

# ECR

Environmental Consulting & Restoration, LLC



## WETLAND DELINEATION MEMO

**TO:** Morse Engineering Company  
**FROM:** Brad Holmes  
**DATE:** August 11, 2020  
**RE:** 14R Friend Street, Hingham

Per your request, Environmental Consulting & Restoration, LLC (ECR) performed a review of the existing conditions at the property located at 14R Friend Street in Hingham (the site) on July 24, 2020. The purpose of the review was to identify wetland resource areas on or near the site. The site is located at the southwest end of a driveway located between 14 and 16 Friend Street. The site contains a single-family home with shed, driveway, yard area, etc. The southwestern portion of the site contains wetland resource areas associated with a USGS mapped perennial stream that was dry during the delineation event. ECR placed wetland flags (pink/black striped ribbons) #A1 to #A9 to mark the limit of the BVW located along the edge of the maintained yard at the site. The vegetated wetland was delineated following the methodology established by 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 wetland contains hydric soils, saturated soils, and dominant wetland indicator plants.

ECR also delineated the Mean Annual High Water line of the perennial stream located within the BVW at the site by placing blue ribbons #MAHW1 to #MAHW5 to mark the stream limit. There was no apparent first break in slope or Top of Inland Bank so the Mean Annual High Water line was delineated to identify the stream. This stream is mapped on the USGS map as a dark blue line, which designates perennial status. However, there was no flow and the streambed was dry during the delineation event. Please note that additional documentation of dry stream bed conditions during a no-drought period would be needed to overturn a perennial stream designation per the Riverfront Regulations found at 310 CMR 10.58.

As a result of ECR's site review, 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
- 200-foot Riverfront Area
- Bordering Land Subject to Flooding

Also review of the MassGIS wetlands database reveals the following:

1. The site is not located within Estimated/Priority Habitat for Rare Species according to the Massachusetts Natural Heritage & Endangered Species Program (MaNHESP).
2. The site does not contain Certified Vernal Pools according to the MaNHESP.
3. The site does contain a U.S.G.S. mapped perennial stream as noted above.
4. The southwestern portion of the site is located within areas mapped as Bordering Land Subject to Flooding (FEMA AE flood zone).
5. The site is not located within an Area of Critical Environmental Concern.

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Upon review of this wetland delineation memo, please contact me at (617) 529 – 3792 or [brad@ecrwetlands.com](mailto:brad@ecrwetlands.com) with any questions or requests for additional information.

Thank you,  
Brad Holmes, Professional Wetland Scientist #1464  
Manager