MAIN OFFICE: 49 Herring Pond Road Buzzards Bay, MA 02532 TEL: (508) 833-0070 FAX: (508) 833-2282



NANTUCKET OFFICE: 19 Old South Road Nantucket, MA 02554 TEL: (508) 325-0044 www.brackeneng.com

April 14, 2022

Bourne Board of Health Terri Guarino, RS, CHO 24 Perry Avenue Bourne, MA 02532

### RE: Local Upgrade Approval Request – Tight Tank 4 Richmond Road (Map 37.4, Parcel 43)

Dear Members of the Board:

On behalf of the homeowners/applicants, Stephen and Josephine Smith, please accept this letter as a request under local upgrade approval section 310 CMR 15.405.3(b) to install a tight tank at the above referenced property. As identified below, in more detail, it is the professional opinion of Bracken Engineering, Inc. (BEI) that no other feasibly alternative to upgrade the system in accordance with 310 CMR 15.201 through 15.293 exists that will protect the health, safety and welfare of the environment and general public.

Outlined below are the site conditions precluding the installation of a soil absorption system, as well as a comprehensive alternatives analysis for the installation of a tight tank:

Existing groundwater elevation at the site is restrictive. Per record soil log data at the subject site (dated 9/7/2017) and groundwater information from a neighboring parcel (dated 9/18/2011), groundwater was found to be at elevation 2.3 (approximately 2.8' below grade).

The existing parcel is approximately 3,844 s.f. in size. The majority space on the parcel, not already occupied by structure, falls within the 150' Buffer Zone to a Salt Marsh per Mass GIS. The existing dwelling and decks, constructed in 1950 per the assessors' records, are approximately  $1,410\pm$  s.f. in total. It is infeasible for the required soil absorption system, septic tank, required pre-treatment unit(s) and pump chamber to fit within the confines of the available space.

In summary, it would be detrimental to both environmental concerns and public health to propose a soil absorption at the above referenced locus. Any system proposed would provide only minimal separation between existing property lines, dwellings, foundations, groundwater and/or existing septic systems. As such, BEI is requesting that the Bourne Board of Health diverge from the goal of full compliance by granting the local upgrade approval requested above. The design allows for the best feasible upgrade within the borders of the lot, and has the least effect on public health, safety and the environment.

In addition to the above request, the following Local Upgrade Approvals are requested in association with the proposed tight tank:

- 1. Local Upgrade Approval is requested for a  $4\pm$  ft reduction in setback to a property line from a septic component for a  $6\pm$  ft setback to the proposed tight tank from the existing property line.
- 2. Local Upgrade Approval is requested for the reduction of the minimum 12" separation for high groundwater to the inlet tee.



Thank you for your time and consideration on this matter. We look forward to reviewing this project with the Board of Health at the next scheduled Public Hearing. Should you have any questions regarding this project or require any further information please contact the undersigned at either 508-833-0070 or <u>zac@brackeneng.com</u> or <u>robert@brackeneng.com</u>.

Sincerely,

#### **BRACKEN ENGINEERING, INC.**

Zachary L. Basinski, P.E., C.F.M. Project Manager

Robert E. Dewar, E.I.T Project Engineer



Bourne Board of Health Application for Septic Variance Requests



In accordance with the established procedures of the Bourne Board of Health, this application for septic variances and waivers is relevant to requests for relief 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, or increases in flow to on-site sewage disposal systems with design flows of less than 10,000 gallons/ day.

#### 1. Facility Name and Address:

Owner's Name Jos	sephine B. Smith
Facility's Street Address	4 Richmond Road
Owner's Telephone Numbe	<sup>r</sup> 941-740-3739 (Stephen Smith)
Owner's E-mail Address	c/o Stephen Smith - smitty25509@gmail.com
Owner's Mailing Address	1321 Bay Street, Taunton, MA 02780-1004

2. Applicant or Preparer's Name and Address (if different from above):

Company	Bracken Engineering, Inc.
Telephone Number	508-833-0070
E-mail Address	zac@brackeneng.com
Mailing Address	49 Herring Pond Road, Buzzards Bay
State/ Zip Code	MA / 02532

4. Describe Facility (i.e. single-family dwelling, 45 seat restaurant):

Single-family dwelling

5. Type of System Proposed	(check all that apply)	: 🛛 Conventio	onal Title 5	□ I/A System
Pumped System	□ Gravity System	Pressure Dosed	🖄 Other	Tight Tank

### 6. Describe the proposed septic system components: <u>Tight tank and</u> associated audio/Visual alarm.

7. Design Flow per 310 CMR 15.203 (in gallons/ day):

Design flow of proposed system: 110 GPD @ 2 BDR = 220 GPD Total design flow of facility: 220

8. Enclose a letter of request for variances which makes reference to the specific provisions of Title 5 and the Board Bourne of Health Regulations for which a variance is sought. Please use this opportunity to demonstrate compliance with 310 CMR 15.410, and to justify the relevant facts and circumstances of the individual case. Note that with regard to variances for new construction, enforcement of the provision from which a variance is sought must be shown to deprive the applicant of substantially all beneficial use of the subject property in order to be manifestly unjust. Be sure to explain why full compliance with the applicable regulations is not feasible, and how a level of environmental protection that is at least equivalent to that provided under Title 5 and the Board of Health Regulations can be achieved without strict application of the regulations.

