



Commonwealth of Massachusetts

# Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner  
information is  
required for every  
page.

STAGE COACH HEIGHTS PATRIOTS BLVD/ MINUTEMAN LN & PAUL REVERE PATH, HOPKINTON  
Property Address

STAGECOACH HEIGHTS CONDOMINIUMS - C/O SALISBURY MANAGEMENT

Owner's Name

HOPKINTON

City/Town

MA

State

01748

Zip Code

5/25/2023

Date of Inspection

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

**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

Rebecca M. Lynde

Name of Inspector

Lakeside Sewerage Service Inc.

Company Name

780 N. Bigelow Street

Company Address

Marlborough

City/Town

508-485-1063

Telephone Number

Ma.

State

01752

Zip Code

SL14451

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:

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

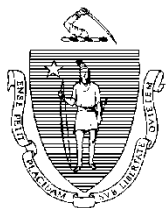
Inspector's Signature

6/1/2023

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:

SYSTEM FUNCTIONING PROPERLY AT TIME OF INSPECTION, PRESSURE DOSE CLEANING WAS PERFORMED ON 5/25/2023 & SQUIRT TEST WAS PERFORMED DURING INSPECTION. SQUIRT TEST RESULTS ATTACHED.

### 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:

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#### 4) 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 checked="" type="checkbox"/> | Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool                                 |
| <input type="checkbox"/> | <input checked="" 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 |



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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 ½ 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

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <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 <b>size and location of the Soil Absorption System (SAS)</b> on the site has been determined based on: |
| <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(5)]   |



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### D. System Information

#### 1. Residential Flow Conditions:

Number of bedrooms (design): 90 Number of bedrooms (actual): 90

DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): 9900 GPD

Description:

(1) 2000 GAL SEPTIC TANK W/ PC FOR BLDG #1 AND (1) SEWER PUMP STATION FOR (5) BLDGS ALL EJECTING TO (1) PRIMARY 22000 GAL SEPTIC, (1) SECONDARY 12000 GAL SEPTIC (1) #12 D-BOX (8) LEACHFIELD PUMP CHAMBERS, (8) 3 TRENCH PRESSURE DOSE SYSTEMS EACH TRENCH 100' LONG. THERE ARE ALSO 7 TROTH TYPE SEWER MANHOLES

Number of current residents: 95 (EST)

Does residence have a garbage grinder? ☐ Yes ☒ No

Does residence have a water treatment unit? ☐ Yes ☒ No

If yes, discharges to: \_\_\_\_\_

Is laundry on a separate sewage system? (Include laundry system inspection information in this report.) ☐ Yes ☒ No

Laundry system inspected? ☐ Yes ☒ No

Seasonal use? ☐ Yes ☒ No

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

Detail:

TOWN WATER

Sump pump? ☐ Yes ☒ No

Last date of occupancy: CURRENT  
Date



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### D. System Information (cont.)

#### 2. Commercial/Industrial Flow Conditions:

Type of Establishment:

N/A

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:

2022 PER MANAGEMENT CO.

Was system pumped as part of the inspection?

☐ Yes ☒ No

If yes, volume pumped:

NOT DUE  
gallons

How was quantity pumped determined?

N/A

Reason for pumping:

N/A





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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) (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) and a copy of latest inspection of the I/A system by system operator under contract
- ☐ Tight tank. Attach a copy of the DEP approval.
- ☐ Other (describe):

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

BUILT IN STAGES. FIRST AS-BUILT STAGE DATE 10/16/06 FINAL AS-BUILT 11/8/2013

Were sewage odors detected when arriving at the site?

☐ Yes ☒ No

#### 5. Building Sewer (locate on site plan):

Depth below grade:

VARY - AVERAGE 2.4'

feet

Material of construction:

☐ cast iron

☒ 40 PVC

☐ other (explain):

Distance from private water supply well or suction line:

N/A

feet

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

NO PROBLEMS REPORTED BY MANAGEMENT CO.



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### D. System Information (cont.)

6. **Septic Tank** (locate on site plan):

Depth below grade:

PRIMARY 22" B.G. SECONDARY  
22" B.G. BLDG#1 12"

Material of construction:

☒ concrete

☐ metal

☐ fiberglass

☐ polyethylene

☐ other (explain)

ALL COVERS EXTENDED TO GRADE. PRIMARY SEPTIC 22000 GAL SECONDARY SEPTIC  
12000 GAL BLDG #1 SEPTIC 2000 GAL

If tank is metal, list age:

years

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

☐ Yes

☐ No

Dimensions:

(1) W10' X D7' X L42' (2) W7.5' X  
D11.5' X L19' (3) W6' X D4' X L12'

Sludge depth:

TANK 1&2 18" --BLDG1 TANK 12"

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

SECONDARY 86"

Scum thickness

SECONDARY 2"

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

8"

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

32"

How were dimensions determined?

ESTIMATED

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

ALL TANKS, BAFFLES, EXTENSIONS & COVERS GOOD, TANKS HOLDING A PROPER LEVEL  
WITH NO EVIDENCE OF LEAKAGE. RECOMMEND PUMPING ALL TANKS EVERY 2 YEARS OR  
AS NEEDED. & INSPECTING QUARTERLY AS REQUIRED BY PLANS



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### D. System Information (cont.)

