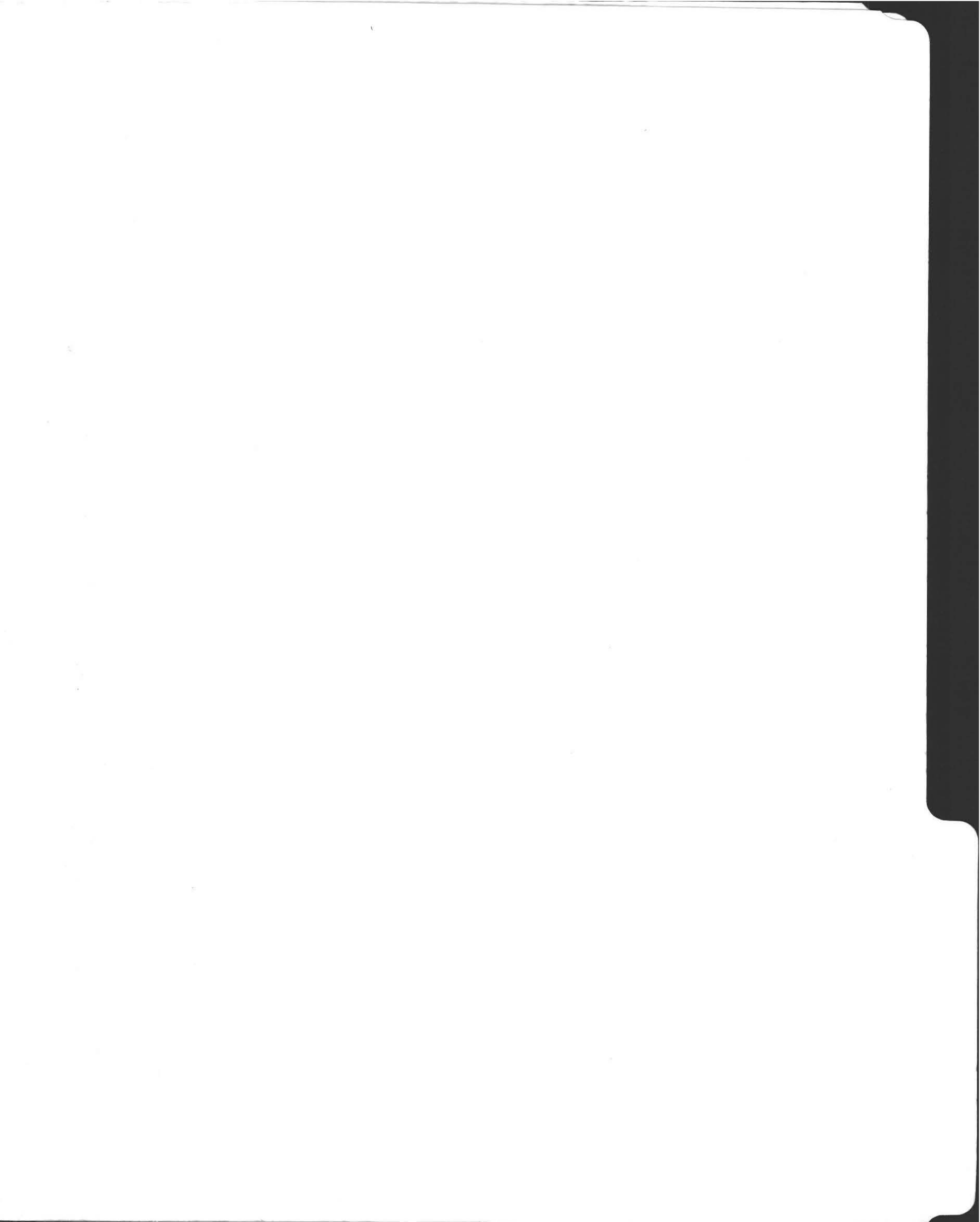
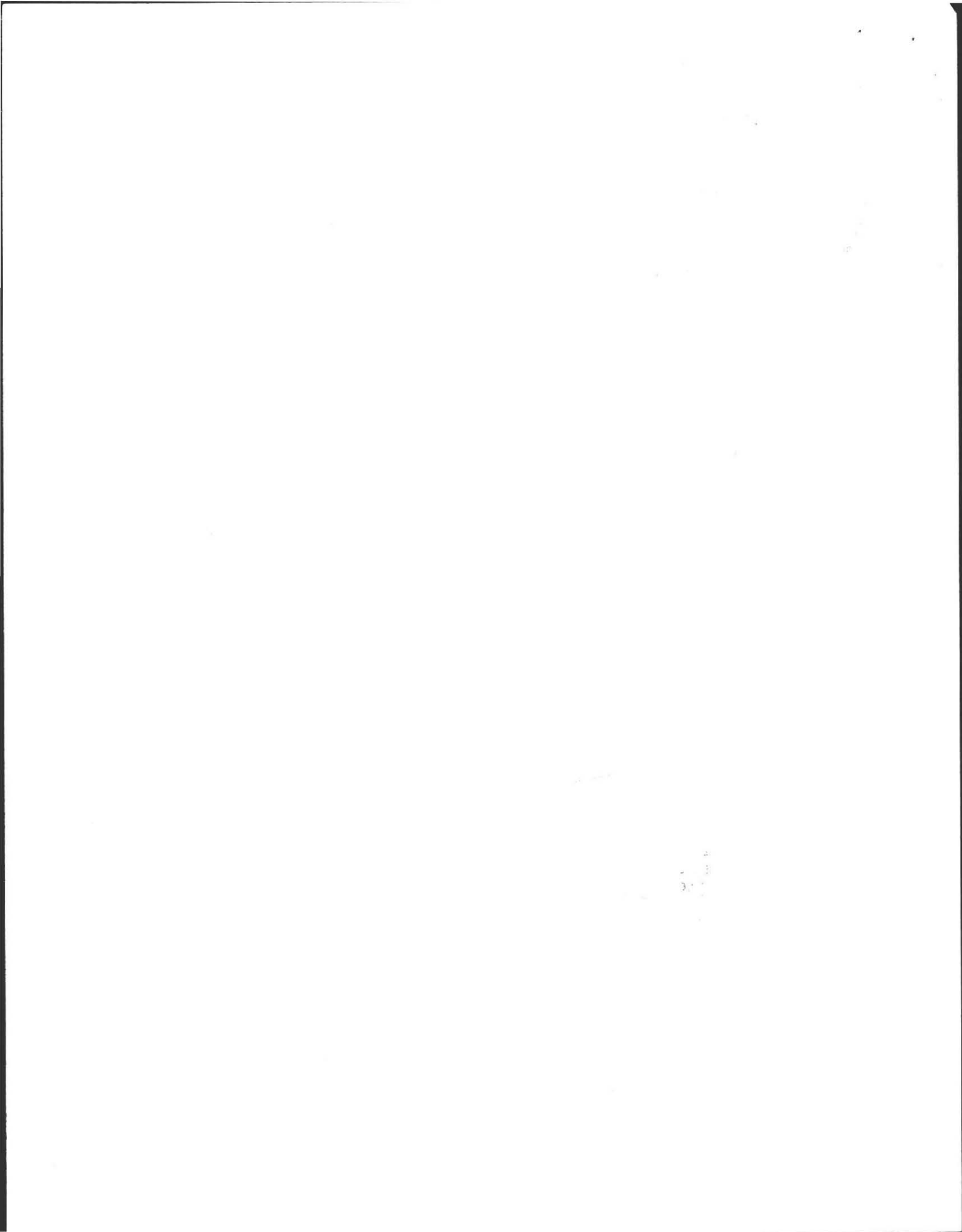


23 Dayton Lane

30  
/









Commonwealth of Massachusetts

Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

23 Dayton Lane, Amherst

Property Address

Dennis Pilsits (C/O Amy Hamel, Jones Real Estate Group, Amherst,)

Owner's Name

Amherst,

MA

01002

04.20.2010

City/Town

State

Zip Code

Date of Inspection

Owner information is required for every page.

