



## CERTIFICATE OF TITLE 5 INSPECTION

Inspection requested by:

Name: Timothy Doyle

Address: 8 Highland Rd

City, State & Zip: Acton MA 01720-2049

**Report preference:**            **Email**            **Mail**

### Inspection Location:

Street Address: 8 Highland Rd

City, State & Zip: Acton MA 01720-2049

System Type: Tank/SAS            System size: 1500

# of Compartments 2            Filter: Yes

Date of Inspection: 03/13/2026

**NOTE:** This inspection report is valid for 3 years from the date of the inspection, if the tank is pumped annually.



Commonwealth of Massachusetts

Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

8 Highland Rd
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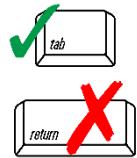
Timothy Doyle
Owner's Name

Acton MA 01720-2 03/13/2026
City/Town State Zip Code Date of Inspection

Owner information is required for every page.

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.

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Inspector Information

Adam Rahaim
Name of Inspector

Northboro Septic Service, Inc. dba Curtis Septic
Company Name

124 Main Street
Company Address

Northboro MA 01532
City/Town State Zip Code

(508) 393-7234
Telephone Number License Number

B. Certification

I certify that: I am a DEP approved system inspector in full compliance with Section 15.340 of Title 5 (310 CMR 15.000); I have personally inspected the sewage disposal system at the property address listed above; the information reported below is true, accurate and complete as of the time of my inspection; and the inspection was performed based on my training and experience in the proper function and maintenance of on-site sewage disposal systems. After conducting this inspection I have determined that the system:

- 1. [X] Passes
2. [ ] Conditionally Passes
3. [ ] Needs Further Evaluation by the Local Approving Authority
4. [ ] Fails

Handwritten signature of Adam Rahaim

03/13/2026
Date

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 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 form should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.

Please note: 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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## C. Inspection Summary

Inspection Summary: Complete 1, 2, 3, or 5 and all of 4 and 6.

### 1) 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:

All system components properly working under its current usage.

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### 2) 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):

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C. Inspection Summary (cont.)

2) System Conditionally Passes (cont.):

[ ] Pump Chamber pumps/alarms not operational. System will pass with Board of Health approval if pumps/alarms are repaired.

[ ] 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 [ ] Y [ ] N [ ] ND (Explain below):

[ ] obstruction is removed [ ] Y [ ] N [ ] ND (Explain below):

[ ] distribution box is leveled or replaced [ ] Y [ ] N [ ] ND (Explain below):

[ ] 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 [ ] Y [ ] N [ ] ND (Explain below):

[ ] obstruction is removed [ ] Y [ ] N [ ] ND (Explain below):

3) 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.

a. 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:



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C. Inspection Summary (cont.)

- 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

b. 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.

c. Other:

Four horizontal lines for additional information.

4) System Failure Criteria Applicable to All Systems:

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

- Yes No Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool
Yes No Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool



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C. Inspection Summary (cont.)

4) System Failure Criteria Applicable to All Systems: (cont.)

- Yes No
Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool
Liquid depth in cesspool is less than 6" below invert or available volume is less than 1/2 day flow
Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped: \_\_\_\_\_.
Any portion of the 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 water supply 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 2000 gpd-10,000 gpd.
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.

5) 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 C.4.

- 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



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C. Inspection Summary (cont.)

If you have answered "yes" to any question in Section C.5 the system is considered a significant threat, or answered "yes" to any question in Section C.4 above the large system has failed. The owner or operator of any large system considered a significant threat under Section C.5 or failed under Section C.4 shall upgrade the system in accordance with 310 CMR 15.304. The system owner should contact the appropriate regional office of the Department.

6. You must indicate "yes" or "no" for each of the following for all inspections:

- Yes No
Pumping information was provided by the owner, occupant, or Board of Health
Were any of the system components pumped out in the previous two weeks?
Has the system received normal flows in the previous two week period?
Have large volumes of water been introduced to the system recently or as part of this inspection?
Were as built plans of the system obtained and examined? (If they were not available note as N/A)
Was the facility or dwelling inspected for signs of sewage back up?
Was the site inspected for signs of break out?
Were all system components, excluding the SAS, located on site?
Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of the baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge and depth of scum?
Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems? The size and location of the Soil Absorption System (SAS) on the site has been determined based on:
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)]



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D. System Information

1. Residential Flow Conditions:

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

Description:

4 bedroom house per owner with a design flow based on 440 gpd per plan

Number of current residents: 4

Does residence have a garbage grinder? [ ] Yes [X] No

Does residence have a water treatment unit? [ ] Yes [X] No

If yes, discharges to:

Is laundry on a separate sewage system? (Include laundry system inspection information in this report.) [ ] Yes [X] No

Laundry system inspected? [ ] Yes [X] No

Seasonal use? [ ] Yes [X] No

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

Detail:

113.7 gpd. See attached

Sump pump? [X] Yes [ ] No

Current

Last date of occupancy: Date



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D. System Information (cont.)

