



McSweeney Associates, Inc.

Environmental Engineering Services

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**Narrative for proposed work:**

The Site is Located at 73 Gilford Road in Hingham MA 02043. The site has a preexisting dwelling on it and abuts a Salt Marsh, an AE, an ACEC, River, and Coastal Bank. Work is outside the coastal bank and the AE but within the 50' buffer zone to the salt marsh, the mapped ACEC was taken from the Hingham GIS, as well as the approximate location of the Mean High Water Line of the riverfront area was taken from Mass Mapper - USGS Rivers and Streams.

What is being proposed to is replace a pre-existing cesspool with a modern nitrogen reducing system. The system being proposed is a singular TNT 500 Treatment tank, which helps remove nitrogen from the wastewater, that runs to a field composed of Infiltrator Quick 4 Standard low Profile Chambers. The existing cesspool will be pumped dry and filled with sand.

The pre-existing cesspool is also within the 50' Buffer and the mapped ACEC. So replacing it with a modern Nitrogen Reducing System will have an overall positive outcome on the lot and bordering environmental factors.

Also to note Under 10.58(6)(c) the repair or upgrade of an existing system is exempt from the riverfront act and has been approved by the Hingham BOH.

Since work is within the area of the buffer zone of a Salt Marsh compliance of 310 CMR 10.32(3)-(6) has been met by the following:

(3) Work will not destroy any part of the salt marsh due to the work being outside of the Salt Marsh boundary as well it will have no adverse effect on its productivity due to the fact there was an existing cesspool on the property that has failed.

(4) We are not constructing anything within the salt marsh.

(5) We are not restoring or rehabilitating a salt marsh.

(6) Since we will be upgrading a failed system with a newer modern system it will have no adverse effect on the specified habitat site or Rare Species.

**Waiver from HWR 23.1:**

Due to the constraints of the lot, part of the system is within the 50' Buffer Zone. This is due to the fact the lot is dominated by shallow and exposed bedrock, as well as insufficient areas anywhere else on the lot.

Also to note BOH agreed with this conclusion when they approved the plan on  
11/17/2025