

March 28, 2024

Town of Bourne

24 Perry Avenue Bourne, MA 02532 RECEIVED

By Bourne Health Department at 11:59 am, Apr 17, 2024

3 Main Street Lakeville, MA 02347 (508) 947-4208 - www.zcellc.com

➢ Civil Engineering
 ➢ Septic Design (Title 5)
 ➢ Septic Inspections (Title 5)
 ➢ Commercial and Industrial Site Plans
 ➢ Chapter 91 Permitting

RE: Existing Septic System Approval for a Building Permit Application
122 Wings Neck Road in Bourne MA

Dear Ms. Shea and Board Members,

On behalf of the property owner, Zenith Consulting Engineers, LLC. is requesting written approval for the existing septic system from the Board of Health. This request is being made in accordance with the Conversion/Addition Regulation section of the Town of Bourne Board of Health Subsurface Sewage Disposal System Regulations. We are requesting this written approval to allow the property owner to proceed with an application for a building permit. The building permit is for an addition to the existing single family residential dwelling. This addition does not add bedrooms nor does it propose any increase in flow to the existing septic system. A title inspection was performed at the property (copy of report is attached to application package) with the health agent as witness.

The applicant is requesting the following variances for the existing system from the Bourne Board of Health Subsurface Sewage Disposal System Regulations:

- 1. A variance to allow a leaching field (existing field) less than 150' but greater than 75' to a wetland resource area.
- 2. A variance to allow a subsurface sewage disposal system (existing system) in a Special Flood Hazard Zone. The existing lot is completely in the special flood hazard zone. The existing system is located at the highest point on the property.
- 3. A variance is requested to not require a hydrogeologic study for a leaching facility within 100' of a wetland.

Should you have any questions regarding this request, please do not hesitate to call the office at 508-947-4208 or email <a href="mailto:jamie@zcellc.com">jamie@zcellc.com</a>.

Sincerely,

**Zenith Consulting Engineers, LLC** 

Jamie Bissonnette, PE Manager/Senior Engineer

### Locus: 122 Wings Neck Road Bourne, MA Assessors ID 37.4-34-0

### **Board of Health Variance Attachments**

- 1 Towns Application
- 2 11" x 17" Engineered Plan (full size plan also submitted)
- 3 Percentage of Increase Worksheet and Floor plans by Rescom
- 4 Nitrogen Loading Worksheet
- 5 Title V Inspection Report
- 6 Proof of Payment
- 7 Certified Abutters List
- **8** Abutter Notification
- 9 Proof of Abutter Notification





### Bourne Board of Health Application for Septic Variance or Waiver Requests



In accordance with the established procedures of the Bourne Board of Health, this application is for septic variances and waivers which have not been approved administratively and require approval at a public meeting. Please use the following application form for guidance on how to apply for variances and waivers which serve new construction, changes in use, increases in flow, or repairs and upgrades to on-site sewage disposal systems with design flows of less than 10,000 gallons/ day.

1. Faci	ility Name and Address:
	Owner's Name
•	Facility's Street Address
•	Owner's Telephone Number
•	Owner's E-mail Address
•	Owner's Mailing Address
2. App	licant or Preparer's Name and Address (if different from above):
	Preparer's Name
•	Company
•	Telephone Number
•	E-mail Address
	Mailing Address
3. Туре	e of Facility (check all that apply):
	☐ Residential ☐ Commercial ☐ Institutional ☐ School ☐ Industrial ☐ Mixed Use
4. Des	cribe Facility (i.e. single-family dwelling, 45 seat restaurant):
5 Type	e of System Proposed (check all that apply):   Conventional Title 5   I/A System
J. Type	□ Pumped System □ Gravity System □ Pressure Dosed □ Tight Tank □ Other

