

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: 203 Middle St
Amherst, Ma
 Owner's Name: Jeff Haycock
 Owner's Address: Examined
 Date of Inspection: 11/16/01

Name of Inspector: (please print) Pamela / Cary Bissell
 Company Name: Affordable Home and Septic Inspections Inc
 Mailing Address: 51 Laurel St.
Holyoke Ma. 01040
 Telephone Number: 413-532-8600

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

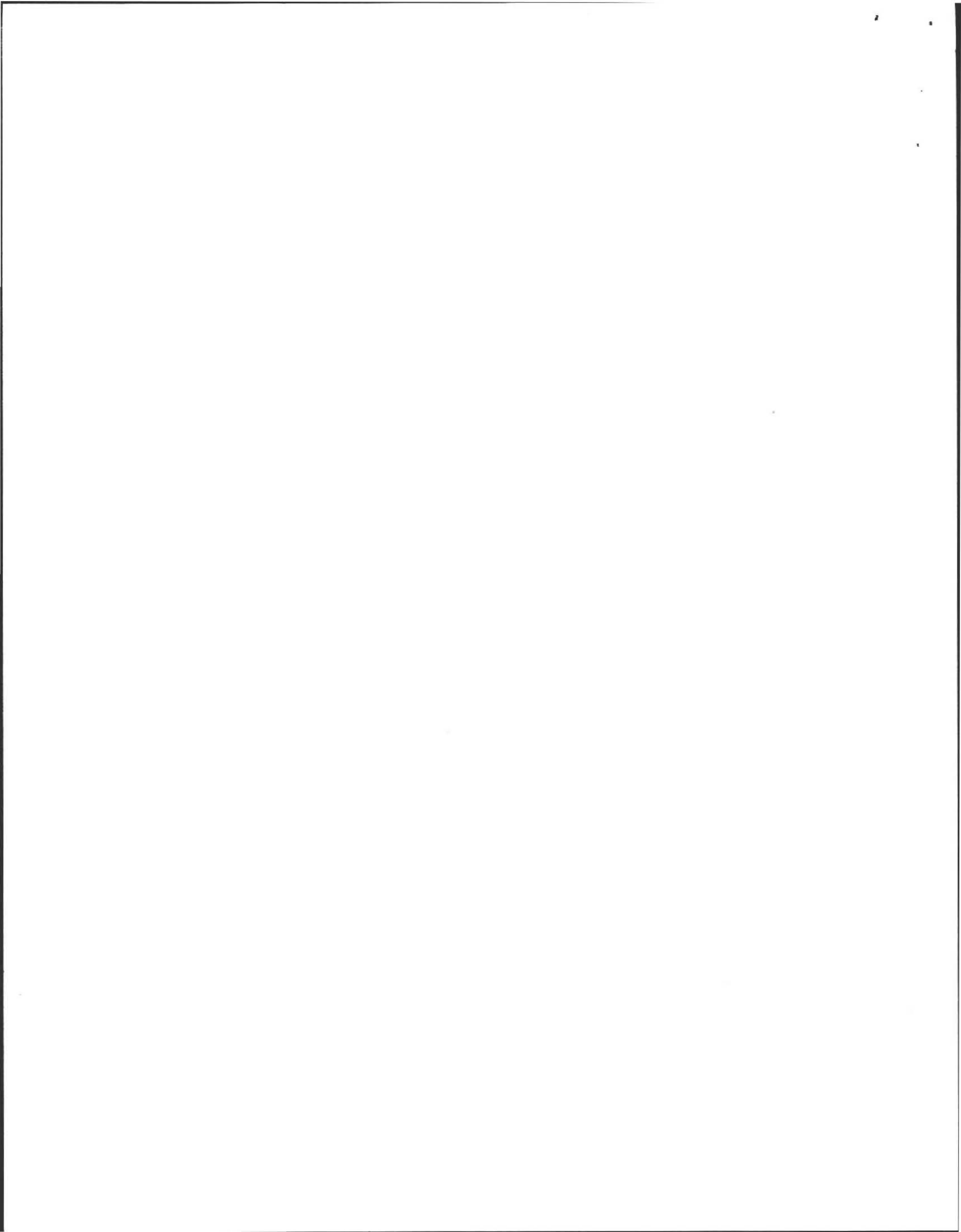
Inspector's Signature: Cary Bissell Date: 11/21/01

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

*Was a Conditional Pass;
 Cover to septic tank replaced. System
 now in compliance.*

****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.





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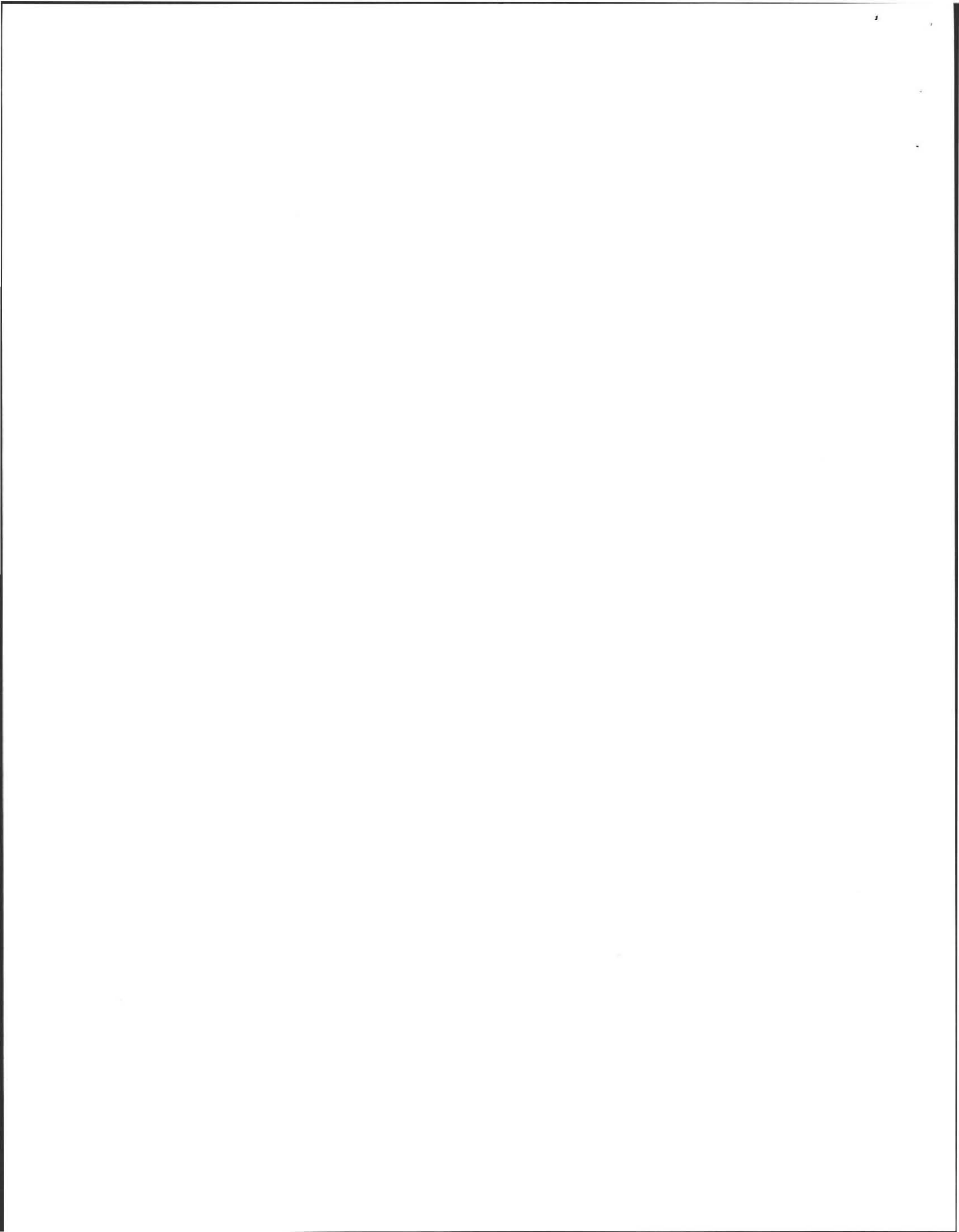
- Passes
- Conditionally Passes
- Needs Further Evaluation by the Local Approving Authority
- Fails

