

No. 96-18

#388

FEE 160.00

THE COMMONWEALTH OF MASSACHUSETTS
AMHERST, MASSACHUSETTS

Application for Disposal System Construction Permit

Application is hereby made for a Permit to Construct () or Repair (X) an On-site Sewage Disposal System at:

Location Address or Lot No. <u>SAME</u>	Owner's Name, Address and Tel. No. <u>RUSSELL KOTFILA 253-7378</u> <u>388 MIDDLE ST</u> <u>AMHERST, MA 01002</u>
Installer's Name, Address, and Tel.No.	Designer's Name, Address and Tel. No. <u>413-665-7670</u> <u>DAVID E. KEATES</u> <u>102 RUSSELL ST</u> <u>SUNDERLAND, MA 01375</u>

Type of Building:
 Dwelling No. of Bedrooms 4 Garbage Grinder (NO)
 Other Type of Building _____ No. per Persons _____ Showers () Cafeteria ()
 Other Fixtures _____

Design Flow 1.25 x 440 = 550 gallons per day. **Calculated daily flow** _____ gallons.

Plan Date 10/19/96 Number of sheets 10 Revision Date _____
 Title SEWAGE DISPOSAL SYSTEM FOR RUSSELL KOTFILA

Description of Soil See logs sheets 4 & 5 of 17

Nature of Repairs or Alterations (Answer when applicable):
Request waiver for a 4' separation to E-S.H.W.T.
& bottom of field for perc. < 2.0 min/in.
Silo has town water

Agreement:
 The undersigned agrees to ensure the construction and maintenance of the aforescribed on-site sewage disposal system in accordance with the provisions of Title 5 of the Environmental Code and not to place the system in operation until a Certificate of Compliance has been issued by this Board of Health.

Signed R. B. Kotfila Date 10/21/96

Application Approved by _____ Date _____
 Application Disapproved for the following reasons _____

Permit No. 96-15 Date Issued _____

THE COMMONWEALTH OF MASSACHUSETTS
Amherst, MASSACHUSETTS

Certificate of Compliance

THIS IS TO CERTIFY, that the On-site Sewage Disposal System installed () or repaired/replaced () on _____
 by _____ for _____
 at 388 Middle Street has been constructed in
 accordance with the provisions of Title 5 and the for Disposal System Construction Permit No. 96-15 dated
 _____. Use of this system is conditioned on compliance with the provisions set forth below:

The issuance of this certificate shall not be construed as a guarantee that the system will function as designed. This Certificate expires on 6/20/97
 DATE _____ Inspector David E. Keates

THE COMMONWEALTH OF MASSACHUSETTS
Amherst, MASSACHUSETTS

Disposal System Construction Permit

No. 96-15 FEE 160.00

Permission is hereby granted to Russell Kotfila
 to construct () or repair () an On-site Sewage System located at 388 Middle St
Amherst, Mass

and as described in the above Application for Disposal System Construction Permit. The applicant recognizes his/her duty to comply with Title 5 and the following local provisions or special conditions.

All construction must be completed within three years of the date below.
 DATE 11-4-96 Approved by David Panzanati for

FORM 1255 Rev. 3/95 A.M. SULKIN CO. - BOSTON, MA
VARIANCE Approved BY Telephone: 703
1) SAM 10-31-96 2) FRANK - 11-4-96 3) MARISELA - 11-4-96
11-5-96 UAL-04

David E. Keates
10/19/96

Application for Electrical System Construction Permit

Application is hereby made for a permit to construct the following electrical system:

Location of System	225 W. Main St., Mamherst, Mass.
Owner's Name	Mr. J. H. Smith
Address	225 W. Main St., Mamherst, Mass.
Telephone	225-1234

Type of Building: Office Building
No. of Buildings: 1
Type of Building: Office Building
Other: _____
Area: _____

Date: 10/15/55
The system to be installed is: 225 W. Main St., Mamherst, Mass.
Destination of Soil: _____

Name of Applicant: J. H. Smith
Address: 225 W. Main St., Mamherst, Mass.
Telephone: 225-1234

The undersigned certifies that the above information is true and correct to the best of his knowledge and belief, and that he is the owner of the premises on which the system is to be installed.

Application Approved by: _____
Application Disapproved for the following reasons: _____

Permit Fee: _____
This permit is valid for _____

Certificate of Compliance

THIS IS TO CERTIFY that the system described herein complies with the provisions of the Electrical Code of the Commonwealth of Massachusetts, Chapter 52B, and the rules and regulations of the Board of Electrical Safety, and that the same has been inspected and found to conform with the provisions of said Code and rules and regulations.

The issuance of this certificate shall not be construed as a guarantee that the system will function as designed. The contractor is responsible for the proper installation and maintenance of the system.

Electrical System Construction Permit

This permit is hereby granted to _____ for the construction of an electrical system as described in the above application, subject to the conditions set forth herein.

All construction shall be completed within three years of the date hereof.

Town of



AMHERST

Massachusetts

TOWN HALL
4 BOLTWOOD AVENUE
AMHERST, MA. 01002-2351

INSPECTION SERVICES DEPARTMENT
Phone (413) 256-4030

October 29, 1996

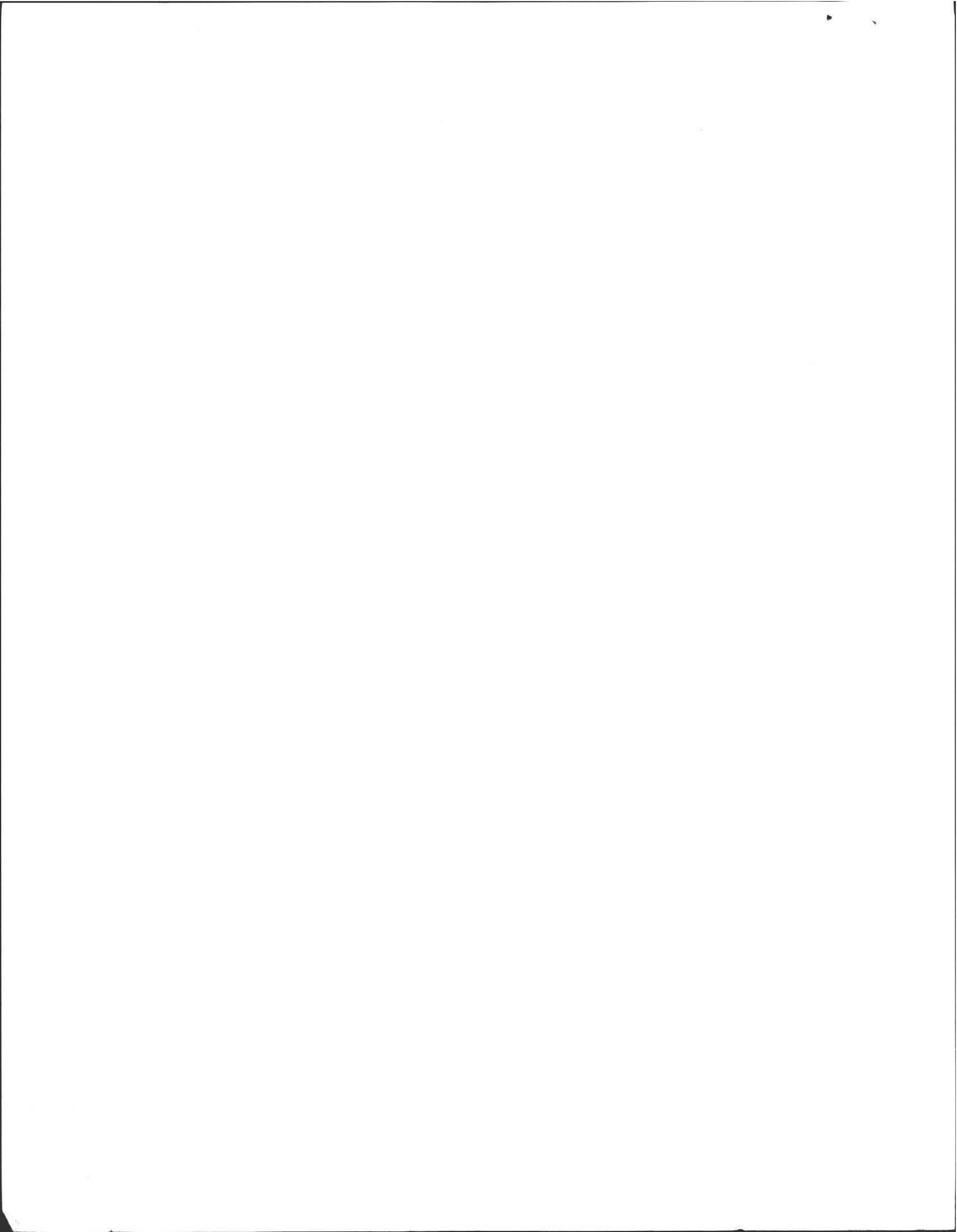
To: Board of Health Members

From: David Zarozinski, Sanitarian

Re: Variance request for a failed septic system at 388 Middle Street Amherst, Massachusetts.

Mr. and Mrs. Russell Kotfila of 388 Middle Street Amherst Mass. are requesting a variance to Title V Regulation 15.212 (b) DEPTH To Ground Water. (copy enclosed)

On October 2, 1996 Mr. David Keates, Civil Engineer conducted a percolation test at this site. The perc test witnessed by me had a rate of less than two (2) minutes per inch with a ground water at (38) thirty - eight inches. The new regulation of a five (5) foot separation would not allow the engineer to meet the side slope requirements. The waiver would allow a four (4) foot separation to the water table and the system will meet the Town requirement of twenty - five percent larger than required by the State. Also, town water is available. Therefore, I would support this request.



To: Amherst B.O.H.

