed | | | Y | 🗌 N | | ND (Explain below): |
| | | | | distribution box is leveled | or replaced | | Y | 🗌 N | | ND (Explain below): |
| | - | | | vstem required pumping mor n will pass inspection if (with broken pipe(s) are replace | approval of | | | | | en or obstructed pipe(s). Th ND (Explain below): |
| | | | | obstruction is removed | iu. | | 1 V | | | ND (Explain below): |
| | _ | | | | | | | | | |
| | _ | | | | | | | | | |
| | C | | Condit | er Evaluation is Required to ions exist which require furth stem is failing to protect pub | ner evaluatio | n by | the | Board o | | |
| | | | 1. Sys 15.303 | stem will pass unless Boar B(1)(b) that the system is n and the environment: | rd of Health | dete | rmi | nes in a | ccol | dance with 310 CMR |
| | | | | Cesspool or privy is within | 50 feet of a | surfa | ce | water | | |
| | | | | Cesspool or privy is within | 50 feet of a l | oorde | erin | g vegeta | ited v | vetland or a salt marsh |





Owner information is required for every page.

Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| 456 Sunderland Road, Amherst, I Property Address | AN | | |
|---|-----------------------|----------|--------------------|
| Karen Zwinakis: (Mail: 9 Cricket L | ane, Simsbury Ct. 060 | 70) | |
| Owner's Name | | | |
| Amherst | MA | 01002 | 12.22.2011 |
| City/Town | State | Zip Code | Date of Inspection |

B. Certification (cont.)

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 fecal coliform bacteria indicates absent 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.

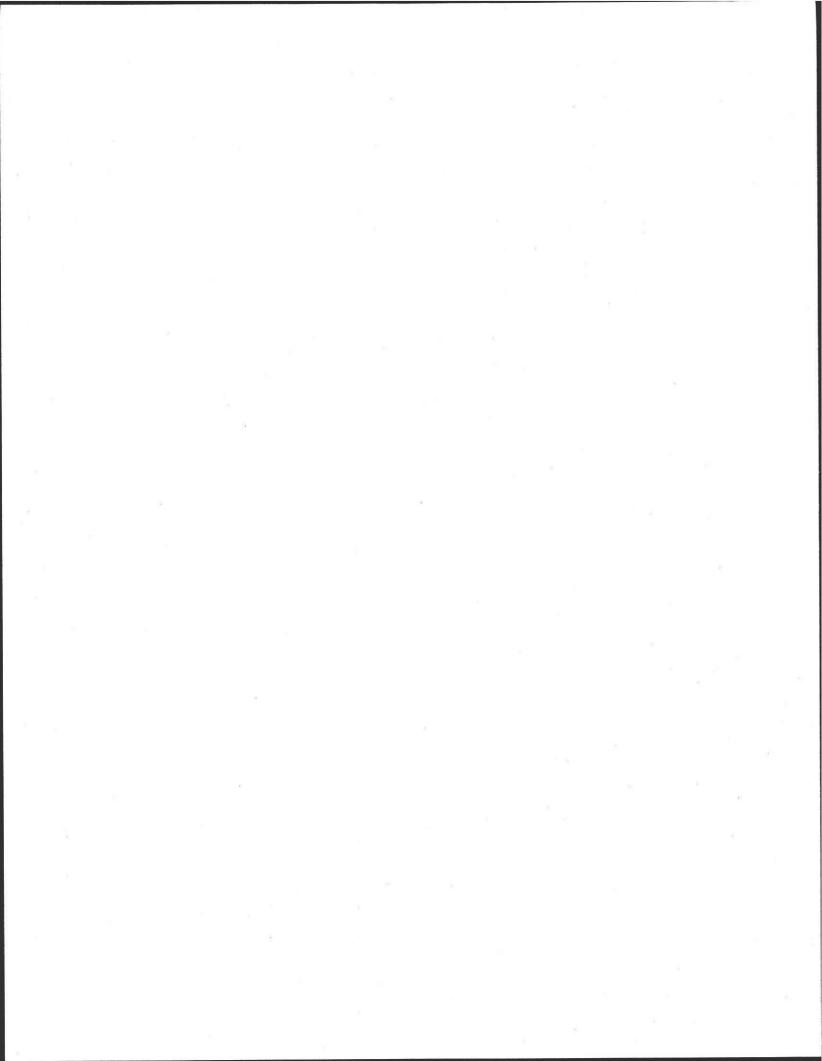
3. Other:

D) System Failure Criteria Applicable to All Systems:

You must indicate "Yes" or "No" to each of the following for all inspections:

| Yes | No | |
|-------------|-------------|---|
| \boxtimes | | Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool |
| | \boxtimes | Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool |
| | \boxtimes | Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool |
| | \boxtimes | Liquid depth in cesspool is less than 6" below invert or available volume is less than 1/2 day flow |

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 4 of 17



Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| Owner information is required for every page. | 456 Sunderland Road, Amhers | t, MA | | | | |
|--|--|-------|----------|--------------------|--|--|
| | Property Address | | | | | |
| | Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070) | | | | | |
| | Owner's Name | | | | | |
| | Amherst | MA | 01002 | 12.22,2011 | | |
| | City/Town | State | Zip Code | Date of Inspection | | |

B. Certification (cont.)

| Yes | No | |
|-----|-------------|--|
| | \boxtimes | Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped: |
| | \boxtimes | 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. |
| | \boxtimes | Any portion of a cesspool or privy is within a Zone 1 of a public well. |
| | \boxtimes | 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 fecal coliform bacteria indicates absent 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 and chain of custody must be attached to this form.] |
| | \boxtimes | The system is a cesspool serving a facility with a design flow of 2000gpd- 10,000gpd. |
| | | The system <u>fails</u> . 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. |

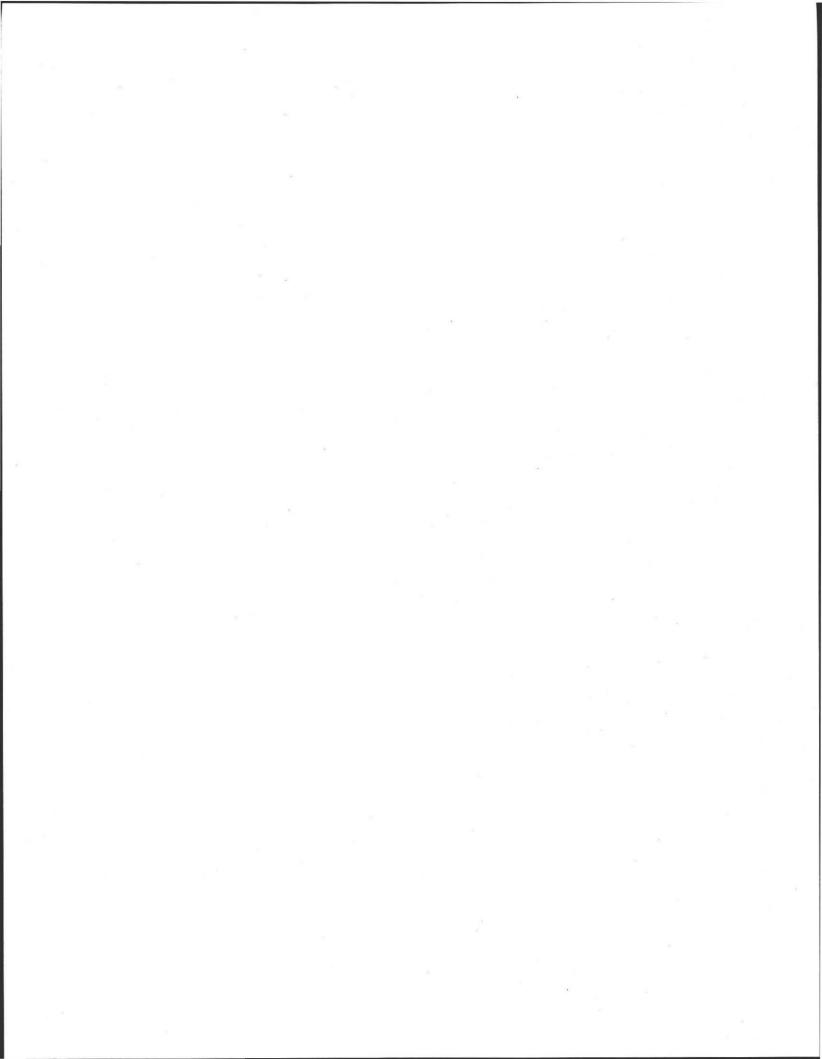
E) Large Systems: To be considered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd.

For large systems, you must indicate either "yes" or "no" to each of the following, in addition to the questions in Section D.

| 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.