9. In order for this Application to be deemed complete, it must be accompanied by all of the following:

- Application Fees paid to the Town of Bourne.
- 凶 Letter of request (see samples)
- Six sets of complete plans and specifications. One with original stamp of design engineer.
- Nitrogen Loading Calculation Sheet(s)
- If abutter notification is required, one of each of the following must be submitted:
  - > A copy of the certified list of abutters from the Assessor's Department
  - > Sample letter for abutter notification postmarked 10 days prior to meeting date
  - Proof of certified mailing (receipts) meeting requirements of 310 CMR 15.405(2)
- □ Proposals for installation of Innovative/ Alternative systems must be accompanied by:
  - > A copy of the Certification for Use including technology specific conditions
  - > Draft disclosure notice for the I/A technology to be recorded in the deed
- Hydrogeologic data for all leaching facilities proposed within 100ft of a wetland/ watercourse
- Percentage of Increase Worksheet is required for waivers or increases in flow
- 10. Certification:

"I certify under penalty of law that this document and all attachments, to the best of my knowledge and belief, are true, accurate, and complete. I am aware that there may be significant consequences for submitting false information, including, but not limited to, penalties or fine and/or imprisonment for

deliberate violations." 3		.1. 1
Geliberate violations." July Book Start   Facility Owner's Signature July Book Start	Date _	4/14/22
Print Name Josephine B. Smith		
Signature of Preparer 34 BRACKS ENGINE FRANCE FRANC	Date	4/14/22
Print Name Zachary L. Basinski, PE, CFM		
Print Name Zachary L. Basınski, PE, CFM		

		For Office Use Only		
Completed Application F	Received:	Reviewe	d By:	
Hearing Date:		Permit #	•	
Circle all that apply:	Approved	Continued	Disapproved	Other
Notes:				

### COMMONWEALTH OF MASSACHUSETTS

Board of Health, Bourne

### APPLICATION FOP, DISPOSAL SYSTEM CONSTRUCTION PERMIT

MA.

Application for a Permit to Construct() Repair() Upgrade() Abandon() 🔲 Complete System 🖾 Individual Components

Location 4 Richmond Road	Owner's Name Josephine Smith
Map/Parcel# Map 37.4, Parcel 43	
Lot#	Address 1321 Bay Street, Taunton, MA 02780
Installer's Name	Telephone# 941-740-3739 (Stephen Smith)
Address	Designer's Name Zachary L. Basinski, P.E, Bracken Engineering, Inc.
Telephone#	Address     49 Herring Pond Road, Buzzards Bay, MA 02532       Telephone# 508-833-0070 (Agent)
*	
ype of Building Single-family dwelling Dwelling - No. of Bedrooms 2	$\frac{\text{Lot Size } 3,844+/- \text{ sq. f}}{\text{Garbage grinder ()}}$
Other - Type of Building	No. of persons Showers () Cafeteria (
Other Fixtures	
Design Flow (min. required) 110 gpd Calc	ulated design flow 220 GPD Design flow provided 220 gr
Plan: Date April 13, 2022 Number of shee	ets 1 Revision Date
<sup>111e</sup> Proposed Sewage Disposal Plan in Bourne, MA	
Description of Soil(s) See Plan for full description	
Goil Evaluator Form No. T5 forms 11 & 12 Name of S	Toil Evaluator   Shawn MacInnes   Date of Evaluation   9/7/2017
ESCRIPTION OF REPAIRS OR ALTERATIONS Installat	
Installat	ion of a new 3,000 gallon tight tank.
nspections	
COMONWEAL	TH OF MASSACHUSETTS
Board of Health	, <i>MA</i>
CERTIFIC	ATE OF COMPLIANCE
escription of Work: 🛛 Individual Component(s) 🗖 Co	
	System; Constructed ( ), Repaired ( ), Upgraded ( ), Abandoned ( )
y:	
t	) CMR 15.00 (Title 5) and the approved design plans/as-built plans relating t
pplication No, dated	Approved Design Flow(gpd)
	: Date:
he issuance of this permit shall not be construed as a guar:	antee that the system will function as designed.
0	FEE
COMMON₩₄L	TH OF MASSAC14USETTS
Board of Healtli,	AM.
	EM CONSTRUCTION PERMIT
DISPUSAL SYST	EM CONSTRUCTION PERMIT
	air() Upgrade() Abandon() an individual sewage disposal system
	ree years of the date of this permit. All local conditions must be met.
1	v 1
orm 1255 Rev. 5/96 A.M. Sulkin Co. Boston, MA Date	Board of Health