Inspector's Signature: Cary Bissell Date: 11/16/01

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Notes and Comments: Conditional Pass;
Septic tank center cover broken - needs new cover

****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: 202 Middle St
Amherst, MA
Owner: Haycock
Date of Inspection: 11/16/01

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:

Yes 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.

Yes 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.

Septic Tank center cover needs replacement

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):

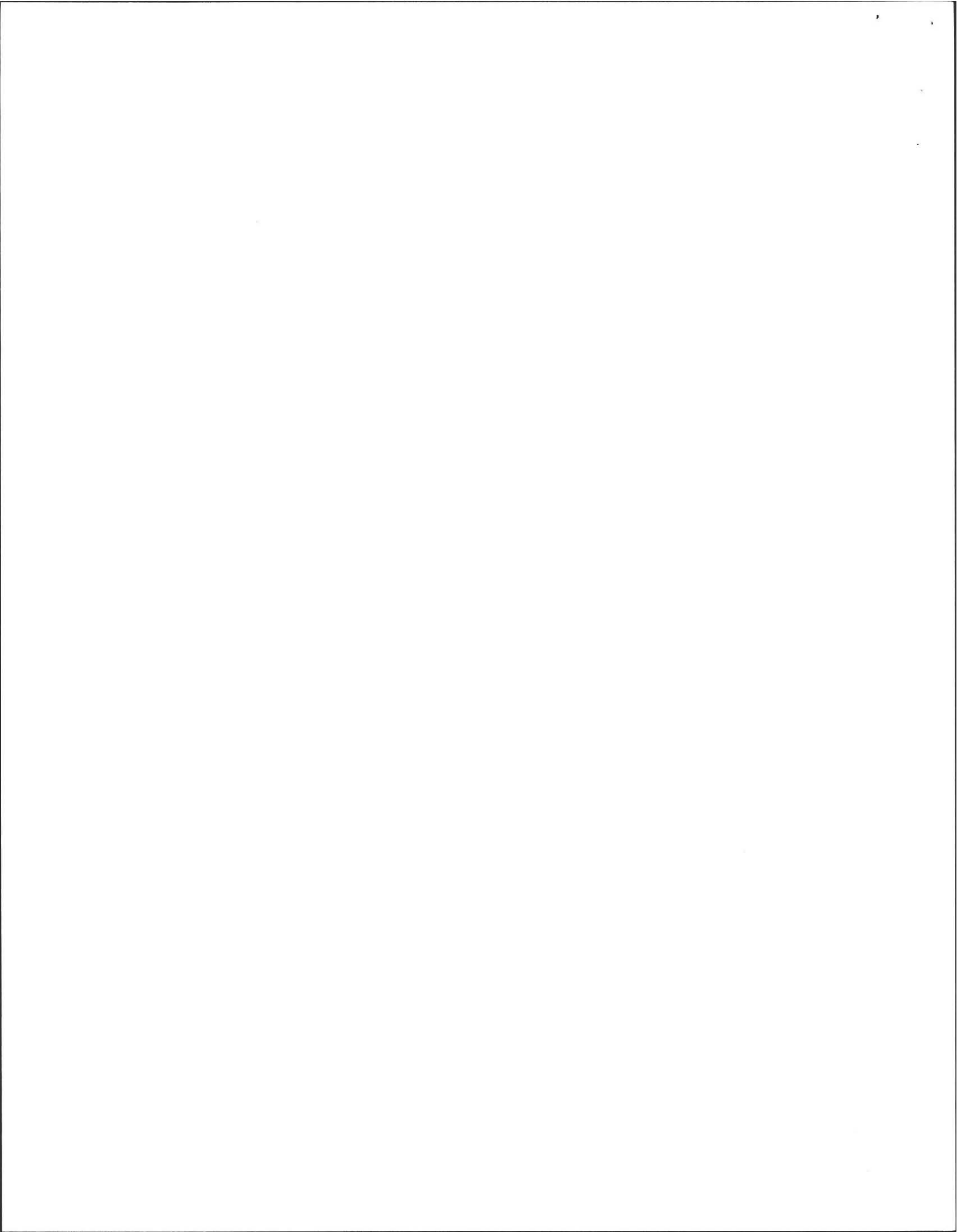
- broken pipe(s) are replaced
- obstruction is removed
- distribution box is leveled or replaced

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: 203 Middle St

Amherst, Ma

Owner: Haycock

Date of Inspection: 11/16/01

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:

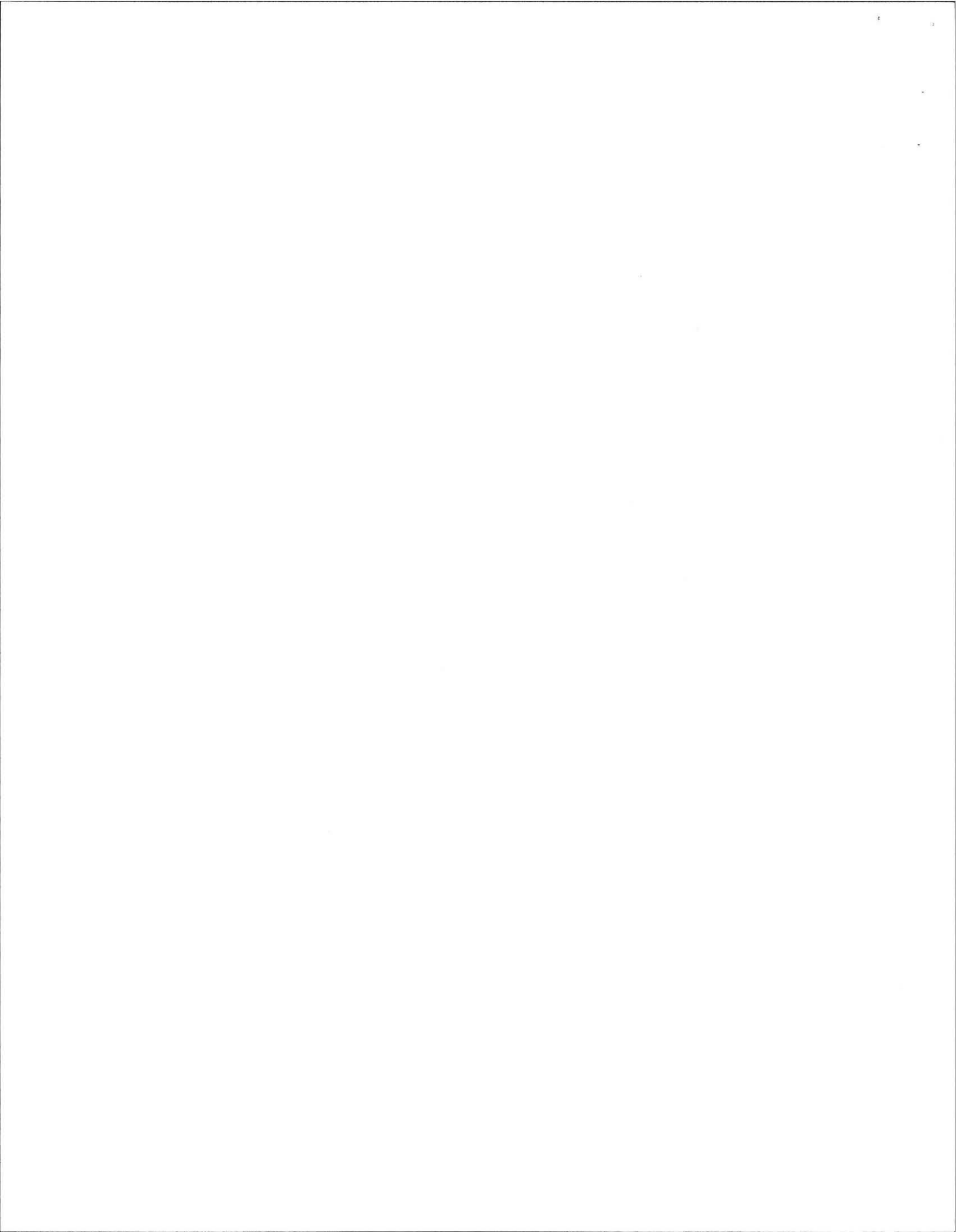
- ___ Cesspool or privy is within 50 feet of a surface water
- ___ Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh

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: 203 Middle St
Amherst, Ma
Owner: Kayack
Date of Inspection: 11/16/01

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

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool |
| <input type="checkbox"/> | <input type="checkbox"/> | Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool |
| <input type="checkbox"/> | <input type="checkbox"/> | Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool |
| <input type="checkbox"/> | <input type="checkbox"/> | Liquid depth in cesspool is less than 6" below invert or available volume is less than 1/2 day flow |
| <input type="checkbox"/> | <input type="checkbox"/> | Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped <u> </u> |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of the SAS, cesspool or privy is below high ground water elevation. |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply. |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of a cesspool or privy is within a Zone 1 of a public well. |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of a cesspool or privy is within 50 feet of a private water supply well. |
| <input type="checkbox"/> | <input type="checkbox"/> | 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.] |

(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.

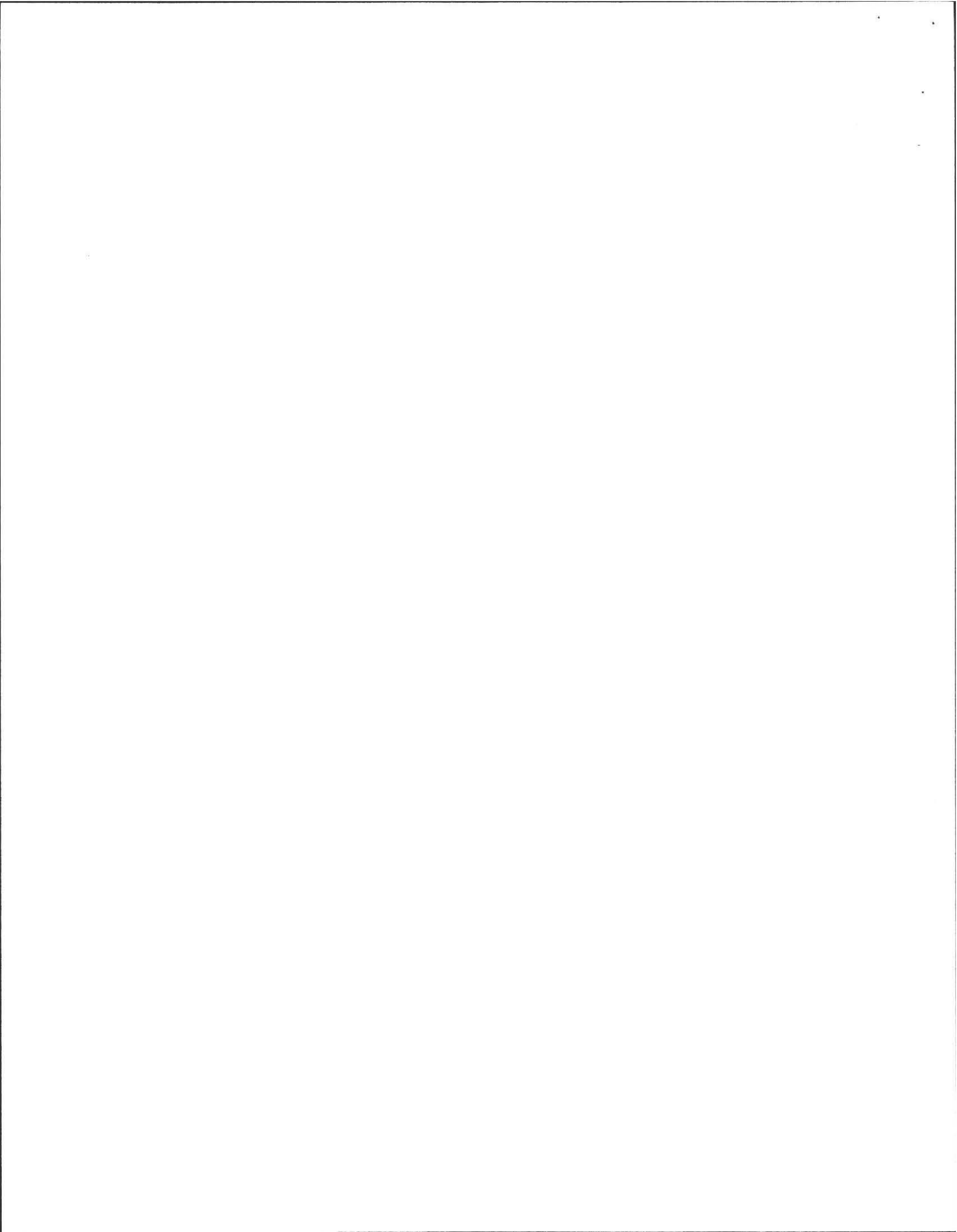
E. Large Systems:

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 | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | the system is within 400 feet of a surface drinking water supply |
| <input type="checkbox"/> | <input type="checkbox"/> | the system is within 200 feet of a tributary to a surface drinking water supply |
| <input type="checkbox"/> | <input type="checkbox"/> | 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**

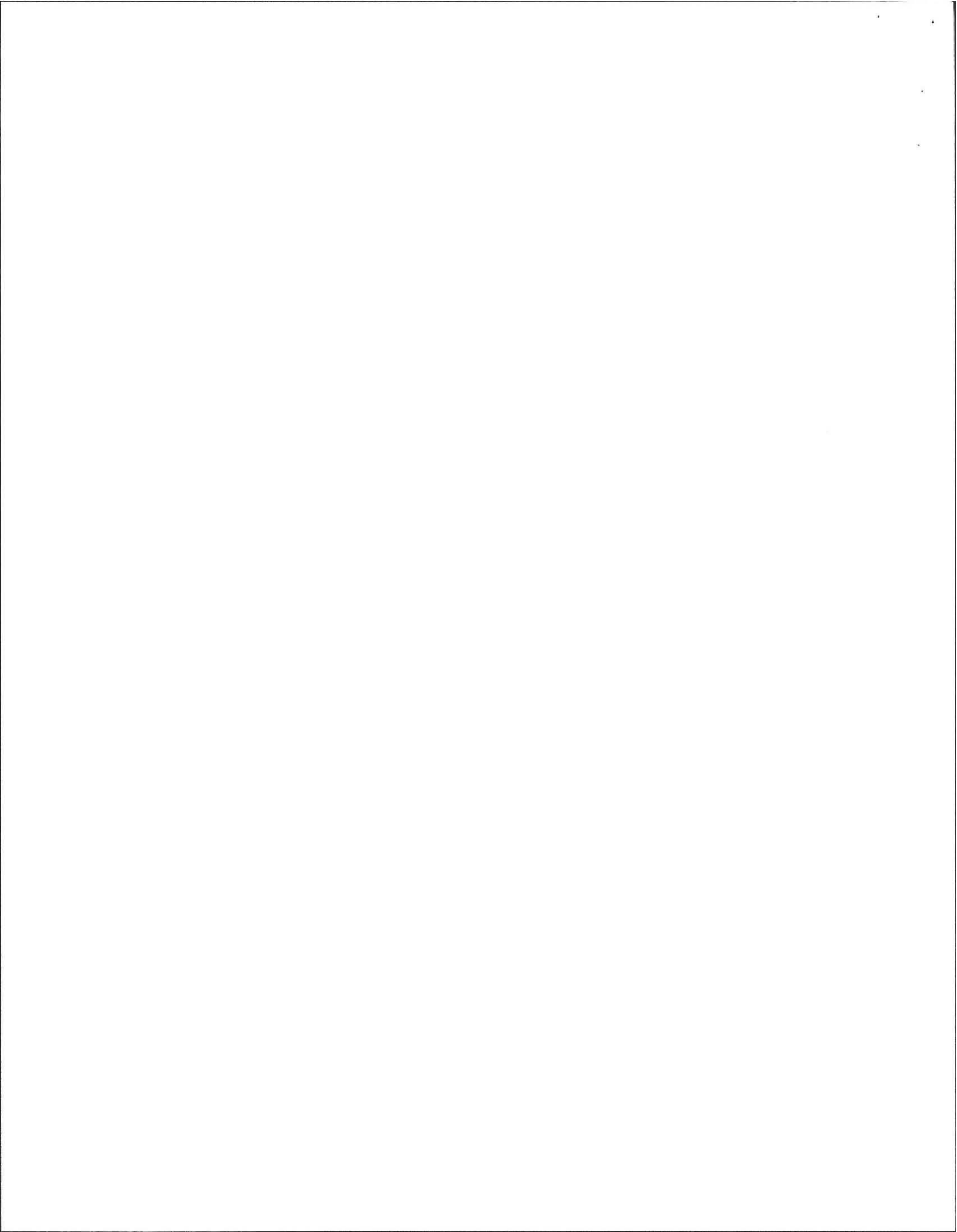
Property Address: 203 Middle St
Amherst, Ma
Owner: Haycock
Date of Inspection: 11/16/01

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

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Pumping information was provided by the owner, occupant, or Board of Health |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were any of the system components pumped out in the previous two weeks ? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Has the system received normal flows in the previous two week period ? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Have large volumes of water been introduced to the system recently or as part of this inspection ? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Were as built plans of the system obtained and examined? (If they were not available note as N/A) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Was the facility or dwelling inspected for signs of sewage back up ? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Was the site inspected for signs of break out ? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Were all system components, excluding the SAS, located on site ? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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 ? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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 | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Existing information. For example, a plan at the Board of Health. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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: 203 Middle St
Ambaret, Ma
Owner: Haycock
Date of Inspection: 11/16/01

FLOW CONDITIONS

RESIDENTIAL

Number of bedrooms (design): 3 Number of bedrooms (actual): 3
DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): 330
Number of current residents: 3
Does residence have a garbage grinder (yes or no): No
Is laundry on a separate sewage system (yes or no): No [if yes separate inspection required]
Laundry system inspected (yes or no): N/A
Seasonal use: (yes or no): No
Water meter readings, if available (last 2 years usage (gpd)): Town Water
Sump pump (yes or no): No
Last date of occupancy: Presently