Commonwealth of Massachusetts

Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| every page. | City/Town C. Checklist | State | Zip Code | Date of Inspection | |
|--------------------------------|-------------------------------------|----------------------|----------|--------------------|--|
| information is required for | Citu/Tour | State | Zip Code | Data of Increation | |
| | Amherst | MA | 01002 | 12.22.2011 | |
| Owner | Owner's Name | | | | |
| | Karen Zwinakis: (Mail: 9 Cricket La | ne, Simsbury Ct. 060 | 70) | | |
| | Property Address | | | | |
| A COLUMN | 456 Sunderland Road, Amherst, M. | A | | | |

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

| Yes | No | |
|-------------|-------------|--|
| \boxtimes | | Pumping information was provided by the owner, occupant, or Board of Health |
| | \boxtimes | Were any of the system components pumped out in the previous two weeks? |
| | \boxtimes | Has the system received normal flows in the previous two week period? |
| | \boxtimes | Have large volumes of water been introduced to the system recently or as part of this inspection? |
| | \boxtimes | Were as built plans of the system obtained and examined? (If they were not available note as N/A) |
| \boxtimes | | Was the facility or dwelling inspected for signs of sewage back up? |
| \boxtimes | | Was the site inspected for signs of break out? |
| \boxtimes | | 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: |
| \boxtimes | | 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(5)] |

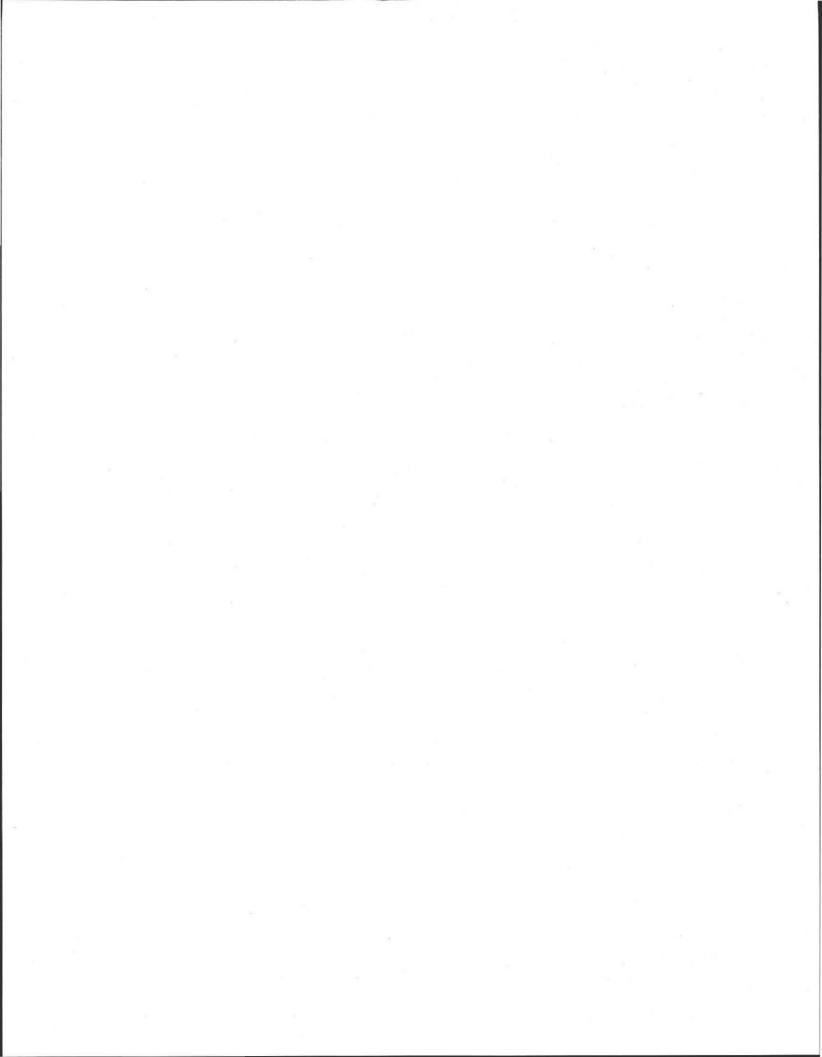
D. System Information

| Residential | Flow | Conditions: |
|-------------|------|--------------------|
|-------------|------|--------------------|

| Number of bedrooms (design): | ? | Number of bedrooms (actual): | 3 |
|------------------------------|---|------------------------------|---|
| | | | |

| | 2 | |
|---|---|--|
| N | 1 | |

DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms):

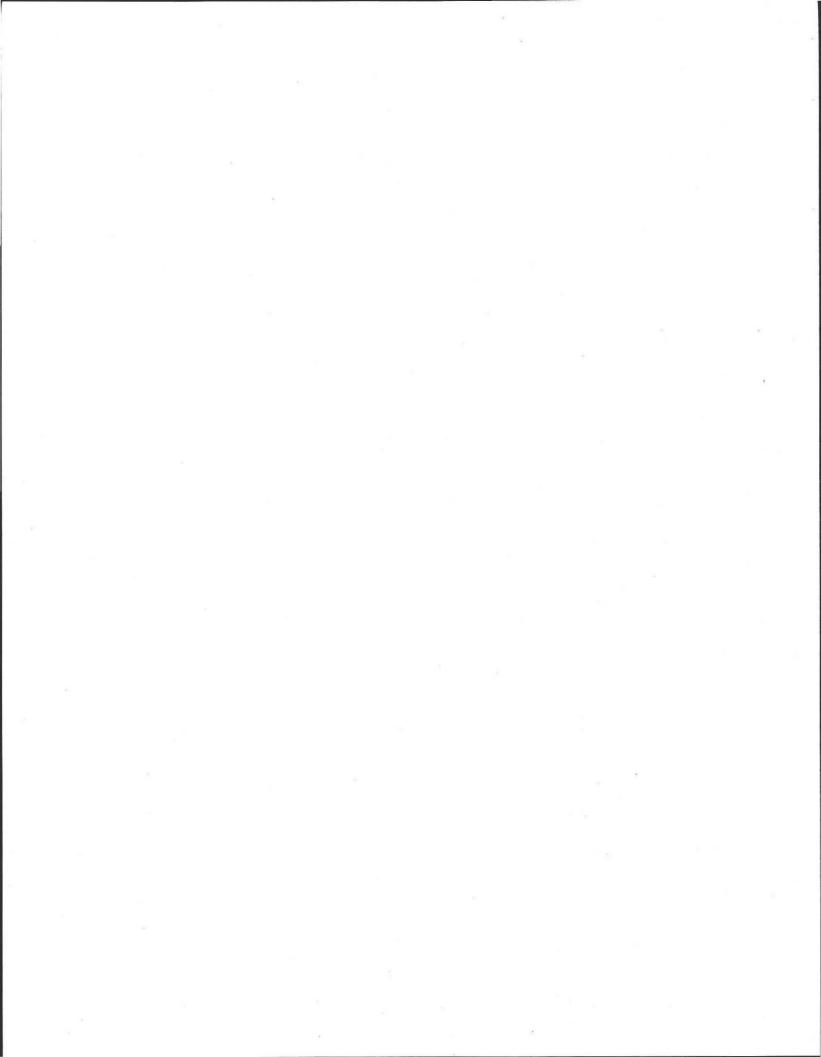




Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| | Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070 Owner's Name |) | | | |
|---|--|----------------|----------------|------------------|----|
| | Amherst MA | 01002 | 12.22.201 | | |
| - | City/Town State D. System Information | Zip Code | Date of Insp | ection | |
| | Description: 1000 gallon S. tank and leach area (no d box), orange | e burg pipe ar | nd stone in hy | draulic failure. | |
| | | | | | |
| | | | | | |
| | Number of current residents: | | | 0 | |
| | Does residence have a garbage grinder? | | | 🗌 Yes 🛛 |] |
| | Is laundry on a separate sewage system? [if yes separ | rate inspectio | n required] | 🗌 Yes 🛛 |] |
| | Laundry system inspected? | | | 🗌 Yes 🛛 |] |
| | Seasonal use? | | | 🗌 Yes 🛛 |] |
| | Water meter readings, if available (last 2 years usage (| (gpd)): | | n/a | |
| | Detail: Laundry needs to be connected to main system and old | d discharge c | losed. | | |
| | y | | | | |
| | Sump pump? | | 2 | 🗌 Yes 🛛 |] |
| | Last date of occupancy: | | | Date | |
| | Commercial/Industrial Flow Conditions: | | | 31 | |
| | | | | | |
| | Type of Establishment: | | | | |
| | Type of Establishment: Design flow (based on 310 CMR 15.203): | Gallons | per day (gpd) | | |
| | | Gallons | per day (gpd) | | 12 |
| | Design flow (based on 310 CMR 15.203): | Gallons | per day (gpd) | Yes |] |
| | Design flow (based on 310 CMR 15.203): Basis of design flow (seats/persons/sq.ft., etc.): | Gallons | per day (gpd) | Yes Yes |] |
| | Design flow (based on 310 CMR 15.203): Basis of design flow (seats/persons/sq.ft., etc.): Grease trap present? | Gallons | per day (gpd) | | |