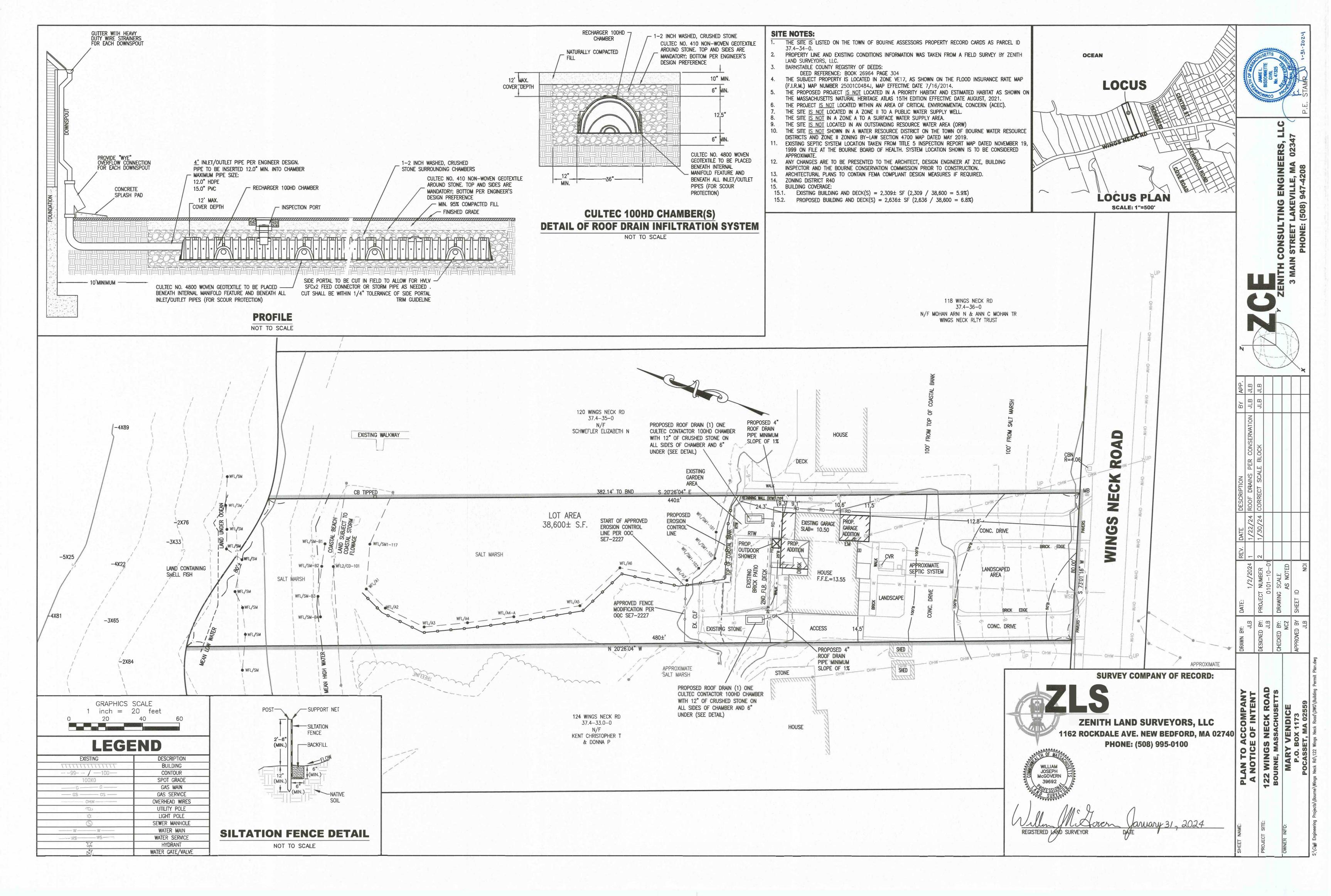
Rev. 3/3/23 Page **1** of **2** 

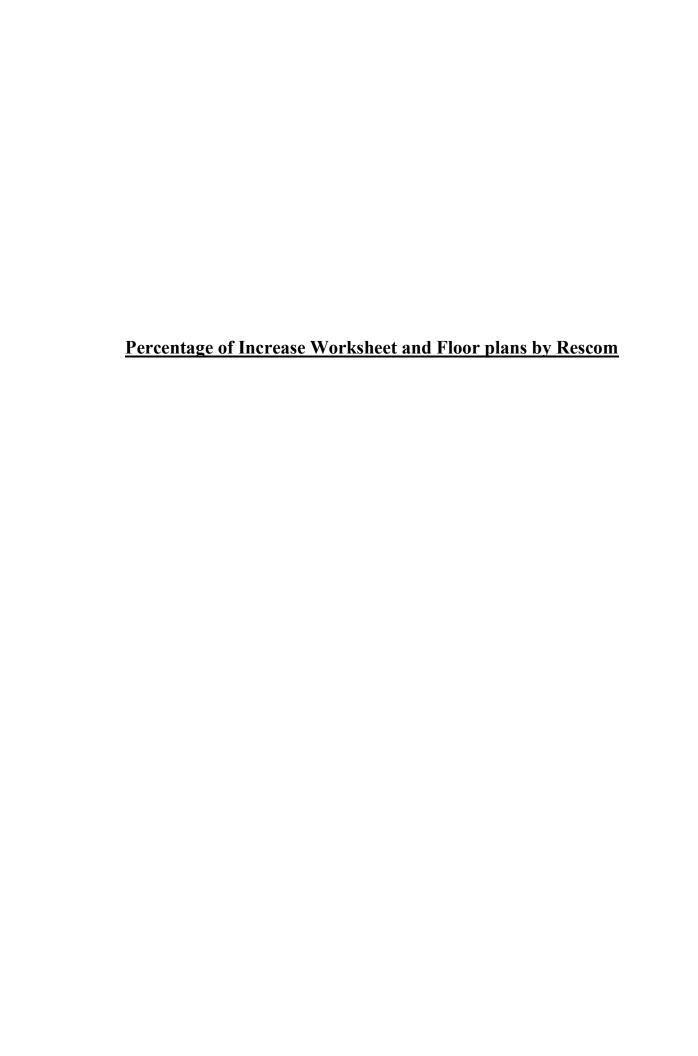
6. Describe the existing and propo	osed septic system com	ponents: Septic tank, d-box and leaching field
		<u>*</u>
7. Design Flow per 310 CMR 15.2	203 (in gallons/ day):	
	EXISTING	PROPOSED
Design flow of system:	4 Bedroom	4 Bedroom
Total design flow of facility (if more than one system on subject pro	4 DEULOOIII	4 Bedroom
Title 5 and/ or the Board Bourne of opportunity to demonstrate complicing circumstances of the individual carenforcement of the provision from substantially all beneficial use of the why full compliance with the applipart of the protection that is at least equivalence of the provision from th	of Health Regulations for liance with 310 CMR 15 ase. Note that with regand which a variance is sout the subject property in contract cable regulations is not ent to that provided under polication of said regulations.	
9. In order for this Application to b	e deemed complete, it i	must be accompanied by the following:
<ul><li>□ Application for a Dispos</li><li>□ Six copies of Letter of R</li><li>□ Six sets of complete en</li></ul>	al System Construction equest describing natur gineered plans and spe	cifications, one with original stamp of design
engineer; plus, one elec 310 CMR 15.220(4).	etronic copy. All variance	s/ waivers must also be listed on the plans pe
☑ Six sets of floor plans, e	existing and proposed.	
		ssheet *required for all applications.
	•	f the following must be submitted: s from the Assessor's Department.
		postmarked 10 days prior to meeting date.
•		neeting requirements of 310 CMR 15.405(2).
	<b>O</b> \ ,	ive septic systems must be accompanied by:
		cluding technology specific conditions.
		chnology to be recorded in the deed.
Hydrogeologic data may wetland/watercourse.	be required for new lea	ching facilities proposed within 100ft of a
	Worksheet may be requ	ired for waivers or increases in flow.
O. Certification:	workenese may so requ	need for warrene or interest seem from
"I certify under penalty of law that this are true, accurate, and complete. I ar	n aware that there may be	ments, to the best of my knowledge and belief, e significant consequences for submitting false or imprisonment for deliberate violations."
Facility Owner's Signature	nje Verdu	Date 3/29/2021
Print Name Mary EVe	ndice	•
Signature of Preparer	3	Date 3.30.2024
Print Name Jamie Bissonnet	te 💛	

Page 2 of 2

Rev. 3/3/23

11" x 17" Engineered Plan (full size plan also submitted)







Terri A. Guarino Health Agent

## TOWN OF BOURNE BOARD OF HEALTH

24 Perry Avenue
Buzzards Bay, MA 02532
www.townofbourne.com/health
Phone (508) 759-0600 ext. 1513
Fax (508) 759-0679



### Percentage of Increase Worksheet

Date of Hearing: Address of Hearing: Owners Mailing Address:

Request for variances or waivers that include renovations, alterations, or additions to the existing dwelling, architecturals of the existing house and the proposed house must be submitted to the Board of health at the time of the variance or waiver request and shall include the following:

	<b>EXISTING</b>	PROPOSED	% INCREASE
Bedroom Square Footage (any labeled bedroom and or room which provides minimum seclusion as per Board of Health definition)	791 SF.	850 SF.	7.45°10
Non-Bedroom Space (living room, kitchen, bathrooms, closets, hallways etc.)	2,021 SF.	2,072SF.	2.52%

Percentage of Total Increase 9.97

For the purpose of any variances or waiver requests for a reduction in the 150 foot setback to the wetlands/top of coastal bank, which includes a proposal for renovations, alterations or additions to the existing dwelling, the following guidelines shall apply:

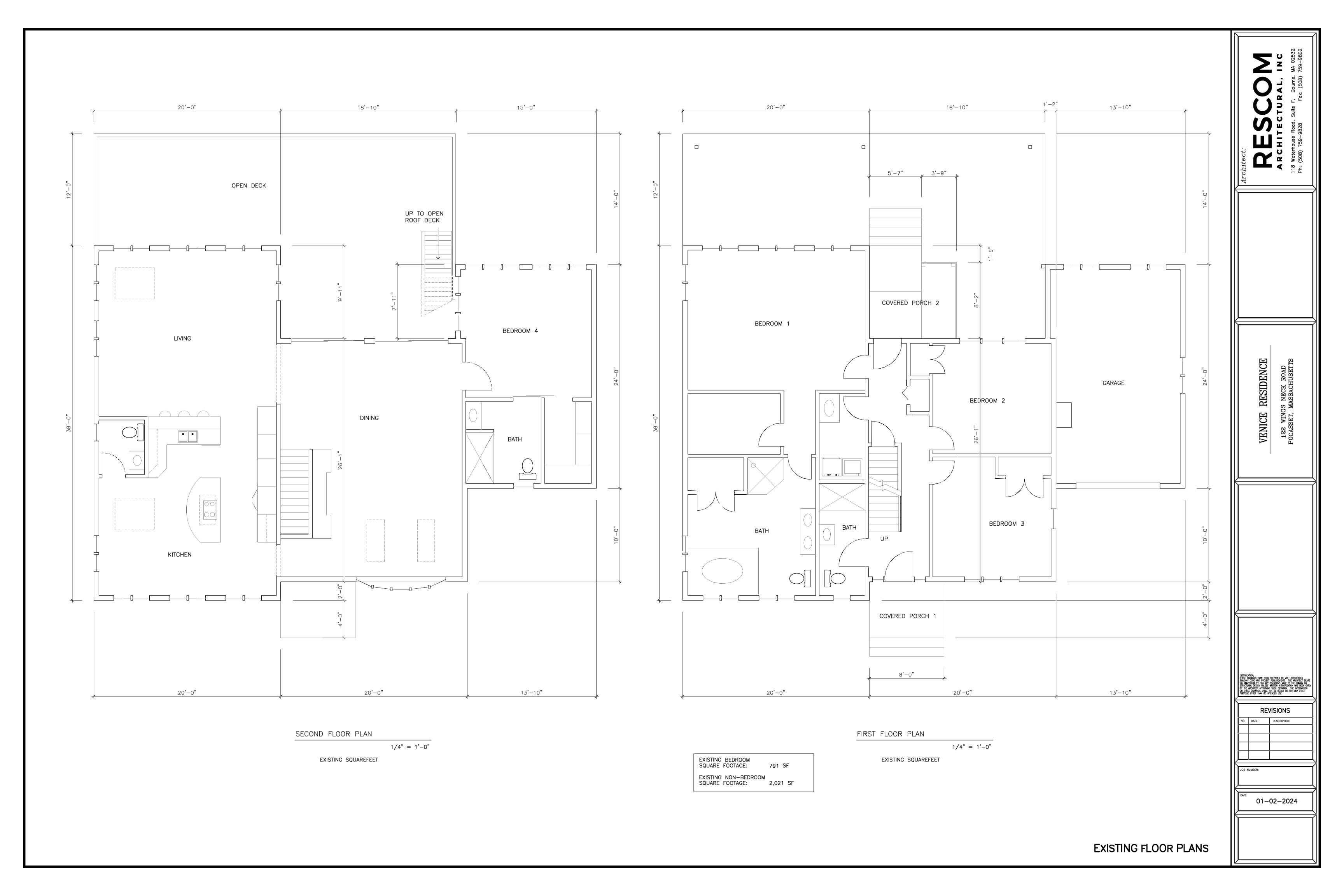
For projects where the renovations, alterations or additions result in an increase of bedroom space by Board of Health definition, of 25% or greater, a septic system which includes nitrogen removal, i.e. some type of Alternative Technology System with pressure dosing shall be required