B. Certification (cont.)

B) System Conditionally Passes (cont.):

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

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):

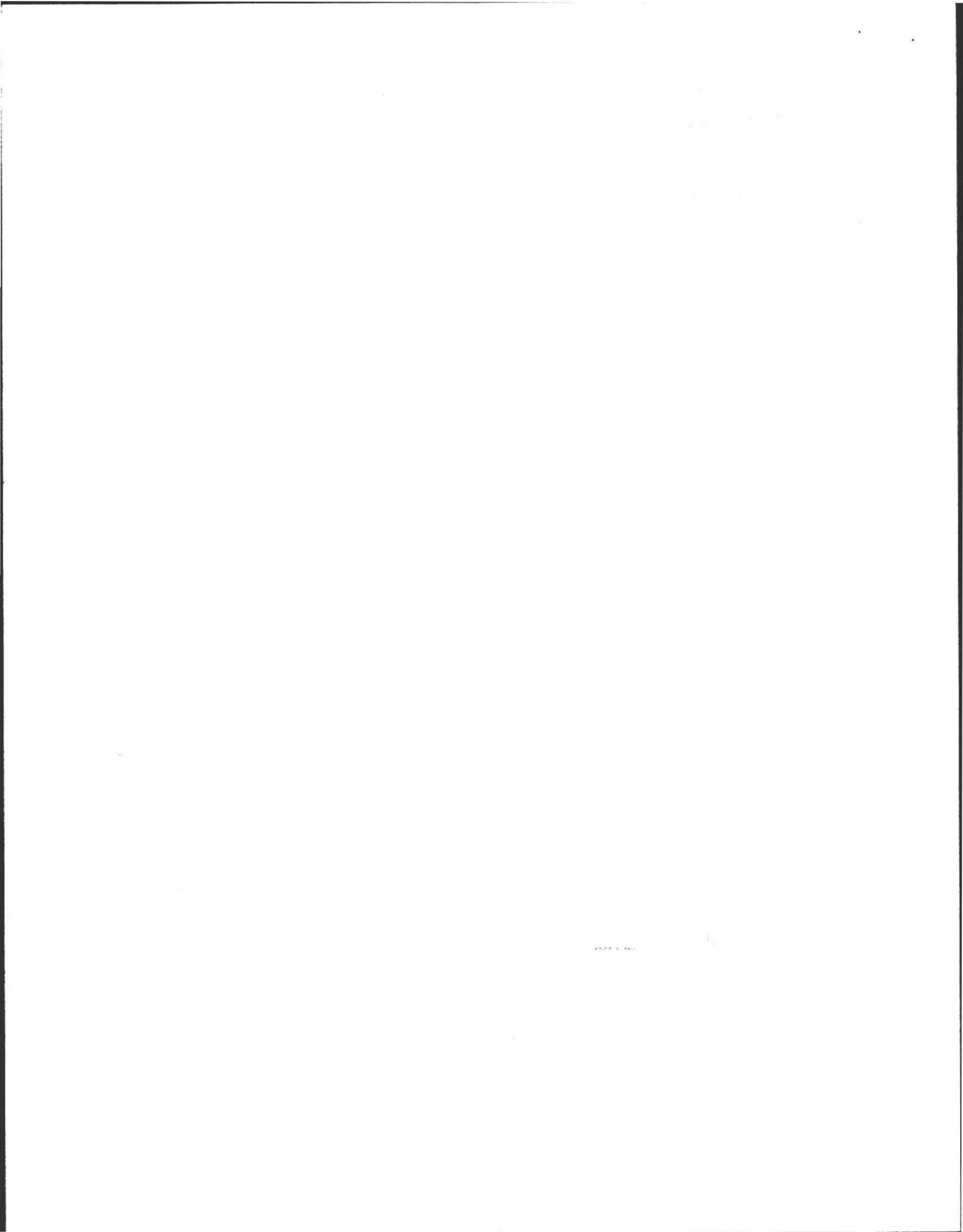
- broken pipe(s) are replaced
obstruction is removed

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





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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:

System was found to pass, Septic tank & D. box is 6+?- years old 1500 gallon tank was pumped by Karls), Outlet/ inlet tees in place Septic tank was pumped after inspection. Stone was clean. Distribution box cover was replaced with manhole. level was good some sediment in sump. No high staining observed.

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.

Y N ND (Explain below):

RECEIVED





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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:

- Four checkbox options regarding septic tank and SAS placement relative to surface and private water supplies.

\*\* This system passes if the well water analysis, performed at a DEP certified laboratory, for 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:

Four horizontal lines for additional notes.

D) System Failure Criteria Applicable to All Systems:

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

- Table with columns for Yes/No and four failure criteria: Backup of sewage, Discharge or ponding of effluent, Static liquid level, and Liquid depth in cesspool.





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B. Certification (cont.)

Yes No

Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped: \_\_\_\_\_.

Any portion of the SAS, cesspool or privy is below high ground water elevation.

Any portion of cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply.

Any portion of a cesspool or privy is within a Zone 1 of a public well.

Any portion of a cesspool or privy is within 50 feet of a private water supply well.

Any portion of a cesspool or privy is less than 100 feet but greater than 50 feet from a private water supply well with no acceptable water quality analysis. [This system passes if the well water analysis, performed at a DEP certified laboratory, for 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.]

The system is a cesspool serving a facility with a design flow of 2000gpd-10,000gpd.

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.

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

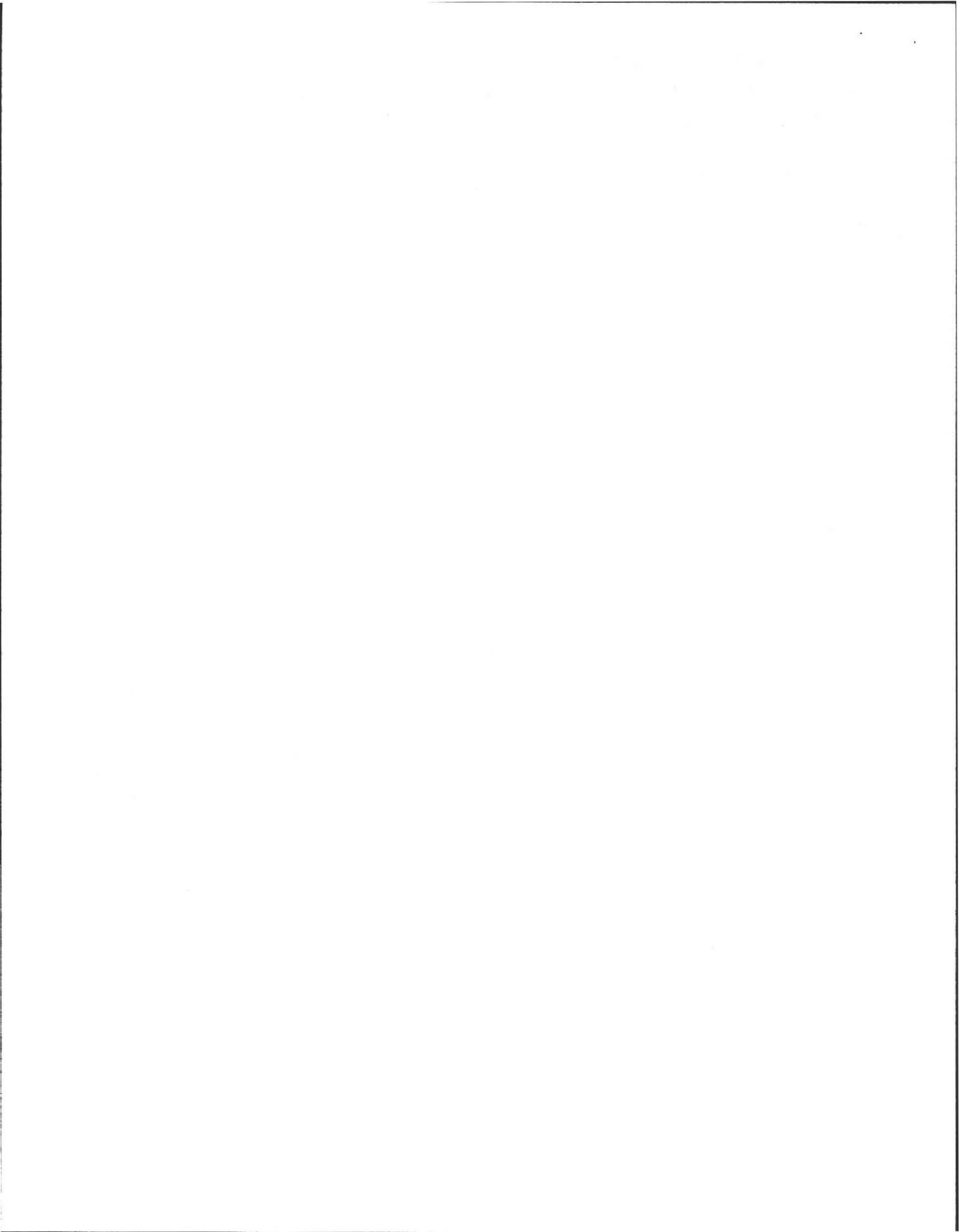
Yes No

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.