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 7 of 17

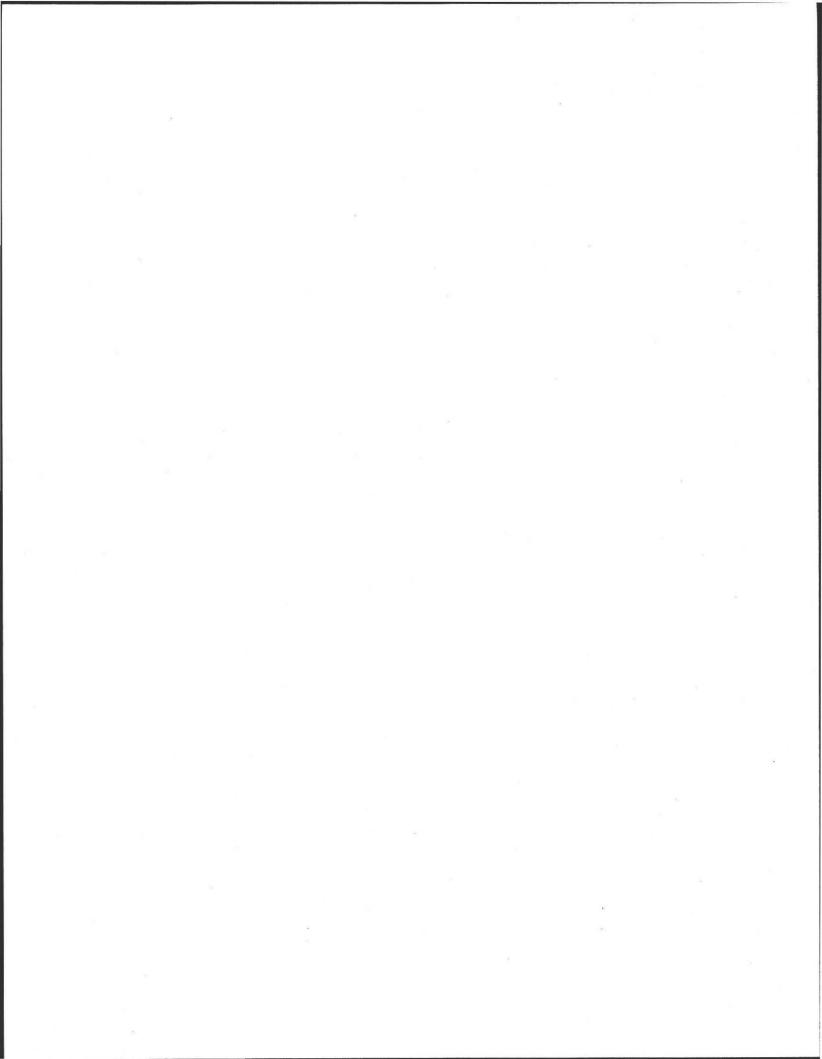




Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| | aren Zwinakis wner's Name | (Mail: 9 Cricket Lane, Simsbu | iry Ct. 0607 | (0) | |
|---------------|------------------------------|-------------------------------|-----------------|----------------|----------------------------|
| 1.000 | mherst | | MA | 01002 | 12.22.2011 |
| Sector Sector | ty/Town | | State | Zip Code | Date of Inspection |
| D | . System | Information (cont.) | | | |
| | Last date of | occupancy/use: | | Curren Date | t |
| | Other (desc | ribe below): | | Date | |
| | | | | | |
| | н. | Ger | neral Inform | nation | ан са же уста с |
| | Pumping R | ecords: | | | |
| | Source of in | formation: | ?+ yrs | 5. | 2 |
| | Was system | pumped as part of the inspec | tion? | | 🗌 Yes 🛛 N |
| | If yes, volun | ne pumped: | 1000 gallons | | |
| | How was qu | antity pumped determined? | Meas | | |
| | Reason for | pumping: | Insp. | | |
| | Type of Sys | stem: | | | |
| | \boxtimes | Septic tank, distribution bo | ox, soil abso | orption system | |
| | | Single cesspool | | | |
| | | Overflow cesspool | | | |
| | | Privy | | | |
| | | Shared system (yes or no |) (if yes, att | ach previous i | nspection records, if any) |
| | | Innovative/Alternative tech | | | |
| | | | be obtained | from system | owner) and a copy of lates |
| | | Tight tank. Attach a copy of | of the DEP | approval. | |
| | \boxtimes | Other (describe): | | | |
| | | No box (only y) | | | |

