



# Caron Environmental Consulting

978-874-5469

Wetlands • Forestry • Permitting • Habitat Studies

June 16, 2016

Mr. Scott Hayes  
Foresite Engineering Associates, Inc.  
16 Gleasondale Road; Suite 1-1  
Stow, MA 01775

Re: Wetland Delineation  
Sal's Auto  
Willow and Central Streets/Acton

Dear Mr. Hayes:

As requested I have delineated the wetlands on the above-referenced site. The delineation was conducted on August 18, 2016 and was based on observations of the plant communities, soil conditions, bank topography and hydrology.

The edges of bordering vegetated wetlands, and in some locations the top of bank of an intermittent stream, were delineated with blue flagging labeled A1 to A8 and B1 to B36. The wetlands are primarily wooded. The upland is developed but contains small patches of woods.

The most abundant species that are confined primarily to the wetlands include American elm, swamp white oak and tussock sedge. The most common species occurring primarily in the uplands include red oak, sugar maple, Norway maple, black birch, fox grape, Morrow honeysuckle, Japanese knotweed, pokeweed and yellow foxtail. As is often the case on disturbed/developed sites there are many species that are dominant in both the uplands and wetlands including red maple, green ash, barberry, bittersweet, multiflora rose, poison ivy and jewelweed.

The wetland soil in the less disturbed areas has an A-horizon that is at least 16 inches deep with a Munsell Soil Color of 10 YR 2/1 (black) that contains both high and low chroma mottles. The upland soils, where relatively natural, have an 8 inch deep Ap-horizon with a color of 10 YR 2/2 (very dark brown) which is not mottled. The underlying Bw-horizon has a color of 10 YR 5/6 (yellowish brown). In many areas of the site the soils are udorthents. Udorthents are soils which have been emplaced or otherwise heavily disturbed and modified by human activity. The presence of both high and low chroma mottles, with concentrations greater than 5%, within the upper 12 inches signifies that the udorthents is hydric.

The MassGIS on-line viewer does not indicate any Estimated/Priority Habitat Areas, Certified Vernal Pools or Potential Vernal Pools on the site. Please be aware that the FIRM map indicates that portions of the site are located within the 100-year flood zone.

If you should have any questions in regards to this matter please feel free to contact me.

Very truly yours,

Charles E. Caron