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C. Checklist

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

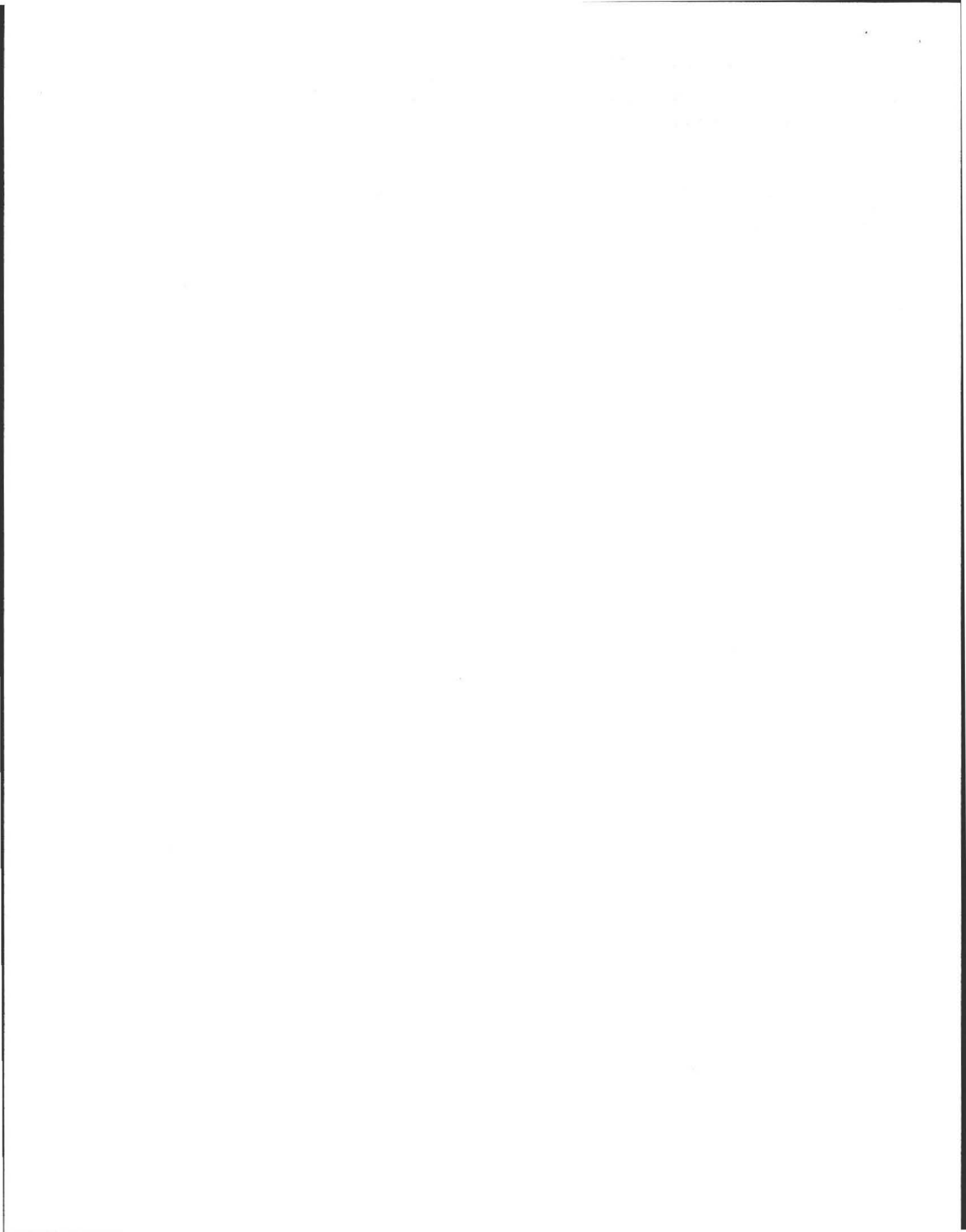
- Checklist items with Yes/No columns and checkboxes. Items include: Pumping information was provided by the owner, occupant, or Board of Health; Were any of the system components pumped out in the previous two weeks?; Has the system received normal flows in the previous two week period?; Have large volumes of water been introduced to the system recently or as part of this inspection?; Were as built plans of the system obtained and examined?; Was the facility or dwelling inspected for signs of sewage back up?; Was the site inspected for signs of break out?; Were all system components, excluding the SAS, located on site?; Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of the baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge and depth of scum?; Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems?; 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): 4 Number of bedrooms (actual): 4-5

DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): 440 (504)





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D. System Information

Description:

Three horizontal lines for description.

Number of current residents:

2

Does residence have a garbage grinder?

Yes  No

Is laundry on a separate sewage system? [if yes separate inspection required]

Yes  No

Laundry system inspected?

Yes  No

Seasonal use?

Yes  No

Water meter readings, if available (last 2 years usage (gpd)):

Detail:

Three horizontal lines for detail.

Sump pump?

Yes  No

Last date of occupancy:

current Date

Commercial/Industrial Flow Conditions:

Type of Establishment:

Horizontal line for establishment type.

Design flow (based on 310 CMR 15.203):

Gallons per day (gpd)

Basis of design flow (seats/persons/sq.ft., etc.):

Horizontal line for basis of design flow.

Grease trap present?

Yes  No

Industrial waste holding tank present?

Yes  No

Non-sanitary waste discharged to the Title 5 system?

Yes  No

Water meter readings, if available:

Horizontal line for water meter readings.







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D. System Information (cont.)

Last date of occupancy/use:

Date

Other (describe below):

General Information

Pumping Records:

Source of information:

Was system pumped as part of the inspection?

Yes No

If yes, volume pumped:

1500

gallons

How was quantity pumped determined?

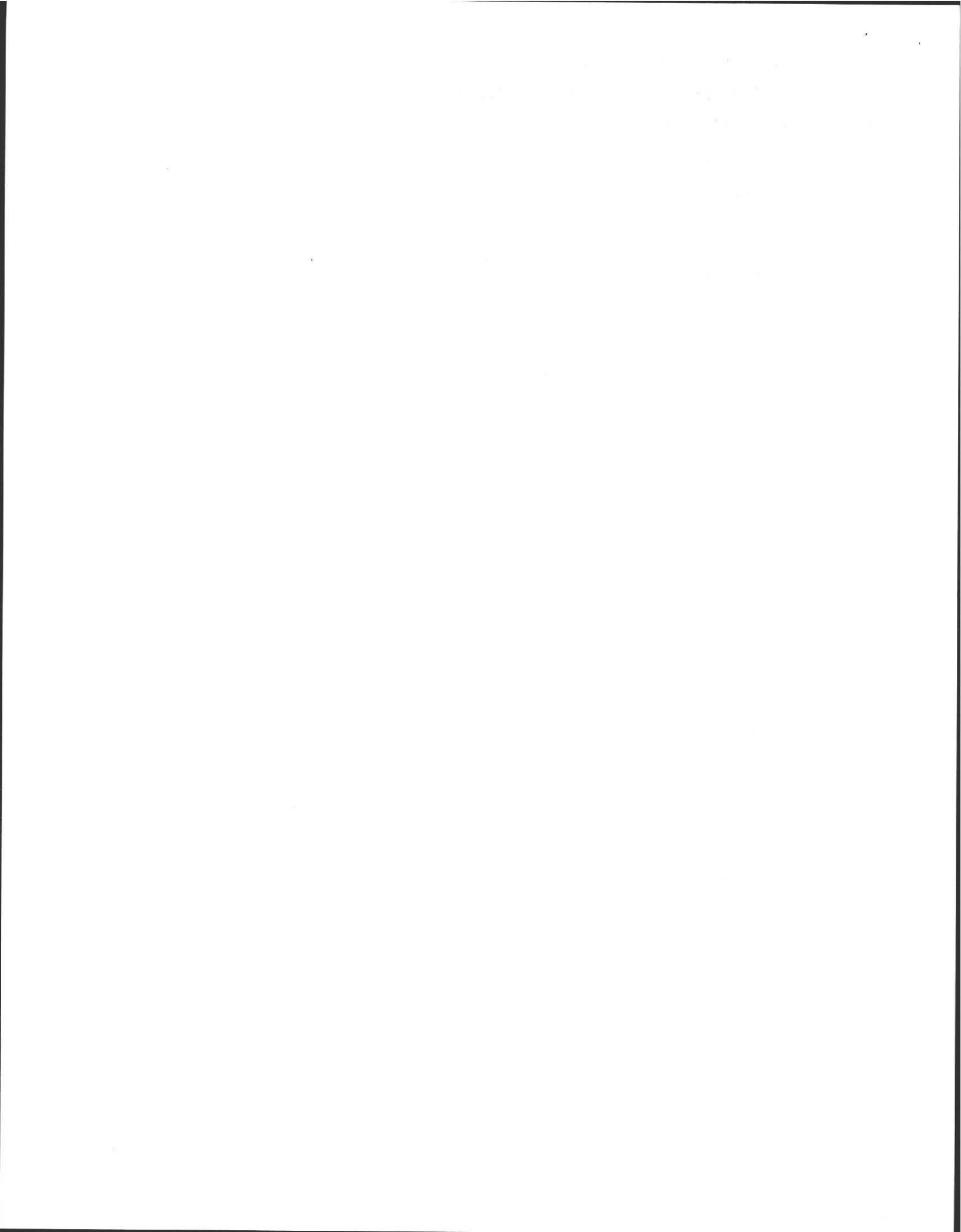
Volume

Reason for pumping:

Inspection

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...
Tight tank. Attach a copy of the DEP approval.
Other (describe):





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D. System Information (cont.)