10/24/96

att. David Zaroyenski

Town Hall

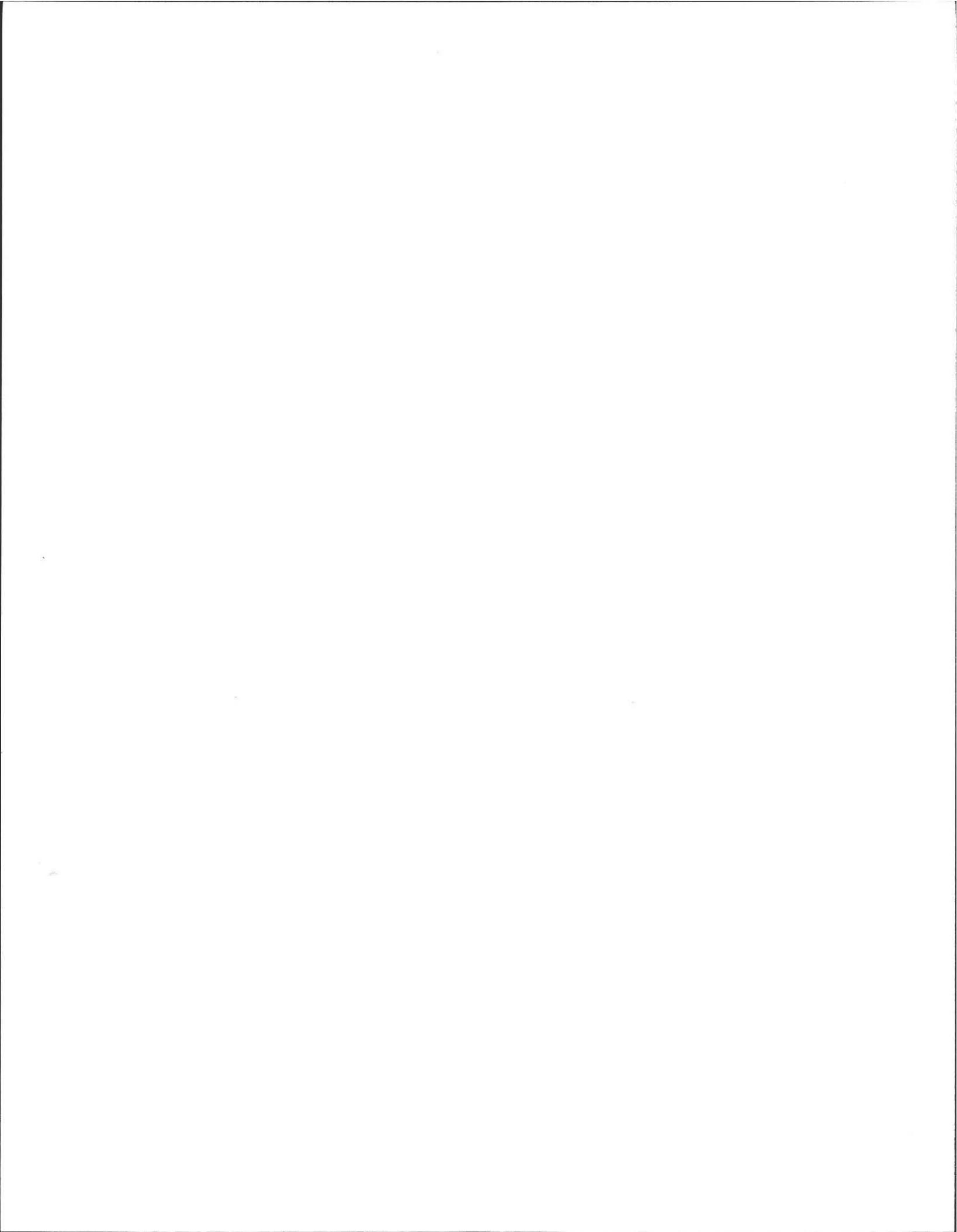
4 Boetwood Ave

Amherst, MA 01002-2351

RE: Russell Koffler
Septic System
~~308~~ Middle St
Amherst, MA

Request waiver of 5' separation to water table for perc < 2 in/in. 4.0' provided. 5' separation would result in too much fill and side slope distances could not be met due to site constraints. Site has Town water. Majority of treatment is provided in the first 2 feet in a sand fill system.

David E. Keates



To: Amherst B.C.H.

10/24/96

Attn: David Zaroyzinski

Town Hall

4 Boetwood Ave

Amherst, MA 01002-2351

RE: Russell Keates

Septic System

508 Middle St

Amherst, MA

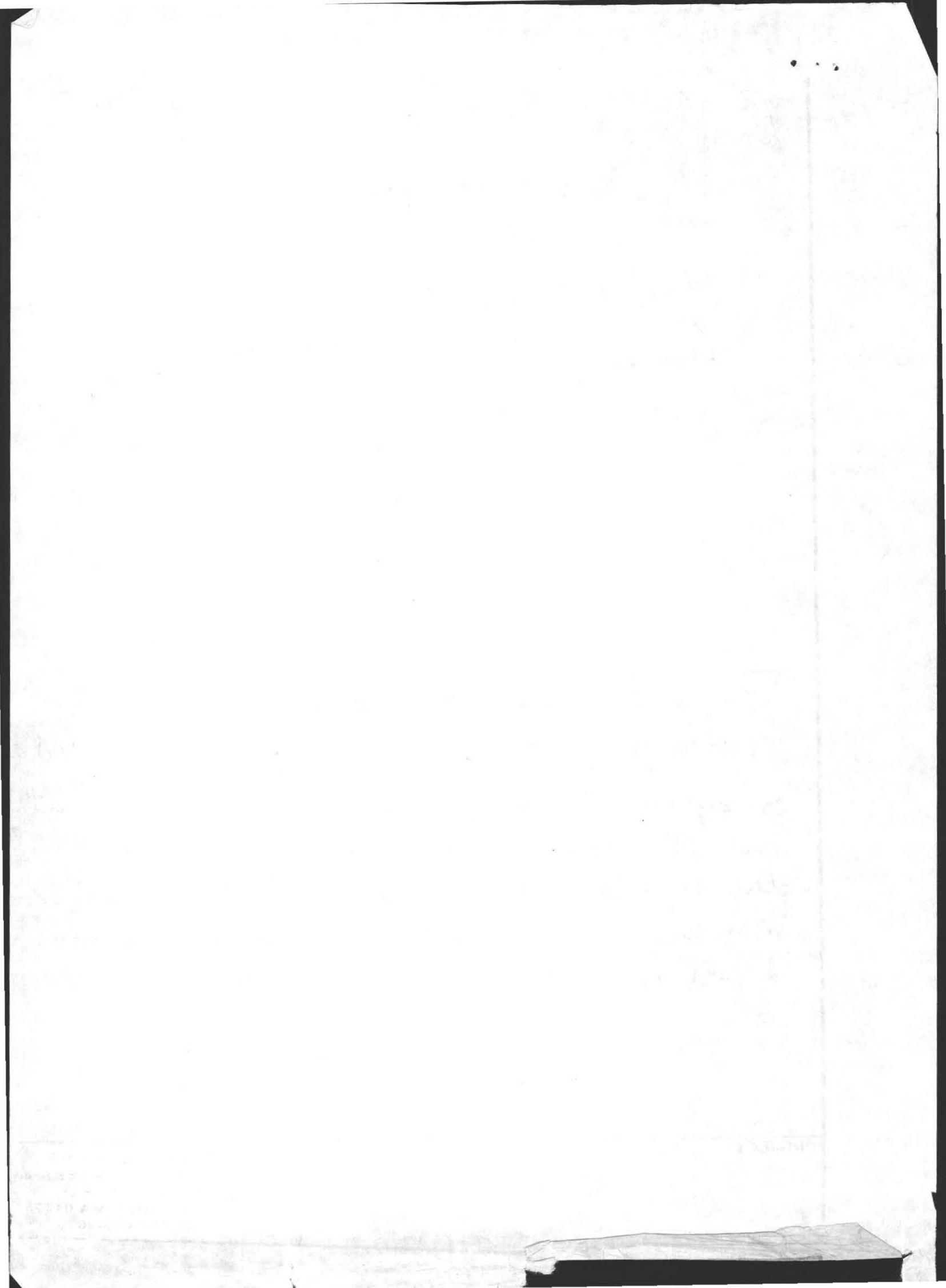
Request was for a 5' separation to water table for perc < 2 in/in. 4' 0" provided. 5' separation would result in sand fill and side slope distances could not be met due to site constraints. Site has Town water. Majority of treatment is provided in the first 2 feet in a sand fill system.

David E. Keates

PROJECT

Sheet of

David E. Keates, P.E.
Consulting Civil Engineer
102 Russell Street
Sunderland, MA 01375
Tel: 413-665-7670



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

Property Address: ~~288~~ Middle St. Amherst, MA

Owner's Name: Marina Jaffe
Owner's Address: 288 Middle Street
Amherst, MA 01002

388

COPY

Date of Inspection: July 07, 2003 (Revised)

Name of Inspector: Alan E. Weiss, R.S # 933
Company Name: Cold Spring Environmental Inc.
Mailing Address: 350 Old Enfield Road
Belchertown, Massachusetts 01007
Telephone Number: (413) 323-5957 fax: 413-323-4916

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:  Date: **July 02 & 07, 2003**

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:

Septic Tank & leaching area was in good condition upon inspection. D Box was found level and functional. Pump/Pump Chamber operation was repaired by plumber. Inspections found, all levels/stains & baffles were ok. We found septic system be operational per 1996 plans. System is 7+/- years old. Note: An alarm is recommended on the pump chamber . Sewer is located in Street.

****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 different conditions of use.

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

Property Address: 288 Middle ST.

