

NOTICE OF INTENT

**Under the Massachusetts Wetland Act and
Town of Franklin Wetland Protection By-Laws
Relative to a Proposed Upgrade of a Residential Septic System**

Located at:

**7 Briarwood Road
Franklin, Massachusetts
Assessor Map 230 Lot 6**

Prepared for:

**Cristina Aquino
7 Briarwood Road
Franklin, MA 02356**

Prepared by:

**Collins Civil Engineering Group, Inc.
225 South Main Street
West Bridgewater, MA 02379**

**September 30, 2024
Amended October 9, 2024**

Project #24-157-4052

**Notice of Intent
7 Briarwood Road
Franklin, Massachusetts**

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**Notice of Intent
7 Briarwood Road
Franklin, Massachusetts**

NARRATIVE

PROJECT DESCRIPTION

Map 230 Lot 6, 7 Briarwood Road, is a residential zoned, paved and grassed and wooded 114,482 square foot lot, located on the north side of Briarwood Road, with an intermittent stream located to the north of the existing house. The site has a residential house located in the central portion of the site. According to the FIRM Town of Franklin, Massachusetts, Bristol County, Community Panel Number 25021C0307E, dated July 17, 2012, the site is located in a Zone X (see Figure 3, According to the MA OLIVER GIS MAP dated 9-26-24 the proposed activities are marginally located within the "Estimated Habitats of Rare Wildlife and Certified Vernal Pools" or the "Priority Habitats of Rare Species" (see Figure 2). The site is not located in an Area of Critical Environmental Concern.

The applicant is proposing the upgrade of a septic system for an existing residential house. Plan has been prepared by Collins Civil Engineering Group, Inc. titled, "Plan and Details Subsurface Sewage Disposal System", Dated 9-24-24. The referenced plan is an attachment to this submittal.

The intermittent stream the vicinity of the proposed activities was delineated by Brooke Monroe, Environmental Scientist. The wetland flags were located using acceptable survey practices by Collins Civil Engineering Group, Inc.

An erosion control system consisting of street sweeping, and an 8" **composting silt sock** along the work limits. Erosion controls will be as close as 51' to the wetland resource area. The proposed leaching trench and septic tanks will be 67' and 58' from the wetland resource area respectively. This erosion control system will effectively protect the wetland resource areas associated with this project. The erosion control system will be kept in place until all landscaping activities are complete and stabilized as stated in note 2 of the 'Wetland and Sediment Control Notes' in the plan. **The erosion controls will stay in place until the site is stabilized and inspected by the conservation agent. It should be noted that there will be no tree removal within the 100-foot wetland buffer zone. Some trees will need to be removed outside the 100-foot buffer zone for site access.**

Alternatives Analysis:
Pursuant to the Town of Franklin Conservation Regulations - Section 7.13

Preamble: This lot was subdivided in 1982 and the replacement of a septic system is an exempt activity under the Rivers Protection Act.

- (a) **Protection of Other Resources:** The proposed septic replacement exceeds Title 5 standards and all applicable horizontal and vertical setback requirements are met. The Division of Fisheries & Wildlife letter dated 10-9-24 indicate that the proposed activities will not adverse effect the actual resource. Erosion controls are proposed to protect the intermittent stream. The general nature of the project promotes the protection of other resources by the replacement of a failed septic system with a fully compliant septic system. There are no other jurisdictional resources in the vicinity of the proposed work.
- (b) **Protection of Rare Species:** Please see the refenced Division of Fisheries & Wildlife letter dated 10-9-24.
- (c) **Practicable and Substantially Equivalent Economic Alternatives:** Other locations the property that may be suitable for the placement of the leaching field will require tree removal and or a pump camber. A pump chamber will add approximately \$6,000 in construction costs. Due to the location of the existing interior plumbing, the septic tank needs to exit the rear of the house, so there is no Practicable and Substantially Equivalent Economic Alternatives for the proposed work.

Functions & Characteristics Statement

Public Water Supplies – *Distance from proposed project to nearest public well.* **The proposed septic system is greater than 500 feet to a public drinking water supply.**

Private Water Supplies – *Distance to nearest private wells.* **The proposed septic system is greater than 500 feet to a private drinking water supply.**

Groundwater – *Depth to groundwater as well as impacts associated with construction (i.e. digging or blasting) and operations (water use, use of toxic or hazardous materials and stormwater management).* **The Title 5 water tables separation requirements are met with the proposed septic system.**

Flood Control – *Work within the 100-year flood plain must address compensatory storage.* **The site is outside the 100-foot flood zone.**

Erosion and Sedimentation – *This item must be addressed for both the construction and post construction conditions at the property.* Before work starts, erosion controls will be installed. **The erosion controls will stay in place until the site is stabilized to prevent any post construction erosion impacts.**

Storm Damage Prevention – *Address whether the project will have an adverse effect on the way that the wetland or flood plain will be able to minimize water and wind related impacts during large-scale storm events.* **This will be approximately a 1-week project and the erosion controls that are proposed will be highly effective in storm damage prevention.**

Water Quality - *This item must be addressed for both the construction and post construction conditions at the property. This item will address the quality of the surface waters associated with the resource area being impacted by the project.* **The proposed erosion controls will protect the intermittent stream to assure that there are no water quality impacts on the surface waters in the area.**

Water Pollution Control - *This item must be addressed for both the construction and post construction conditions at the property.* **The erosion control systems will protect the environment from a water quality perspective and the proposed system will eliminate a currently failed septic system and replace it with a new fully compliant septic system.**

Fisheries – *Reserved for work taking place adjacent to ponds and perennial streams. The response must address both the construction and post construction conditions at the property.* **This item does not apply.**

Wildlife Habitat - *This item must be addressed for both the construction and post construction conditions at the property.* **There will be no tree removal within the 100-foot buffer zone to the intermittent stream. The site is on the edge of NHESP jurisdiction and an application will be submitted to NHESP. The upgrade of a septic system is an exempt activity under the NHESP program. We received notification from NHESP that the proposed activities will not adverse effect the actual resource (see the Division of Fisheries & Wildlife letter dated 10-9-24).**

Rare Species Habitat (*including rare plant species*) - *This item must be addressed for both the construction and post construction conditions at the property.* **The site is on the edge of NHESP jurisdiction and an application will be submitted to NHESP.**

Agriculture – *This item must be addressed for both the construction and post construction conditions at the property.* **The project will not impact any agricultural activity in the area. We received notification from NHESP that the proposed activities will not adverse effect the actual resource (see the Division of Fisheries & Wildlife letter dated 10-9-24).**

Recreation – *This item must be addressed for both the construction and post construction conditions at the property and include both passive and active recreational uses.* **This project will not impact any public or private recreational activities.**