



Caron Environmental Consulting, LLC

Wetlands • Forestry • Permitting • Habitat Studies

August 3, 2024

Littleton Conservation Commission
33 Shattuck Street
Littleton, MA 01460

Re: Wetland restoration
Kaldenberg property
30 Warren Street

Dear Commission Members:

We have examined the above-referenced site to assess the area of wetlands that was disturbed and to develop a restoration plan for the area, which is attached. We have visited the site on June 19 and July 31, 2024.

It is our understanding that the wetland area behind the house originally supported a plant community dominated by herbaceous vegetation, and that the previous owner had mowed the area on a regular basis. The area was always wet. We do not know the frequency of mowing so it is uncertain if the area was a small patch of wet meadow or was more lawn-like.

After purchasing the property, unaware that he was working in wetlands, Mr. Kaldenberg attempted to make this area more usable. These efforts including establishing a small, crushed stone filled trench through the center of the area. In addition, a layer of fill, with a depth generally of about 2 inches, was placed on portions of the area. These actions appear to have impacted about 2,400 square feet of the wetland area.

In order to establish a wetland delineation we referred to a 2003 plan by David E. Ross Associates that was prepared for a septic system repair, which we believe was approved by the Commission. We feel that basing the line on this previous delineation will for the most part be more accurate than trying to assess the wetland limits in the disturbed area. We re-established the previous wetland flags numbered 2 to 7 by measuring their distance from fixed features on the site. We did examine these locations to determine if they still make sense with current conditions. It appeared that the wetland line should be higher at Flag 2, and we placed a new Flag 2R nine feet up-gradient. The locations of Flags 3, 4, 6 and 7 still appear accurate. We do feel that the wetland extends further south past Flag 5. We placed two un-numbered blue flags on the house-side of the wetland to demarcate the wetlands in this area, although it is entirely outside of the altered area.

Based on these observations we have developed a restoration plan for the area that is attached.

As you are aware, part of the problems on the site arise from roof runoff and other drainage issues. Now that we have established a wetland line, Foresite Engineering is undertaking an examination of the area and is developing a plan to mitigate runoff, particularly the roof runoff. As soon as that design is completed, we will provide it to the Commission to be incorporated into the work to be undertaken under the Enforcement Order.

We look forward to working with the Commission to resolve this issue. If you have any questions please do not hesitate to contact us.

Very truly yours,
CARON ENVIRONMENTAL CONSULTING LLC

By;

A handwritten signature in dark ink, appearing to read 'Charles E. Caron', written over a horizontal line.

Charles E. Caron

Enc.

c.c. Mr. Casey Kaldenberg
Foresite Engineering