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

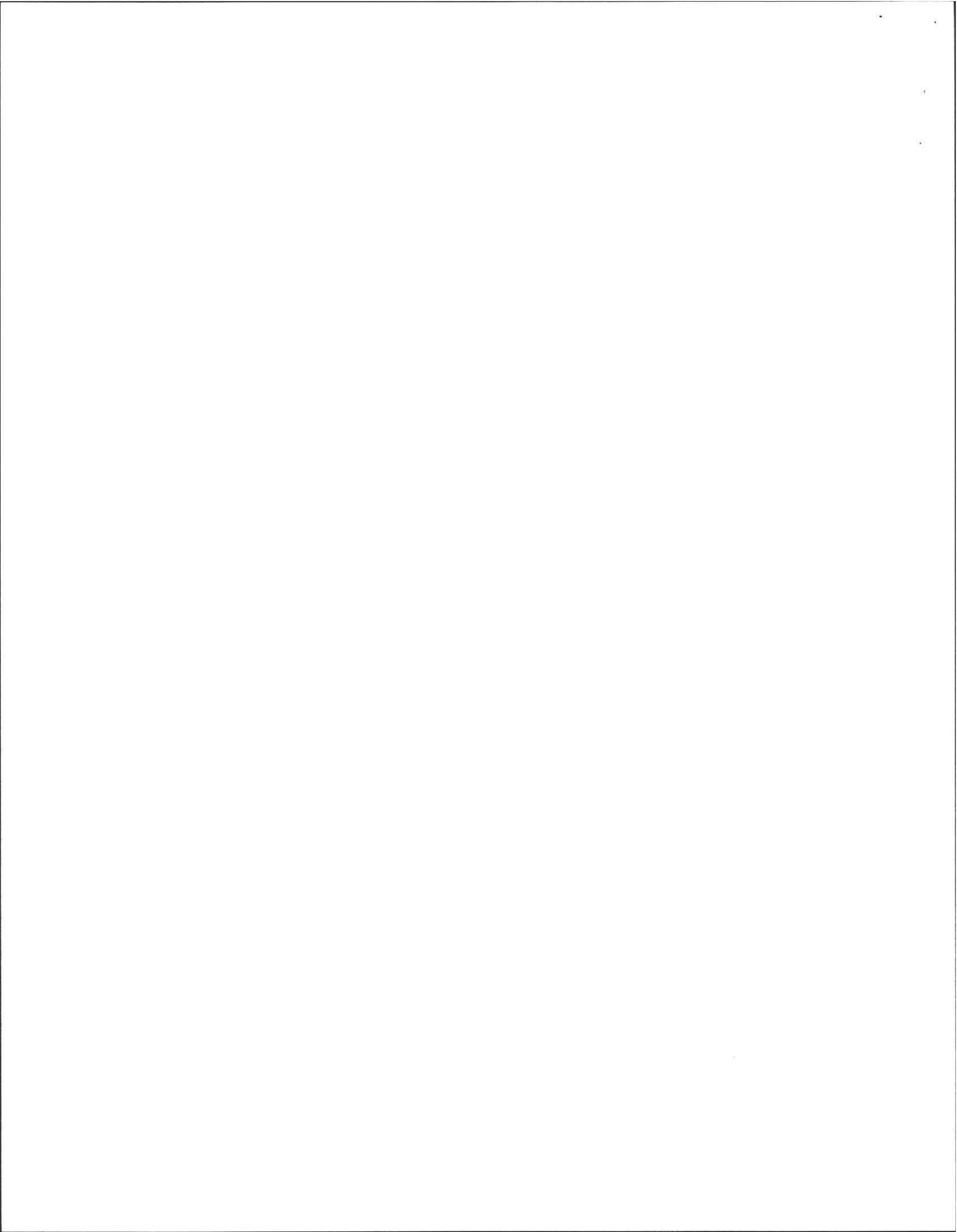
Source of information: 2000
Was system pumped as part of the inspection (yes or no): No
If yes, volume pumped: _____ gallons -- How was quantity pumped determined? _____
Reason for pumping: _____

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:
1997

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: 2003 Middle St
Andover, Ma
Owner: Haycock
Date of Inspection: 11/16/01

BUILDING SEWER (locate on site plan)

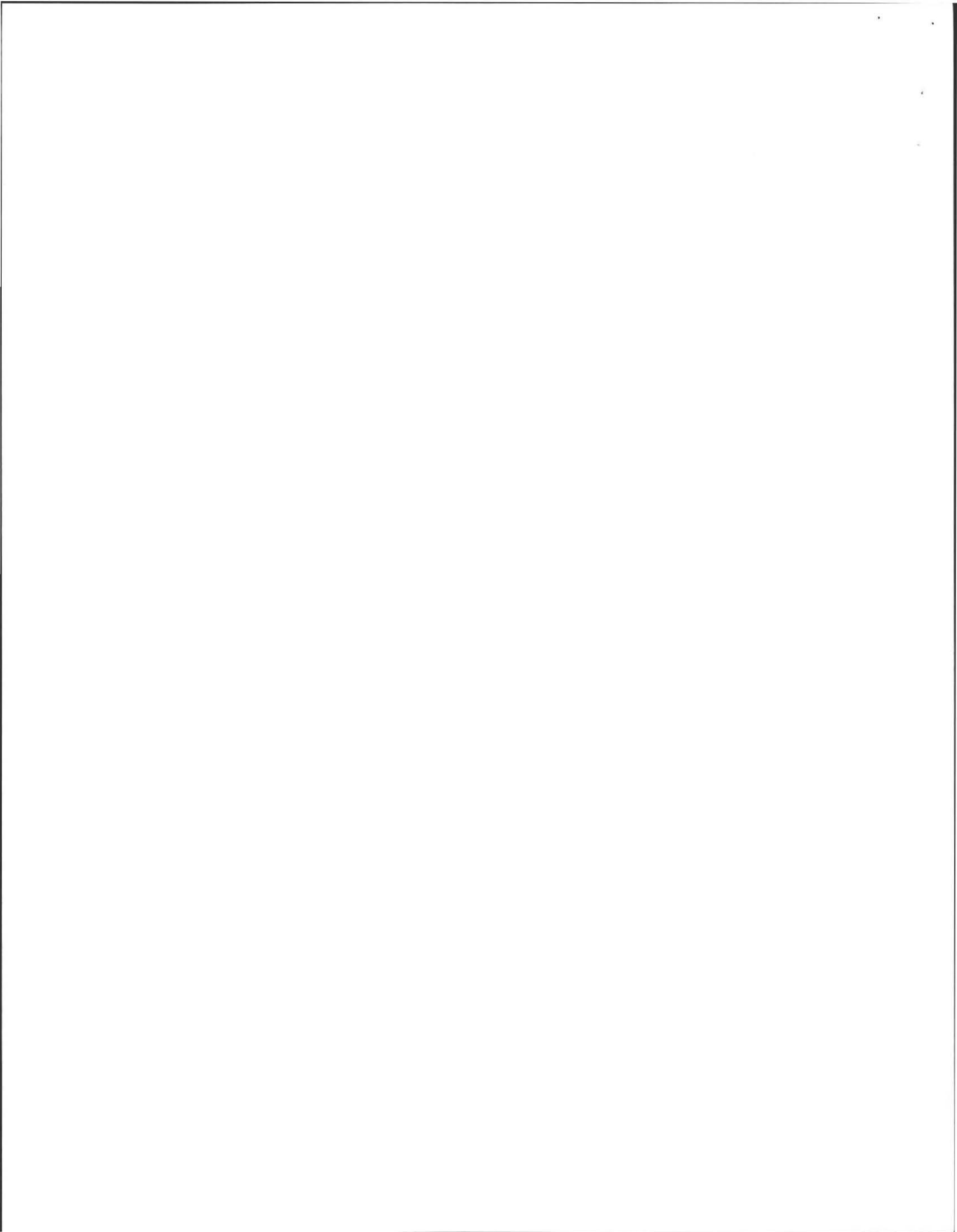
Depth below grade: 3 1/2'
Materials of construction: cast iron 40 PVC other (explain): _____
Distance from private water supply well or suction line: N/A
Comments (on condition of joints, venting, evidence of leakage, etc.):

SEPTIC TANK: P (locate on site plan)