Approximate age of all components, date installed (if known) and source of information:

6+ years

Were sewage odors detected when arriving at the site?

Yes No

Building Sewer (locate on site plan):

Depth below grade:

1.5' feet

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.):

Septic Tank (locate on site plan):

Depth below grade:

1.5' risers over openings feet

Material of construction:

concrete metal fiberglass polyethylene other (explain)

Good condition

If tank is metal, list age:

years

Is age confirmed by a Certificate of Compliance? (attach a copy of certificate)

Yes No

Dimensions:

10.5' x 5.5' x 4.0'

Sludge depth:

3"





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D. System Information (cont.)

Septic Tank (cont.)

Distance from top of sludge to bottom of outlet tee or baffle 40"

Scum thickness 2"

Distance from top of scum to top of outlet tee or baffle 6"

Distance from bottom of scum to bottom of outlet tee or baffle 10"

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.): tank was in good condition, level good with tees in place.

Grease Trap (locate on site plan):

Depth below grade: feet

Material of construction:

- concrete metal fiberglass polyethylene other (explain):

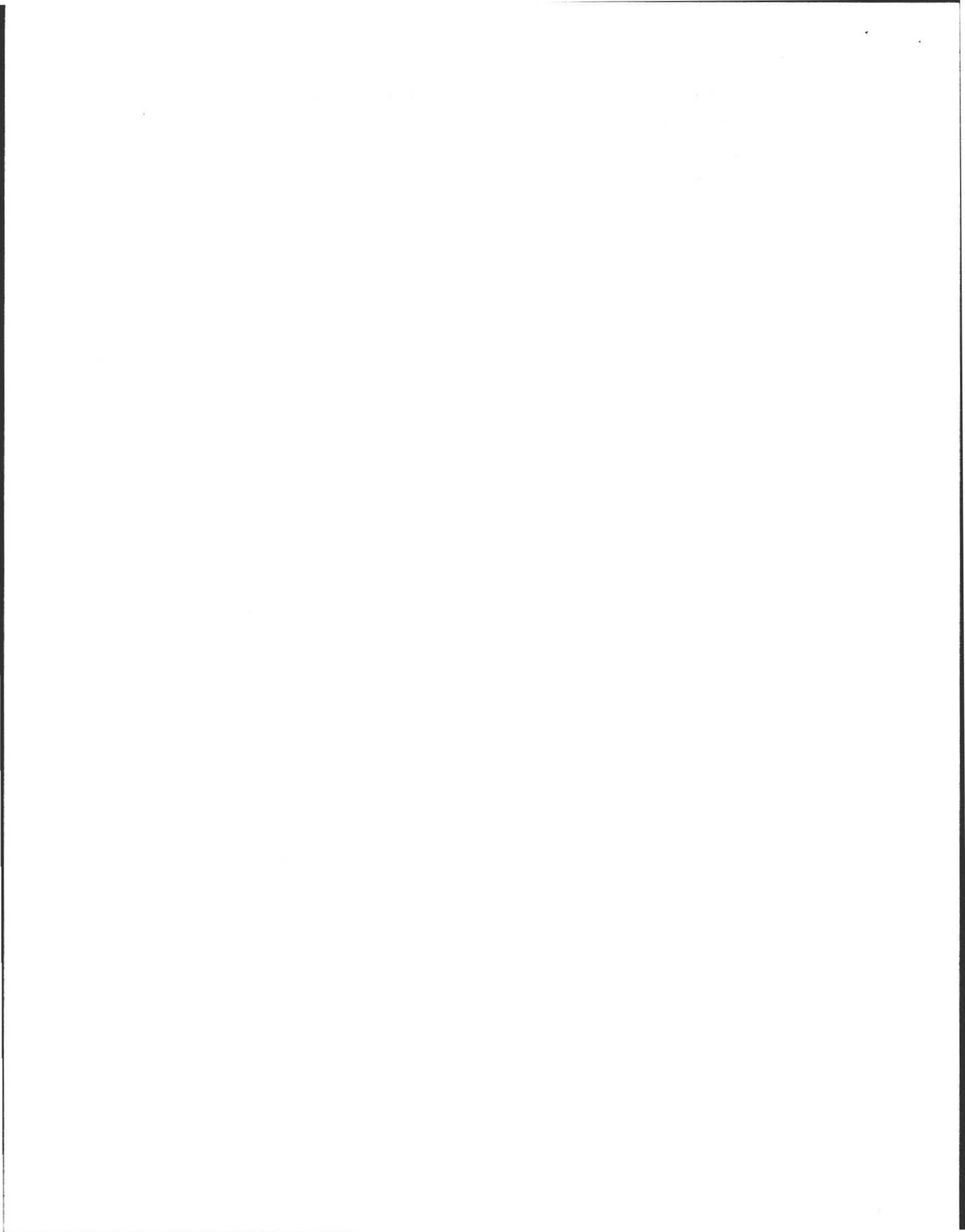
Dimensions:

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: Date





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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.):

Four horizontal lines for entering comments.

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 per day

Alarm present:

Yes     No

Alarm level: \_\_\_\_\_

Alarm in working order:     Yes     No

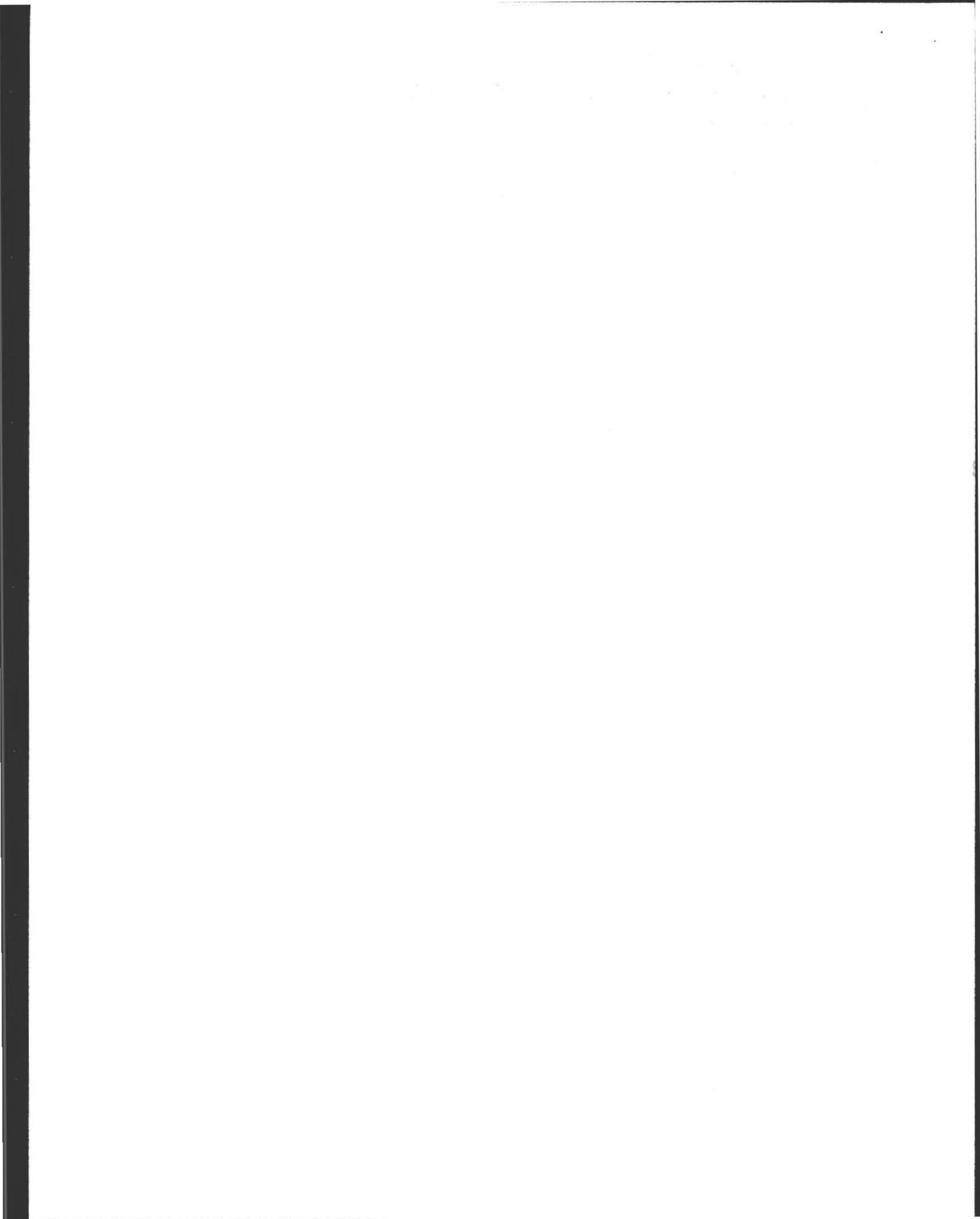
Date of last pumping: \_\_\_\_\_

Date

Comments (condition of alarm and float switches, etc.):

Four horizontal lines for entering comments.

\* Attach copy of current pumping contract (required). Is copy attached?     Yes     No







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D. System Information (cont.)

Distribution Box (if present must be opened) (locate on site plan):

Depth of liquid level above outlet invert @ invert,

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.):

Box was ok, some sediment in sump, box (26" down). (under pavement, manhole installed).

Pump Chamber (locate on site plan):

Pumps in working order: [ ] Yes [ ] No

Alarms in working order: [ ] Yes [ ] No

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

Soil Absorption System (SAS) (locate on site plan, excavation not required):

If SAS not located, explain why:





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D. System Information (cont.)

Type:

- leaching pits, leaching chambers, leaching galleries, leaching trenches, leaching fields, overflow cesspool, innovative/alternative system

Type/name of technology:

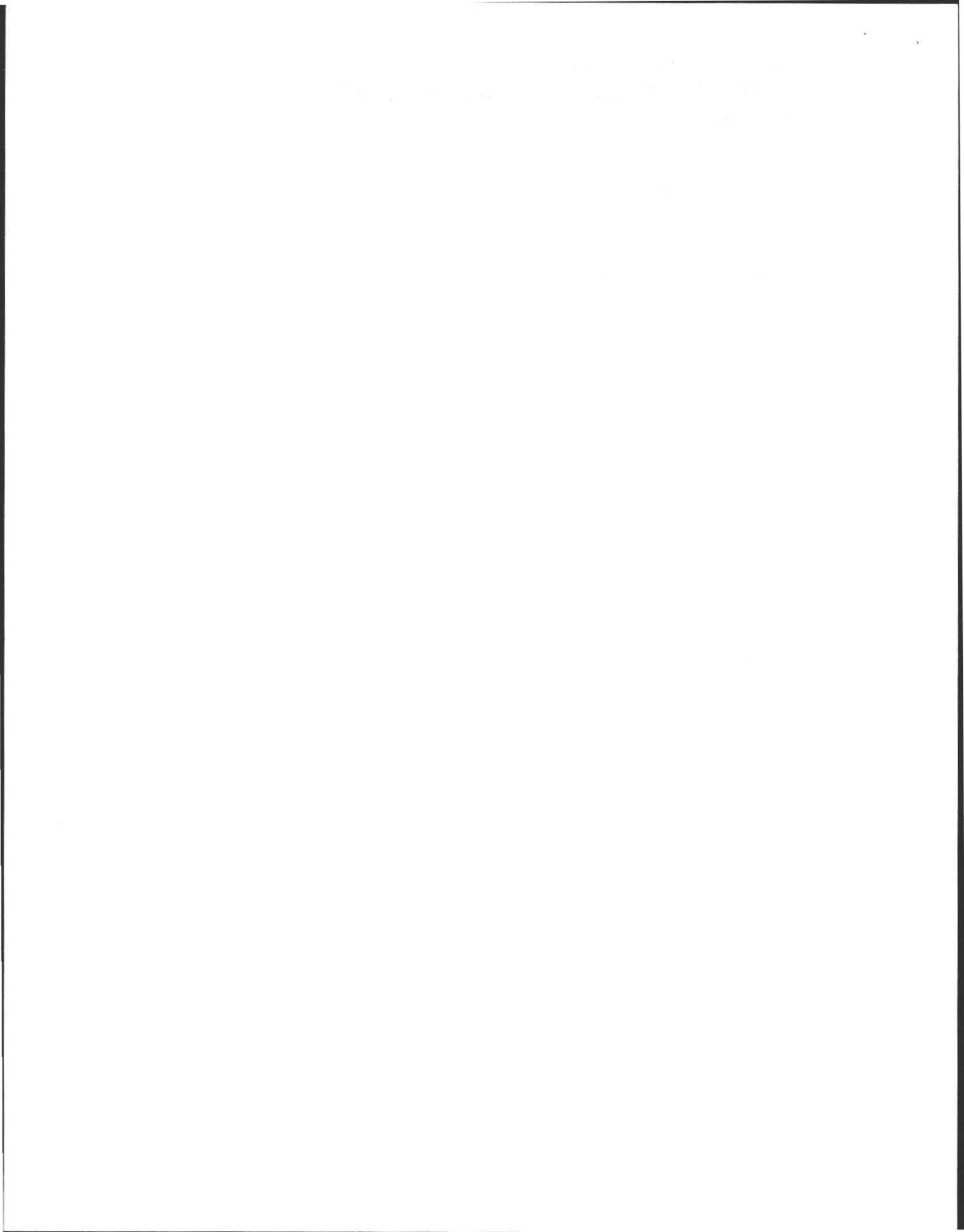
Comments (note condition of soil, signs of hydraulic failure, level of ponding, damp soil, condition of vegetation, etc.):

stone was dry with no high staining.

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 No





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D. System Information (cont.)

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

Four horizontal lines for handwritten comments.

Privy (locate on site plan):

Materials of construction:

Horizontal line for handwritten materials of construction.

Dimensions

Horizontal line for handwritten dimensions.

Depth of solids

Horizontal line for handwritten depth of solids.

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

Four horizontal lines for handwritten comments.





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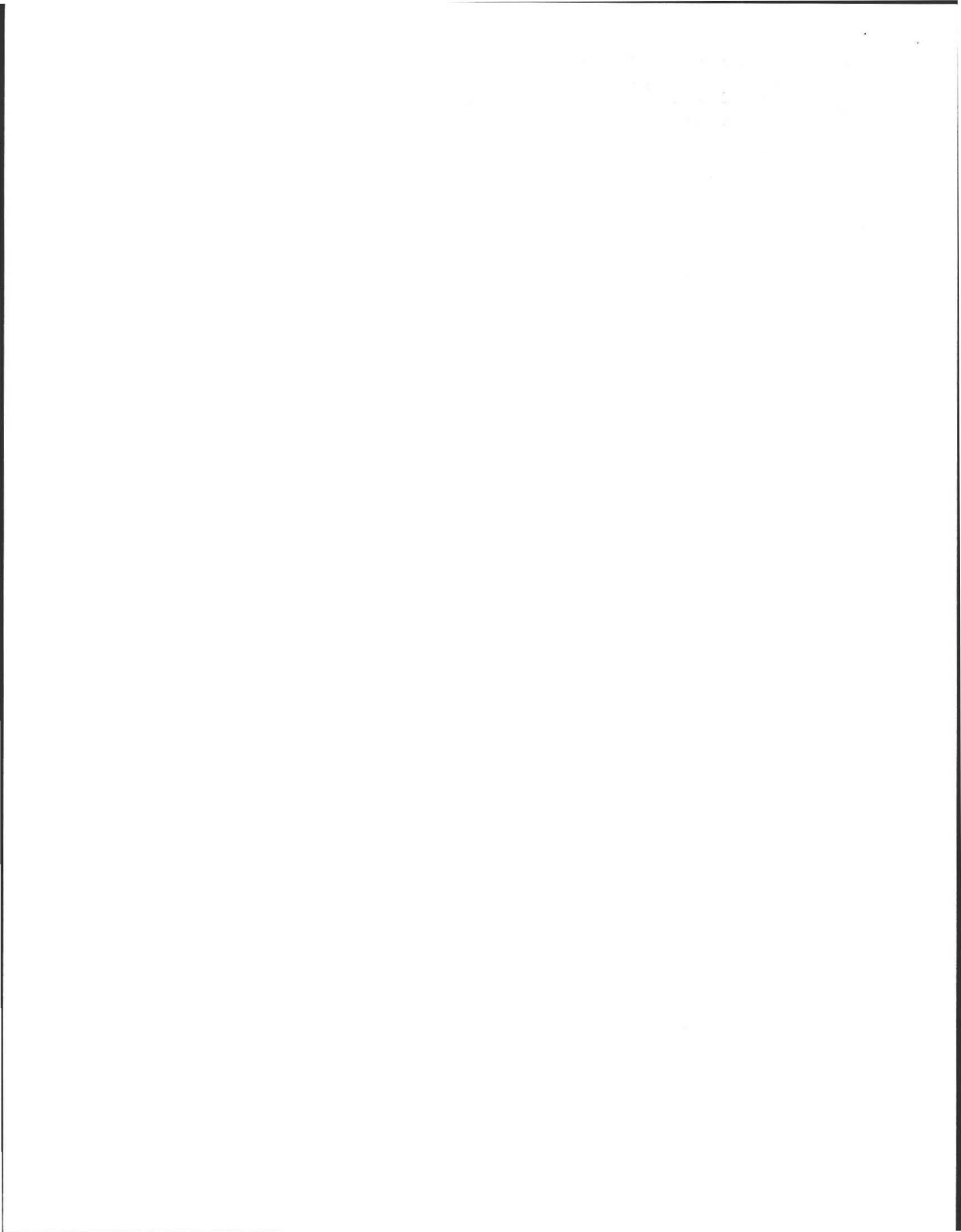
Date of Inspection