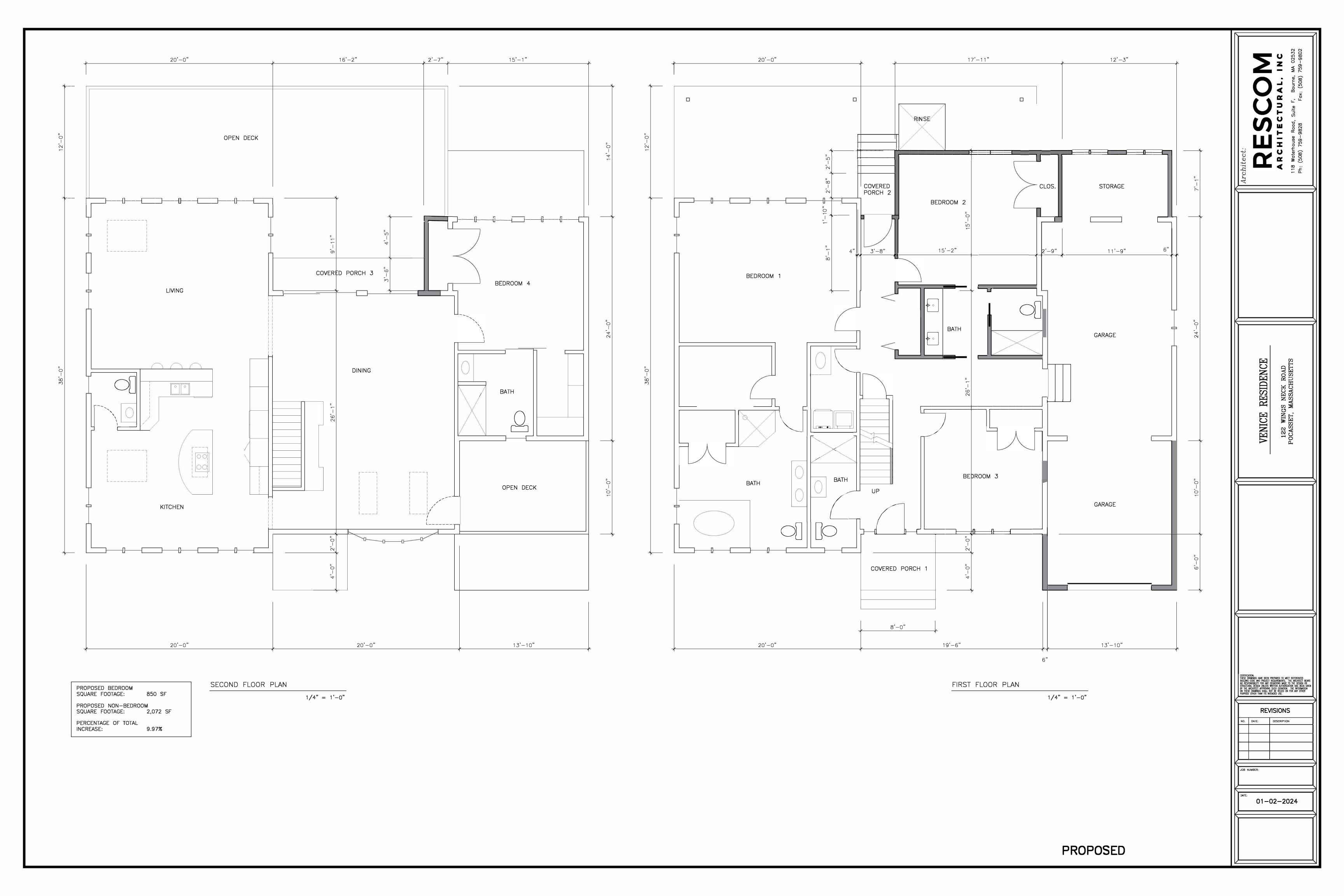
For projects where the renovations, alterations or additions result in an increase of non-bedroom space such as kitchen, living room, bathroom etc. of 50% or greater an Alternative Technology system may be required.

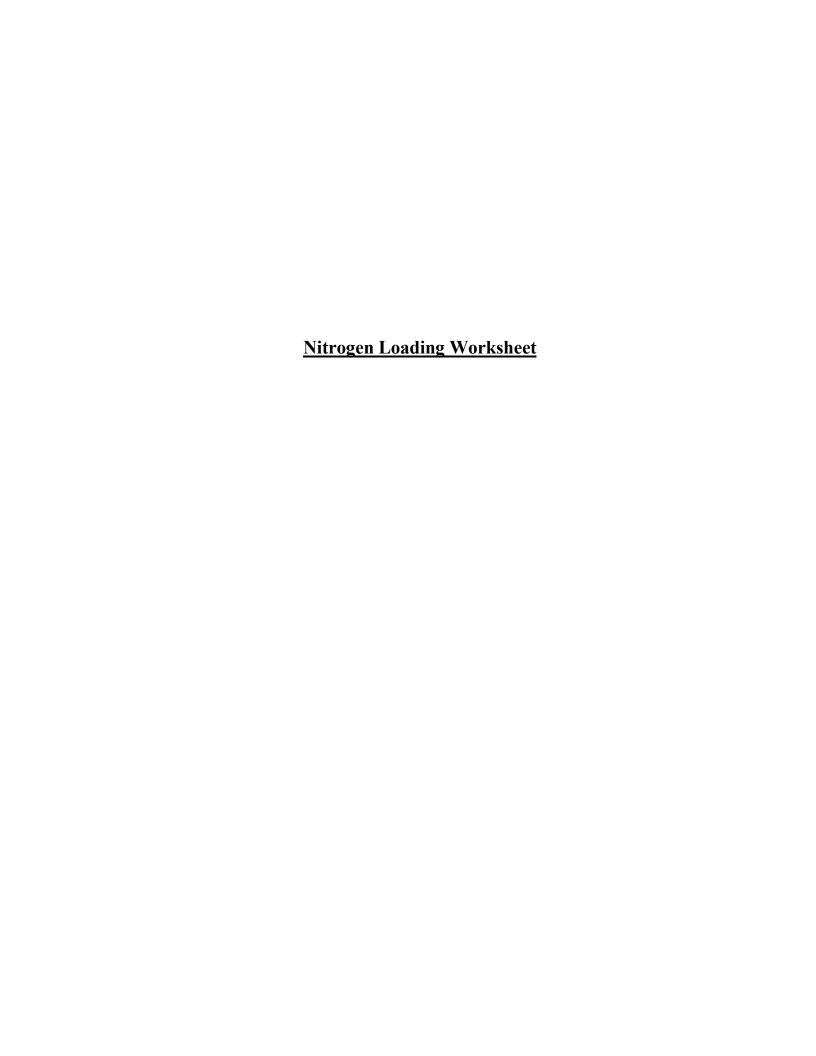
#### Formula for total increase percentage:

Subtract existing from proposed = square footage added Divide square footage added by existing = % increase

**800 existing 1200 proposed** 1200 – 800 = 400 square footage added 400 / 800 = 50% increase









### Town of Bourne - Water Resources Nitrogen Loading and Mitigation Worksheet See Cape Cod Commission Technical Bulletin 91-001 for further details:

https://capecodcommission.org/resource-library/file/?url=/dept/commission/team/Website Resources/regulatory/NitrogenLoadTechbulletin.pdf

Facility Address: 122 Wings Neck Road Bourne Preparer's Name: Jamie Bissonnette

Date:

Watershed:

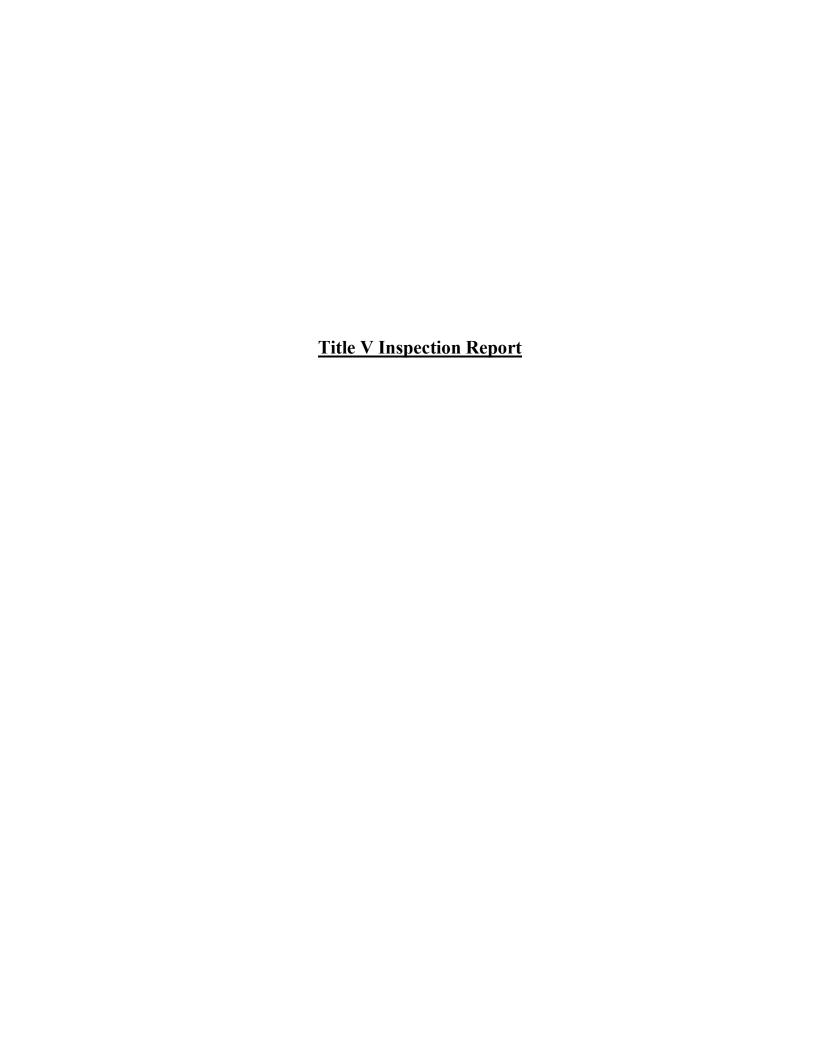
Project Nitrogen Load Proposed Wastewater New Construction/ Increases in Flow, Raze & Rebuild, or Repairs/ Upgrades **Existing Conditions** Calculate (A') through (P') as w/ (A) through (P): Project Title-5 wastewater flows: 440.0 Title-5 wastewater flows: gpd gpd Actual wastewater flows: (b) Actual wastewater flows: Average wastewater flows: 307.5 gpd (A) Avg. wastewater flows: (A') Place √ in applicable box: \* Actual water use flows per unit in Bourne Will the project be connected to sewer? Place V in applicable box: Is project Title-5 wastewater flow 10,000 gpd or greater? Is existing development on sewer? (If 'Yes', then go to line 2.) Place  $\forall$  in applicable box and multiply unsewered wastewater flow by applicable conversion factor: Standard Title-5 System (35-ppm-N) 0.048359 Standard Title-5 System DEP-approved I/A System (25-ppm-N) 0.034542 DEP-approved I/A System (commercial) DEP-approved I/A System (19-ppm-N) 0.026252 DEP-approved I/A System (residential) DEP-approved Enhanced I/A (12-ppm-N) 0.016580 DEP-approved enhanced I/A Wastewater nitrogen load (Title-5 flows) = 21.28 kg-N/yr 21.28 kg-N/yr (B') 8.46 kg-N/yr Wastewater nitrogen load (Actual flows) = 8.46 kg-N/yr (C) (C') wastewater offsets Stormwater Runoff Town of Bourne Recharge rate for Bourne (inches; for natural areas from Technical Bulletin 91-001):: 21 (RECH) Project site area: Project site area: 0.886 acres (D) 0.886 acres (D) Project site wetland area: Project site wetland area: 0.392 acres (E) (E) Project site upland area: Project site upland area: 0.494 acres 0.494 acres (F) Pervious unpaved upland: 0.332 acres (G) Pervious unpaved upland: 0.345 acres (G') 0 % using LID Paved area: 4.860 Paved area: 4,860 s.f. (H') Factor may be adjusted for employment of LID → 0.68809824 kg-N/yr LID = low impact development Paving runoff offset: 0.6881 kg-N/yr (l') (I) Roof area: 2,212 Roof area: 1,651 s.f. (J) x 7.0792E-05 0.1566 kg-N/yr Roof runoff offset: 0.1169 kg-N/yr (K) (K') Fertilizer Previous unpaved upland - roof area = Managed turf/ lawn area Managed Turf/ lawn area: 11.964 s.f. x 3.4019E-04 4.036 kg-N/yr Fertilizer offset: 4.070 kg-N/yr (L') (L) Total Nitrogen Load Total project nitrogen load (Title-5 flows): 26.16 kg-N/yr Existing nitrogen load (Title-5 flows): 26.15 kg-N/yr (M)=(B)+(I)+(K)+(L)(M') Total project nitrogen load (Actual flows): 13.34 kg-N/yr (C)+(I)+(K)+(L)Existing nitrogen load (Actual flows): 13.34 kg-N/yr (N') Nitrogen load per acre (Average): 22.29 kg-N/yr/acre (O)= (M)+(N)+2+(D)Nitrogen offset per acre: 22.29 kg-N/yr/acre (O') Proposed Nitrogen Loading Concentration Existing nitrogen loading concentrations: 13.14 ppm-N 13.30 ppm-N (P') Project nitrogen loading concentration (Title-5 flows): (a)+723.76 + (G)x(RECH)+9.7286 + (H)+10,594 + (K)+0.75 Title-5 flows 8.21 ppm-N 8.34 ppm-N (Q)= (Q') Project nitrogen loading concentration (Actual flows): (b)+723.76 + (G)x(RECH)+9.7286 + (H)+10,594 + (K)+0.75 Actual flows