Depth below grade: 2.5'
Material of construction: 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 25
Sludge depth: 1"
Distance from top of sludge to bottom of outlet tee or baffle: 29"
Scum thickness: 0"
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: 22"
How were dimensions determined: Sludge Judge; Tape
Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):
Septic Tank appears sound. Plastic tees intact.
No signs of exfiltration

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: 209 Middle St
Amherst, Ma
Owner: Haycock
Date of Inspection: 11/16/01

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):

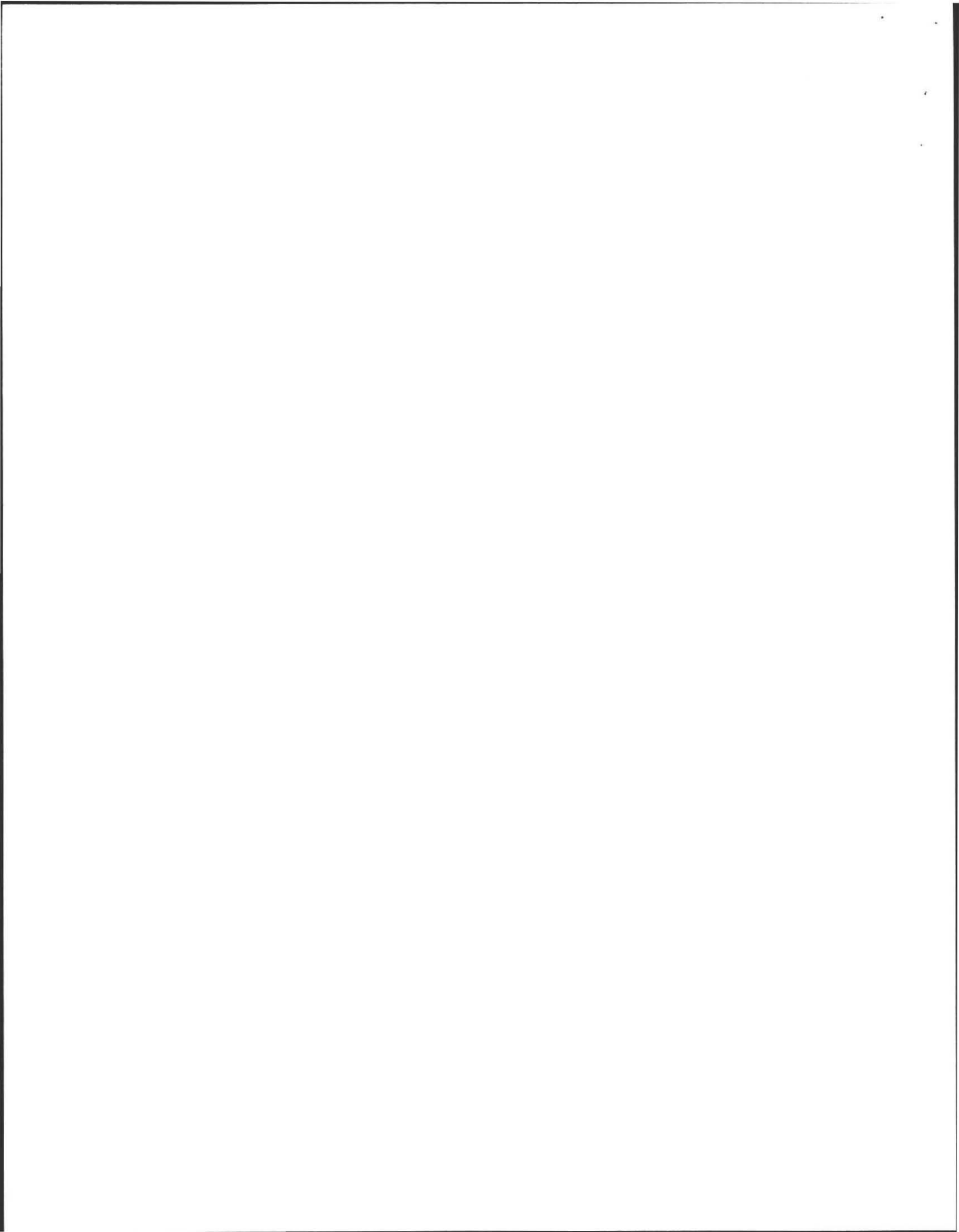
Dimensions:
Capacity: gallons
Design Flow: gallons/day
Alarm present (yes or no):
Alarm level: Alarm in working order (yes or no):
Date of last pumping:
Comments (condition of alarm and float switches, etc.):

DISTRIBUTION BOX: P (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 intact. 3 outlet lines, knockouts intact

PUMP CHAMBER: P (locate on site plan)

Pumps in working order (yes or no): Yes
Alarms in working order (yes or no): Yes
Comments (note condition of pump chamber, condition of pumps and appurtenances, etc.):
Pump chamber intact. Float / Pump operable



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

Property Address: 205 Middle St
Andover, Ma
Owner: Haycock
Date of Inspection: 11/16/01

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:
- 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.):

Three leach lines, No signs of SAS Failure, No breakout present. Rounded system. Vent in place.

CESSPOOLS: (cesspool must be pumped as part of inspection)(locate on site plan)