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 8 of 17

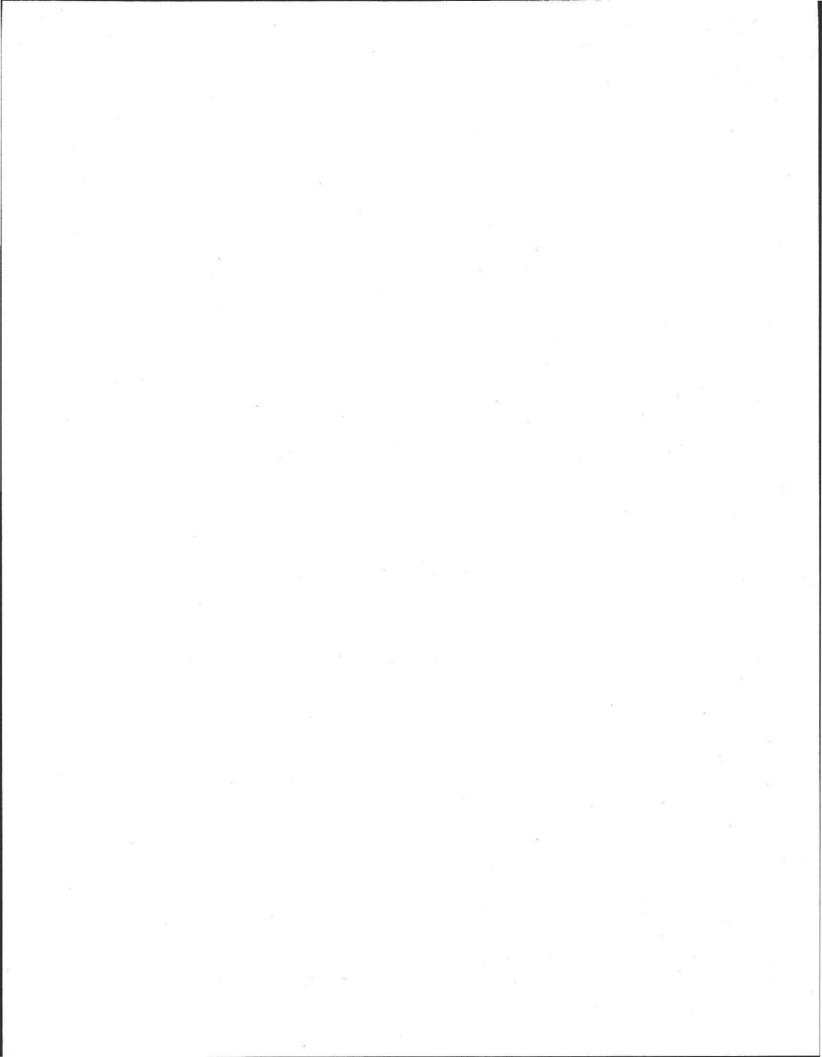




Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| primation is Amherst MA 01002 12.22.2011 | | Subsurface Sewage Di | | Form - Not for Vo | untary Asses | sments | | |
|---|-------------|--------------------------|-----------------------|-----------------------|---|----------------|----------------|--|
| Maren Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070) Owner's Name Amherst MA 01002 12.22.2011 CityTown State Zip Code Date of Inspection D. System Information (cont.) Approximate age of all components, date installed (if known) and source of information: 50+ Were sewage odors detected when arriving at the site? Yes S No Building Sewer (locate on site plan): Depth below grade: 7eet Material of construction: Cast iron 40 PVC other (explain): Distance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): 2.5 feet Material of construction: Good condition 5 feet Good condition 5 feet 5 Good condition fitte plan): 2.5 feet Material of construction: Good condition fitte plan) feet Material of construction: go concrete metal fiberglass polyethylene other (explain) ARC type fit tank is metal, list age: | Card States | | Amherst, MA | | | | | |
| Comer's Name MA 01002 12.22.2011 Date of Inspection Date of Inspection Date of Inspection D. System Information (cont.) Approximate age of all components, date installed (if known) and source of information: 50+ Were sewage odors detected when arriving at the site? Yes ⊠ No Building Sewer (locate on site plan): Depth below grade: 2.0 Depth below grade: 2.0 feet Material of construction: G cast iron 40 PVC other (explain): Distance from private water supply well or suction line: feet feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): Depth below grade: 2.5 Good condition feet metail of construction: Septic Tank (locate on site plan): 2.5 feet Material of construction: Sconcrete metail | | | Cricket Lane Si | msbury Ct 06070 | N N | | | |
| Mathematical CityTown Mate UTUD2 12.22.2011 Improvementation State Zip Code Date of Inspection D. System Information (cont.) Approximate age of all components, date installed (if known) and source of information: Sol+ Were sewage odors detected when arriving at the site? Improvementation: Vere Sole Vere Sole Depth below grade: 2.0 feet feet Material of construction: Improvementation (continue) feet Obstance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): 2.5 Depth below grade: 2.5 Freet material of construction: G concrete metal fiberglass polyethylene other (explain) ARC type if tank is metal, list age: years years is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Yes No Dimensions: 9.5 x 4.0' x 3.8' -78'' | wner | | | | | | | |
| city/Town State Zip Code Date of Inspection D. System Information (cont.) Approximate age of all components, date installed (if known) and source of information: 50+ Were sewage odors detected when arriving at the site? Yes 🛛 No Building Sewer (locate on site plan): Depth below grade: 2.0 freet Material of construction: 2.0 Go cast iron Distance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): 2.5 feet Depth below grade: 2.5 feet Material of construction: 2.5 feet Material of construction: 2.5 feet Material of construction: 90/94thylene If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Yes No Dimensions: 9.5 x 4.0' x 3.8' | | Amherst | | MA | 01002 | 12.22.20 | 11 | |
| Approximate age of all components, date installed (if known) and source of information: 50+ Were sewage odors detected when arriving at the site? □ Yes ☑ No Building Sewer (locate on site plan): □ 2.0 Depth below grade: 2.0 Material of construction: □ du PVC □ cast iron □ 40 PVC □ bistance from private water supply well or suction line: rest Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Good condition | ery page. | City/Town | | State | Zip Code | Date of Ins | pection | |
| 50+ Were sewage odors detected when arriving at the site? Yes No Building Sewer (locate on site plan): Depth below grade: Depth below grade: 2.0 feet Material of construction: C cast iron 40 PVC other (explain): Distance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): Septic Tank (locate on site plan): Depth below grade: 2.5 Material of construction: Septic Tank (locate on site plan): Depth below grade: 2.5 Material of construction: Septic Tank (locate on site plan): Material of construction: gens Material of construction: Septic Tank (locate on grade): If tank is metal, list age: years If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) | | D. System Inform | mation (cont. |) | | | | |
| Were sewage odors detected when arriving at the site? □ Yes ⊠ No Building Sewer (locate on site plan): 2.0 Depth below grade: 2.0 Material of construction: □ Yes ⊠ No Distance from private water supply well or suction line: reet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): | | Approximate age of | all components, o | date installed (if kr | nown) and so | urce of inform | mation: | |
| Building Sewer (locate on site plan): 2.0 Depth below grade: 2.0 Material of construction: ifeet Distance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): | | 50+ | | | | | | |
| Building Sewer (locate on site plan): 2.0 Depth below grade: 2.0 Material of construction: | | | | | | | | |
| Depth below grade: 2.0 feet Material of construction: | | Were sewage odors | detected when a | rriving at the site? | | |] Yes 🛛 No | |
| Depth below grade: feet Material of construction: cast iron Distance from private water supply well or suction line: Distance from private water supply well or suction line: Distance from private water supply well or suction line: Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition \hline \hline \hline \hline \hline \hline \hline < | | Building Sewer (loo | cate on site plan): | | | | | |
| Material of construction: Material of construction: Distance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): Depth below grade: % Material of construction: % % If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) % | | Depth below grade: | | | the second se | | | |
| ⊠ cast iron 40 PVC other (explain): Distance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Good condition | | | | | feet | | | |
| Distance from private water supply well or suction line: feet Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): Depth below grade: Material of construction: Concrete metal fiberglass polyethylene other (explain) ARC type If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Yes No Dimensions: | | Material of construct | tion: | | | | | |
| Comments (on condition of joints, venting, evidence of leakage, etc.): Good condition Septic Tank (locate on site plan): Depth below grade: Material of construction: Concrete metal fiberglass polyethylene other (explain) ARC type If tank is metal, list age: Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Yes No Dimensions: | | 🛛 cast iron | 40 PVC | other (exp | olain): | | | |
| Good condition Septic Tank (locate on site plan): Depth below grade: 1 Material of construction: Image: | | Distance from privat | e water supply w | ell or suction line: | feet | | | |
| Good condition Septic Tank (locate on site plan): Depth below grade: 1 Material of construction: Image: | | Comments (on cond | lition of joints, ver | nting, evidence of | leakage, etc.) |): | | |
| Septic Tank (locate on site plan): Depth below grade: Material of construction: Image: | | | | 0. | | | | |
| Depth below grade: 2.5 feet Material of construction: | | Good condition | | | | | | |
| Depth below grade: 2.5 Material of construction: Concrete metal fiberglass polyethylene other (explain) ARC type If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Dimensions: St x 4.0' x 3.8' | | | | | | | | |
| Depth below grade: 2.5 feet Material of construction: | | | | | | | | |
| Depth below grade: 2.5 feet Material of construction: | | | | | | <u>)</u> | | |
| Depth below grade: 2.5 feet Material of construction: | | ×. | | | | | | |
| Depth below grade: feet Material of construction: ARC type If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Dimensions: AR'' | | Septic Tank (locate | on site plan): | | | | | |
| Material of construction: Mater | | Death below and a | | | 2.5 | | | |
| M concrete metal fiberglass polyethylene other (explain ARC type If tank is metal, list age: Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Dimensions: Yes No 9.5 × 4.0' × 3.8' | | Depth below grade: | | | | | | |
| ⊠ concrete ☐ metal ☐ fiberglass ☐ polyethylene ☐ other (explain) ARC type If tank is metal, list age: | | Material of construct | tion | | | | | |
| ARC type If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) Dimensions: <8" | | | | | | | | |
| If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: $9.5 \times 4.0' \times 3.8'$ | | 🖾 concrete | 🗌 metal | fiberglass | poly | ethylene | other (explain | |
| If tank is metal, list age: years Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: $9.5 \times 4.0' \times 3.8'$ | | ARC type | | | | | | |
| Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: $\frac{9.5 \times 4.0' \times 3.8'}{< 8''}$ | | 1410 ()00 | | | | | 1 · | |
| Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: | | | | | | | | |
| Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: | | + | | | | | | |
| Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: | | | | | | | 1 | |
| Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: | | | | | | | | |
| Is age confirmed by a Certificate of Compliance? (attach a copy of certificate) \Box Yes \Box No Dimensions: $9.5 \times 4.0' \times 3.8'$ | | If tank is metal, list a | ige: | | Vea | rs | | |
| Dimensions: 9.5 x 4.0' x 3.8' | | | - | | | | | |
| Dimensions. | | Is age confirmed by | a Certificate of C | ompliance? (attac | h a copy of ce | ertificate) | 🗌 Yes 🗌 No | |
| Dimensions. | | | | | | | | |
| Sludge depth: | | Dimension | 1 | | 9. | 5 x 4.0' x 3.8 | 3' | |
| | | Dimensions: | | | 9. | 5 x 4.0' x 3.8 | 3' | |

