

Estimated Habitat of Rare Wildlife for Coastal Wetlands (310 CMR 10.37)

Attached, please find a copy of the current Natural Heritage and Endangered Species Program map dated August 1, 2021. The map shows that a portion of the proposed construction activities are located within a mapped, known, or certified area of “*Priority Habitat of Rare Species*”, “*Estimated Habitat of Rare Wildlife*”, and/or “*Certified Vernal Pools*”. For this reason, a copy of the Notice of Intent plan and application has been filed with the Natural Heritage and Endangered Species Program.

Land Subject to Coastal Storm Flowage

Although mapped as a FEMA AE9 zoned floodplain on the latest FEMA map, the elevations collected during the on-ground survey show that the majority of the site and proposed construction activities are in areas above the base flood elevation. Regardless, all proposed construction/project activities shall take place within this mapped regulated resource area and therefore indirect/direct impacts are being proposed. It is our professional opinion that the work proposed is in compliance with the specific performance standards listed as the proposed residential addition and deck shall be constructed on an open piles foundation system at an elevation above base flood in accordance with state and local requirements and new no impervious surfaces are proposed. Proposed construction activities will not have an increased or adverse effect on the resources ability to contain flood waters, will not displace, deflect, or impact the natural movement of water or sediment.

City of Newburyport Wetlands Protection Regulation Section 8(E)(2)(d) – Relative Sea Level Rise Considerations

In accordance with building code requirements all living space proposed to be constructed within a FEMA AE floodplain must have the lowest floor of the proposed living space situated at an elevation at least 1-foot above the mapped flood elevation. The base flood elevation in the area of this project is elevation 9. In accordance with local conservation commission requirements a relative sea level rise of 40-inches, or 3.33’, was also applied to this project requiring that all proposed living space be at or above elevation 12.33. As shown on the attached site plan and architectural plan set, the bottom of the lowest horizontal steel support is set at elevation 12 with a proposed floor thickness of more than 1-foot. As such, all proposed living space is designed in consideration of and above the 40-inch projected sea level rise.