# **Town of Bourne**

**Conservation Commission** 

#### Nitrogen Loading Calculation Sheet for Residential Housing

The following calculation sheet is based upon Technical Bulletin 91-001 issued by the Cape Cod Commision and deals with nitrate nitrogen (NO3-N) <u>Use the information from your PLAN OF RECORD to provide the following:</u>

<u>4 Richmond Road (</u>	Existing Conditions)
Number of Bedrooms (Title 5 Definition)	= <u>2</u> Bedrooms
Lot Size (in square feet of upland areas)	= <u>3,844</u> sq.ft. Upland
Impervious Surfaces;**roof area= <u>1,251</u> sq.ft.	**Paved Area = <u>629</u> sq.ft.
Natural Area = lot area minus all impervious surfaces	= <u>1,964</u> sq.ft.
Lawn Area in sq. ft.	= <u>1,916</u> sq.ft.
TITLE 5 FLOW = 110 GAL./ DAY PER BEDROOM	
WASTEWATER FLOWS (NITROGEN LOAD & WAT	TER LOAD)
Nitrogen from Title 5 design = 14,572 mg NO <sub>3</sub> -N / day with IA Treatment Water from Title 5 design = 416.3 H <sub>2</sub> O / day / bedroom	
	' = 29144.00 mg. NO3-N / day
1b) Number of bedrooms = $2 \times 14372$ = $2 \times 14372$ =	
Actual Nitrogen load = 6071.5 mg NO3-N / day/ bedroc	·
with IA Treatment	
Actual Water load = 173.5 L H2O / day / bedroom	
*Note: This assumes 2.5 people / unit average occupa	ncy within the Town
2a) Number of bedrooms = $2 \times 6071.5$ =	= 12143.00 mg. NO3-N / day
2b) Number of bedrooms = $2 \times 173.5 =$	347.00 L H2O / day
IMPERVIOUS SURFACES (NITROGEN LOAD & WA	FER LOAD)
,	,
NO3-N load number sq. ft. of roof surface X	0.19395 mg NO3-N / sq. ft.
H2O load number sq. ft. of roof surface X	0.2586 L / sq. ft.
3a) Roof surface = 1251 sq. ft. X	0.19395 = 242.63 mg NO3-N
3b) Roof surface = 1251 sq. ft. X	0.2586 = 323.51 L H2O / day
NO3-N load number sq. ft. of paved surface X	0.388 mg / sq. ft.
H2O load number sq. ft. of paved surface X	0.2586 L / sq. ft.
4a) NO3-N = $629$ sq. ft. paved surface	
4b) H2O = <u>629</u> sq. ft. paved surface	X 0.2586 L / sq. ft. 162.66 L H2O

LAWN NITROGEN LOADING = 0.933 mg / sq. ft. lawn surface 5) sq. ft. of lawn = 1916 X 0.933 = 1787.63 mg							
NATURAL AREA W	ATER LOADING	G					
Natural area = lot siz	e - impervious s	surfaces	=	1964 sq. ft.			
6) Natural area =	= 1964	X water recharge (0.1358 L / sq. ft. for		266.71 L			
	SUMMAF	RY OF NITROGE	N LOADING				
Estimated Title 5 Ni	itrogen & Wate	er Loading					
7a) ADD the above N	NO3N load						
1a (+)	3a	(+) 4a	(+) 5				
29144	242.63	244.05	1787.63	31418.31 mg NO3-N / day			
7b)							
1b (+)	3b (+)	) 4b	(+) 6				
832	323.51	162.66	266.71	1584.88 L H2O / day			
7c) DIVIDE 7a by 7b = <u>19.8</u> ppm NO <sub>3</sub> -N****							
Actual Nitrogen & W	ater Loading						
8a) ADD the above N	NO3N load:						
2a (+)	3a (+)	) 4a	(+) 5				
12143	242.63	244.05	1787.63	<u>14417.31</u> mg NO3-N / day			
8b) ADD the above v							
2b (+)	. ,		(+) 6				
347	323.51	162.66	266.711	<u>1099.88</u> L H2O / day			
8c) DIVIDE 8a by 8b	) =	<u>13.1</u> ppm NO3-N	<b>\</b> ****				
FINAL CALCULATION			<u>32.9</u> divide by	2 = <u>16.5</u> ppm NO <sub>3</sub> -N			

This is the actual nitrate nitrogen load for the project as designed. The target for coastal areas is 5 ppm nitrate nitrogen. Certain critical embayments may require a LOWER figure to prevent degradation.