Owner: Jaffe

Date of Inspection: 7/2/03

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

A. System Passes:

YES I have not found any information which indicates that any of the failure criteria described in 310 CMR 16.303 or in 310 CMR 15.304 exist. Any failure criteria not evaluated are indicated below.

Comments:

B. System Conditionally Passes:

No 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):

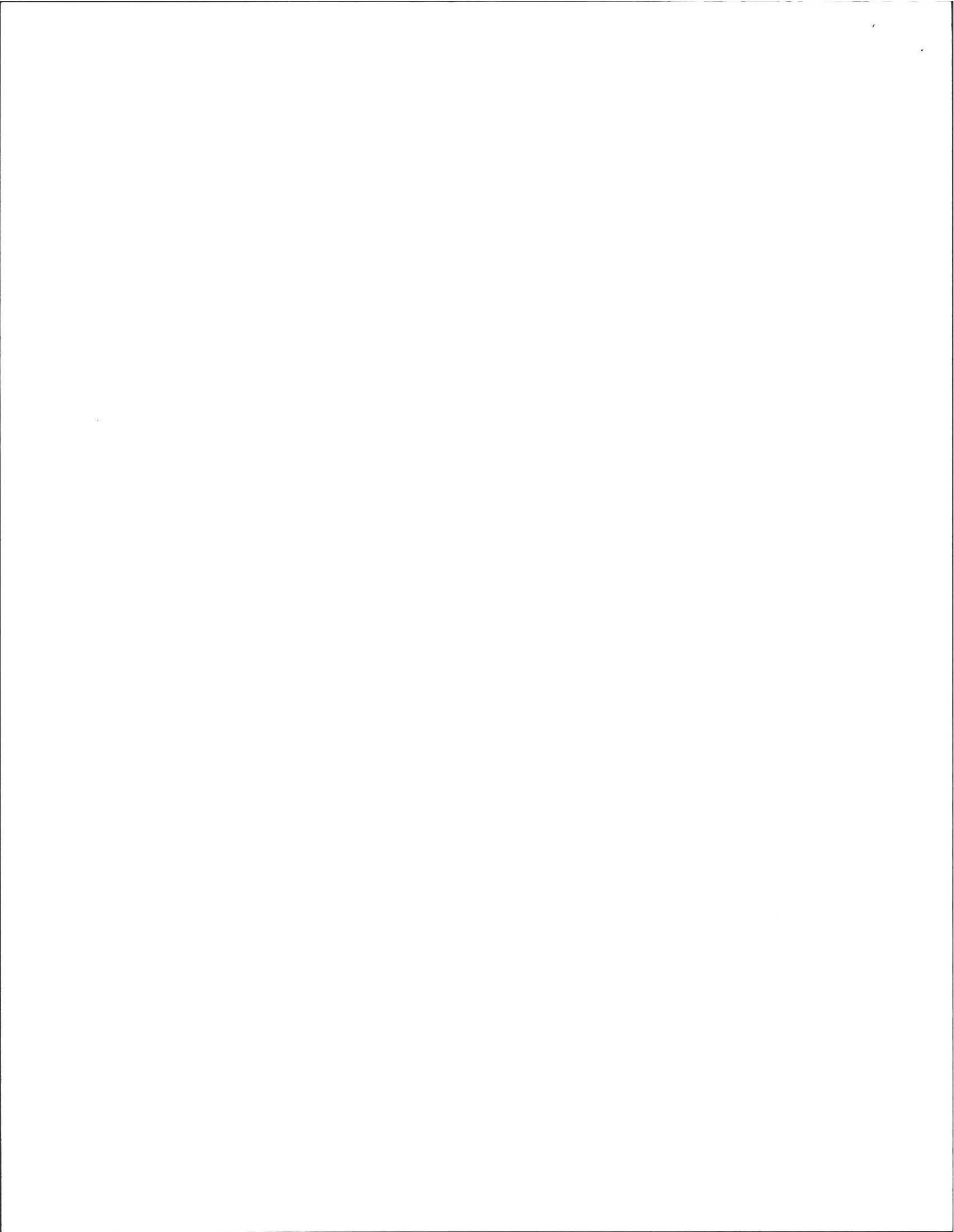
- ____ broken pipe(s) are replaced
- ____ obstruction is removed
- ____ distribution box is leveled or replaced

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: 288 Middle St

Owner: Jaffe

Date of Inspection: 7/2/03

C. Further Evaluation is Required by the Board of Health:

No 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:

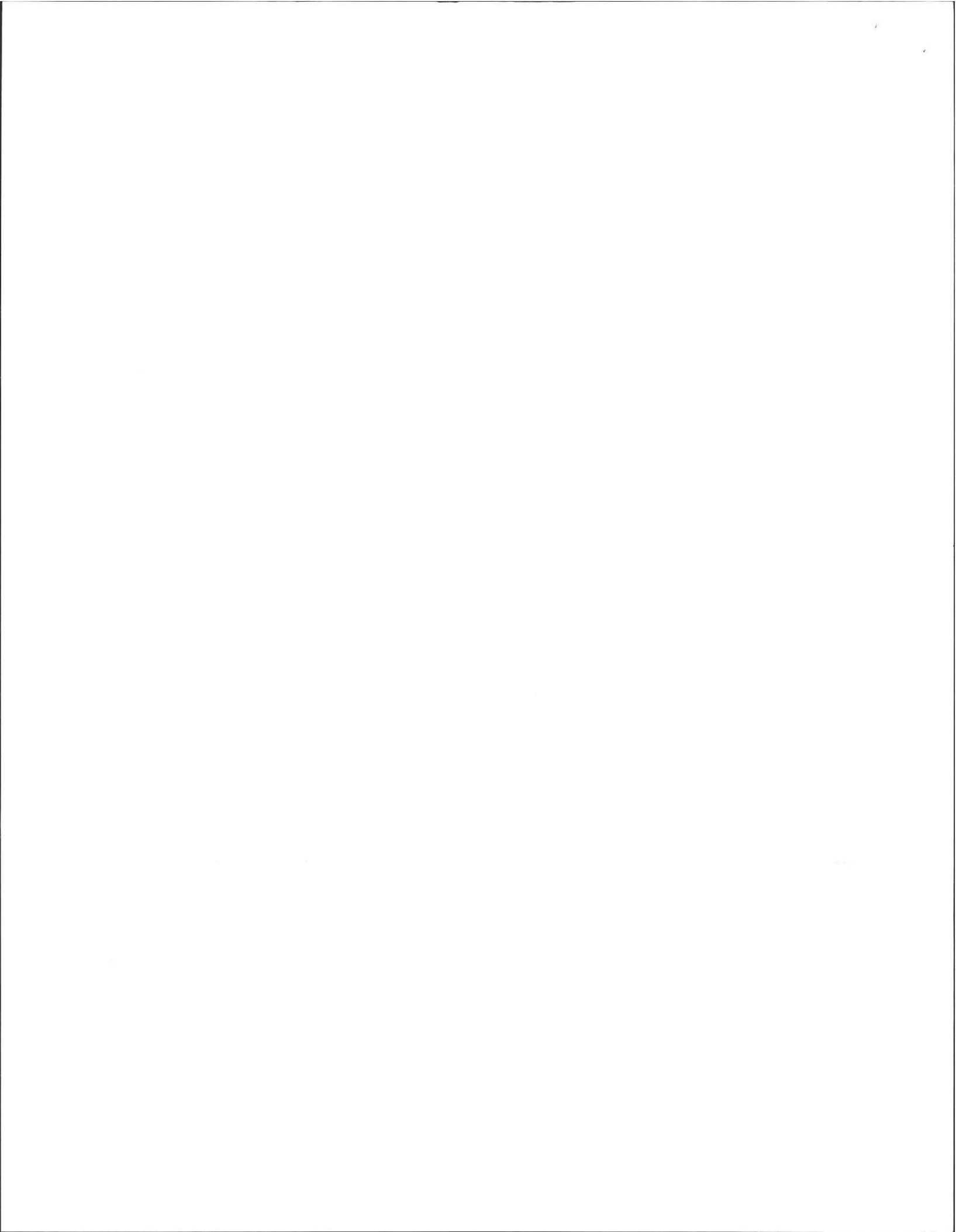
- Cesspool or privy is within 50 feet of a surface water
- Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh

- 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: 208 Middle St

Owner: Taffe

Date of Inspection: 7/2/07

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

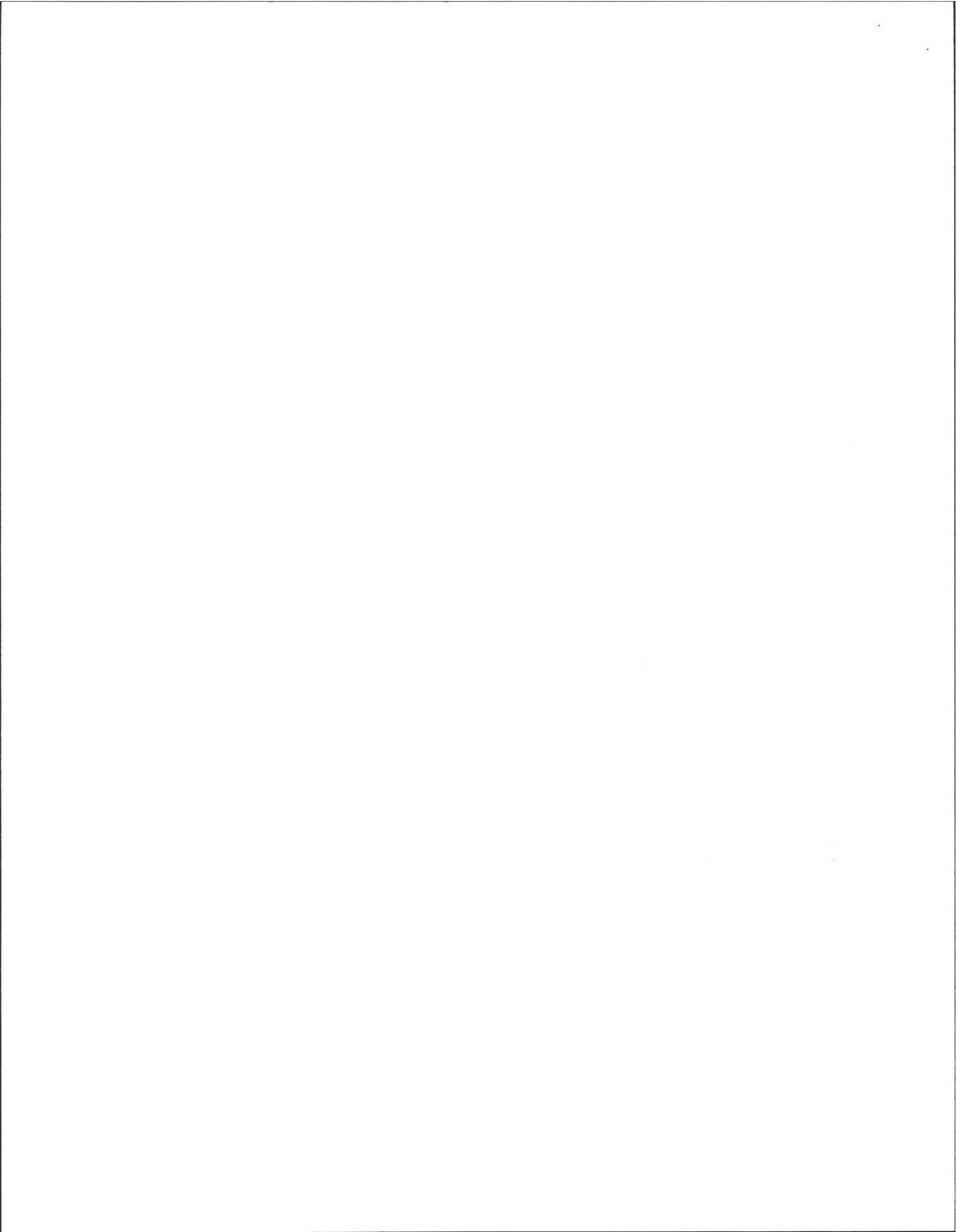
To be considered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd.

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 | |
| <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: 288 Middle St

Owner: J. Tee

Date of Inspection: 7/2/03

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

Yes No

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

No Were any of the system components pumped out in the previous two weeks ?

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

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

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

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

yes Was the site inspected for signs of break out ?

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

yes 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 ?

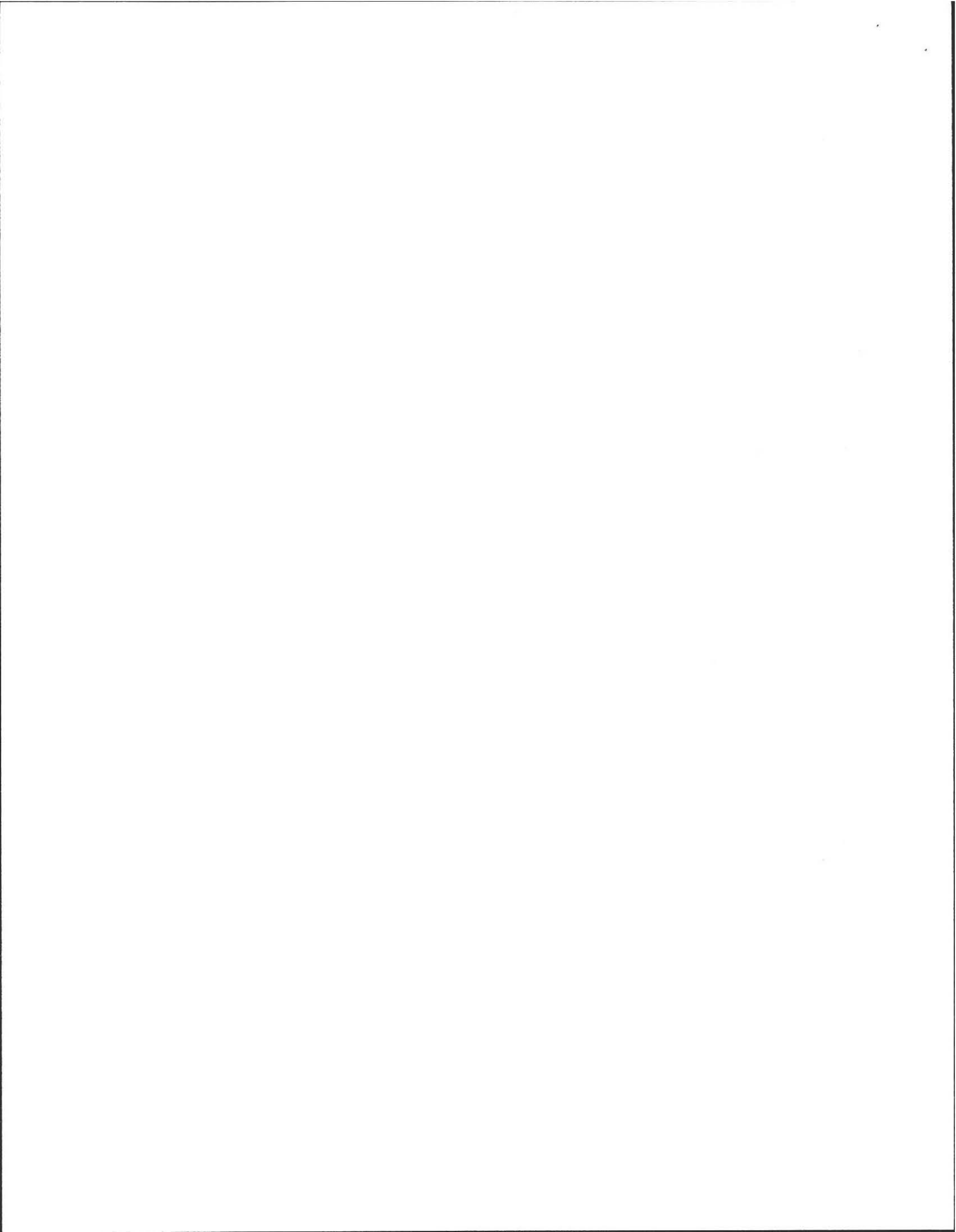
yes Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems ?

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

Yes no

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

yes 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: 288 Middle St

Owner: Jaffee

Date of Inspection: 7/2/03

FLOW CONDITIONS

RESIDENTIAL

Number of bedrooms (design): 4 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): No
Is laundry on a separate sewage system (yes or no): No [if yes separate inspection required]
Laundry system inspected (yes or no): —

Seasonal use: (yes or no): No
Water meter readings, if available (last 2 years usage (gpd)): N/A

Sump pump (yes or no): Yes (to gutter at street)
Last date of occupancy: Street

COMMERCIAL/INDUSTRIAL

Type of establishment: N/A
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

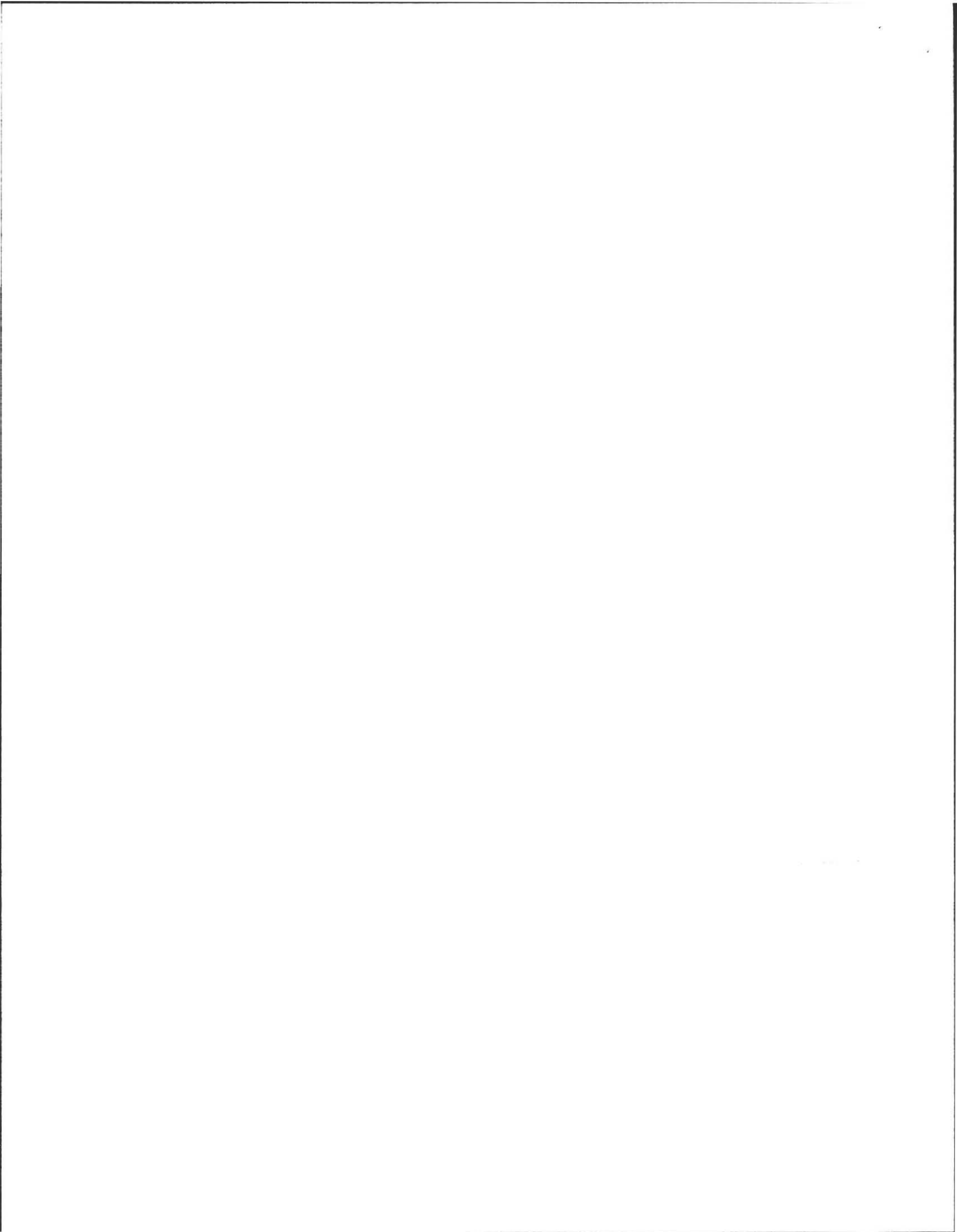
Source of information: August, 2002
Was system pumped as part of the inspection (yes or no): _____
If yes, volume pumped: 600 gallons -- How was quantity pumped determined? Mecs.
Reason for pumping: _____

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: 288 Middle St.

