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July 13, 2020

Town of Princeton
Attn: Sherry Patch
6 Town Hall Drive
Princeton, MA 01541

RE: 18 Boylston Avenue, Princeton, MA – Wetland Delineation Report

Dear Mrs. Patch,

On behalf of Town of Princeton, on May 12, 2020, a Professional Wetland Scientist (PWS®) from Hancock Associates performed a formal wetland delineation identifying all jurisdictional wetland resource areas under the Massachusetts Wetlands Protection Act within and to a distance of 100-feet from a town owned property located at 18 Boylston Avenue in Princeton, MA (identified as Map 12.C/Lot 9 on Town of Princeton Assessors Maps). The following memorandum summarizes these findings.

Existing Conditions

The property at 18 Boylston Avenue is a 4.5 acre lot developed with a municipal office building. Prior to performing the field wetland delineation, Hancock Associates performed a desktop review of available resources, including MassGIS datalayers, USGS 7.5-minute quadrangle maps, NRCS Soils Maps, FEMA Flood Insurance Rate Maps (FIRMs), aerial imagery in appraisal of wetland resources and other potential sensitive resource areas that may require environmental permitting.

According to MassGIS MassDEP wetland datalayer, there are mapped vegetated wetlands located within 100-feet of the subject property to the east and north. There is an intermittent stream located within this resource area.

According to MassGIS datalayers, portions of the property are located within mapped Zone A Surface Water Protection Zone associated with the Wachusett Reservoir.

According to the USGS 7.5-minute quadrangle map, there are no mapped perennial waterways located within 200-feet of the subject property. According to MassGIS datalayers, there are no other sensitive resource areas such as Areas of Critical Environmental Concern (ACECs), Outstanding Resource Waters (ORWs), Natural Heritage and Endangered Species Program

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(NHESP) mapped Priority or Estimated Rare Species Habitats, NHESP Certified or Potential Vernal Pools were identified within proximity of the subject property.

Wetland Delineation

A Professional Wetland Scientist (PWS®) from Hancock Associates performed a field wetland delineation on the property on May 12, 2020. The delineation was performed in accordance with standards set forth in the Massachusetts Wetlands Protection Act and guidance document *Delineation Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act* issued by the MassDEP Department of Wetlands and Waterways in March 1995.

Based on this delineation, the jurisdictional limit of Bordering Vegetated Wetlands (BVW) was field delineated with a total of twenty three (23) pink surveyors flags, labeled "WETLAND DELINEATION", identified as A-series flags (100 through 122). Wetland indicator plant species observed within this system included skunk cabbage (*Symplocarpus foetidus*, OBL), sensitive fern (*Onoclea sensibilis*, FACW), jewelweed (*Impatiens capensis*, FACW), Massachusetts fern (*Matteuccia struthiopteris*, FAC), northern spicebush (*Lindera benzoin*, FACW), highbush blueberry (*Vaccinium corymbosum*, FACW), glossy buckthorn (*Frangula alnus*, FAC), and red maple (*Acer rubrum*, FAC). Field indicators of hydrology included water stained leaves, high water marks, and soil saturation to surface.

Immediately up gradient of the wetland flags, the plant species composition transitions to upland dominant plant species, including Canada mayflower (*Maianthemum canadense*, FACU), partridge berry (*Mitchella repens*, FACU), starflower (*Lysimachia borealis*, UPL), northern dewberry (*Rubus flagellaris*, FACU), and eastern white pine (*Pinus strobus*, FACU).

Please feel free to contact me with any questions or requests for additional supporting information.

Regards,



David Cowell, PWS, CWB, CERP
Senior Wetland Scientist / Project Manager