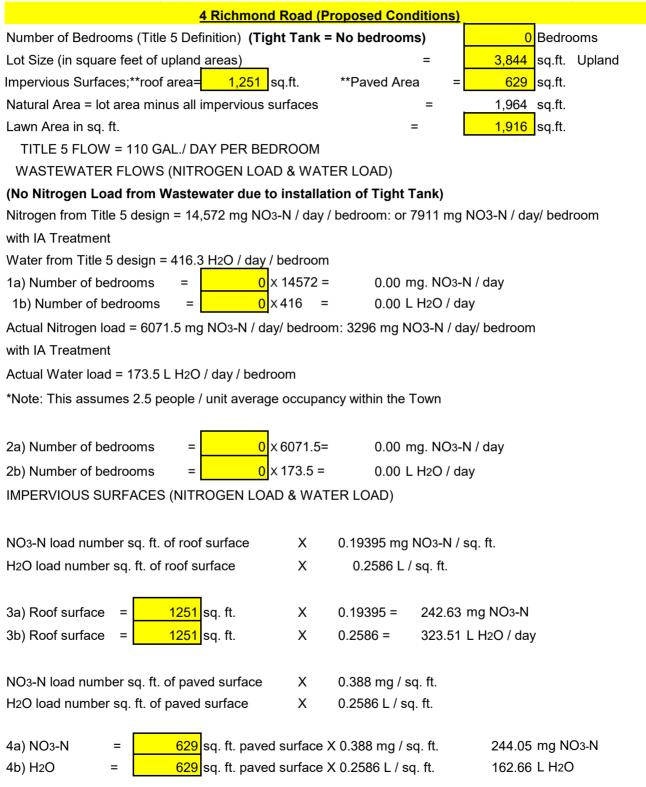
\*\*\*\*\*If your nitrate nitrogen load exceeds the target limit USE A SECOND CALCULATION SHEET TO SHOW ALTERNATIVES IN TRYING TO AHIEVE THE 5 PPM NITRATE NITROGEN LEVEL\*\*\*

# **Town of Bourne**

**Conservation Commission** 

#### Nitrogen Loading Calculation Sheet for Residential Housing

The following calculation sheet is based upon Technical Bulletin 91-001 issued by the Cape Cod Commision and deals with nitrate nitrogen (NO3-N) <u>Use the information from your PLAN OF RECORD to provide the following:</u>



LAWN NITROGEN LO 5) sq. ft. of lawn =	ADING = 0.933 mg / 1916 X 0.933	/ sq. ft. lawn surface	=	1787.63 mg	
NATURAL AREA WATER LOADINGNatural area = lot size - impervious surfaces=1964 sq. ft.					
6) Natural area =		rater recharge factor 3 L / sq. ft. for Bourne)	=	266.71 L	
	SUMMARY OF	NITROGEN LOAI	DING		
Estimated Title 5 Nitro	ogen & Water Load	ing			
7a) ADD the above NO	03N load				
1a (+)	3a (+)	4a (+)	5		
0	242.63	244.05	1787.63	2274.31 mg NO3-N / day	
7b)					
	3b (+)	4b (+)	6		
0	323.51	162.66	266.71	752.88 L H2O / day	
7c) DIVIDE 7a by 7b	= <u>3.</u>	0 ppm NO3-N*****			
<u>Actual Nitrogen &amp; Wate</u> 8a) ADD the above NO	-				
-	3a (+)	4a (+)	5		
0	242.63	244.05	1787.63	<u>2274.31</u> mg NO3-N / day	
8b) ADD the above wat	ter (H2O) load:				
2b (+) 3	3b (+)	4b (+)	6		
0	323.51	162.66	266.711	<u>752.88</u> L H2O / day	
8c) DIVIDE 8a by 8b FINAL CALCULATION		0 ppm NO3-N***** n) = <u>6</u> .	<u>.0</u> divide by 2	= <u>3.0</u> ppm NO3-N	

This is the actual nitrate nitrogen load for the project as designed. The target for coastal areas is 5 ppm nitrate nitrogen. Certain critical embayments may require a LOWER figure to prevent degradation.