Owner: Jaffe

Date of Inspection: 7/2/03

BUILDING SEWER (locate on site plan)

Depth below grade: 12"

Materials of construction: cast iron 40 PVC other (explain): _____

Distance from private water supply well or suction line: 10'

Comments (on condition of joints, venting, evidence of leakage, etc.):
OK.

SEPTIC TANK: Yes (locate on site plan)

Depth below grade: 12"

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 4.5'

Sludge depth: 3"

Distance from top of sludge to bottom of outlet tee or baffle: 46"

Scum thickness: 3"

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 were dimensions determined: MEAS.

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

Good condition; Small gap at outlet tee cemented by Kar's
- Inlet has Baffle -

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

Depth below grade: ____

Material of construction: concrete metal fiberglass polyethylene other (explain): _____

Dimensions: _____

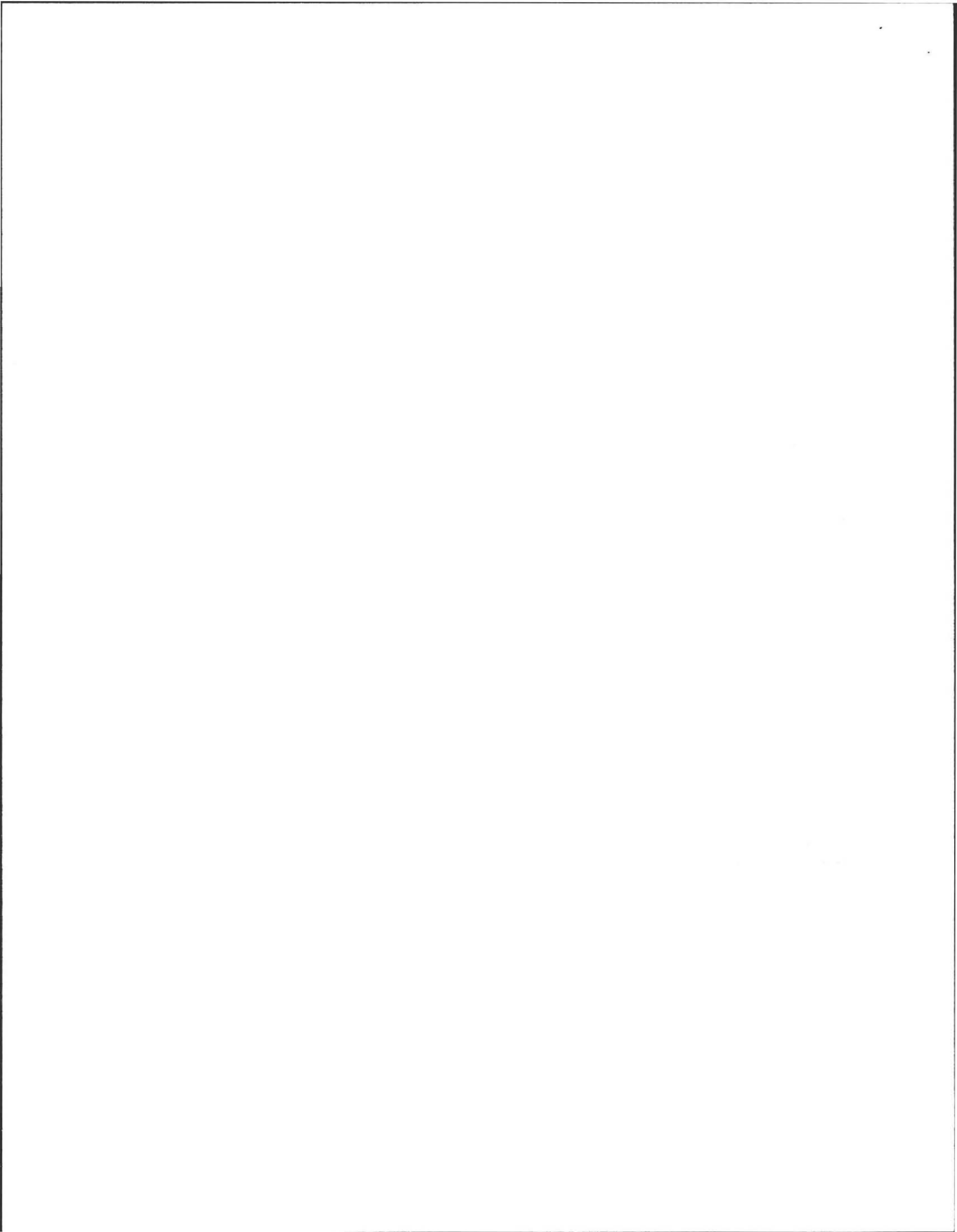
Scum thickness: _____

Distance from top of scum to top of outlet tee or baffle: _____

Distance from bottom of scum to bottom of outlet tee or baffle: _____

Date of last pumping: _____

Comments (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: 288 Middle St

Owner: Jaffel

Date of Inspection: 7/2/03

TIGHT or HOLDING TANK: N/A (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: Yes (if present must be opened)(locate on site plan)

Depth of liquid level above outlet invert: 0.10

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.):

GOOD CONDITION

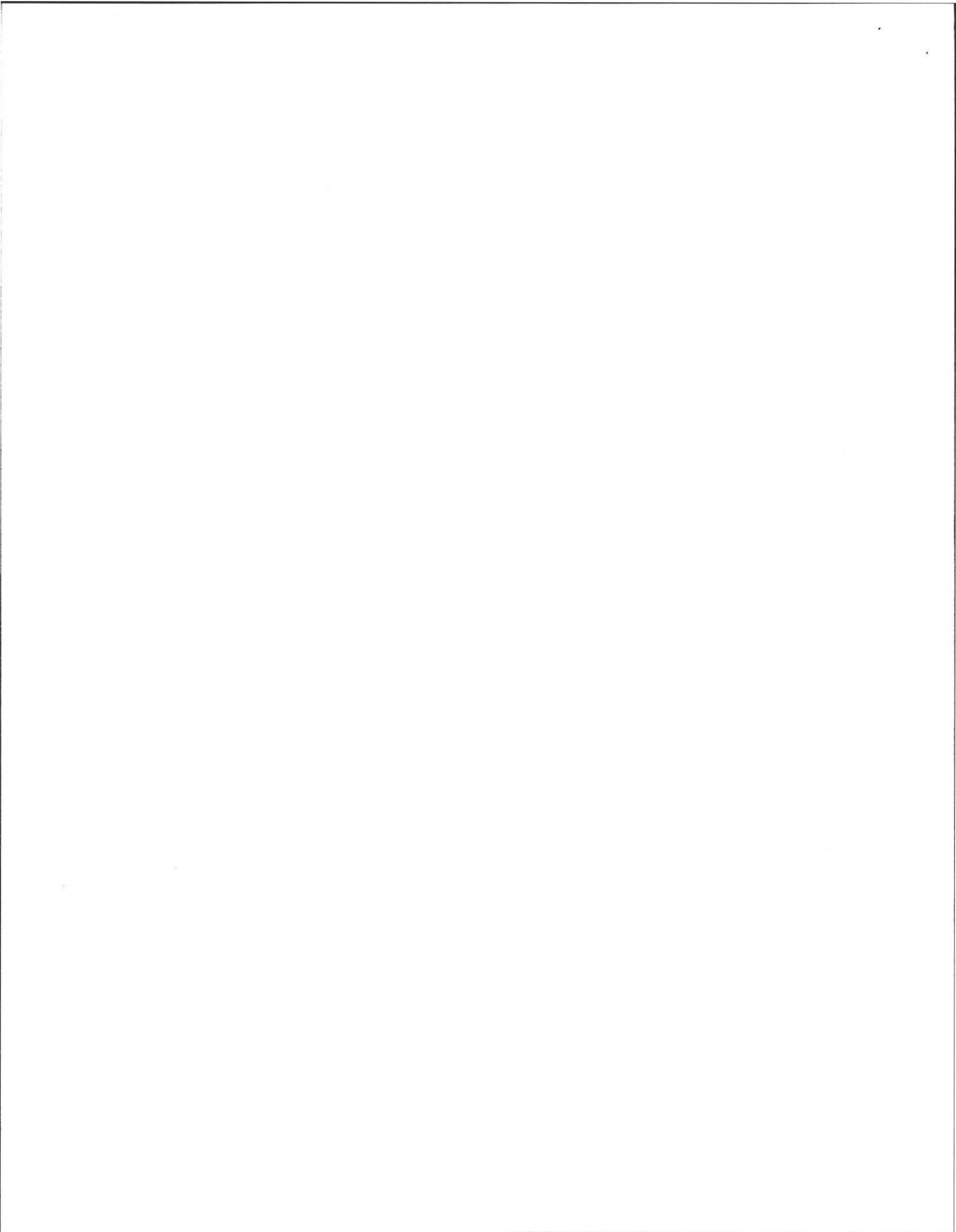
PUMP CHAMBER: Yes (locate on site plan)

Pumps in working order (yes or no): As of 7/07/03 OK

Alarms in working order (yes or no): No - unable to locate Alarms -

Comments (note condition of pump chamber, condition of pumps and appurtenances, etc.):

Plumber came to fix pump operation, Pump replaced + works.