2. Commercial/Industrial Flow Conditions:

Type of Establishment:

\_\_\_\_\_

Design flow (based on 310 CMR 15.203):

\_\_\_\_\_ Gallons per day (gpd)

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

\_\_\_\_\_

Grease trap present?

Yes  No

Water treatment unit present?

Yes  No

If yes, discharges to:

\_\_\_\_\_

Industrial waste holding tank present?

Yes  No

Non-sanitary waste discharged to the Title 5 system?

Yes  No

Water meter readings, if available:

\_\_\_\_\_

Last date of occupancy/use:

\_\_\_\_\_ Date

Other (describe below):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Pumping Records:

Source of information:

\_\_\_\_\_ Last pumped 1/8/26

Was system pumped as part of the inspection?

Yes  No

If yes, volume pumped:

\_\_\_\_\_ gallons

How was quantity pumped determined?

\_\_\_\_\_

Reason for pumping:

\_\_\_\_\_



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D. System Information (cont.)

4. Type of System:

- Septic tank, distribution box, soil absorption system
Single cesspool
Overflow cesspool
Privy
Shared system (yes or no)
Innovative/Alternative technology
Tight tank
Other (describe):

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

2014 per asbuilt

Were sewage odors detected when arriving at the site?

Yes No

5. Building Sewer (locate on site plan):

Depth below grade: 2ft feet

Material of construction:

cast iron 40 PVC other (explain): 4"

Distance from private water supply well or suction line: feet

Comments (on condition of joints, venting, evidence of leakage, etc.): No signs of leakage at this time.



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D. System Information (cont.)

6. Septic Tank (locate on site plan):

6"

Depth below grade:

feet

Material of construction:

[X] concrete

1500 gal dual compartment tank with filter

[ ] metal

[ ] fiberglass

[ ] polyethylene

[ ] other (explain)

If tank is metal, list age:

years

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

[ ] Yes [ ] No

5ft x 10ft x 5ft

Dimensions:

N/A

Sludge depth:

N/A

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

N/A

Scum thickness

N/A

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

N/A

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

N/A

How were dimensions determined?

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

Did not pump tank at time of inspection. We recently pumped it in January. Inlet and outlet baffles connected and in good working condition. Tank was in good condition and showed no signs of leakage. Liquid level was at proper working level to outlet invert. Tank is 6" below grade with risers installed to grade on inlet and outlet.



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D. System Information (cont.)

7. 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

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

8. 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



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D. System Information (cont.)

8. Tight or Holding Tank (cont.)

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 handwritten comments.

\* Attach copy of current pumping contract (required). Is copy attached?

[ ] Yes [ ] No

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

Depth of liquid level above outlet invert

0"

Comments (note if box is level and distribution to outlets equal, any evidence of solids carryover, any evidence of leakage into or out of box, etc.):

Box was level with equal flow to all outlet inverts. No signs of solids carryover. Box was in good condition and showed no signs of leakage. Box is 18" below grade with 10" riser installed to bring cover 8" below grade.

Four horizontal lines for handwritten comments.



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D. System Information (cont.)

10. 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.):

Four horizontal lines for entering comments.

\* If pumps or alarms are not in working order, system is a conditional pass.

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

If SAS not located, explain why:

Three horizontal lines for explaining why SAS is not located.

Type:

[ ] leaching pits number: \_\_\_\_\_

[ ] leaching chambers number: \_\_\_\_\_

[ ] leaching galleries number: \_\_\_\_\_

[ ] leaching trenches number, length: \_\_\_\_\_

[X] leaching fields number, dimensions: \_\_\_\_\_

[ ] overflow cesspool number: \_\_\_\_\_

[ ] innovative/alternative system

Type/name of technology: \_\_\_\_\_

1 at 17ft x 32' per plan



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D. System Information (cont.)

11. Soil Absorption System (SAS) (cont.)

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

No signs of hydraulic failure. No ponding or damp soil. Vegetation appeared normal. Leaching field is Cultec chambers

12. 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

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



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## D. System Information (cont.)

13. 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.):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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## D. System Information (cont.)