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## 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







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## D. System Information (cont.)

### Site Exam:

Check Slope

Surface water

Check cellar

Shallow wells

Estimated depth to high ground water:

5' ft.  
feet

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

Obtained from system design plans on record

If checked, date of design plan reviewed:

Date

Observed site (abutting property/observation hole within 150 feet of SAS)

Checked with local Board of Health - explain:

records

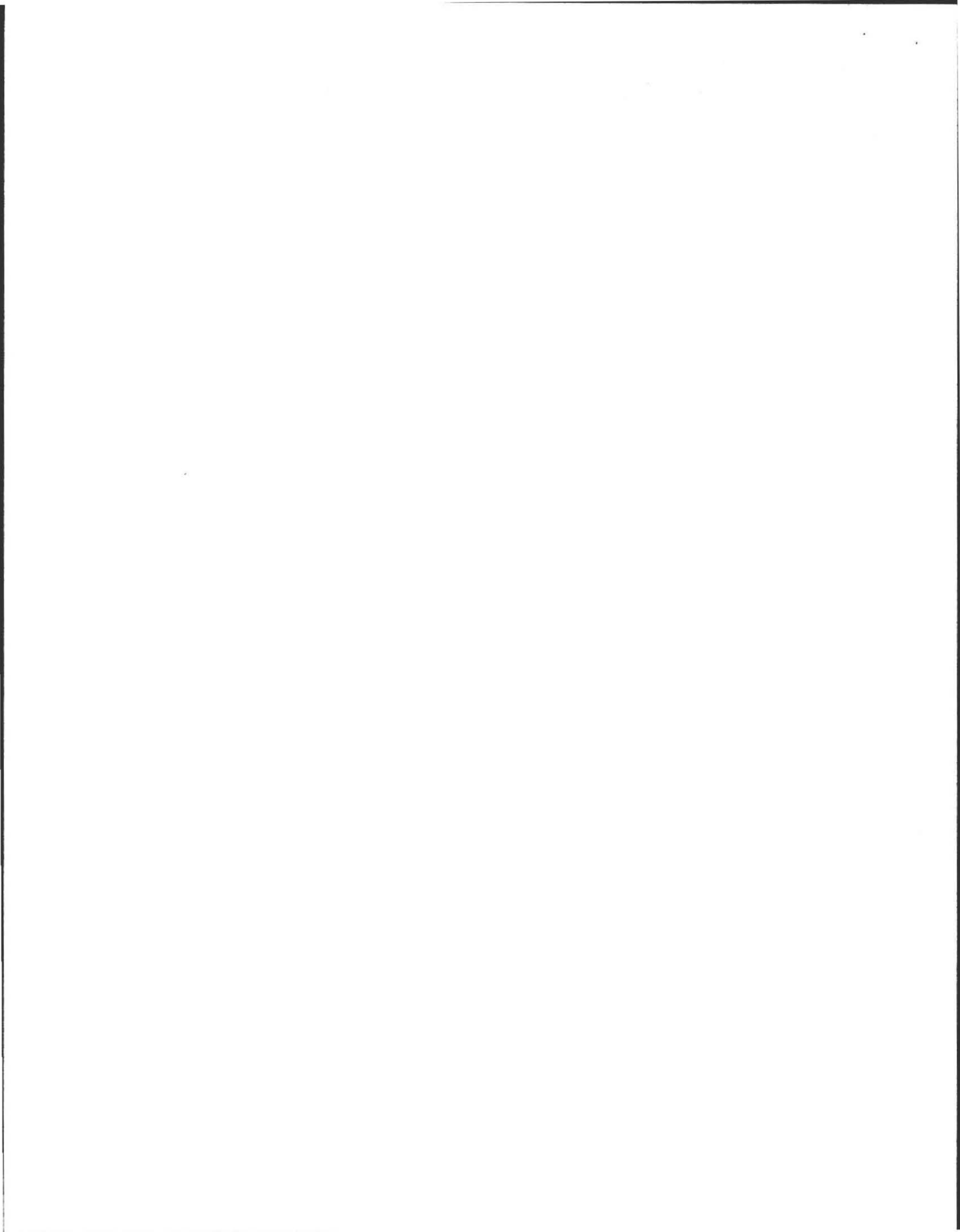
Checked with local excavators, installers - (attach documentation)

Accessed USGS database - explain:

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

work in area, discussions with owner, basement review and existing site records.

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





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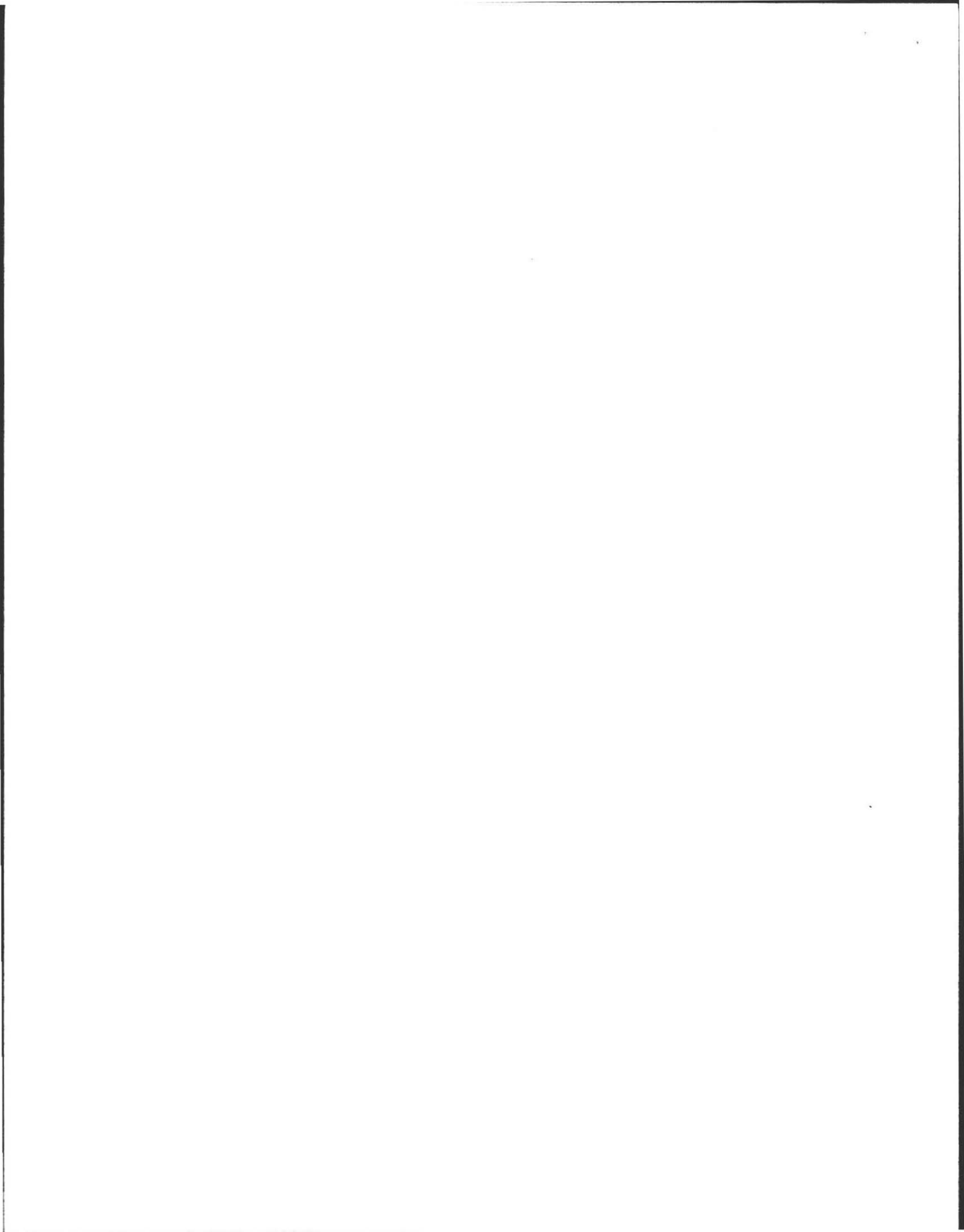
Zip Code