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

SYSTEM INFORMATION (continued)

Property Address: 288 Middle St

Owner: Jas Lee

Date of Inspection: 7/2/03

SOIL ABSORPTION SYSTEM (SAS): Yes (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: _____

(1) leaching fields, number, dimensions: 70' L x 10' W

_____ 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.):

Good condition

CESSPOOLS: N/A (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.):

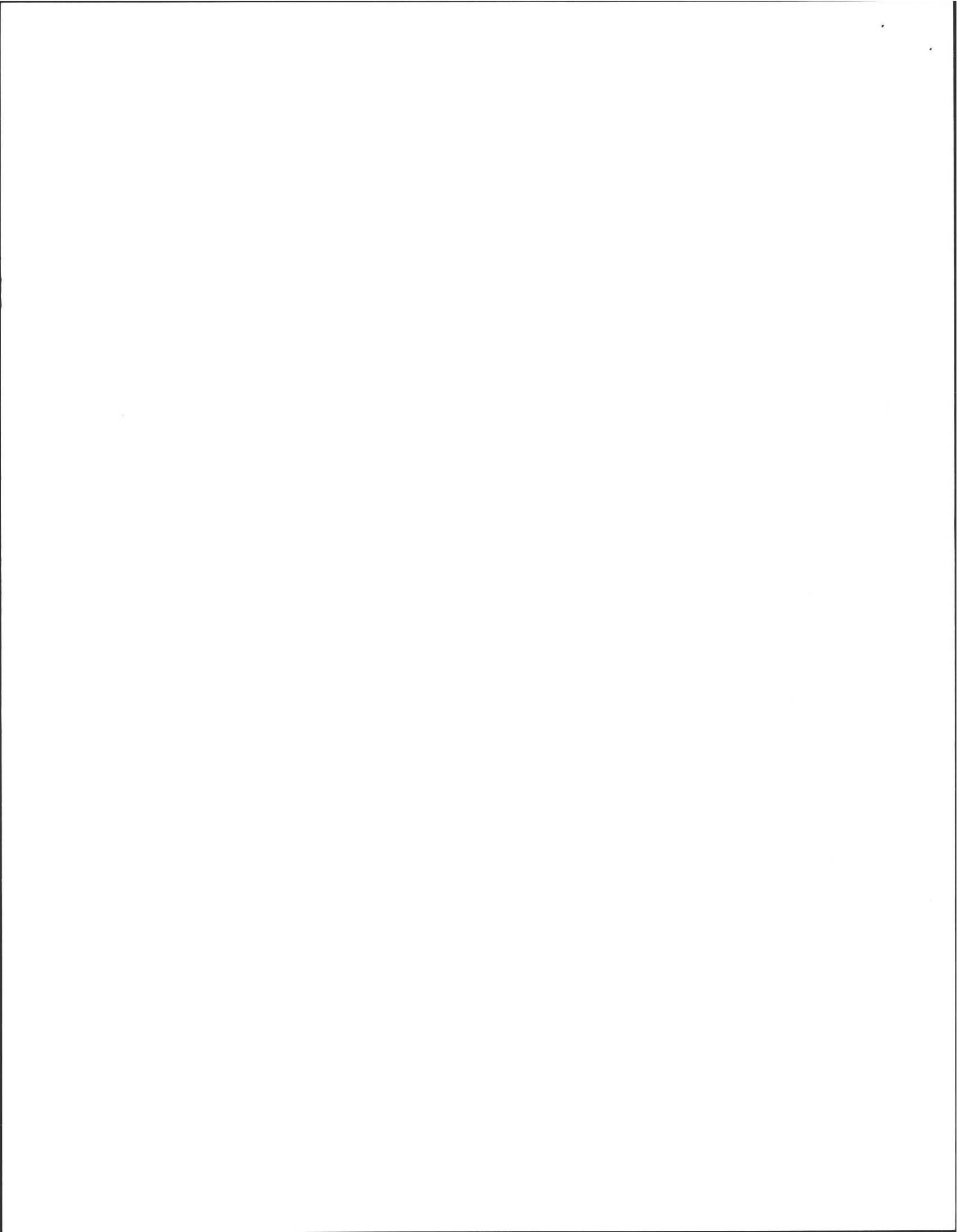
PRIVY: N/A (locate on site plan)