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 9 of 17

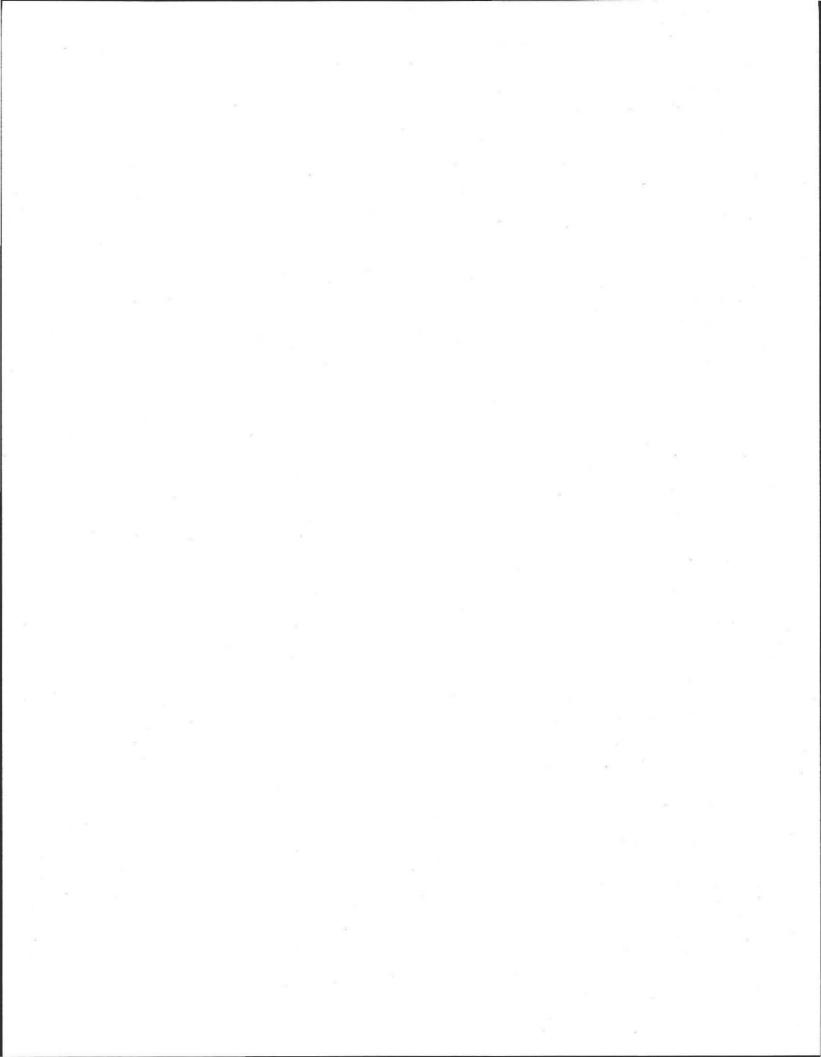




Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| | Karen Zwinakis: (Ma | ail: 9 Cricket Lane, Si | msbury Ct. 0607 | (0) | | |
|----|---|--|----------------------|-------------------|---------------------|-----------------------|
| is | Owner's Name | | | | | |
| | Amherst | 17. | MA | 01002 Zin Code | 12.22.20 | |
| | City/Town | ormation (ant | State | Zip Code | Date of Ins | pection |
| | D. System Infe | ormation (cont | .) | | | |
| | Septic Tank (co | ont.) | | | | |
| | Distance from to | p of sludge to botton | n of outlet tee or | baffle | 40" | 10. |
| | Course this langes | | | | 6" | * |
| | Scum thickness | | | | | |
| | Distance from to | p of scum to top of c | outlet tee or baffle | е | | |
| | Distance from bo | ottom of scum to bott | tom of outlet tee | or baffle | - | |
| | How were dimon | sions determined? | | | Obs | |
| | | | | 0.11 | | |
| | Comments (on p | oumping recommend elated to outlet invert | ations, inlet and | outlet tee o | or baffle condition | n, structural integri |
| | | evel and had no baff | | | | * |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | Υ | |
| | | | | | Υ | |
| | | | 2. ¹⁷ | | | |
| | Grease Trap (loo | cate on site plan): | 2 2 3 | | | |
| | | | 2 2 ³ | | | |
| | Depth below grad | de: | 2 2 2 | | feet | |
| | | de: | 2 ⁹ | | feet | |
| | Depth below grad | de: | ☐ fibergla | ss | feet | ☐ other (explai |
| | Depth below grad | de: ruction: | ☐ fibergla | ss | | ☐ other (explai |
| | Depth below grad Material of const | de: ruction: | ☐ fibergla | SS | | ☐ other (explai |
| | Depth below grad | de: ruction: | ☐ fibergla | ss | | ☐ other (explai |
| | Depth below grad Material of const | de: ruction: | ☐ fibergla | ss | | ☐ other (explai |
| | Depth below grad Material of const Concrete Dimensions: Scum thickness | de: ruction: metal | | | | ☐ other (explai |
| | Depth below grad Material of const Concrete Dimensions: Scum thickness Distance from top | de: ruction: | utlet tee or baffle | 2 | | ☐ other (explai |
| | Depth below grad Material of const Concrete Dimensions: Scum thickness Distance from top | de: ruction: metal | utlet tee or baffle | 2 | | ☐ other (explai |

Title 5 Official Inspection Form: Subsurface Sewage Disposal System - Page 10 of 17





Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| A CONTRACTOR | 456 Sunderland Road, Amherst | , MA | | | |
|---|---------------------------------|------------------------|----------|--------------------|--|
| | Property Address | | | | |
| | Karen Zwinakis: (Mail: 9 Cricke | Lane, Simsbury Ct. 060 | 70) | | |
| wner | Owner's Name | | | | |
| information is required for every page. | Amherst | MA | 01002 | 12.22.2011 | |
| | City/Town | State | Zip Code | Date of Inspection | |
| | | | | | |

D. System Information (cont.)

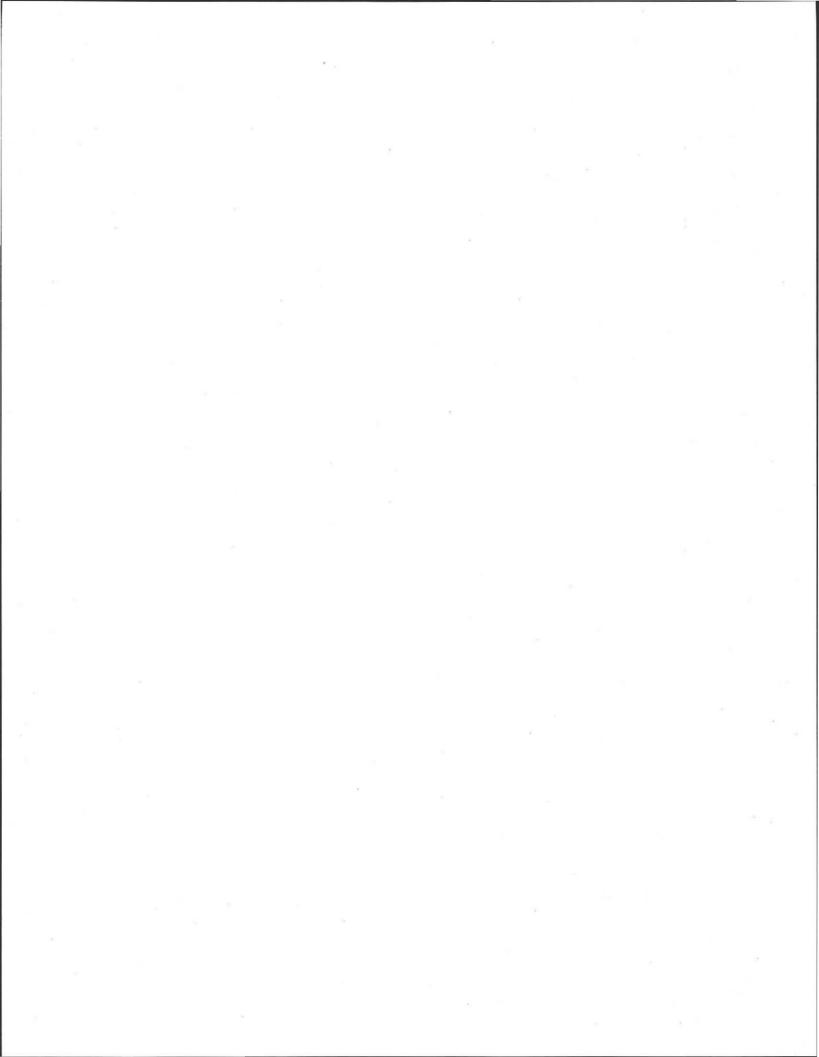
Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):

| Fight or Holding Tank | (tank must be pump | ed at time of inspection) | (locate on site plan): |
|------------------------------|--------------------|---------------------------|------------------------|
|------------------------------|--------------------|---------------------------|------------------------|

Depth below grade:

Material of construction:

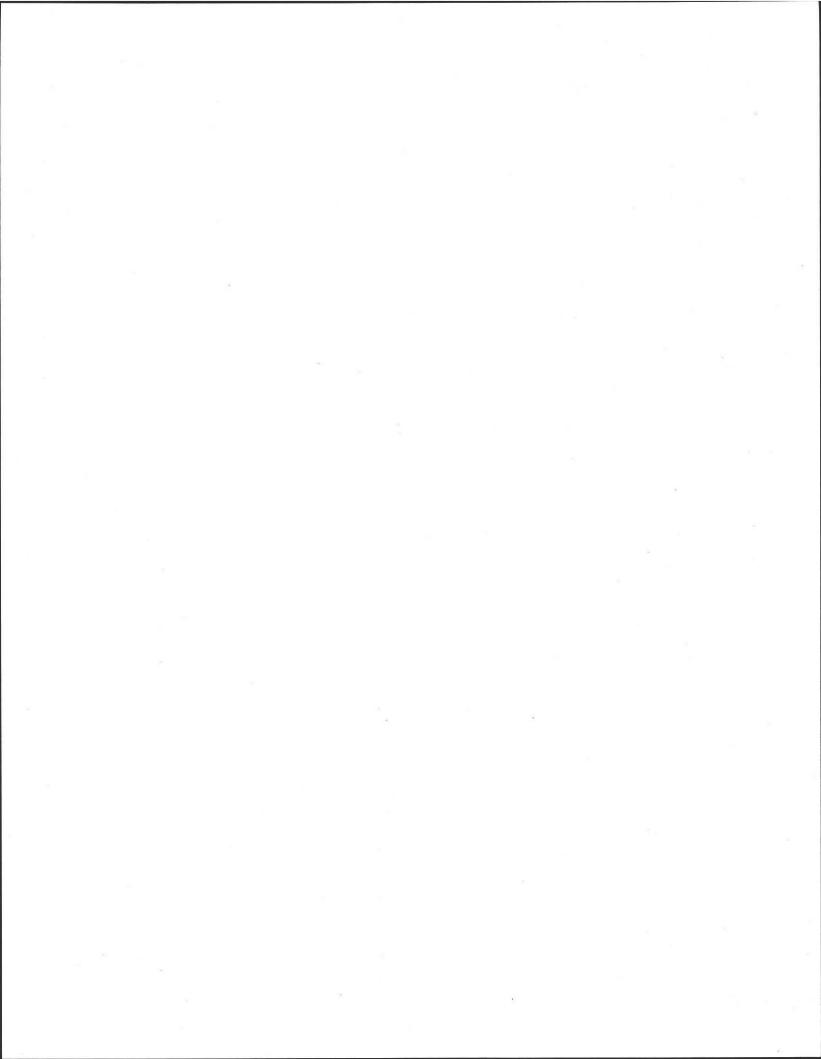
| concrete | metal | ☐ fiberglass | polyethylen | ie 🗌 oth | er (explain): |
|--------------------|----------------------|----------------------------|----------------|----------|---------------|
| Dimensions: | | | | | |
| Dimensions. | | a | | | |
| Capacity: | | gallons | | | |
| Design Flow: | | gallons p | er day | | |
| Alarm present: | | 🗌 Ye | s 🗌 No | | |
| Alarm level: | | Alarm ir | working order: | 🗌 Yes | 🗌 No |
| Date of last pumpi | ing: | Date | | | |
| Comments (condit | tion of alarm and fl | loat switches, etc.): | | 1 | |
| 8 | R. | | | | 10 |
| | 5 | | y. | , | - |
| | | | | × | П |
| * Attach copy of c | urrent pumping cor | ntract (required). Is copy | attached? | 🗌 Yes | 🗌 No |