7. **Grease Trap** (locate on site plan):

Depth below grade:

N/A  
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:

N/A

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.):

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\* 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.):

#12 D-BOX EXTENDED TO GRADE, IN GOOD CONDITION, NO EVIDENCE OF DETERIORATION OR LEAKAGE. BOX WAS CLEANED AT TIME OF INSPECTION & SHOULD BE CHECKED EVERY PUMP SERVICE OF SEPTIC TANKS & CLEANED AS NEEDED. DISTRIBUTION WAS EQUAL WITH SPEED LEVELERS.

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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.):

SEWER EJECTION PUMP 1 NO PROBLEMS OBSERVED, SEWER EJECTION PUMP 2 NO PROBLEMS OBSERVED & 8 LEACHFIELD PUMP CHAMBERS ALL FUNCTIONING PROPERLY AT TIME OF INSPECTION NO PROBLEMS WERE OBSERVED. RECOMMEND LEACHFIELD PUMPS IN CHAMBERS 2,3,4,7 & 8 BE CHECKED FOR VOLUME OUTPUT DUE TO LOW SQUIRT TEST HEIGHTS.

\* 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:

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Type:

- |                                     |                               |                     |                       |
|-------------------------------------|-------------------------------|---------------------|-----------------------|
| <input type="checkbox"/>            | leaching pits                 | number:             | _____                 |
| <input type="checkbox"/>            | leaching chambers             | number:             | _____                 |
| <input type="checkbox"/>            | leaching galleries            | number:             | _____                 |
| <input checked="" type="checkbox"/> | leaching trenches             | number, length:     | <u>(24) 100' LONG</u> |
| <input type="checkbox"/>            | leaching fields               | number, dimensions: | _____                 |
| <input type="checkbox"/>            | overflow cesspool             | number:             | _____                 |
| <input type="checkbox"/>            | innovative/alternative system |                     |                       |

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



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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, VEGETATION WAS NORMAL & SOIL WAS DRY. PROBED STONE IT WAS DRY. ALL GATE VALVES APPEAR TO BE FUNCTIONING PROPERLY, DISTAL ENDS CHECKED, CLEANED & SQUIRT TESTED. RESULTS SIMILAR TO PREVIOUS REPORTS. LINE (1) OF PC #7 SHOULD BE CHECKED WITH CAMERA FOR ISSUES IF NO VOLUME ISSUE FOUND. WATER WAS RECEIVED DURING CLEANING BUT NO SQUIRT TEST HEIGHT WAS OBSERVED. SOME PLASTIC VALVE BOX COVERS ARE BROKEN AND SHOULD BE REPLACED.

### 12. Cesspools (cesspool must be pumped as part of inspection) (locate on site plan):

Number and configuration

N/A

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.):



Commonwealth of Massachusetts

# Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

STAGE COACH HEIGHTS PATRIOTS BLVD/ MINUTEMAN LN & PAUL REVERE PATH, HOPKINTON  
Property Address

STAGECOACH HEIGHTS CONDOMINIUMS - C/O SALISBURY MANAGEMENT

Owner's Name

HOPKINTON

City/Town

MA

State

01748

Zip Code

5/25/2023

Date of Inspection

Owner  
information is  
required for every  
page.

## D. System Information (cont.)

13. **Privy** (locate on site plan):

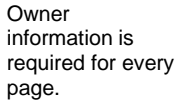
Materials of construction:

N/A

Dimensions

Depth of solids

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



## Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Date of Inspection

## Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 16 of 19





Commonwealth of Massachusetts

# Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

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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:

4' (RAISED SYSTEM)  
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:

12/29/2004  
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:

SOIL EVALUATION ON 10/1/2001 BY ROBERT POXON  
DTH#1 THRU #4 ALL SHOW MOTTling @ 48"

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



Commonwealth of Massachusetts

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

For 15: Explanation of estimated depth to high groundwater included

# Stagecoach Heights Condo - Hopkinton

date: 5/26/2023

Squirt test and inspection

pump station #1	floats, pumps and alarm test OK			
hours pump #1	#1	3900	#2	2442

pump station #2	floats, pumps and alarm test OK			
hours pump #2	#1	433	#2	431

	hours		height		height		height		notes
	pump 1	pump 2	trench 1	trench 2	trench 1	trench 2	trench 3	trench 3	
leachfield - PC #1	77	71	11"	50"+	10"	50"+	14"	60"+	
leachfield - PC #2	142	126	0"	46"	0"	60"+	0"	60"+	needed 2 pumps to get height
leachfield - PC #3	3065	231	0"	34"	0"	47"	0"	49"	needed 2 pumps to get height
leachfield - PC #4	82	85	0"	26"	0"	28"	0"	32"	needed 2 pumps to get height
leachfield - PC #5	2136	4281	5"	60"+	0"	60"+	12"	60"+	
leachfield - PC #6	2755	9496	10"	60"+	12"	60"+	34"	60"+	
leachfield - PC #7	620	197	0"	0"	0"	20"	0"	28"	needed 2 pumps to get height
leachfield - PC #8	1088	2296	0"	29"	0"	38"	0"	39"	needed 2 pumps to get height
primary septic tank - W10' x D7' x L42' = 22,000 gal secondary septic tank - W7.6' x D11.5' x L19' = 12,000 gal outlet baffle 34" bldg. #1 septic tank - W6' x D4' x L12' = 2000 gal #12 D-Box W/ speed levelers									
Recommended pumps in leach field be checked for volume output for PC #'s 2,3,4,7 and 8. Also recommend checking pressure dose line #1 of PC #7 with camera if next test reveals similar results.									