Materials of construction: _____

Dimensions: _____

Depth of solids: _____

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



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

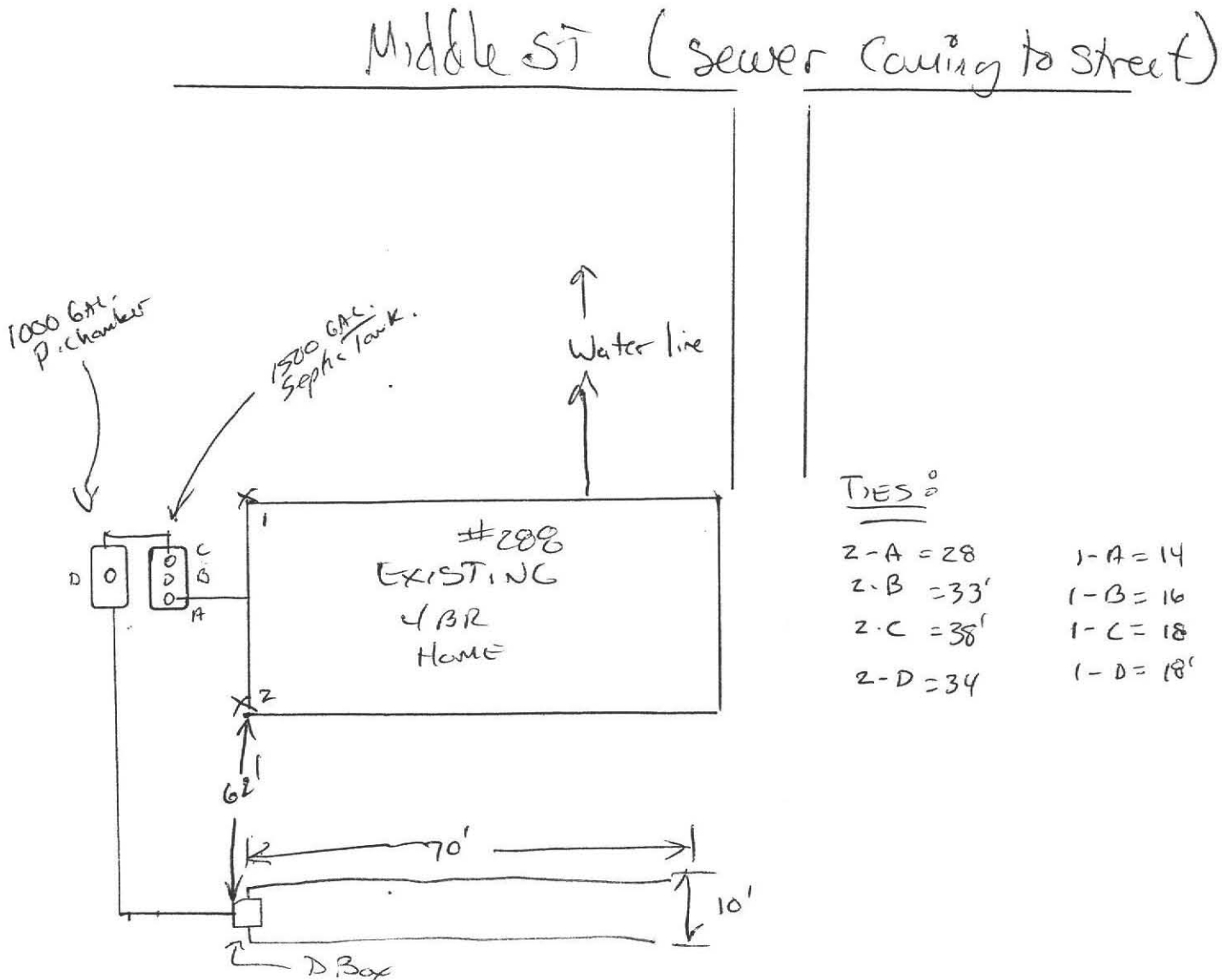
Property Address: 288 Middle St

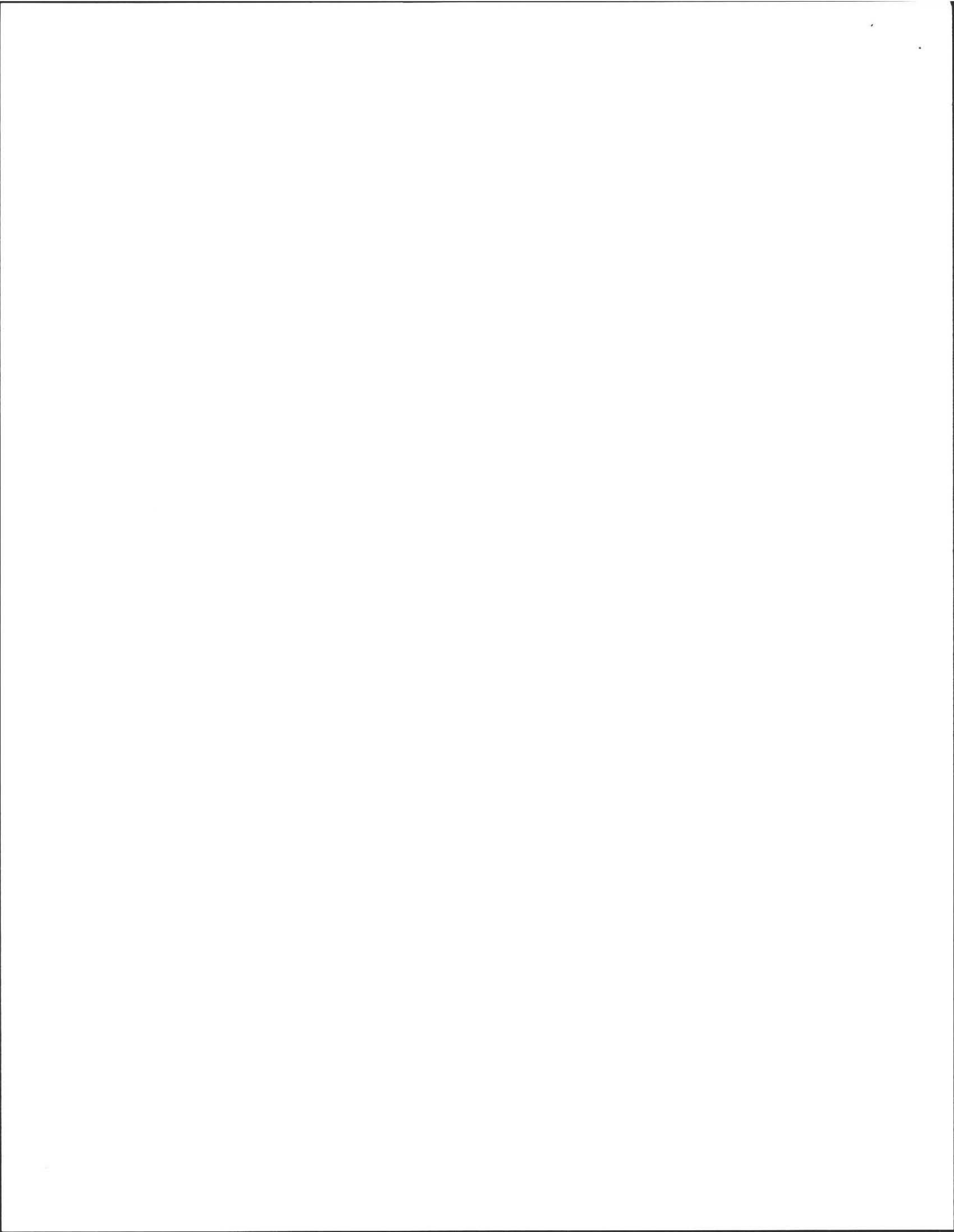
Owner: Jaffe

Date of Inspection: 7/2/03

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: 288 Middle St

Owner: Jaffe

Date of Inspection: 7/2/03

SITE EXAM

- Slope
- Surface water
- Check cellar
- Shallow wells

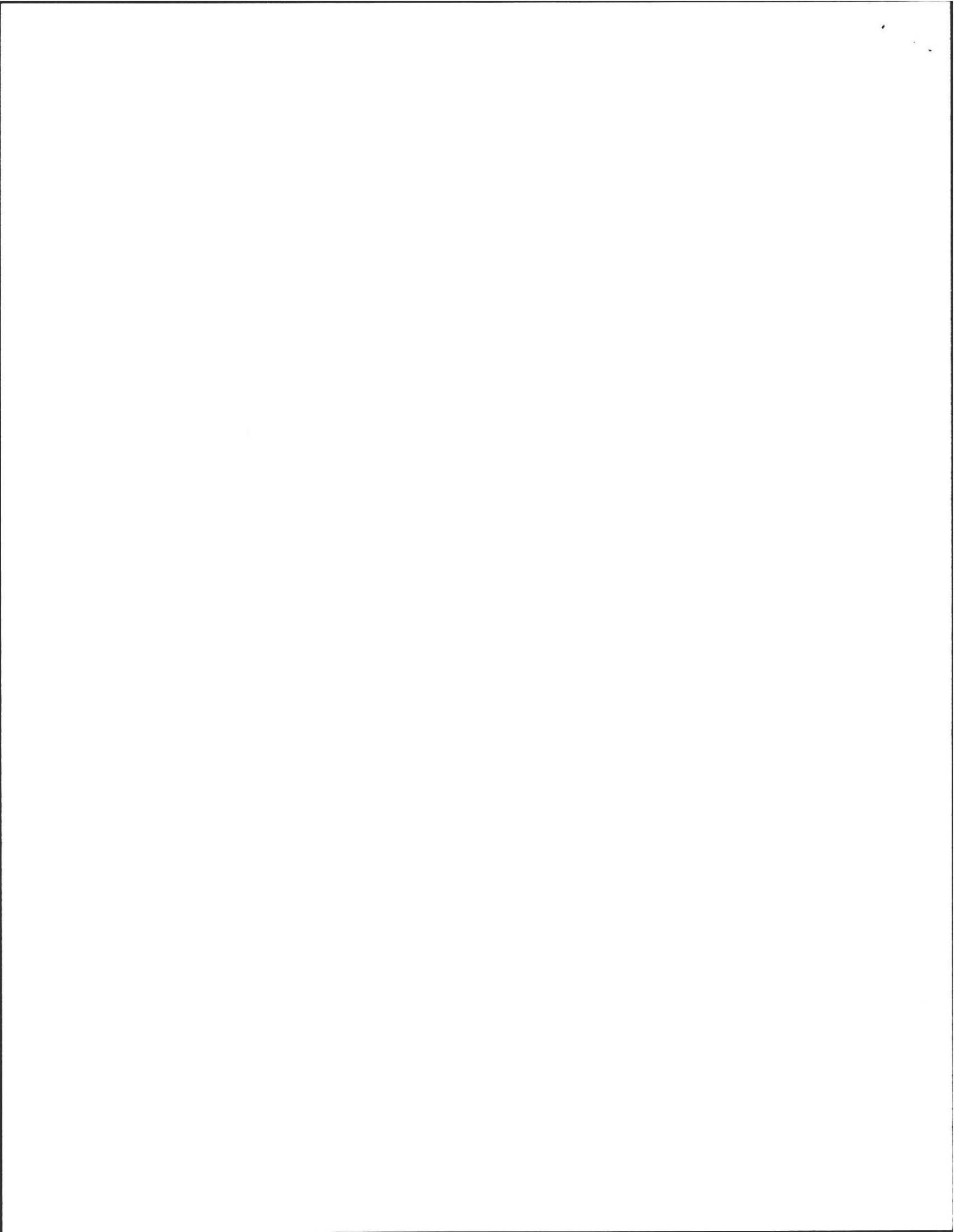
Estimated depth to ground water 5' feet

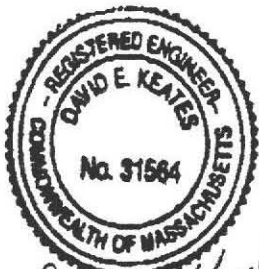
Please indicate (check) all methods used to determine the high ground water elevation:

- Obtained from system design plans on record - If checked, date of design plan reviewed: 1996
- 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:

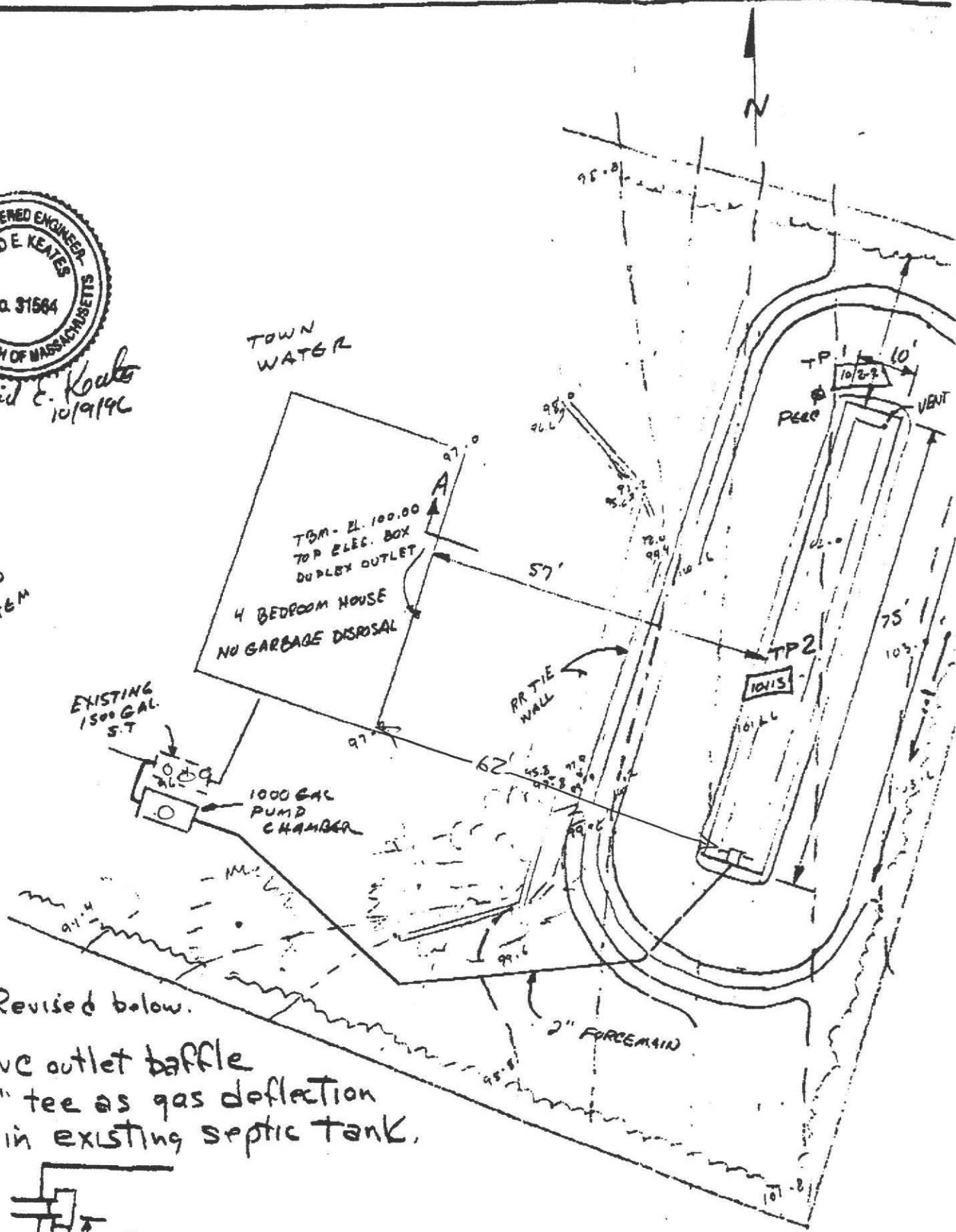
see plans / Deepholes (Keates)