\*\*\*\*\*If your nitrate nitrogen load exceeds the target limit USE A SECOND CALCULATION SHEET TO SHOW ALTERNATIVES IN TRYING TO AHIEVE THE 5 PPM NITRATE NITROGEN LEVEL\*\*\*

	MASSACHUSETTS QUITCH	LAIM DEED SHO	ORT FORM (INDIVIDUAL) 881
	08-05	-2013	a 09:37a
We, Francis M. Smith and Josephine B. T	mith		ΝΟΨ
of 1321 Bay Street, Taunton, BriskolN		· (	N O T Coanty Massachusetts,
OFFIC exing unmarried, for consideration paid and in full of	IAL onsideration of I	O F F Love and CA	ICIAL Afgecnpiony
rant to Stephen Smith of 106 Erin Road Dawn Boucher of 3 Stanley Drive, Tau A N	nton, MA 02780,	as joint with	tenants Anitennim couenante
OFFIC		OFF	ICIAL
helandin that part of Bourne, Sarnstabl and bounded and described as follows	•	nusetts Ca	1Ped Pocasset,
· · ·	encumbrances_ifany]		
Being Lot 83 as shown on a Plan	of Lots at Pocas	sset Beach	dated

27597 Ps117

45500

April 21, 1921, Hayward & Hayward, Surveyors, recorded with the Barnstable County Registry of Deeds in Plan Book 45 at Page 31, to which Plan reference is hereby made for a further and more particular description.

Said lot contains 3,843 square feet, more or less.

Being the same premises conveyed to these grantors by deed of Charles F. Knapp and Eleanor F. Knapp recorded in the Barnstable County Registry of Deeds in Book 1401, Page 1019.

The granrors herein reserve to themselves a life estate in the property described above.

• •							
Witness <u>our</u> hands	and seals	this	31st	day of	May	, 19 <u>96</u>	
					ami	M.Smith	
			Francis	M. Smith	Joseph	ine B.Sm	ĪK
			Josephin	ne B. Smitl	n		

#### The Commonwealth of Massachusetts

Bristol,

May 31, 19 96

Then personally appeared the above named Francis M. Smith and Josephine B .Smith

and acknowledged the foregoing instrument to be

SS.



their	free act and	l deed befy	re me	~7	
/	Plan /	2 11		1	
	LAN +	2////	Al	1 H	C
$\mathcal{V}^{2}$		tary Public -	Justice-	fthePeace	-
	n B. Medeiro nmission expires	s Sept.	25,	1998	

(\*Individual - Joint Tenants - Tenants in Common.)

#### CHAPTER 183 SEC. 6 AS AMENDED BY CHAPTER 497 of 1969

CHAPTER 185 SEL. 6 AS AMENDED BY CHAPTER 497 of 1969 Every deed presented for record shall contain or have endorsed upon it the full name, residence and post office address of the grantee and a recital of the amount of the full consideration thereof in dollars or the nature of the other consideration therefor, if not delivered for a specific monetary sum. The full consideration shall mean the total price for the conveyance without deduction for any liens or encumbrances assumed by the grantee or remaining thereon. All such endorsements and recitals shall be recorded as part of the deed. Failure to comply with this section shall not affect the validity of any deed. No register of deeds shall accept a deed for recording unless it is in compliance with the requirements of this section.

#### GRANT OF RIGHT OF ENFORCEMENT OF RESTRICTION

In accordance with 310 CMR 15.260(6), I, Josephine B. Smith being the owner of that certain parcel of land, together with the buildings thereon, now known and numbered as <u>4 Richmond Road</u>, (Assessors Map 37.4, Parcel 43), Bourne, Barnstable County, as described in a deed recorded at the Barnstable County Registry of Deeds in Book 27597, Page 117, and further described as follows: said parcel of land shown as lot 83 on a plan entitled, "Plan of Lots at Pocasset Beach, Bourne, Mass", dated April 21, 1921, prepared by Hayward & Hayward Surveyors, Brockton, Mass, recorded with Barnstable County Registry of Deeds in Plan Book 45, Page 31; (the "Property"), for and in consideration of the issuance to me by the TOWN OF BOURNE, acting by and though its Board of Health (the "Town"), of a Certificate of Compliance for a tight tank installed to service the Property as a remedial upgrade of the failed system serving the Property under Disposal Works Construction Permit #\_\_\_\_\_\_ issued on  $\frac{xx/xx/2022}{x}$  and for other good and valuable consideration paid, the receipt and sufficiency of which are hereby acknowledged, hereby grant to the Town the right to enforce the following restriction for so long as the Property is served by a tight tank:

For as long as the Property is served by one 3,000 gallon tight tank, the use of the Property shall be limited to a residential use generating maximum daily flows of 220 gallons per day (2 bedrooms).

#### COMMONWEALTH OF MASSACHUSETTS

\_SS

Josephine B. Smith

Witness our hands and seals this \_\_\_\_\_, 2022.