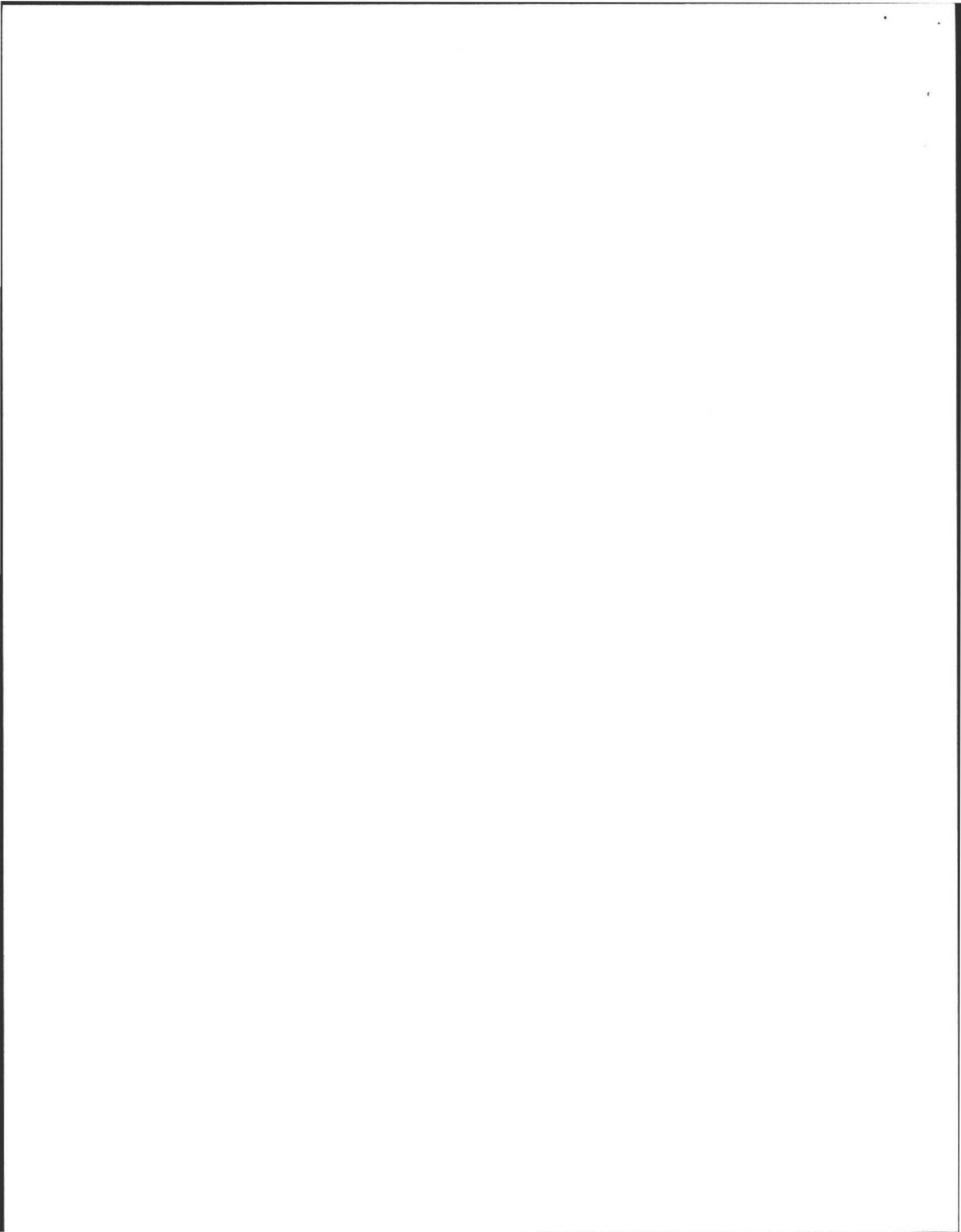
- Number and configuration:
- Depth – top of liquid to inlet invert:
- Depth of solids layer:
- Depth of scum layer:
- Dimensions of cesspool:
- Materials of construction:
- Indication of groundwater inflow (yes or no):

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.):

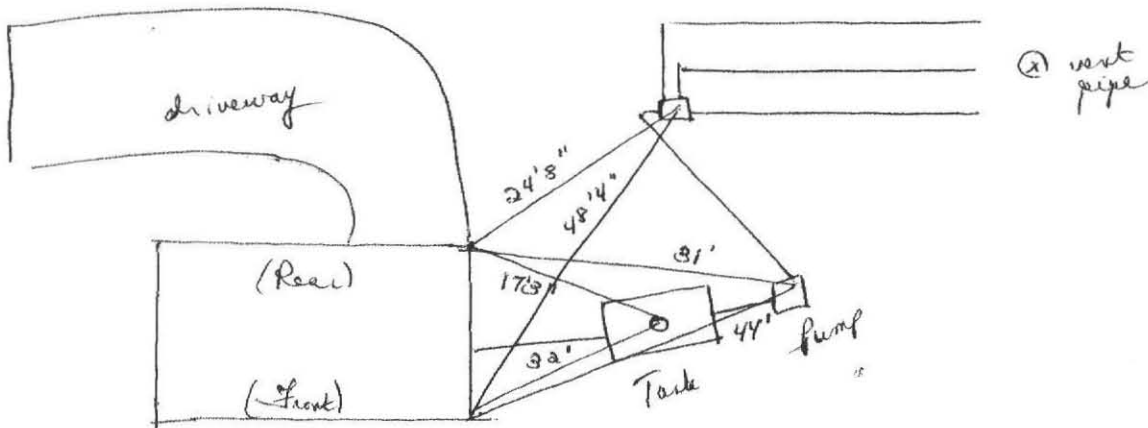


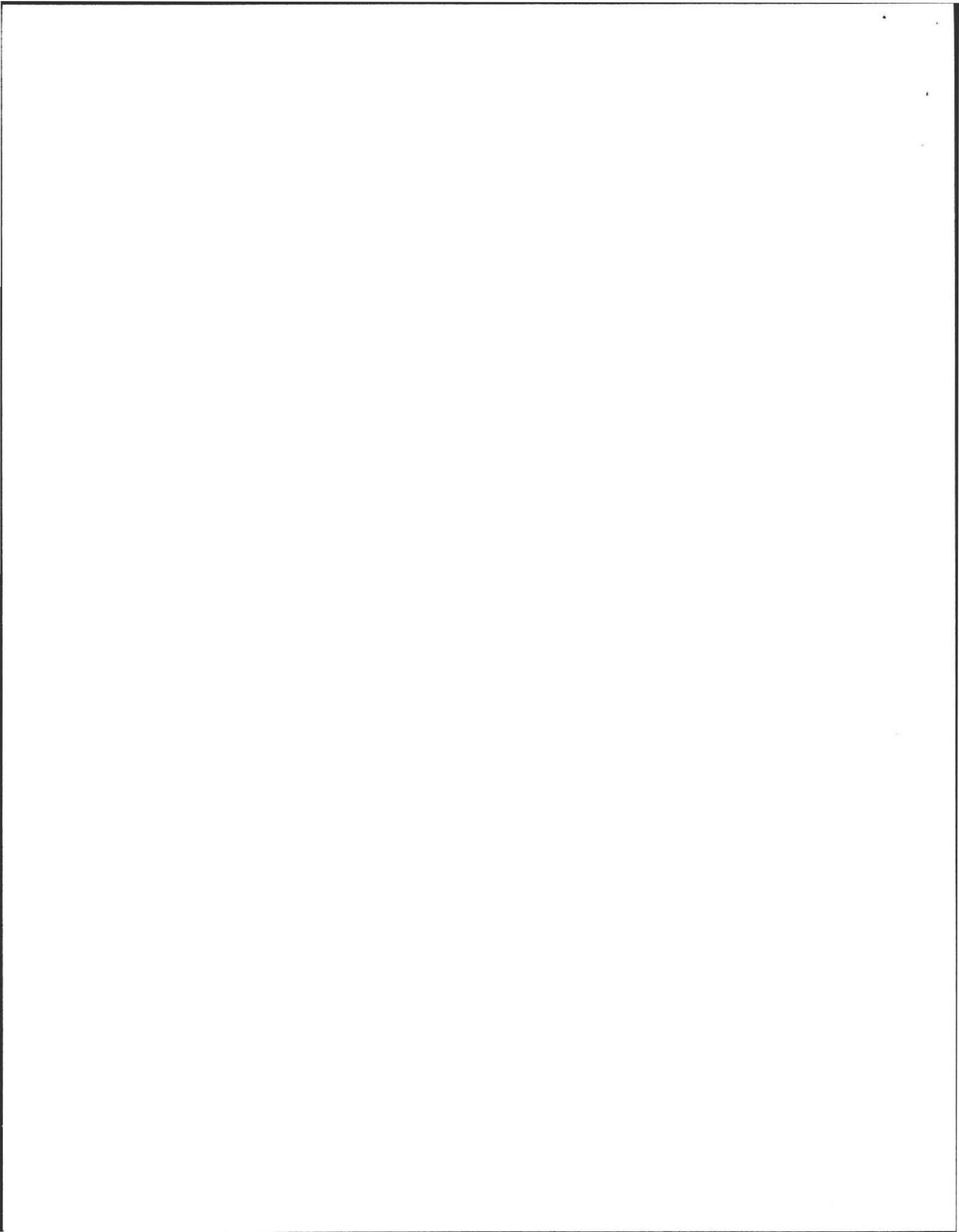
OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM
PART C
SYSTEM INFORMATION (continued)

Property Address: 303 Middle St
Andover, Ma
Owner: Haycock
Date of Inspection: 11/16/01

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.