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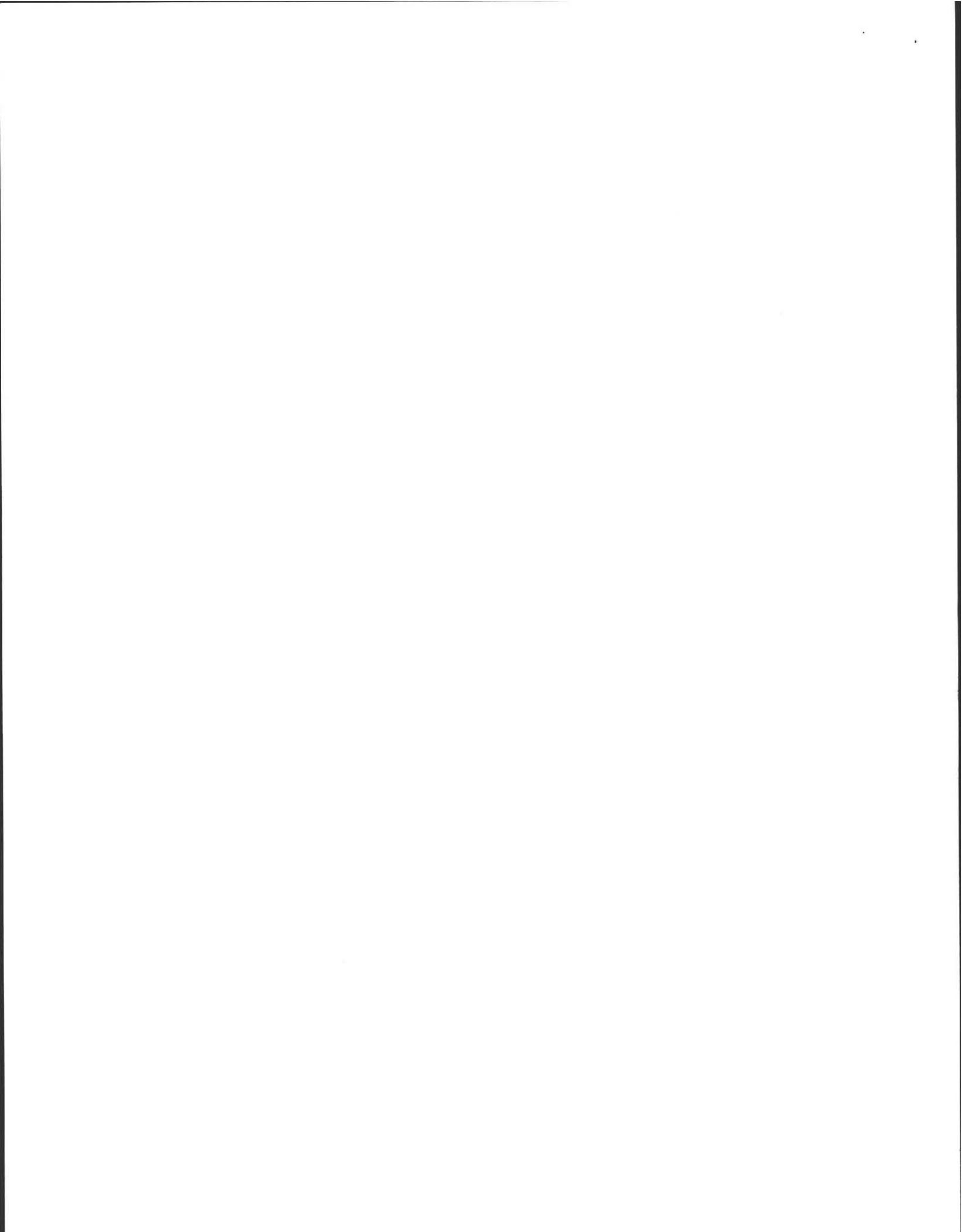
## E. Report Completeness Checklist