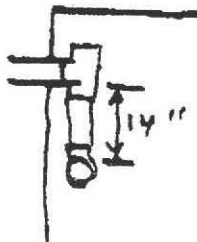
David E. Keates
10/19/96

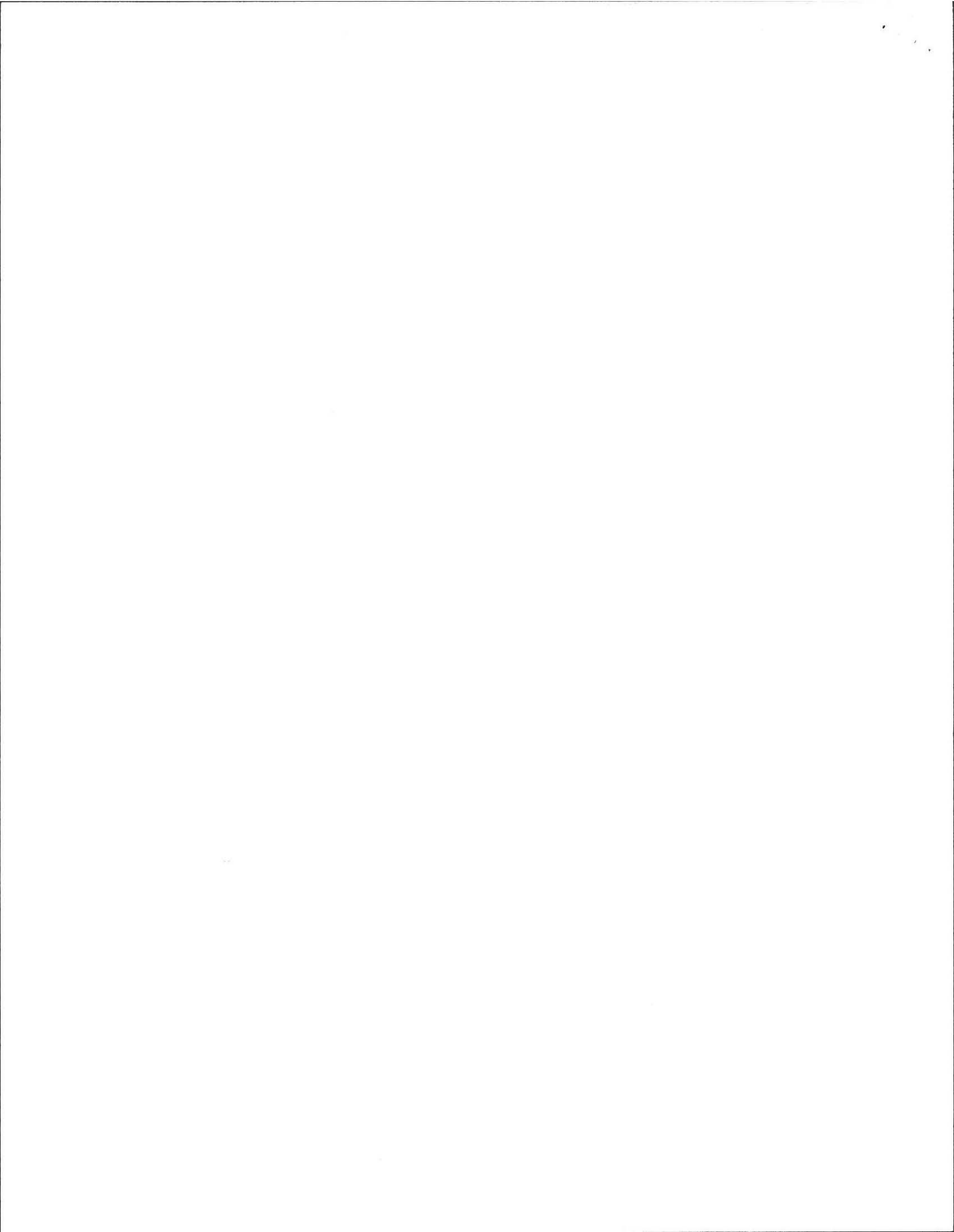
FAILED SYSTEM



96 Revised below.

all PVC outlet baffle
h 4" tee as gas deflection
file in existing septic tank.

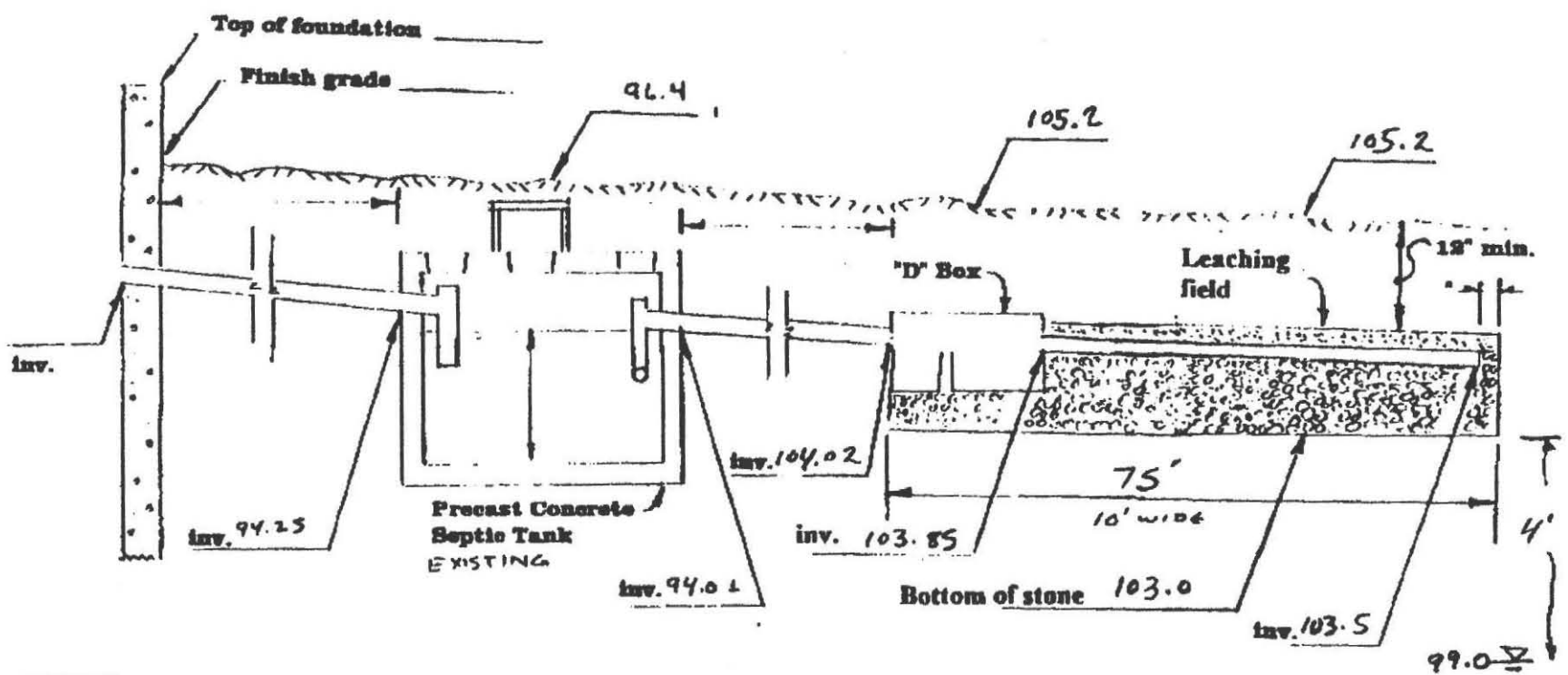




Septic System Profile

PROJECT
 RUSSELL KOTFICA
 387 MIDDLE ST.
 AMHERST, MA

Sheet 12 of 17



NOTES:

1. The grade above and adjacent to the leach field shall slope at least 2.0% to prevent accumulation of surface water.
2. Leach field distribution pipe shall have a minimum slope of 0.005 ft./ft.
3. The bottom of the leach field shall be level at the specified elevation.
4. Pipe from foundation wall to the septic tank shall be schedule 40 PVC or equivalent and have a minimum grade of 1/4" per foot.
5. Pipe from the septic tank to the "D" box shall be schedule 40 PVC or equivalent and have a minimum grade of 1/8" per foot.
6. All piping shall be 4" diameter.

David E. Keates, P.E.
 Consulting Civil Engineer
 102 Russell Street
 Sunderland, MA 01878
 Tel: 413-665-7870



David E. Keates
 10/9/96