On this \_\_\_\_\_\_day of \_\_\_\_\_2022, before me, the undersigned notary public, personally appeared: \_\_\_\_\_\_\_ and proved to me through satisfactory evidence of identification which were \_\_\_\_\_\_ to be the person(s) whose name(s) are signed on the proceeding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Notary Public My Commission Expires: Approved and Accepted By:

	Date:
Terri A. Guarino, R.S., C.H.O. Health Director	
Town of Bourne	



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) 759-0600



# **GRANT OF TITLE 5 BEDROOM COUNT DEED RESTRICTION**

This Grant of Title 5 Bedroom Count Deed Restriction is made as of \_\_\_\_\_\_ day of \_\_\_\_\_, 2022 by Josephine B. Smith ("Grantors"), of Taunton, Bristol County, MA pursuant to M.G.L. c. 21A, §13and 310 CMR 15.000 (collectively, "Title 5").

#### WITNESSETH

WHEREAS, Grantor, being the owner in fee simple of that certain parcel of land located in Bourne, Barnstable County, Massachusetts, with the buildings and improvements thereon, pursuant to a deed from Francis M. Smith and Josephine B. Smith to Grantor, dated 8/5/2013, and recorded with Barnstable County Registry of Deeds in Book 27597, Page 117 being shown as Lot 83 on a plan entitled, "Plan of Lots at Pocasset Beach, Bourne, Mass", dated April 21, 1921, prepared by Hayward & Hayward Surveyors, Brockton, Mass, recorded with Barnstable County Registry of Deeds in Plan Book 45, Page 31 ("Property"); and

WHEREAS, Grantor desires to restrict the number of bedrooms, as the term bedroom is defined at 310 CMR 15.002 ("Bedroom") and the Board of Health regulation dated effective April 24, 1992 regarding bedroom definition, through the granting of this Title 5 Bedroom Count Deed Restriction;

NOW, THEREFORE, Grantor does hereby GRANT to the Town of Bourne of Barnstable County, Massachusetts, a municipal corporation located in Barnstable County, having a mailing address of 24 Perry Avenue, Buzzards Bay, Massachusetts, and acting by and through its Board of Health ("Local Approving Authority"), for nominal and nonmonetary consideration, the sufficiency and receipt of which are hereby acknowledged, with QUITCLAIM COVENANTS, a TITLE 5 BEDROOM COUNT DEED RESTRICTION ("Restriction") in, on, upon, through, over and under the Property.

Said Restriction operates to restrict the Property as follows:

**1. Restriction.** Grantor hereby restricts the total number of Bedrooms in, on, upon, through, over and under the Property to **Two Bedrooms**, such that at no time shall there exist more than **Two Bedrooms** in, on, upon, through, over and under said Property.

**2.** Severability. Grantor hereby agrees that, in the event that a court or other tribunal determines that any provision of this instrument is invalid or unenforceable:

(i) That such provision shall be deemed automatically modified to conform to the requirements for validity and enforceability as determined by such court or tribunal; or

(ii) That any such provision, by its nature, cannot be so modified, shall be deemed deleted from this instrument as though it had never been included herein.

In either case, the remaining provisions of this instrument shall remain in full force and effect.

**3. Enforcement**. Grantor expressly acknowledges that a violation of the terms of this Restriction could result in the following:

(i) upon determination by a court of competent jurisdiction, in the issuance of criminal and civil penalties, and/or equitable remedies, including, but not limited to, injunctive relief, such injunctive relief could include the issuance of an order to modify or remove any improvements constructed upon the Property in violation of the terms of this Restriction; and

(ii) in the initiation of an enforcement action and/or assessment of penalties by the Bourne Board of Health and/or the Massachusetts Department of Environmental Protection, a duly constituted agency with a principal office located at One Winter Street, Boston, MA 02108 (DEP), to enforce the terms of this Restriction pursuant to Title 5; M.G.L. c.111, §§ 2C, 17, 31, 122, 123, 125, 127A-O, inclusive, and 129; and M.G.L c. 83, §11.

**4. Provisions to Run with the Land.** The rights, liabilities, agreements and obligations created under this Restriction shall run with the Property and any portion thereof for the term of this Restriction. Grantor hereby covenants for [himself/herself/itself] and [his/her/its] executors, administrators, heirs, successors and assigns, to stand seized and to hold title to the Property and any portion thereof subject to this Restriction.

The rights granted to the Bourne Board of Health, its successors and assigns, do not provide, however, that a violation of this Restriction shall result in a forfeiture or reversion of Grantor's title to the Property.