### 14. 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

**JOB TYPE:**  
 D-Box  Pipe  Tank  New System  Sewer Line  Pump  T5 Inspection  
 Other \_\_\_\_\_

(NOT TO SCALE)

Depth		A	B	C	D
0.6' R	T-6 I-10	36.5'	22'		
0.6' R	T-6 O-10	41'	29'		
8.4' R	D-Box	67.5'	64'		

Customer Name: \_\_\_\_\_  
 Address: 8 Highland Rd  
 Acton  
 Mailing Address: \_\_\_\_\_

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## D. System Information (cont.)

### 15. Site Exam:

Check Slope

Surface water

Check cellar

Shallow wells

Estimated depth to high ground water: 4ft  
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: 7/10/14  
Date

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:

Per plan. See attached. System raised from original grade.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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



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## E. Report Completeness Checklist

Complete all applicable sections of this form inclusive of:

A. Inspector Information: Complete all fields in this section.

B. Certification: Signed & Dated and 1, 2, 3, or 4 checked

C. Inspection Summary:

1, 2, 3, or 5 completed as appropriate

4 (Failure Criteria) and 6 (Checklist) completed

D. System Information:

For 8: Tight/Holding Tank – Pumping contract attached

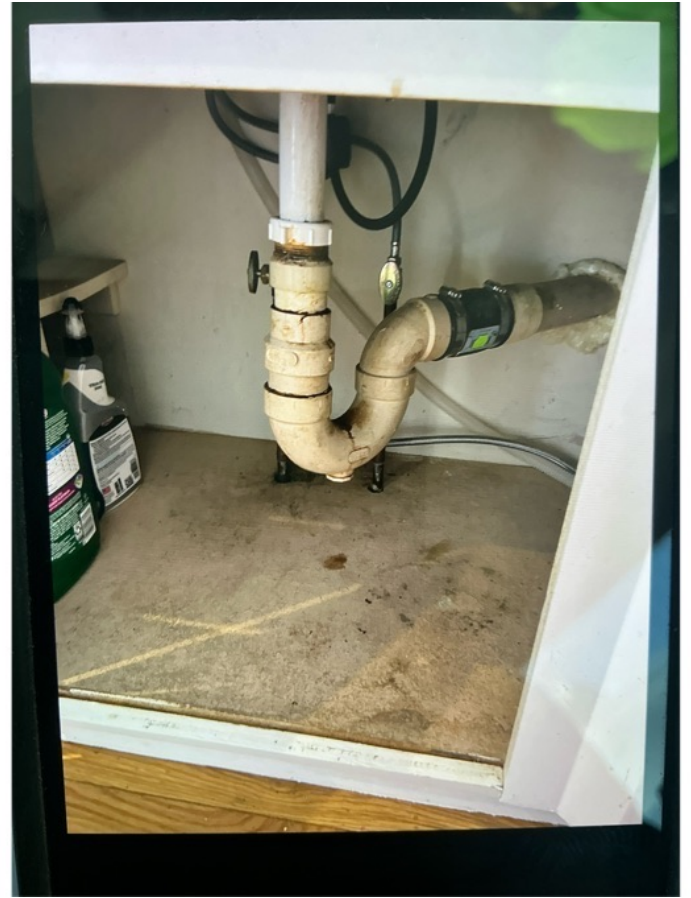
For 15: Sketch of Sewage Disposal System drawn on pg. 16 or attached