- 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



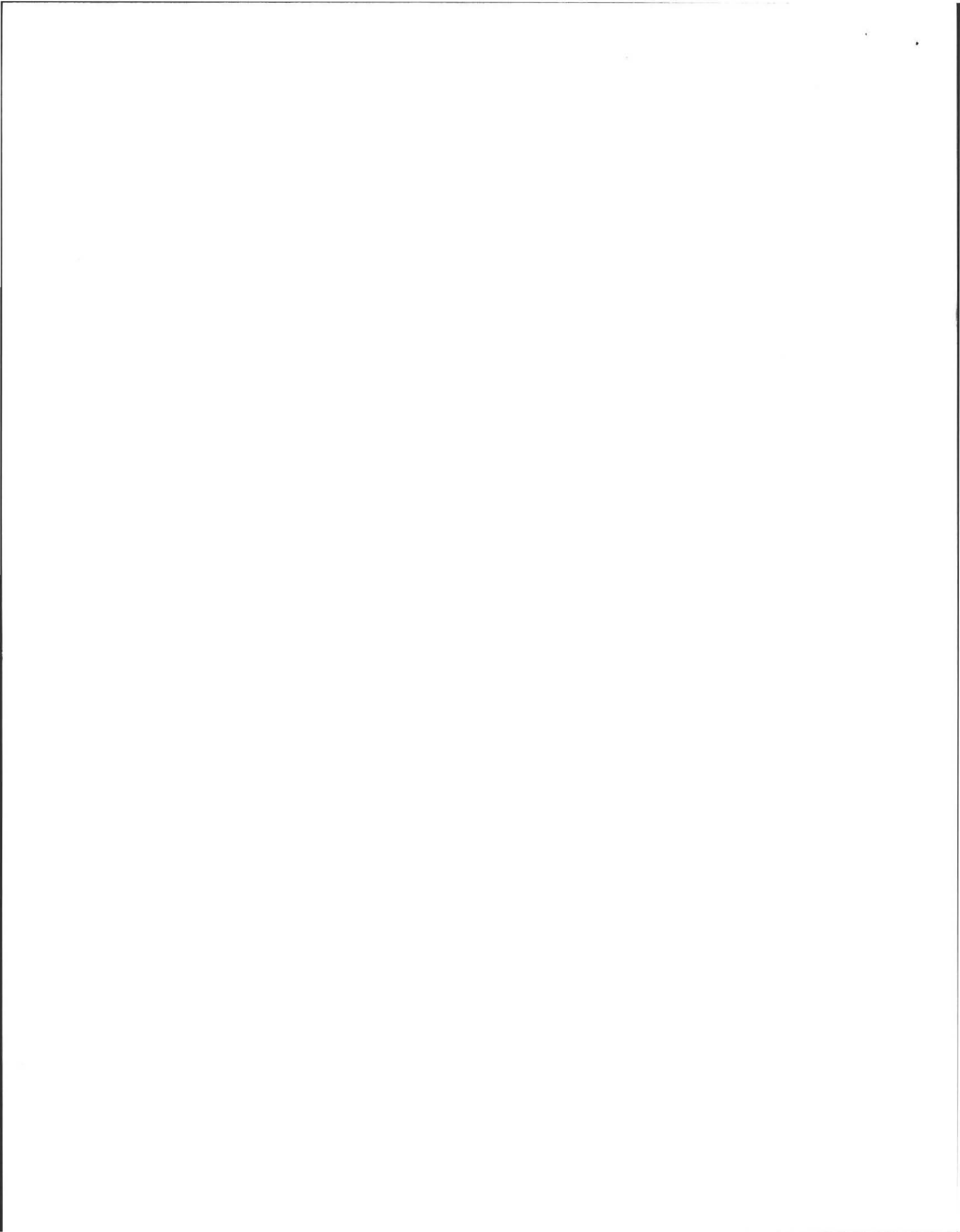


S. Tank Inlet  
23 Dayton Lane  
Amherst, MA  
04.20.2010





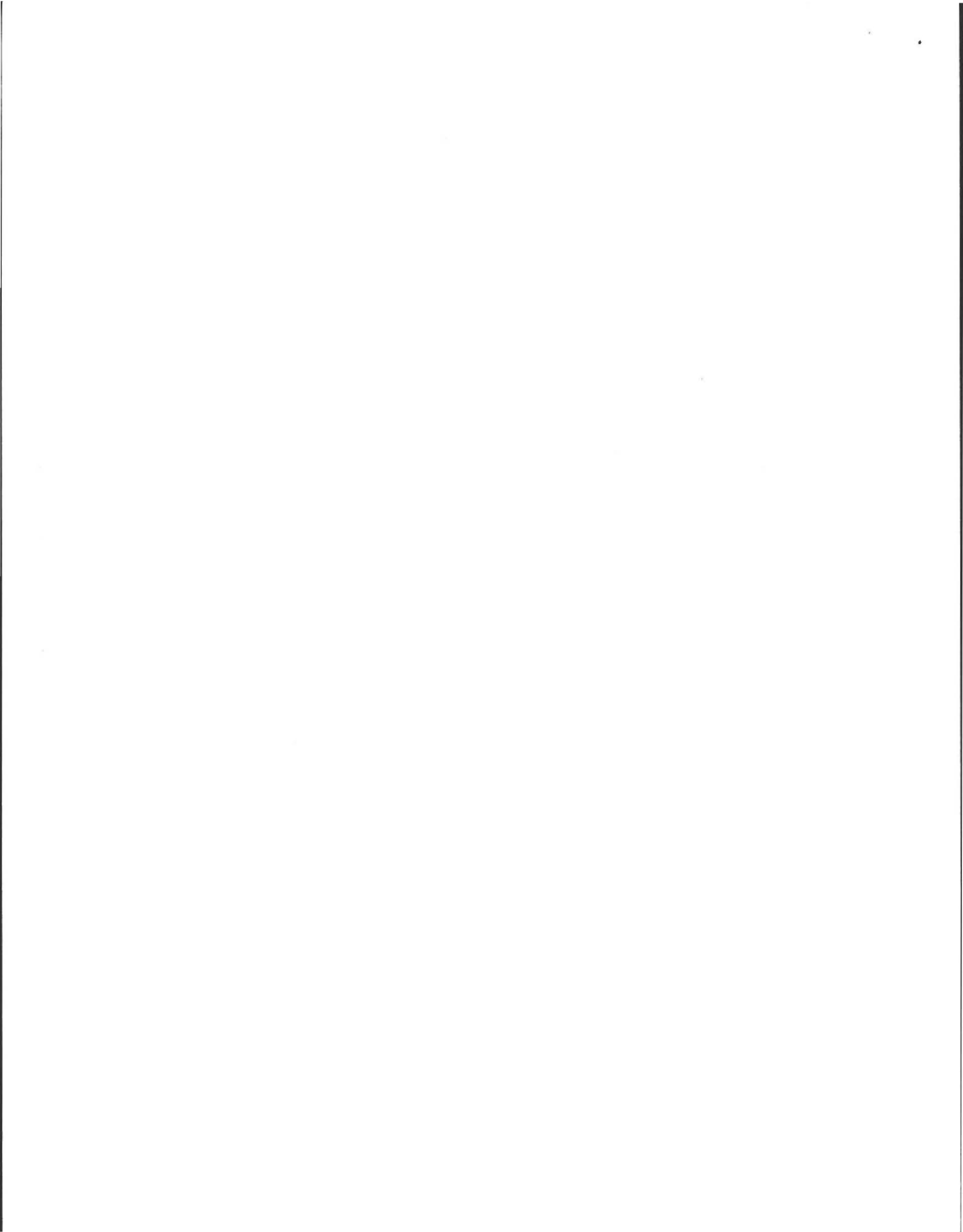
S. Tank Outlet  
23 Dayton Lane  
Amherst, MA  
04.20.2010







Dist Box  
23 Dayton Lane  
Amherst, MA  
04.20.2010



4/2/04

(AW)

293

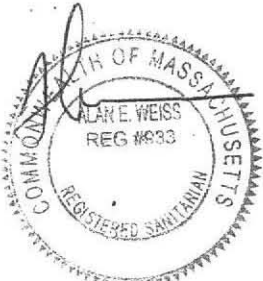
AS BUILT

#23 DAYTON LA

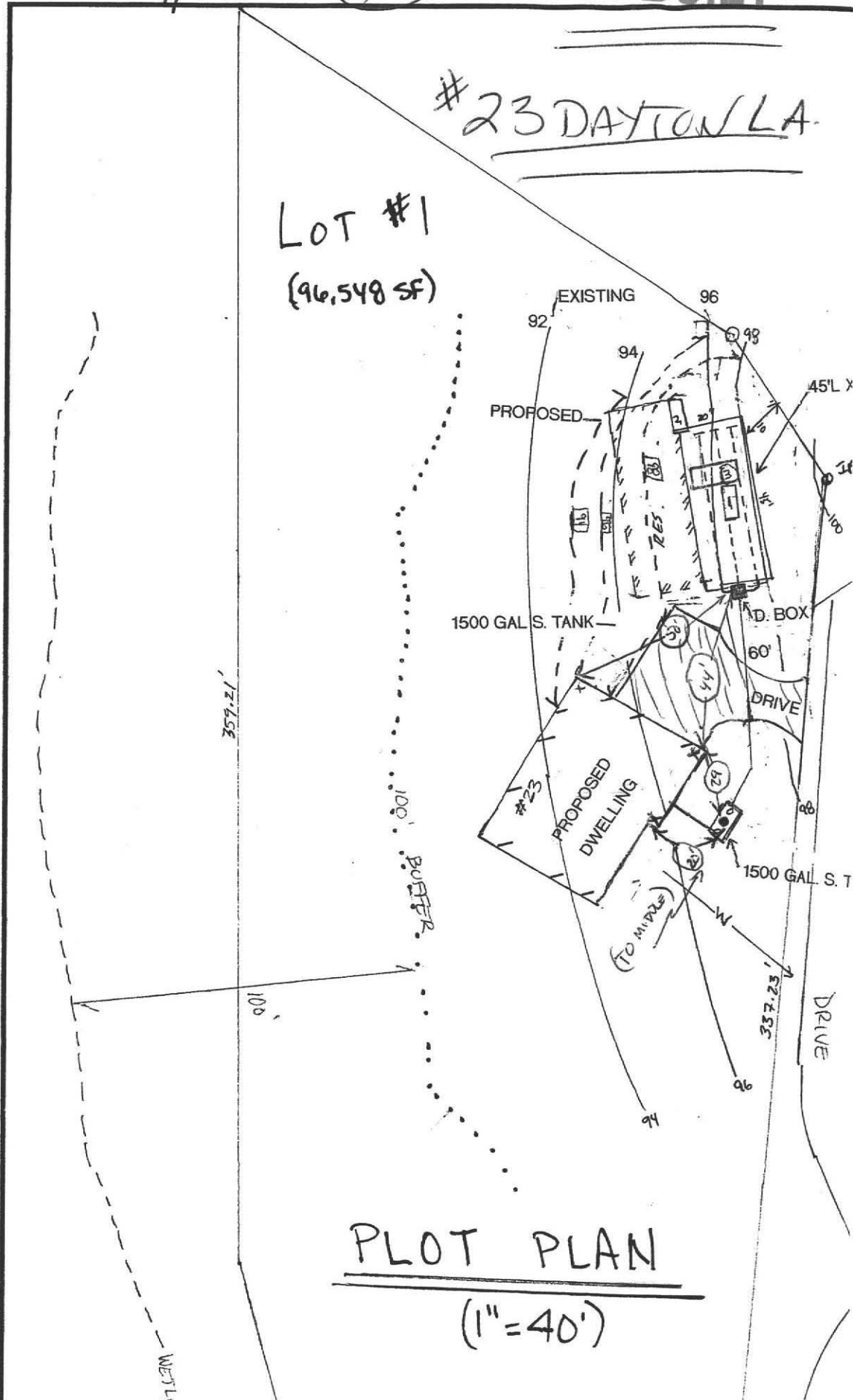
LOT #1

(96,548 SF)

ALL GRADES ON PER DESIGN



4/2/04



PLOT PLAN

(1"=40')