next pa	age>	Project nitrogen loading concentration (Average): 10.67 ppm-N (R)= (P)+(Q) +2	Average 10.82 ppm-N	(R')						
	rce/ Impact Base	d Criteria								
		Areas / Coastal Embayments								
2.		Is the project located in any of the following watersheds: Buttermilk Bay Basins, Phinneys Harbor / Back River / Eel Pond, Pocasset River Basin, Pocasset Harbor / Hen Cove / Red Brook Harbor, Megans (If 'No', then go to line 3.)	ett / Squeteague Harbors** ?							
		Name of Watershed (from Regional Policy Plan Data Viewer ):								
		Critical Nitrogen-loading limit**: 0.000 kg-N/year/acre (S)								
	х	Does project's nitrogen load (O) exceed the existing load (O') AND the critical nitrogen load (S)?  (If 'No', then go to line 3.)  Excess project nitrogen load to be mitigated:  0.01 kg-N/yr  (T)= LESSER OF (O)-(S) x(F) AND (O)-(O') x(F)								
		rogen-loading limit has been determined through either a Total Maximum Daily Load (TMDL), a Massachusetts Estuaries Project-accepted technical report, or specified by a Commission-approved comprehens rsuant to Objective WR3, or if impaired water quality has been documented for the receiving coastal waters, the nitrogen loading limit shall be 0 kg-N/yr per acre pursuant to Objective WR3.	ive wastewater management plan							
Groun	dwater Quality									
3.		Does the project's nitrogen loading concentration in groundwater (R) exceed the greater of 5 ppm or the existing concentration (R')?  (If 'Yes', the project will need to provide an alternative strategy for meeting these thresholds by using another worksheet)		ļ						
	Yes No	Potential Public Water Supply Areas								
4.	x	Is project in a Potential Public Water Supply Area (PPWSA)?  (If 'No', then go to line 5.)								
		Does the project's nitrogen loading concentration (R) exceed the greater of 1 ppm or the existing concentration (R')?  (If Yes', the project must provide an alternative strategy for meeting Objective WR1)								
		Does the project use, treat, generate, store or dispose of hazardous materials in excess of the greater of a) household quantities or b) existing quantities? (If 'Yes', the project must provide an alternative strategy for meeting Objective WR1)								
		Wellhead Protection Areas								
5.	Yes No	Is project in a Wellhead Protection Area (WHPA) ?								
	х	Does the project's nitrogen loading concentration (R) exceed the greater of 5 ppm or the existing concentration (R')?  (If 'Yes', the project must provide an alternative strategy for meeting Objective WR1)								
	х	Does the project use, treat, generate, store or dispose of hazardous materials in excess of the greater of a) household quantities or b) existing quantities? (If 'Yes', the project must provide an alternative strategy for meeting Objective WR1)								
Fresh	Water Recharge	Areas								
6.	Yes No	Is project wastewater disposed of within 300 feet of a stream or fresh surface water body? (If 'No', then go to line 7.)								
	x	Is the project located in a freshwater recharge area (FWRA) hydraulically upgradient of a stream or fresh surface water body?  (If 'Yes', the project must provide an alternative strategy for meeting Objective WR2)								
Other	Potential Impact	5								
	<mark>Yes No</mark>									

7. Will the project withdraw more than 20,000 gallons of water per day ?

(If 'Yes', then the project must provide documentation demonstrating that there will not be significant impacts to water levels, surface waters and wetlands)

8. The project must demonstrate compliance with Objective WR4, including use of Low Impact Development to mitigate impacts of stormwater runoff and O & M plans for maintaining stormwater infrastructure and landscaping.





### Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner	
information is	
required for eve	ery
page.	

Pocasset City/Town	MA State	02559 Zip Code	3/1/24 Date of Inspection	
Owner's Name				
VINCENT & CLAIRE VENDICE IRRTR				
VENDICE MARY E & NANCY P TRS				
Property Address				
122 Wings Neck Rd				

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.





Inspector Information					
Alan Quaglieri					
Name of Inspector					
B.I.G. Septic Service					
Company Name					
P.O. Box 657					
Company Address					
Walpole	MA	02081			
City/Town	State	Zip Code			
508-660-1300 SI 595					
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. 🛛 Passes
- 2. 

  Conditionally Passes
- 3. 

  Needs Further Evaluation by the Local Approving Authority
- 4. Fails

Inspector's Signature

3,1,24

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.



#### Commonwealth of Massachusetts

# Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

-	2 Wings Neck Rd operty Address							
VE	ENDICE MARY E & NANCY P TRS NCENT & CLAIRE VENDICE IRRTR							
Po	vner's Name ocasset	MA	02559	3/1/24				
_	y/Town ease note: This report only describe	State es conditions at	Zip Code t the time of in	Date of Inspection				
	conditions of use at that time. This							
C	. Inspection Summary							
	Inspection Summary: Complete 1, 2,	, 3, or 5 and all c	of 4 and 6.					
1)	System Passes:							
	☑ I have not found any information in 310 CMR 15.303 or in 310 CM indicated below.							
	Comments:							
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 yunsound, exhibits substantial infiltration inspection if the existing tank is replace Health.	on or exfiltration	or tank failure i	is imminent. System will pass				
	* A metal septic tank will pass inspect Compliance indicating that the tank is							
1	□ Y □ N □ ND (E	Explain below):						
-								
-								

2)



#### Commonwealth of Massachusetts

## **Title 5 Official Inspection Form**

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

122 Wings Neck Rd **Property Address** VENDICE MARY E & NANCY P TRS VINCENT & CLAIRE VENDICE IRRTR Owner's Name Pocasset 02559 3/1/24 MA City/Town Zip Code Date of Inspection State 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): □ N □ ND (Explain below): broken pipe(s) are replaced □ ND (Explain below): obstruction is removed ☐ Y ☐ N ☐ ND (Explain below): 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 ☐ Y ☐ N ☐ ND (Explain below): ☐ Y ☐ N ☐ ND (Explain below): obstruction is removed 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.



page.

#### Commonwealth of Massachusetts

## Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

City/Town	State	Zip Code	Date of Inspection	
Pocasset	MA	02559	3/1/24	
Owner's Name				
VENDICE MARY E & NANCY P TRS VINCENT & CLAIRE VENDICE IRRTR				
Property Address				
122 Wings Neck Rd				

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:

	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
dete	System will fail unless the Board of Health (and Public Water Supplier, if any) ermines that the system is functioning in a manner that protects the public health, ety and environment:
	The system has a septic tank and soil absorption system (SAS) and the SAS is within 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
	The system has a septic tank and SAS and the SAS is within 50 feet of a private water oly well.
more	The system has a septic tank and SAS and the SAS is less than 100 feet but 50 feet or e from a private water supply well**.
ivietr	nod used to determine distance:
coliform to or less	ystem passes if the well water analysis, performed at a DEP certified laboratory, for fecal bacteria indicates absent and the presence of ammonia nitrogen and nitrate nitrogen is equal than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis must ned to this form.
c. Other:	

4) System Failure Criteria Applicable to All Systems:



# Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

12	22 Wings N	leck Rd						
	operty Addres							
			NANCY P TRS VENDICE IRRTR					
_	vner's Name	OL/ III (L	VENDIOL INTO					
	casset			MA	02559	3/1/24		
Cit	y/Town			State	Zip Code	Date of Inspection		
	You mus	st indica	te "Yes" or "No" to ea	ch of the fo	ollowing for <u>al</u>	l inspections:		
	Yes	No						
		$\boxtimes$	Backup of sewage clogged SAS or ces		or system comp	ponent due to overloaded or		
		$\boxtimes$	Discharge or pondidue to an overloade			e of the ground or surface waters pool		
C.	Insped	ction	Summary (cont.)					
1)	System I	Failure C	Criteria Applicable to A	All Systems	: (cont.)			
,	1		подат приодале те т	,				
	Yes	No						
			Static liquid level in the distribution box above outlet invert due to an overloade or clogged SAS or cesspool					
		$\boxtimes$	Liquid depth in cesspool is less than 6" below invert or available volume is less than ½ day flow					
		$\boxtimes$	Required pumping robstructed pipe(s).			st year <i>NOT</i> due to clogged or 		
		$\boxtimes$	Any portion of the S	AS, cesspoo	ol or privy is be	elow high ground water elevation.		
			Any portion of cessp tributary to a surface			eet of a surface water supply or		
		$\boxtimes$	Any portion of a ces well.	spool or priv	y is within a Z	one 1 of a public water supply		
		$\boxtimes$	Any portion of a ces	spool or priv	y is within 50 t	feet of a private water supply well.		
			from a private water system passes if the laboratory, for feca of ammonia nitroge	supply well ne well wate I coliform be en and nitra ther failure	with no accept er analysis, per pacteria indica te nitrogen is criteria are tri	100 feet but greater than 50 feet table water quality analysis. [This erformed at a DEP certified ates absent and the presence equal to or less than 5 ppm, ggered. A copy of the analysis his form.]		
			The system is a cess 10,000 gpd.	spool serving	g a facility with	a design flow of 2000 gpd-		
			criteria exist as desc	ribed in 310 d contact the	CMR 15.303,	or more of the above failure therefore the system fails. The lth to determine what will be		

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.