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

Property Address: 203 Middle St
Amherst, Ma
Owner: Haycock
Date of Inspection: 11/16/01

SITE EXAM

- Slope
- Surface water
- Check cellar
- Shallow wells

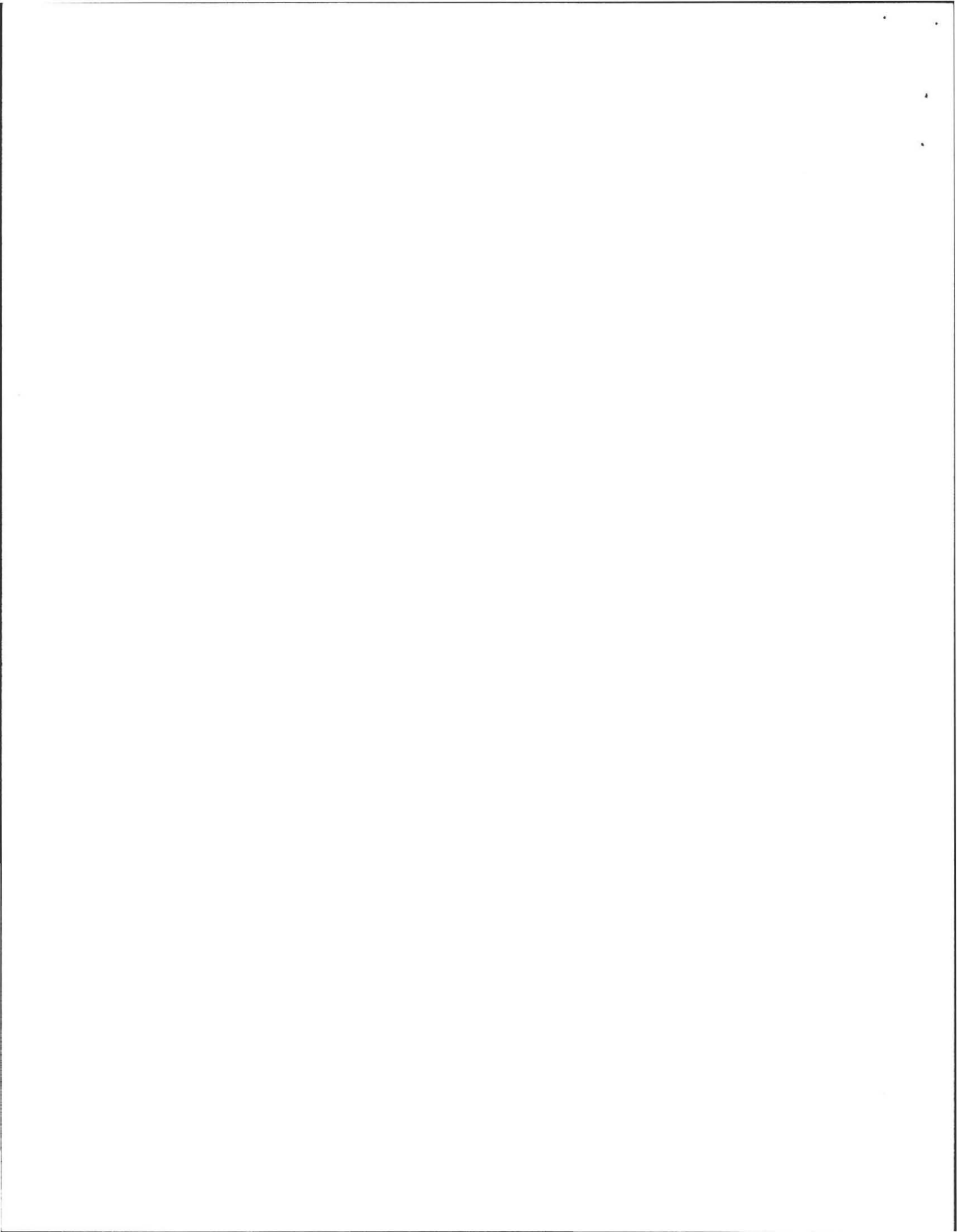
Estimated depth to ground water 35" feet

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

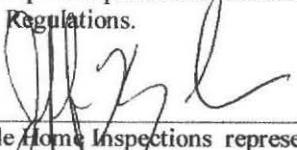
- Obtained from system design plans on record - If checked, date of design plan reviewed: _____
- Observed site (abutting property/observation hole within 150 feet of SAS)
- Checked with local Board of Health-explain: _____
- Checked with local excavators, installers- (attach documentation)
- Accessed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

You **must** describe how you established the **high ground water elevation**:

For design plan is on site evaluation
Moored system
3' variance had been approved.



Affordable Home Inspections
Title 5 Septic Inspection Evaluation Agreement

- I.) Affordable Home Inspections represented by Cary/Pamela Bissell as the septic inspectors has been contracted for:
- 1.) To inspect the property septic system located at 203 Middle St
Amherst
 - 2) By client Jeff Haycock
 - 3) for the fee of \$ 350⁰⁰ this fee represents the standard time schedule of three hours for the onsite inspection. Time exceeding this shall be charged at \$45.00 per hour. On site inspection commences at the time of arrival at the above address.
 - 4.) By your signature, it is understood that this inspection does not serve as a warranty implied or expressed. Nor any form of surety, and does not absolve the seller of any possible liability.
 - 5.) Further more it is understood that this inspection and the opinion contained within the report are performed and based upon the abilities, knowledge and experience of the named inspector regarding Title 5 Septic Inspections.
- II.) The Inspector Intends To:
- 1.) Visually inspect all major structural components of the septic system relative to Title 5 requirements.
 - 2.) Visually identify obvious, existing problems and where possible indicate areas of potential problems.
- III.) Inspector will not :
- 1) Make repairs, nor enter septic, nor be responsible for any damage to the septic system or property.
- IV,) Inspector is not a guarantor of the future life, adequacy or performance of the septic system.
- V,) Inspections are limited to visual defect and general appearance of the septic system and property at the time of the inspection.
- VI,) Neither the contents of this report nor any representations made herein are assignable without the expressed written consent of Affordable Home Inspections
- VII,) Affordable Home Inspections liability is limited to the cost of the inspection.
- VIV,) Septic inspection results are filed with the local Board of Health as required by Title V Regulations.
- Signed  Date 11/16/01
Affordable Home Inspections representative _____