Commonwealth of Massachusetts Title 5 Official Inspection Form

| | Subsurface Sewage Disposal System Form - Not for Voluntary Assessments | | | | | |
|-------------------------|---|-------------|------------------|-------------------------------|-----|--|
| | 456 Sunderland Road, Amherst, MA | | | | | |
| | Property Address | | | | 1 | |
| 2 | Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury | Ct. 0607 | 70) | | 16 | |
| Owner information is | Owner's Name | | | | | |
| required for | | MA | 01002 | 12.22.2011 | | |
| every page. | City/Town | State | Zip Code | Date of Inspection | | |
| | D. System Information (cont.) Distribution Box (if present must be opened | 1) (locate | on site plan): | | | |
| | Depth of liquid level above outlet invert | 1) (1000110 | - | | | |
| 2 | Depth of liquid level above outlet livert | | | | 1 | |
| | Comments (note if box is level and distribution evidence of leakage into or out of box, etc.): | on to out | ets equal, any e | evidence of solids carryover, | any | |
| | | 2 | ×. | | | |
| | | | | a | | |
| | | | | | | |
| а ж | s | | | | | |
| | | | 2 8 | | | |
| | Pump Chamber (locate on site plan): | | | | | |
| | Pumps in working order: | | | 🗌 Yes 🗌 No | | |
| | Alarms in working order: | | 24 32 | 🗌 Yes 🗌 No | | |
| | Comments (note condition of pump chamber | , conditio | on of pumps and | d appurtenances, etc.): | | |
| | | | 7 | | | |
| | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | 1 | | |
| | Soil Absorption System (SAS) (locate on s | ite plan, | excavation not | required): | | |
| | If SAS not located, explain why: | | | | | |
| | | 1 | | | | |
| | | | | | | |
| | | | | 12 1 | | |
| | | | | 4 | | |
| | | 81 | | | | |





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| 456 Sunderland Road, Amherst, | MA | | | |
|------------------------------------|---|---|--|---|
| Property Address | | | | |
| Karen Zwinakis: (Mail: 9 Cricket l | ane, Simsbury Ct. 060 | 70) | | |
| Owner's Name | 1 | | | |
| Amherst | MA | 01002 | 12.22.2011 | |
| City/Town | State | Zip Code | Date of Inspection | |
| | Property Address Karen Zwinakis: (Mail: 9 Cricket L Owner's Name Amherst | Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 060 Owner's Name Amherst MA | Property Address Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070) Owner's Name Amherst MA 01002 | Property Address Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070) Owner's Name Amherst MA 01002 12.22.2011 |

D. System Information (cont.)

| Туре: | | | |
|-------------|-------------------------------|---------------------|--------------------|
| | leaching pits | number: | |
| | leaching chambers | number: | ж |
| | leaching galleries | number: | |
| | leaching trenches | number, length: | 1 |
| \boxtimes | leaching fields | number, dimensions: | 3 lines in failure |
| | 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.): Stone in failure

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

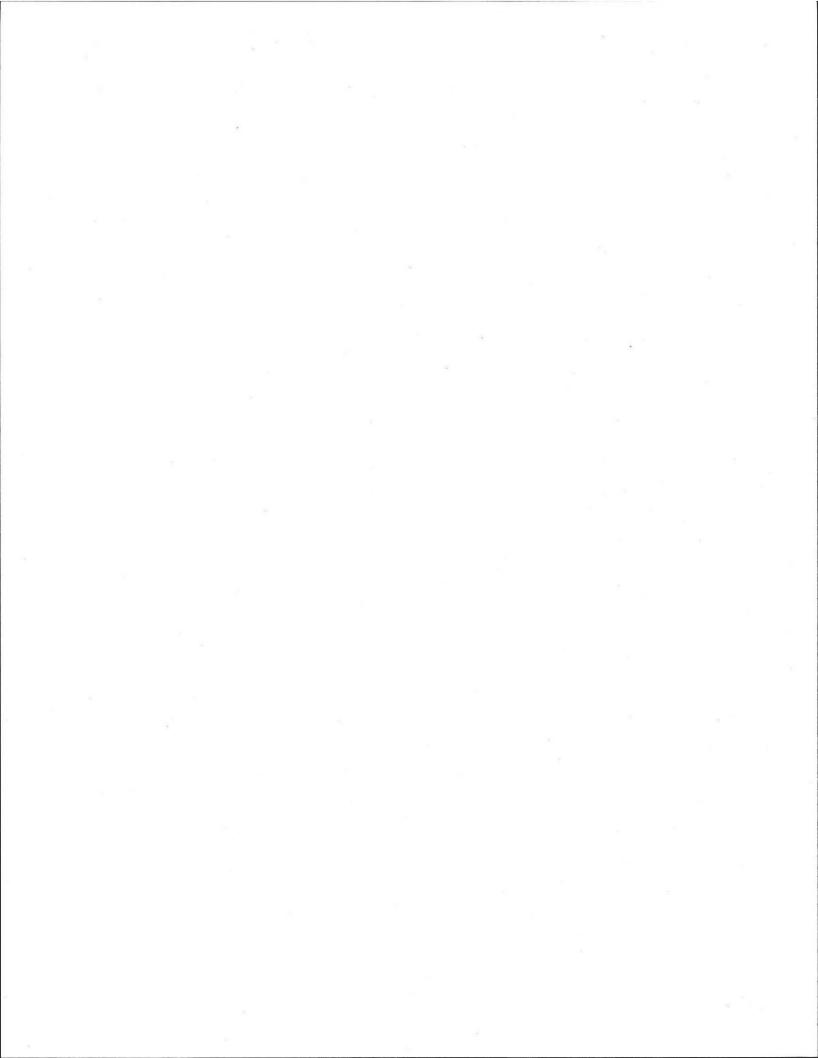
Materials of construction

Indication of groundwater inflow

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 13 of 17

Yes

No No





Owner information is required for every page.

Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| Property Address | | | | |
|---------------------------------|--------------------------|----------|--------------------|--|
| Karen Zwinakis: (Mail: 9 Cricke | t Lane, Simsbury Ct. 060 | 70) | | |
| Owner's Name | 1 | | | |
| Amherst | MA | 01002 | 12.22.2011 | |
| City/Town | State | Zip Code | Date of Inspection | |

D. System Information (cont.)

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

Privy (locate on site plan):

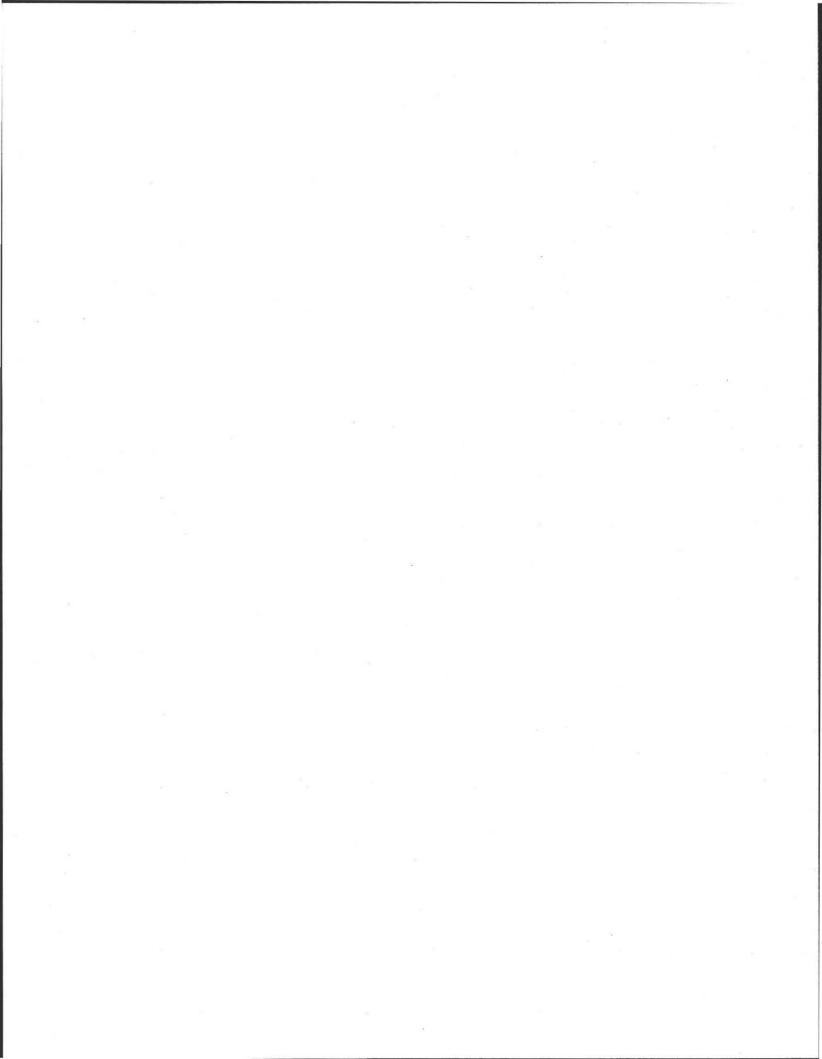
Materials of construction:

Dimensions

Depth of solids

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

1





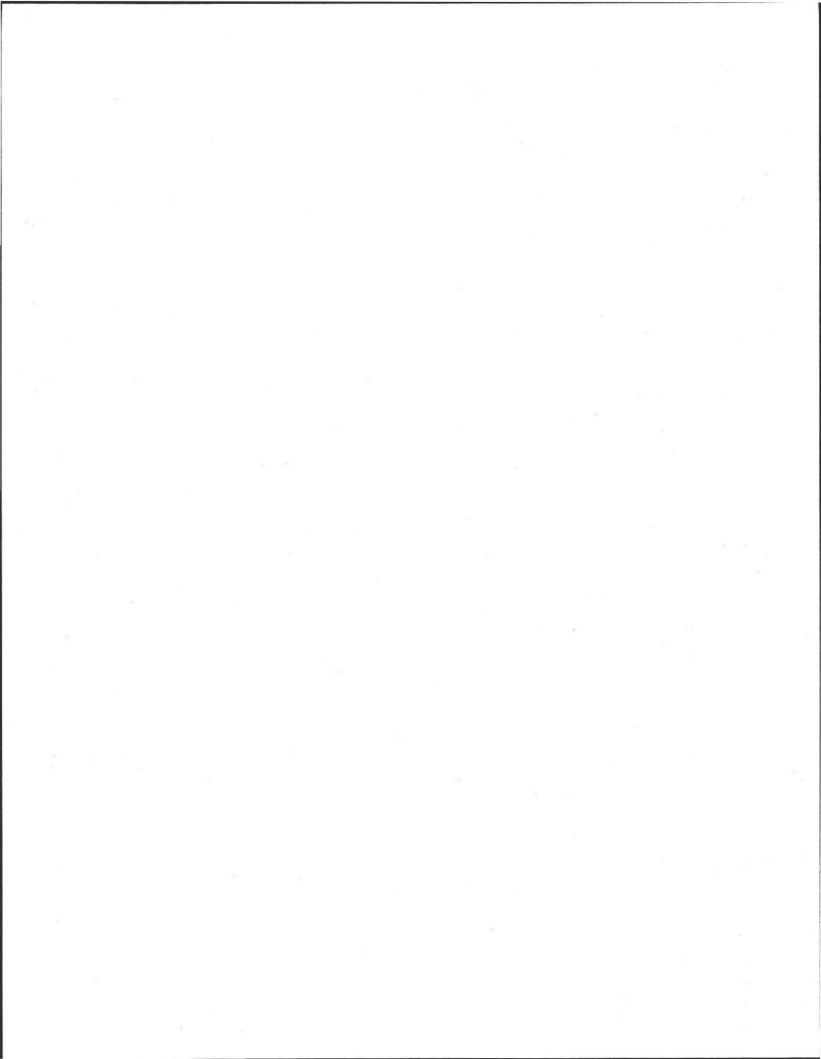
Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| - | Karen Zwinakis: (Mail: 9 Cricket La | ne, Simsbury Ct. 060 | 70) | | |
|-------------------------|-------------------------------------|----------------------|-------|------------|--|
| Owner information is | Owner's Name | | | | |
| intormation is | | | 01000 | 12 22 2011 | |
| required for | Amherst | MA | 01002 | 12.22.2011 | |

D. System Information (cont.)

Sketch Of Sewage Disposal System: Provide a view 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. Check one of the boxes below:

hand-sketch in the area below drawing attached separately \boxtimes





information is

required for

every page.

 456 Sunderland Road, Amherst, MA

 Property Address

 Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070)

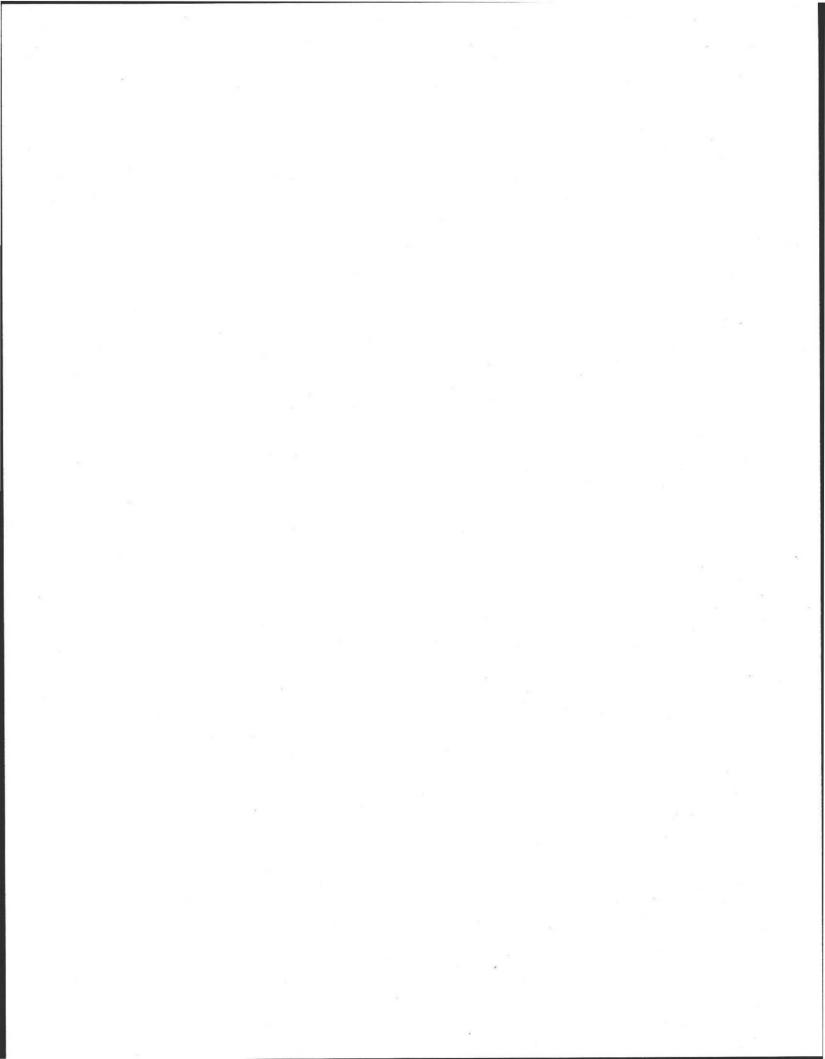
 Owner's Name

 Amherst
 MA

 01002
 12.22.2011

| ty/Town | | State | Zip Code | Date of Inspection |
|-------------|---|---------------|-------------------|--------------------|
| . Syster | n Information (cont.) | | | |
| Site Exa | m : | | | |
| 🛛 Chec | k Slope | | | |
| Surfa | ice water | | | |
| Chec | k cellar | | | |
| | ow wells | | | |
| | | | 5-6' to | oo of terrace. |
| Estimated | d depth to high ground water: | 120 | feet | |
| Please in | dicate all methods used to deter | mine the hi | gh ground wate | er elevation: |
| | Obtained from system design | plans on re | ecord | |
| | If checked, date of design pla | n reviewed | Date | |
| | Observed site (abutting prope | erty/observa | ation hole within | 150 feet of SAS) |
| \boxtimes | Checked with local Board of H | Health - exp | lain: | |
| | Work at site across st. | | | |
| | Checked with local excavator | s, installers | - (attach docur | mentation) |
| | Accessed USGS database - e | explain: | | |
| | t describe how you established t levation of terrace to wetland an | | und water elev | ation: |

Before filing this Inspection Report, please see Report Completeness Checklist on next page.





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

| 456 Sunderland Road, Amherst | , MA | | | |
|----------------------------------|---|---|--|---|
| Property Address | | | | |
| Karen Zwinakis: (Mail: 9 Cricket | Lane, Simsbury Ct. 060 | 70) | | |
| Owner's Name | | | | |
| Amherst | MA | 01002 | 12.22.2011 | |
| City/Town | State | Zip Code | Date of Inspection | |
| | Property Address Karen Zwinakis: (Mail: 9 Cricket Owner's Name Amherst | Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 060 Owner's Name Amherst MA | Property Address Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070) Owner's Name Amherst MA 01002 | Property Address Karen Zwinakis: (Mail: 9 Cricket Lane, Simsbury Ct. 06070) Owner's Name Amherst MA 01002 12.22.2011 |