### **Commonwealth of Massachusetts**

		Neck Rd				
	operty Add		& NANCY P TRS			
VI	NCENT	& CLAIRE	E VENDICE IRRTR			
	mer's Nam	le		244	00550	0/4/04
	y/Town			MA State	02559 Zip Code	3/1/24 Date of Inspection
		ge systen		her "yes" or '	'no" to each of	the following, in addition to the
	Yes	No				
			the system is within	n 400 feet of	a surface drinl	king water supply
			the system is within	n 200 feet of	a tributary to a	surface drinking water supply
			the system is locate Area – IWPA) or a			rea (Interim Wellhead Protection water supply well
C.	Inspe	ection	Summary (cont.)	100000000000000000000000000000000000000		
6.	owner ounder S should	or operate Section C. contact th	or of any large system co	onsidered a seem in accord	significant threa dance with 310 Department.	arge system has failed. The at under Section C.5 or failed CMR 15.304. The system owner inspections:
	Yes	No				
	$\boxtimes$		Pumping information	was provide	ed by the owne	r, occupant, or Board of Health
			Were any of the syst	em compone	ents pumped o	ut in the previous two weeks?
	$\boxtimes$	. 🗆	Has the system recei	ived normal	flows in the pre	evious two week period?
			Have large volumes of this inspection?	of water bee	n introduced to	the system recently or as part of
	$\boxtimes$		Were as built plans o available note as N/A		obtained and	examined? (If they were not
	$\boxtimes$		Was the facility or dw	elling inspec	cted for signs o	f sewage back up?
	$\boxtimes$		Was the site inspecte	ed for signs o	of break out?	
	$\boxtimes$		Were all system comp	ponents, exc	cluding the SAS	S, located on site?
				dition of the	baffles or tees,	ed, and the interior of the tank material of construction, depth of scum?
			information on the pro	pper mainten n of the Soi	ance of subsu	from owner) provided with face sewage disposal systems? System (SAS) on the site has



## Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

Owner's Name		VENDICE IRRTR					_	_
Pocasset			MA	02559	3/1/24			
City/Town			State	Zip Code	Date of Inspection	n		
$\boxtimes$		Existing information. F	or examp	e, a plan at the	Board of Health.			
		Determined in the field approximation of dista					t iss	ue
		ormation  Conditions:						
Number	of bedroo	oms (design):	-	Number of bed	rooms (actual):	4		
DESIGN	I flow bas	ed on 310 CMR 15.203 (f	or exampl	e: 110 apd x # (	of bedrooms):	_		
Descript								
Number	of current	residents:				3		
Number	or current	residents.						
Does res	idence ha	ave a garbage grinder?				Yes	$\boxtimes$	N
Does res	idence ha	ave a water treatment unit	?			Yes		N
	Ifves	discharges to:						

information in this report.) Laundry system inspected?

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

Seasonal use?

Detail:

☐ Yes ☐ No

☐ Yes ☒ No



# Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

Property Address				
VENDICE MARY E & NANCY P TRS VINCENT & CLAIRE VENDICE IRRTR				
Owner's Name				
	1A tate	02559 Zip Code	3/1/24 Date of Ins	spection
5.1,7151111		2.0000		position
Sump pump?				⊠ Yes □ I
Last date of occupancy:				Date Date
D. System Information (cont.)				
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 ☐ N
Water treatment unit present?		1-		☐ Yes ☐ N
If yes, discharges to:				
Industrial waste holding tank present?		0.		☐ Yes ☐ N
Non-sanitary waste discharged to the Title 5 sys	stem?			☐ Yes ☐ N
Water meter readings, if available:		-		
Last date of occupancy/use:		Date		
Other (describe below):				



# Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

	RY E & NANCY P TRS CLAIRE VENDICE IRRTR			
wner's Name ocasset		MA	02559	3/1/24
ity/Town		State	Zip Code	Date of Inspection
. Pumping	Records:			
Source of	information:	-		
Was syste	em pumped as part of the in	nspection?		☐ Yes ☒ No
If yes, volu	ume pumped:	gallons		
How was	quantity pumped determine			
Reason fo	r pumping:			
Type of S				
$\boxtimes$	Septic tank, distributi	on box, soil abs	orption system	
	Single cesspool			
	Overflow cesspool			
	Privy	<i>t</i> .	É	
	Shared system (yes	or no) (if yes, att	ach previous in	spection records, if any)
		t (to be obtained	from system o	ne current operation and wner) and a copy of latest er contract
		opy of the DEP	approval.	
	Tight tank. Attach a co			
	Tight tank. Attach a co			
		ate installed (if k	(nown) and sou	rce of information:



### **Commonwealth of Massachusetts**

	2 Wings Neck Rd					
VE	ENDICE MARY E	& NANCY P TRS				
_	NCENT & CLAIRI ner's Name	E VENDICE IRRTR				
Ро	casset		MA	02559	3/1/24	
City	y/Town		State	Zip Code	Date of l	Inspection
5.	Building Sewer	r (locate on site plan):				
	Depth below gra	ade:			2' 3" feet	
	Material of cons	truction:				
	☐ cast iron	⊠ 40 PVC	other (e	xplain):		
	Distance from pr	rivate water supply we	ell or suction line	<b>:</b> :	10+'	_
	Comments (on o	condition of joints, ver	nting, evidence o	f leakage,	etc.):	
	Joints good-vent	ting okay- no evidence	e of leaking			
).	System Info	ormation (cont.)				
	Septic Tank (loc	cate on site plan):				
	Depth below grad	de:			feet	
	Material of consti	ruction:				
	□ concrete		☐ fiberglas	s 🗆	polyethylene	other (explain)
		7				
	If tank is metal, lis	st age:			years	
	Is age confirmed	by a Certificate of Co	mpliance? (attac	ch a copy	of certificate)	☐ Yes ☐ No
	Dimensions:					
	Sludge depth:				3"	
1	Distance from top	of sludge to bottom of	of outlet tee or b	affle	31"	
	Scum thickness				1"	



#### Commonwealth of Massachusetts

# Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

VENDICE MARY E & NANCY P TRS						
VINCENT & CLAIRE VENDICE IRRTR						
Owner's Name Pocasset	MA	02559	3/1/24			
City/Town	State	Zip Code	Date of Ins	spection		
Distance from top of scum to top of outl	et tee or haffl	_	6"			
Distance non top or soun to top or out	ct tee or bann		12"			
Distance from bottom of scum to bottom	n of outlet tee	or baffle	12			
How were dimensions determined?			Tape			
Comments (on pumping recommendation						
liquid levels as related to outlet invert, e Tank appears structurally sound. The li	vidence of lea	kage, etc.)				
D. System Information (cont.)  Grease Trap (locate on site plan):  Depth below grade:			feet			
Material of construction:						
waterial of construction.						
☐ concrete ☐ metal	fiberglas	s 🗆	polyethylene	other (explain)		
Dimensions:						
Soum thickness						
Distance from top of scum to top of outlet	t tee or baffle					
Distance from bottom of scum to bottom	of outlet tee o	r baffle				
Date of last pumping:			Date			
Comments (on pumping recommendation liquid levels as related to outlet invert, evi			baffle condition	, structural integrity		

7.



# Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner information is required for every page.

	er's Name	1,4112				
	asset Town		MA State	02559 Zip Code	3/1/24 Date of Inspection	
	Tight or Holding	<b>Tank</b> (tank must b	e pumped at tim	e of inspection) (	locate on site plan	):
	Depth below grad					
	Material of constr					
	concrete	☐ metal	☐ fibergla	ss 🔲 poly	vethylene	her (explai
ı	Dimensions:					
(	Capacity:		!	gallons		
ı	Design Flow:		-	gallons per day		
. ;	System Info	rmation (cont.				
1	Fight or Holding	Tank (cont.)				
F	Marm present:		+:	☐ Yes ☐ N	No	
	larm level:		<i>p</i>	Marm in working o	rder: Yes	☐ No
F	ate of last pumpi	ing:	r	ate		-
	comments (condit	tion of alarm and flo				
			DISTRIBUTE PART			



#### Commonwealth of Massachusetts

# Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address				
VENDICE MARY E & NANCY P TRS				
VINCENT & CLAIRE VENDICE IRRTR Dwner's Name				
Pocasset	MA	02559	3/1/24	
City/~bwn	State	Zip Code	Date of Insp	pection
Depth of liquid level above outlet invert		0"		
Comments (note if box is level and distril evidence of leakage into or out of box, et D box is level and appears structurally so	tc.):			
. System Information (cont.)				
). Pump Chamber (locate on site plan):				
Pumps in working order:			☐ Yes	□ No*
Alarms in working order:			☐ Yes	□ No*
Comments (note condition of pump chamle	ber, condition	n of pumps and	d appurtenan	ces, etc.):

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

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



#### Commonwealth of Massachusetts

	CLAIRE VENDICE IRRTR	240			
Owner's Name		240	02550	2/4/04	
Pocasset City/Town		MA State	02559 Zip Code	3/1/24 Date of Insp	ection
If SAS no	ot located, explain why:				
Type:					
	leaching pits		number:		
	leaching chambers		number:		
	leaching galleries		number:		
	leaching trenches		number, le	ength:	-
$\boxtimes$	leaching fields		number, d	imensions:	appr. 10x26
	overflow cesspool		number:		
	innovative/alternative system	n			
	Type/name of technology:				
D. Systen	n Information (cont.)				
11. Soil Abso	orption System (SAS) (cont.)				
vegetation Soil is a consystem is	s (note condition of soil, signs of h n, etc.): oarse sand. Sent video pipe came functioning as originally designed r damp soil.	era down b	oth leach lines.	Pipes are en	npty of liquid.



#### Commonwealth of Massachusetts

VENDICE MARY E & NANCY P TRS			
VINCENT & CLAIRE VENDICE IRRTR			
Owner's Name		00550	2/4/04
Pocasset City/Town	MA State	02559 Zip Code	3/1/24 Date of Inspection
Depth – top of liquid to inlet invert	5.0.0		
Depth of solids layer			
Depth of scum layer			
Dimensions of cesspool			
Materials of construction			
			□ Vaa □ Na
Indication of groundwater inflow			☐ Yes ☐ No
etc.):			
		584	
). System Information (cont.)			
3. <b>Privy</b> (locate on site plan):			
3. <b>Privy</b> (locate on site plan):  Materials of construction:			
Dimensions	f hydraulic fa	nilure, level of p	onding, condition of vegetation



page.

Commonwealth of Massachusetts

	Topetty Address
	<b>VENDICE MAR</b>
Owner	VINCENT & CL
information is required for every	Owner's Name
reduited for every	Dees soot

City/Town	State	Zip Code	Date of Inspection	
Poca sset	MA	02559	3/1/24	
Owner's Name				
VINCENT & CLAIRE VENDICE IRRTR				
VENDICE MARY E & NANCY P TRS				
Property Address				
122 Wings Neck Rd				

D. System	Information	(cont.)	
Provide a v landmarks		disposal system, cate all wells with	at least two permanent reference ate where public water supply er
	ketch in the area be attached separate		



Owner
information is
required for every
page.

Property Address VENDICE MARY E & NANCY P TRS VINCENT & CLAIRE VENDICE IRRTR							
Owner's Name							
Pocasset	MA	02559	3/1/24				
City/Town	State	Zip Code	Date of Inspection				
See	Atte	ched					
. System Information (cont.)							
i. Site Exam:							
○ Check Slope							
☐ Shallow wells							
Estimated depth to high ground water:		5.17					



### **Commonwealth of Massachusetts**

roper	ty Addres	leck Rd ss ARY E & NANCY P TRS						
		CLAIRE VENDICE IRRTR						
Owner' Pocas	's Name		MA	02559	2/4/24			
city/To			State	Zip Code	3/1/24 Date of Inspection			
Р	lease ir	ndicate all methods used to de	termine the hi	gh ground wat	er elevation:			
		Obtained from system design plans on record						
		If checked, date of design plan reviewed:						
		Observed site (abutting property/observation hole within 150 feet of SAS)						
	3	Checked with local Board of Health - explain:						
		Checked with local excavators, installers - (attach documentation)						
		Accessed USGS database - explain:						
aw	ay is E		EL.13.55 per		subject property. Water 120' +/- t the septic is EL. 12 +/Bottom			
	81	. 8.17 Bottom of	S.A.S					
	EL.							
	5.	17 separetion						
				-				
Bet	fore fili	ing this Inspection Report, p	lease see Re	port Complete	eness Checklist on next page.			
Re	port	Completeness Che	cklist					
mple	ete all a	applicable sections of this fo	orm inclusive	of:				
$\boxtimes$	A. Insp	spector Information: Complete all fields in this section.						
$\boxtimes$	B. Cer	ertification: Signed & Dated and 1, 2, 3, or 4 checked						
	C. Insp	pection Summary:						
	1 2 3	or 5 completed as appropriat	e					



Owner

page.

information is required for every Commonwealth of Massachusetts

## **Title 5 Official Inspection Form**

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

122 Wings Neck Rd

Property Address

VENDICE MARY E & NANCY P TRS VINCENT & CLAIRE VENDICE IRRTR

**Pocasset** City/Town

MA State

02559 Zip Code 3/1/24

Date of Inspection

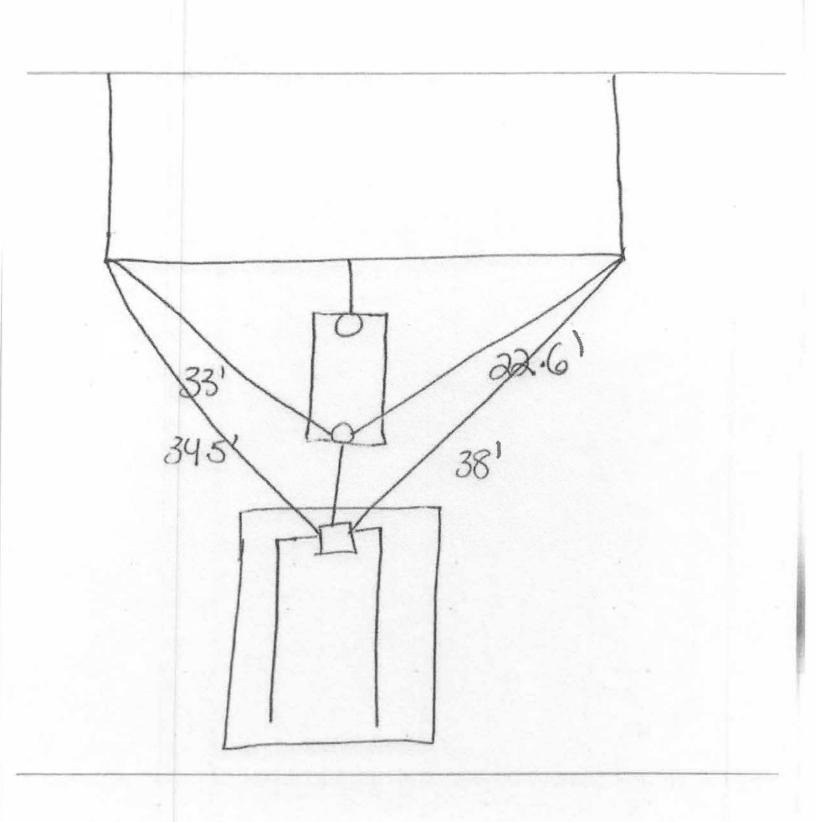
4 (Failure Criteria) and 6 (Checklist) completed