#### **5. Concurrence Presumed**. It is agreed that:

(i) Grantor and all parties claiming by, through, or under Grantor agree to and shall be subject to the provisions of this Restriction; and

(ii) Grantor and all parties claiming by, through, or under Grantor, and their respective agents, contractors, sub-contractors and employees, agree that the Restriction herein established shall be adhered to and shall not be violated, and that their respective interests in the Property shall be subject to the provisions herein set forth.

**6.** Incorporation into Deeds, Mortgages, Leases, and Instruments of Transfer. Grantor hereby agrees to incorporate this Restriction, in full or by reference, into all deeds, easements, mortgages, leases, licenses, occupancy agreements or any other instrument of transfer by which an interest and/or a right to use the Property, or any portion thereof, is conveyed.

**7. Recordation**. Grantor shall record and/or register this Restriction with the appropriate Registry of Deeds and/or Land Registration Office within 30 days of receiving the approved Restriction from the Local Approving Authority. Grantor shall file with the Bourne Board of Health and the DEP a certified Registry copy of this Restriction as recorded and/or registered within 30 days of its date of recordation and/or registration.

**8.** Amendment and Release. This Restriction may be amended only upon the approval and acceptance of such amendment by the Local Approving Authority. Release of this Restriction shall be granted by the Local

Approving Authority upon (i) Grantor's request of such release; and (ii) the Property being connected to a municipal sewer system and the septic system serving the Property being abandoned in accordance with 310 CMR 15.354. Any such amendment or release shall be recorded and/or registered with the appropriate Registry of Deeds and/or Land Registration Office and a certified Registry copy of said amendment or release shall be filed with the Bourne Board of Health and the DEP within 30 days of its date of recordation and/or registration.

**9. Term**. This Restriction shall run in perpetuity and is intended to conform to M.G.L. c.184, §26, as amended.

**10. Rights Reserved**. This Restriction is granted to the Bourne Board of Health. It is expressly agreed that acceptance of this Restriction by the Bourne Board of Health shall not operate to bar, diminish, or in any way affect any legal or equitable right of the Bourne Board of Health or of DEP to issue any future order with respect to the Property or in any way affect any other claim, action, suit, cause of action, or demand which the Bourne Board of Health or DEP may have with respect thereto. Nor shall acceptance of the Restriction serve to impose any obligations, liabilities, or any other duties upon the Bourne Board of Health.

**11. Effective Date.** This Restriction shall become effective upon its recordation and/or registration with the appropriate Registry of Deeds and/or Land Registration Office.

12. No construction permits shall be issued for the Property until a certified Registry copy is submitted to the office of the Bourne Board of Health unless written approval is otherwise granted by the Board of Health.

### COMMONWEALTH OF MASSACHUSETTS

SS

Josephine B. Smith

Witness my hand and seals this \_\_\_\_\_, 2022.

On this \_\_\_\_\_\_day of \_\_\_\_\_20\_\_\_, before me, the undersigned notary public, personally appeared: \_\_\_\_\_\_\_ and proved to me through satisfactory evidence of identification which were \_\_\_\_\_\_to be the person(s) whose name(s) are signed on the proceeding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Notary Public My Commission Expires: Approved and Accepted By:

Date:	
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Terri A. Guarino, R.S., C.H.O Health Agent Town of Bourne

#### TIGHT TANK OPERATIONS AND MAINTENANCE PLAN

PROJECT LOCATION:	4 Richmond Road (Map 37.4, Parcel 43)
DESIGN FLOW:	Two (2) bedrooms
OWNER & RESPONSIBLE PARTY:	Josephine B. Smith 1321 Bay Street Taunton, MA 02780-1004

The design, installation, and maintenance of the tight tank shall be in conformance with 310 CMR 15.260 and 310 CMR 15.351 of the State Environmental Code, Title 5, and the approved design plans. The tight tank is meant to hold and store the discharge of **sanitary sewage only**, and can be permitted for a year-round residential facility. The tight tank shall be maintained as follows:

- 1. The property owner shall maintain a contract with a septage hauler that is licensed in the Town of Bourne. The tight tank shall be inspected and pumped on a weekly basis. More frequent pumping may be required depending up on the use of the structure. A copy of the contract shall be provided to the Town of Bourne Health Department.
- 2. An accessible, watertight 24" (min.) cover to grade over the tank shall be maintained for year round access.
- 3. The high-water alarm shall be installed to allow for at least <u>660 gallons</u> of emergency storage above the alarm level. The alarm system shall include both audio and visual alarms.
- 4. The high water alarm shall be inspected and tested once a year by a licensed septage hauler or licensed electrician. A report shall be submitted to the Town of Bourne Health Department specifying the condition of the alarms and, if any, the necessary requirements for service or maintenance.
- 5. The tight tank shall be thoroughly pumped, cleaned, and inspected for structural integrity and water tightness by a licensed professional engineer every five (5) years from the date of installation. Inspection and repair records shall be sent to the Town of Bourne Health Department.



