



January 5, 2021

revised: February 3, 2021

Ms. Terri Guarino, R.S., C.H.O.  
Bourne Board of Health Agent  
24 Perry Avenue  
Bourne, MA 02532

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Bourne Health Department  
24 Perry Avenue  
Bourne, MA 02532

RE: Parcel 87, 24 North Beach Avenue, Bourne ~ Thomas W. Tarobelli

Dear Ms. Guarino:

On behalf of our client, Thomas Tarobelli, we request the Town of Bourne Board of Health approval of a Title 5 Septic Upgrade Design (no increase in flow) at the above referenced address.

Based on a drawing by our firm, dated October 21, 2020, and revised six (6) variances under Section 1 of the Town of Bourne Board Health Regulations and Title 5, requiring a 150 feet setback from the Wetland Resource Areas to leaching facility; setbacks to property lines and street lines will be needed in order to proceed with the upgrade of the substandard septic system. The property does not contain an area that will meet the local 150' setback to wetlands. Also, because of the existing site features and topography of this lot, which includes wetlands in close proximity, the best approach to the 150 feet requirement from the soil absorption system is to also waive setbacks to the property lines and street lines. A pump chamber (lift station) is proposed to provide a 4' separation to the groundwater table. Because the proposed leaching field is a bed (bottom area), the design seeks a waiver from the 5' to 2' unsuitable material removal beyond the perimeter of the leaching facility. Due to these circumstances, the setback distances requested are as follows:

NO	DESCRIPTION	BYLAW REQUIRED	STATE REQUIRED	PROPOSED	WAIVER
1.	S.A.S Setback to Wetland	150'	50'	64'	86' *
2.	S.A.S. Setback to Street line	10'	10'	3'	7' *
3.	S.A.S. Setback to Property Line	10'	5'	5'	5' *
4.	S.A.S. Setback to Groundwater	5'	5'	4'	1' *
5.	Pump Chamber to Foundation	10'	10'	6'	4' *
6.	MicroFast tank to Foundation	10'	10'	6'	4' *
7.	MicroFast tank to Property Line	10'	10'	4'	6' *
8.	Unsuitable Soil Strip-out Extent	5'	5'	2'	3' *

No additional bedrooms to be created, and therefore no increase in sanitary design flow.

The Bourne Conservation Commission approved the septic system upgrade project during a public hearing held on January 21, 2021. The proposed wetland setbacks exceed the state Title 5 minimum requirements of 50' under 310 CMR 15.211 (1).

If you have any questions please feel free to contact me.

Sincerely,

Raul Lizardi-Rivera, P.E.  
Director of Engineering

Encl. 7 Copies of Request and Plan  
Cc: Thomas Taborelli