For 16: Explanation of estimated depth to high groundwater included

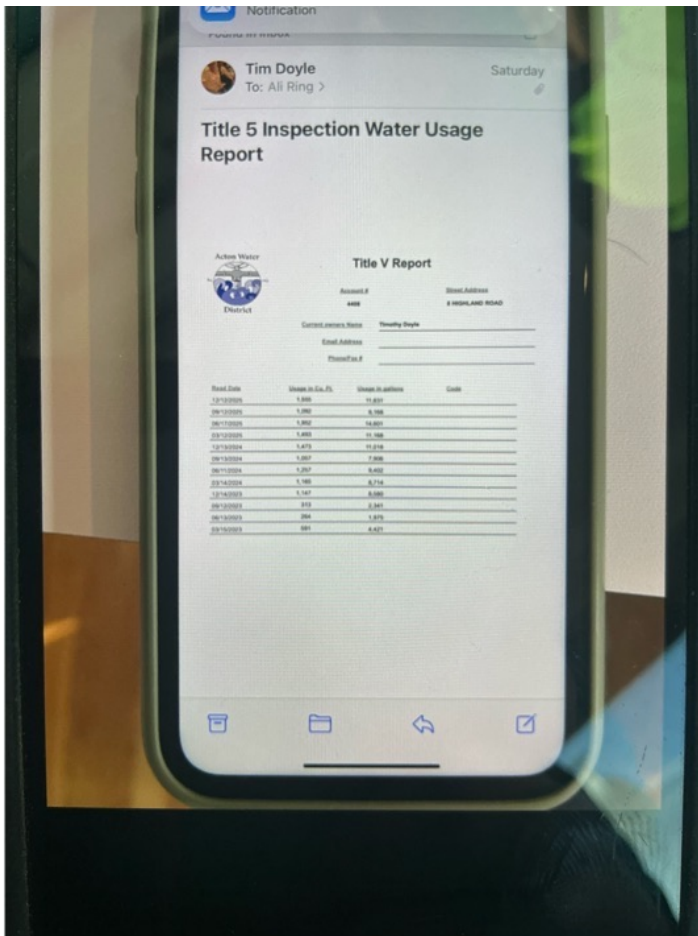
House



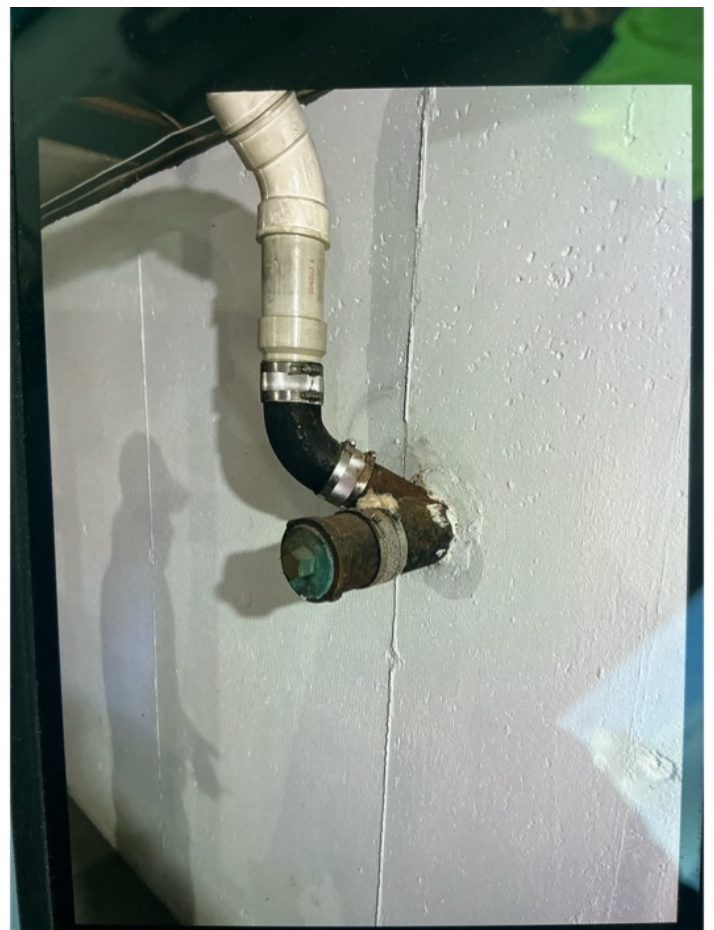
Plumbing



Water usage



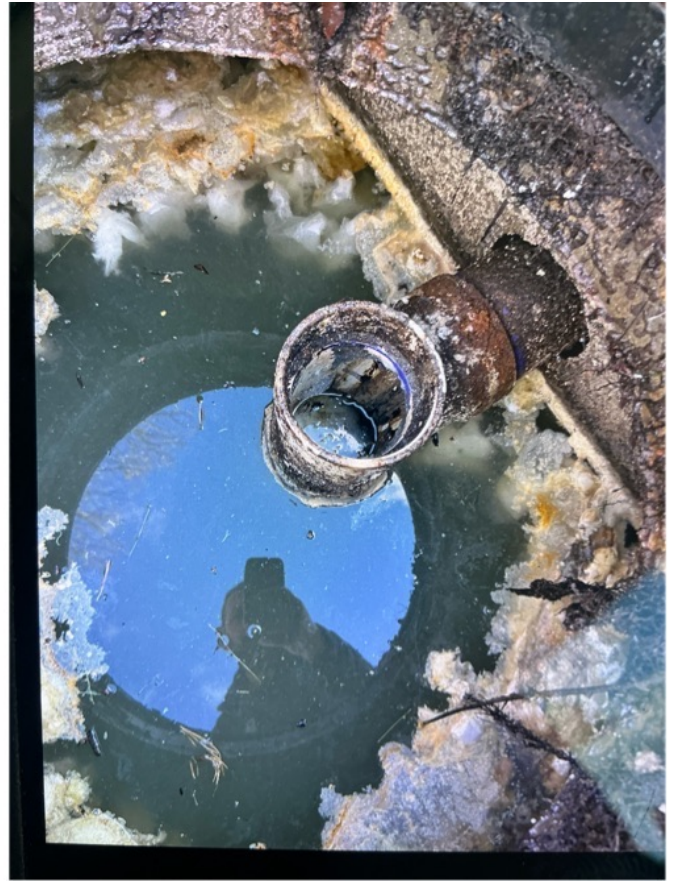
Plumbing



Sub pump



Inlet



Outlet filter



Dbox



Site C1 Paved Driveway  
14' (Date 17.7.12)

Driveway 27.5' x 47'  
@ 80' top and bottom  
7.5' wide 13.5' x 5.5'  
per 310 CMR 15.220

Highland Rd

### SOIL LOGS

TESTHOLE DTH-1

DEPTH	ELEV.
0"	92.90
FILL	
20"	91.23
SANDY LOAM 10YR3/2	
24"	90.90
A <sub>p</sub>	
SANDY LOAM 10YR5/6	
31"	90.32
B	
SANDY LOAM 2.5Y5/5	
48"	88.90(ESHGW)
C <sub>1</sub>	
REFUSAL	
79"	86.32

DATE: 11/26/2013  
EVALUATOR: RICHARD DOLAN, SE  
AGENT: EVAN CARLONI, ACTON SOH

October 2012 Quarterly Water Bill

Quarterly Water Use History

### CERTIFICATION

I, LEVIN J. RICHE, A CIVIL ENGINEER, BUILT LICENSED AS SUCH IN THE COMMONWEALTH OF MASSACHUSETTS, DO HEREBY CERTIFY THAT THIS PLAN HAS VISUALLY INSPECTED THE SURFACE SEWAGE DISPOSAL SYSTEM SHOWN ON THIS PLAN, AND FURTHER CERTIFY THAT THE SYSTEM, AS CONSTRUCTED, GENERALLY CONFORMS WITH THE PROPOSED SEPTIC SYSTEM PLAN FOR 8 HIGHLAND ROAD, ACTON, MA, PREPARED