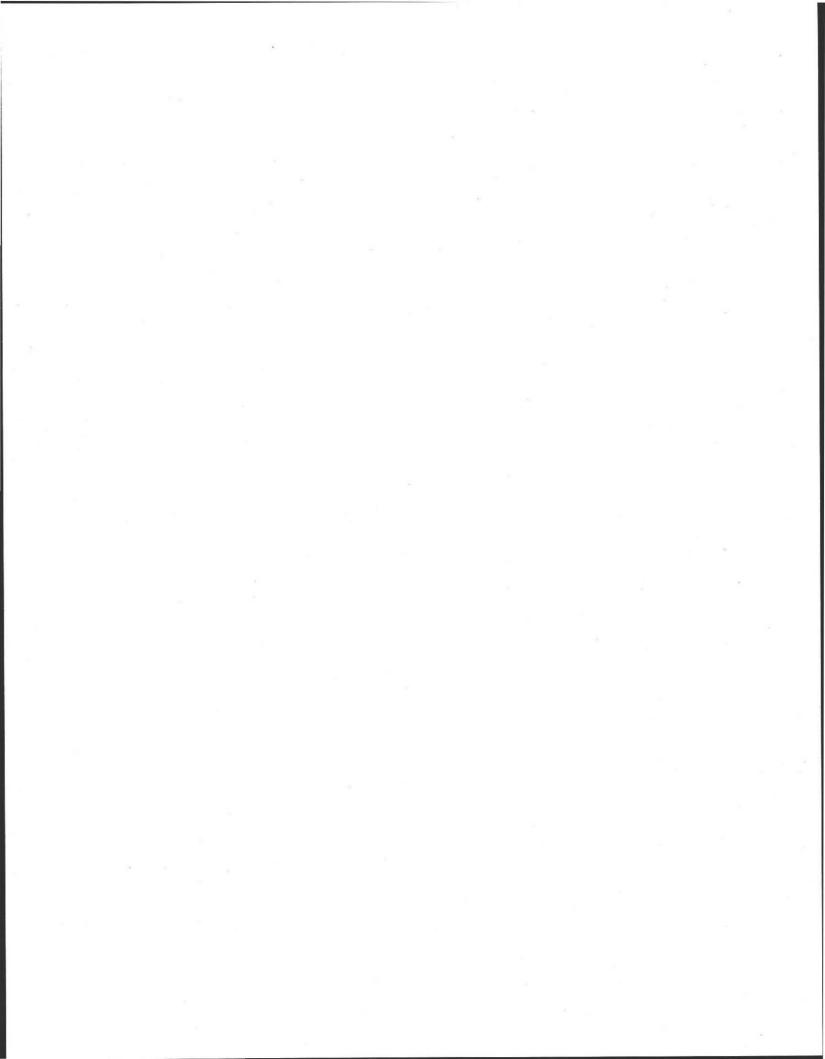
E. Report Completeness Checklist

Inspection Summary: A, B, C, D, or E checked

Inspection Summary D (System Failure Criteria Applicable to All Systems) completed

System Information – Estimated depth to high groundwater

Sketch of Sewage Disposal System either drawn on page 15 or attached in separate file





Owner information is required for every page.

Commonwealth of Massachusetts

Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

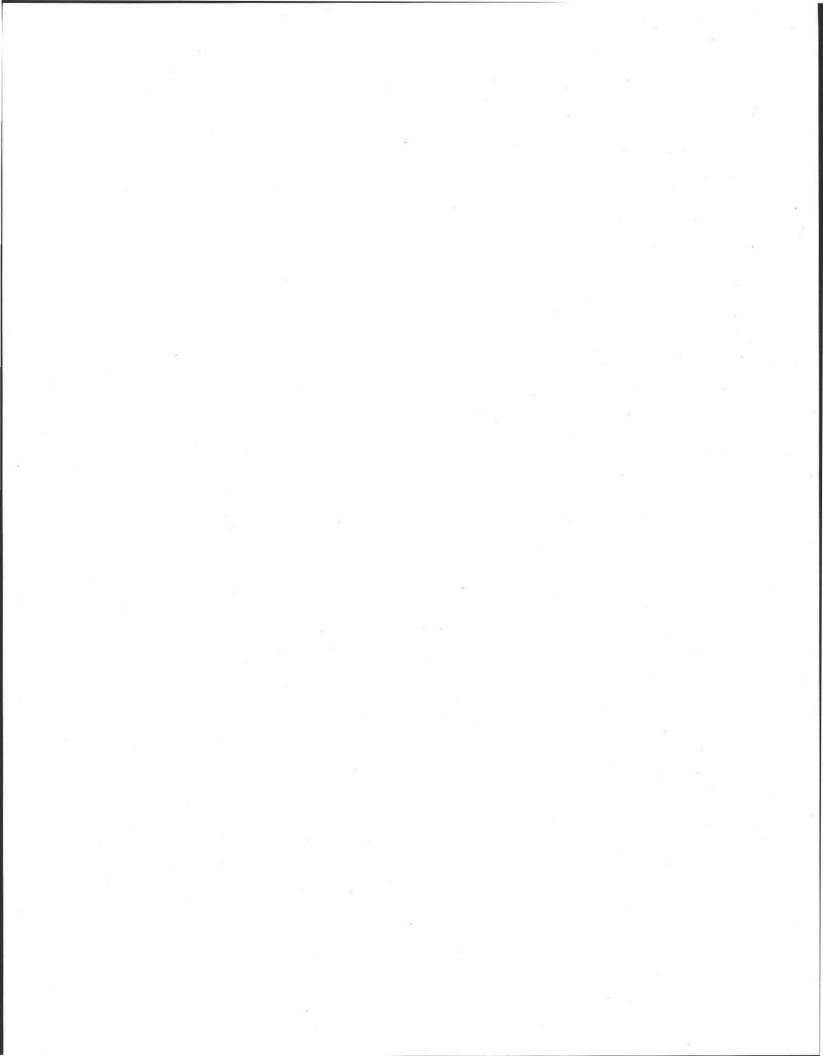
| 456 Sunderland Road, Amherst, Property Address | MU Y | and the forther years | |
|---|------------------------|-----------------------|--------------------|
| Karen Zwinakis: (Mail: 9 Cricket I | Lane, Simsbury Ct. 060 | 70) | |
| Owner's Name | | | |
| Amherst | MA | 01002 | 12.22.2011 |
| City/Town | State | Zip Code | Date of Inspection |

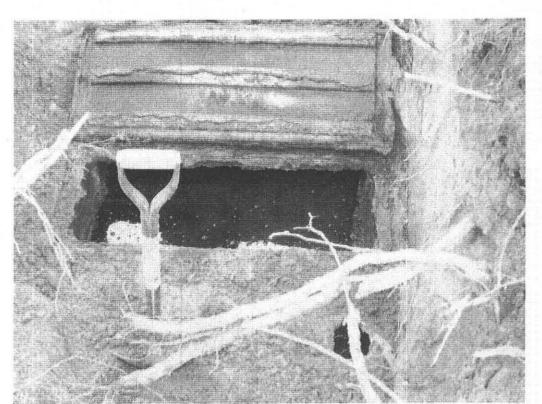
D. System Information (cont.)

Sketch Of Sewage Disposal System: Provide a view 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. Check one of the boxes below:

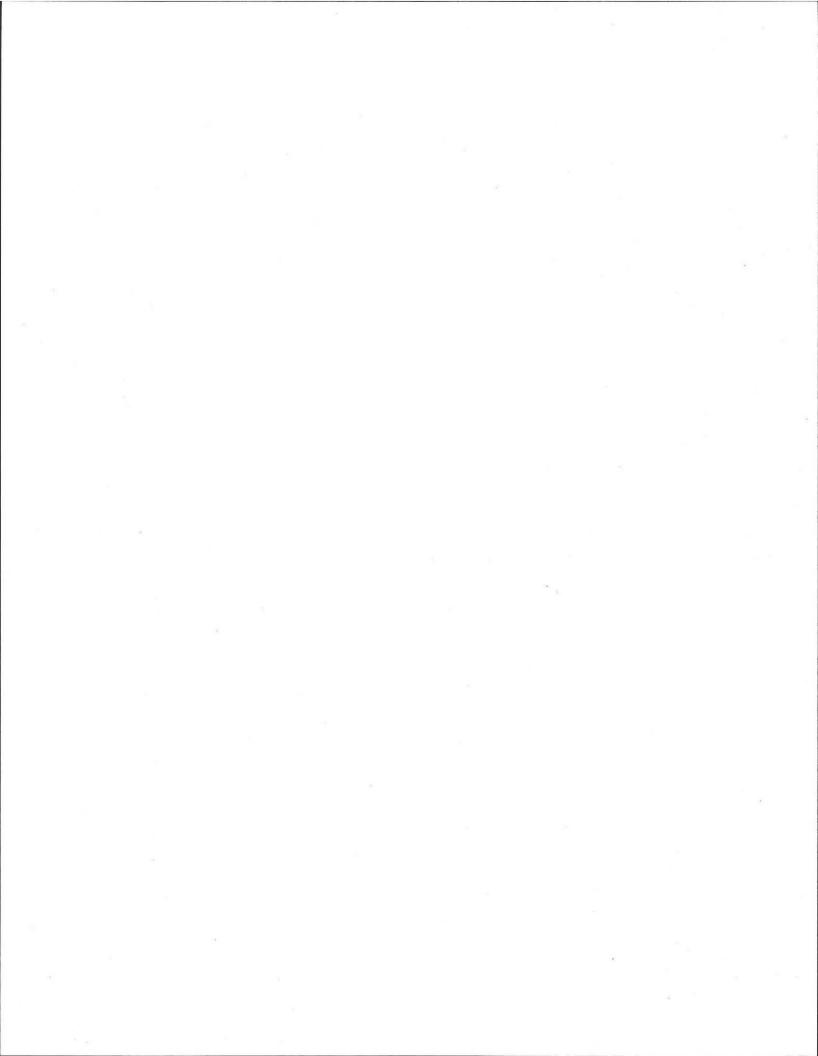
☐ hand-sketch in the area below
 ☑ drawing attached separately

(Rte 116) 1) \$ ١ V C \$2 Lesch Area Slope Pond





Arc Type Septic Tank 456 Sunderland Road Amherst, MA 12.22.2011





Failed Leach Area (Ponding in Stone) 456 Sunderland Road Amherst, MA 12.22.2011

