

PROJECT NARRATIVE

Section 1.0 Introduction

The project at 42 Popes Lane in Hingham (the site) consists of a proposed addition and driveway extension to an existing single-family home. The Town of Hingham Assessors Department references the site as Map 92 Lot 4. Portions of the proposed project occur within the 100-foot buffer zone to Bordering Vegetated Wetlands and 200-foot Riverfront Area. Prior to the start of work, erosion controls will be installed in order to protect wetland resource areas. This application is being submitted in accordance with the Massachusetts Wetlands Protection Act and the Town of Hingham Wetlands Protection Bylaw.

Section 2.0 Site Description

The site consists of a single-family home with associated paved driveway, deck, pool, shed, lawn, landscaped areas, etc. The site is located to the west of Popes Lane and surrounded by single-family homes to the north and west, woodlands to the east and a perennial stream to the south. Environmental Consulting & Restoration, LLC (ECR) completed a wetland delineation of the resource areas on and near the site on May 19, 2020. As a result of ECR's field work and review of available environmental databases, ECR is able to confirm that the site contains the following wetland resource areas and areas of Conservation Commission jurisdiction:

- Bordering Vegetated Wetlands (BVW)
- 100-foot Buffer Zone to BVW
- Inland Bank to a perennial stream
- 200-foot Riverfront Area

Notes:

1. The site is not located within mapped areas of Priority Habitat & Estimated Habitat for Rare Species according to the Massachusetts Natural Heritage & Endangered Species Program (MaNHESP).
2. The site is located near a Certified Vernal Pools according to the MaNHESP. The limit of the Certified Vernal Pool within the BVW near the site was delineated during ECR's May 19th field work.
3. The site is not located within Land Subject to Flooding (FEMA flood zone)
4. The site is not located within an Area of Critical Environmental Concern.
5. The site is located near a U.S. Geological Survey mapped perennial stream.

A BVW system is located throughout the eastern and southern portion of the site associated with a USGS mapped perennial stream. Another BVW is located off site to the north. The wetlands were delineated in accordance with the Massachusetts Department of Environmental Protection (DEP) regulations found at 310 CMR 10.55 pertaining to the delineation of Bordering Vegetated Wetlands. The delineation was performed by analyzing vegetation, hydrology within 12 inches of the surface, and soil conditions within 20 inches of the surface. The BVWs contain hydric soils, hydrology, and dominant wetland indicator plants. Wetlands were flagged with pink and black ribbon #A1 to #A10, off site to the north, and #B1 to #B32, along the eastern and southern portions of the site.

Within the A series wetland exists a mapped Certified Vernal Pool by the MassGIS Wetlands Database. Therefore, ECR delineated the Mean Annual High Water line of this vernal pool facing the site with blue flags #VP1 to #VP5. Additionally, the B series wetland contains a U.S. Geological Survey (USGS) mapped perennial stream. Therefore, ECR delineated the Inland Bank/Mean Annual High Water line of

this stream facing the site with blue ribbons #IB1 to #IB8 in order to identify the 200-foot Riverfront Area that extends over a portion of the site.

Section 3.0 Proposed Activities

The purpose of this Request for Determination of Applicability application is to authorize the construction of an addition and the extension of an existing driveway associated with an existing single-family home at the site. Portions of the proposed work are located within the 100-foot buffer zone to the "A" series wetland. A small portion of the proposed driveway, approximately 12 square feet, is located within the outer-most limit of the 200-foot Riverfront Area. All proposed work is located within previously developed areas that currently exists as maintained lawn/landscaped areas. The proposed project has been designed to protect all nearby wetland resource areas and shall follow the methodology below:

1. Installation of an erosion control line along the limit of work to protect the nearby wetland resource areas.
2. Stockpiling of materials shall be landward of the 50-foot buffer zone within the existing maintained lawn and/or driveway.
3. Construction of the proposed addition and driveway extension located along the western portion of the home. The proposed addition is approximately 350 square feet and is within an area of existing maintained lawn/landscaped beds. Associated with the proposed addition is a proposed porch approximately 95 square feet in size. The proposed driveway extension is also located within existing maintained lawn/landscaped beds. Please note, only approximately 12 square feet of the proposed driveway is located within the Riverfront Area.
4. Upon completion of the proposed project, any disturbed areas shall be restored and stabilized as lawn or native plant beds.

For more information, please refer to the attached Plan of Land.

Section 4.0 Summary

Erosion and sediment control measures will be implemented and maintained throughout the duration of the construction process to prevent the conveyance of sedimentation into environmentally sensitive areas. Disturbed areas will be stabilized upon the completion of work and stockpiling of materials shall be located beyond the 50-foot buffer zone. It is ECRs professional opinion that the proposed activities will not significantly alter an Area Subject to Protection under the Wetlands Protection Act or Town of Hingham Wetlands Bylaw and; therefore, it does not require the filling of a Notice of Intent.