BY CSC CONSULTING, INC. AND APPROVED BY THE ACTON BOARD OF HEALTH ON DECEMBER 16, 2013. OUR CERTIFICATION IS WHOLLY BASED UPON THE RESULTS OF OUR INSPECTION ON JUNE 05, 2014 FINAL SYSTEM. NO WARRANTY OF THE SYSTEM IS HEREBY MADE OR IMPLIED IN PART OR IN WHOLE. NO ALTERATIONS MADE TO THE SYSTEM AFTER THE DATE OF THIS CERTIFICATION ARE ALLOWED WITHOUT THE CONSENT OF THIS FIRM AND THE LOCAL BOARD OF HEALTH.

**SEWAGE DISPOSAL ASBUILT PLAN**  
8 HIGHLAND ROAD  
ACTON, MASSACHUSETTS  
JULY 10, 2014

ASSESSOR'S MAP 01, PARCEL 030

**CIVIL SOLUTIONS, INC.**  
P.O. BOX 107, 388 LITTLETON ROAD, WESTPORT, MA  
PHONE: 978-668-7848 FAX: 978-668-7849  
EMAIL: csi@civilsolutions.net  
WEBSITE: www.civilsolutions.net

SHEET	SCALE	JOB NO.	DRAW. NO.	DATE	REVISION	BY
1 OF 1	1"=20'	14-000	14-000	11-2014	1	REVISION AND SOIL DATA

LEVIN J. RICHE  
REGISTERED ENGINEER OF ACTON  
P.O. BOX 107  
WESTPORT, MA 01981

### ASBUILT LOCATION INFO.

FROM	TO	DIST.
PT A	SEPTIC TANK INLET	22.1 FT
PT B	SEPTIC TANK INLET	35.8 FT
PT A	SEPTIC TANK OUTLET	28.8 FT
PT B	SEPTIC TANK OUTLET	40.9 FT
PT A	D-BOX	63.2 FT
PT B	D-BOX	63.5 FT
PT A	INSPECTION PORT	71.8 FT
PT B	INSPECTION PORT	57.5 FT