Michael Leitzel, Chairperson Ellen Doyle Sullivan, Clerk Donna Barakauskas, Member TOWN OF BOURNE Board of Assessors 24 Perry Avenue Buzzards Bay, MA 02532 (508) 759-0600 Ext. 1510 \$ Fax (508) 759-8026



Rui Pereira, MAA Director of Assessing

March 17, 2022

Josephine B. Smith c/o Bracken Engineering, Inc. 49 Herring Pond Rd. Buzzards Bay, MA 02532

Re: Abutters List for Map 37.4 Parcel 43 Property address: 4 Richmond Road

As required by the Bourne Board of Health, pursuant with section 310 CMR 15.411(1), this is to certify that the attached list of names and addresses constitutes all of the parties in interest as shown on the most recent tax list of the Town of Bourne.

Abutting properties are: Map 37.4 Parcels 42 & 44; Map 38.3 Parcel 160 & 165.

Your payment of \$10.00 has been received by the Bourne Assessor's Office.

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 for abutters mailing addresses.

Board of Assessors

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	Extract: Database: Filter: Sort:	1 Abutters List LIVE Key IN 7764,7766,8135,8139	Report #24: Owner Fiscal Year		g Report			Bol	ume MA
Key	Parcel ID	Owner	Location	LCt/Cl	Bk-Pg(Cert) /Dt	Mailing Street	Mailing City	ST	Zip Cd/County
776	4 37.4-42-0	NENDZA RICHARD J & KRISTEN C	1 RICHMOND RD	N 1010	30966/40 12/15/2017	7 BUTTERFIELD LÄNE	MEDFIELD	MĄ.	02052
776	6 37.4-44-0	YESPY JEFFREY A & CARRIE A TRS YESPY FAMILY TRUST	8 RICHMOND RD	N 1010	32322/136 9/24/2019	18 LIVEMORE ROAD	BOXFORD	MA	01921
813	5 38.3-160-0	ELLIS MAUREEN & JANICE ELLIS BALLERINI	105 WINGS NECK RD	N 1010	20507/297 11/25/2005	105 ROGERS AVE	SOMERVILLE	MA	02144
8139	9 38.3-165-0	KENNEDY STEPHEN J& ETAL TRS HARBOR VIEW RD RLTY TRUST	16 HARBOR VIEW RD	N 1010	25737/327 10/7/2011	37 FARLEY AVE	IPSWICH	MĄ	01938

Total Records

4

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MAIN OFFICE: 49 Herring Pond Road Buzzards Bay, MA 02532 TEL: (508) 833-0070 FAX: (508) 833-2282



NANTUCKET OFFICE: 19 Old South Road Nantucket, MA 02554 TEL: (508) 325-0044 www.brackeneng.com

April 14, 2022

#### **CERTIFIED MAIL**

#### 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 the owners, <u>Stephen & Josephine B. Smith</u>, have requested a hearing before the Bourne Board of Health to for relief from the Bourne Board of Health Regulations for the installation of an upgraded Septic System. The location of the property for which approval is sought is <u>4 Richmond Road (Map 37.4 Parcel 43)</u>, <u>Pocasset</u> where you are listed as an abutter. At said hearing the Board will discuss and possibly vote on:

- Local Upgrade Approval is requested for the use of a tight tank in accordance with the provisions of 310CMR 15.260 (Title 5)
- Local Upgrade Approval is requested for a 4'± reduction in required setback to a property line from a septic component for a 6'± setback to a property line from a proposed tight tank.
- Local Upgrade Approval is requested for the reduction of the minimum 12" separation for high groundwater to the inlet tee.

This hearing is <u>tentatively</u> scheduled for Wednesday, May 11, 2022 at <u>5:00 p.m.</u> in Conference Room 2 of the Bourne Veteran's Memorial Community Building, 239 Main Street, Buzzards Bay. Information regarding the hearing may be available for your review one week prior to the meeting by contacting the Bourne Health Department at 508-790-0600, Ext. 1513, Monday through Friday from 8:30 a.m. until 4:30 p.m.

Meeting agendas are posted on the Town of Bourne website, <u>www.townofbourne.com/health</u> 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 the undersigned at <u>zac@brackeneng.com</u> or the Bourne Health Department at 508-790-0600, Ext. 1513.

Sincerely,

**BRACKEN ENGINEERING INC.** 

Zachary L. Basinski, PE, C.F.M Project Manager Agent for the Applicant