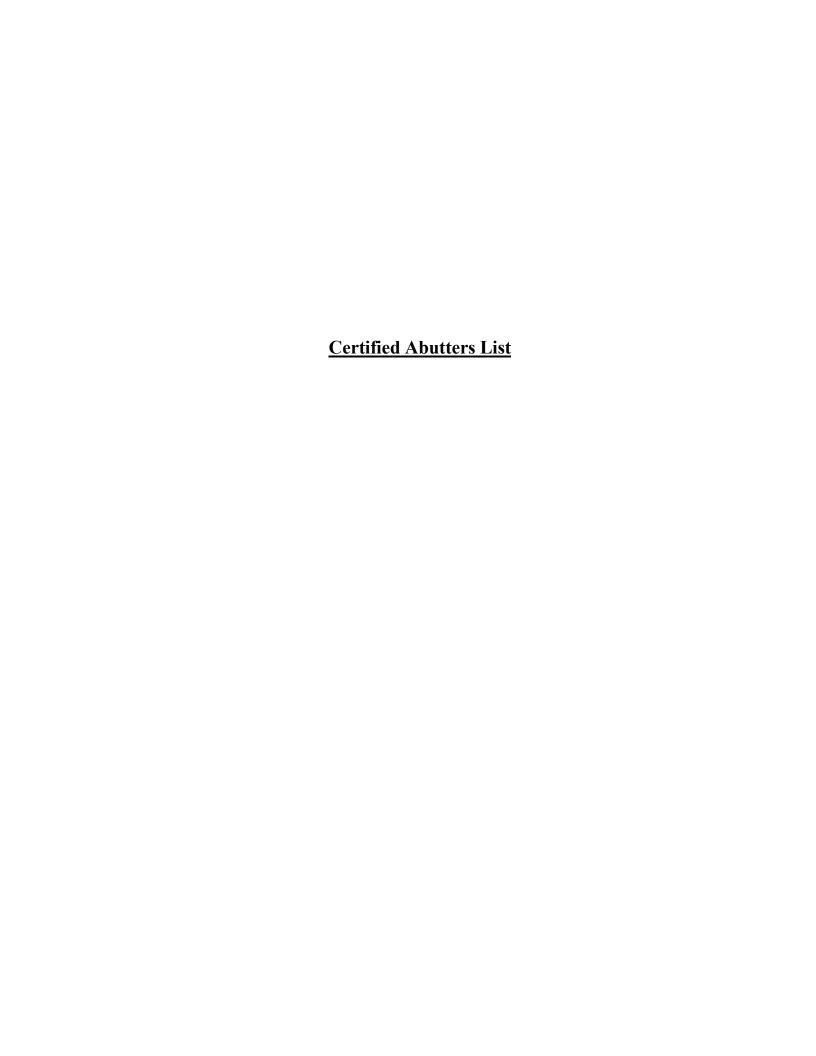
D. System Information:

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







#### TOWN OF BOURNE

Board of Assessors 24 Perry Avenue Buzzards Bay, MA 02532 (508) 759-0600 Ext. 1510



Rui Pereira, MAA Director of Assessing

April 5, 2024

Mary Vendice 122 Wings Neck Rd Pocasset, MA 02559

Reference: Abutters List for Map 37.4 Parcel 34

Subject Property: 122 Wings Neck Road

Pursuant to the provisions of Massachusetts General Laws Chapter 141, Section 40, as amended, and the Town of Bourne Wetlands Protection Bylaw Article 3.7, enclosed is a list of names and addresses which constitutes abutters within 100 feet of the subject property on the most recent tax list of the Town of Bourne. The purpose of the abutters list is for a Notice of Intent application for the Conservation Commission.

Abutting properties are: Map 37.4 Parcels 32, 33, 35, 36 & 169.

The Assessor's Office has received your filing fee of \$25.00.

Please be advised that this abutters list is only good for 30 days from the date on this letter. Expired abutters list can be recertified for an additional filing fee.

See enclosed Data Base Inquiry Forms for abutters mailing addresses.

Board of Assessors

Dinne Brukausker Micha Beit Extract: Database:

ABUTTERS LIST

LIVE

Filter: Sort:

Key IN 7754,7755,7757,7758,8143

Report #24: Owner Listing Report

Fiscal Year 2025

Mailing Street

Bourne MA

Key Parcel ID Owner. LCt/Cl Bk-Pg(Cert) /Dt Location Mailing City ST Zip Cd/County 7754 37.4-32-0 VO NHA ETUX 126 WINGS NECK RD N 24284/288 8 WATKINS LANE SOUTHBOROUGH MA 01772 DIEU LY 1010 1/5/2010 7755 37.4-33-0 KENT CHRISTOPHER T & DONNA P 124 WINGS NECK RD N 30873/326 PO BOX 620 CATAUMET 02534 1010 11/3/2017 7757 37.4-35-0 SCHWEFLER ELIZABETH N 120 WINGS NECK RD N 32804/251-3 120 WINGS NECK RD POCASSET MA 02559 1010 4/2/2020 7758 37.4-36-0 MOHAN ARNIN & ANN C MOHAN TR 118 WINGS NECK RD N 24117/315 173 OAK ST NEWTON MA 02464 WINGS NECK RLTY TRUST 10/26/2009 1010 8143 38.3-169-0 PELUSI FAITH R 45-47 COVE LN Y 222210 115 CHURCH ST WINCHESTER 01890 3/30/2020 1090

Total Records

5

4/5/2024

Page



3-28-2024

Elizabeth Schwefler 120 Wings Neck Road Pocasset MA, 02559

RE: Notice of Public Hearing

Dear Abutter:

In accordance with the State Environmental Code, Title 5: 310 CMR 15.00, you are hereby notified that *Vincent C. Vendice and Claire M. Vendice Irrevocable Trust* has requested a hearing before the Bourne Board of Health for relief from Title 5 and/or the Bourne Board of Health Regulations for an existing septic system. The location of the property for this proposal is 122 Wings Neck Road, Bourne, MA where you are listed as an abutter. At said hearing the Board will discuss and possibly vote on:

- A variance to allow a leaching field less than 150' but greater than 75' to a wetland resource area.
- A variance to allow a subsurface sewage disposal system in a special flood hazard zone.
- A variance to not require a hydrogeologic study for a leaching field within 100' of a wetland.

This hearing is tentatively scheduled for *April 10th* at 5:30 in the *Conference Room 2 Bourne Veteran's Memorial Community Building 239 Main Street, Buzzards Bay, MA.* 

Information regarding the hearing may be available for your review one week prior to the meeting at the Bourne Health Department, 24 Perry Avenue, Buzzards Bay, Monday through Friday from 8:30am until 4:30pm.

Meeting agendas are posted on the Town of Bourne website, <a href="www.townofbourne.com/health">www.townofbourne.com/health</a> no less than 48 hours in advance of the hearing. Please confirm the date, time, and location of the meeting with the Town, in case of any changes. Should you have any questions or concerns, please do not hesitate to contact me or the Bourne Health Department at 508-759-0600 ext. 1513.

Sincerely,

Mary Vendice, 508-280-1506 aquagbigcorp@gmail.com



