

WEST ENVIRONMENTAL INC.

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Mike Sievert, PE
Horizons Engineering, Inc.
5 Railroad Ave
Newmarket, NH 03857

August 8, 2022

RE: 19 Main Street Durham NH

Dear Mike:

West Environmental, Inc. (WEI) had previously flagged the wetland boundary on this property on April 20, 2018. One small, isolated wetland was flagged in the southwest corner of the property and a second wetland was observed flagged by others south of the parcel on other side of the stonewall. Both wetlands are identified on the Site-Specific Soil Survey Plan. WEI revisited the site on August 4, 2022, to confirm that the wetland flags were still in the appropriate location and the wetland boundary had not changed in the past four years. Two large trees have fallen over in the vicinity of the wetland and the previous flag stubs were still present. This wetland is in a depression and has higher ground surrounding it.

These wetlands were delineated mapped according to the following standards:

- **US Army Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1 (January, 1987).**
- **Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (October 2012).**
- **New England Hydric Soils Technical Committee's "Field Indicators for Identifying Hydric Soils in New England", Version 4, 2017,**
- **Northcentral and Northeast 2016 Regional Wetland Plant List, Version 3.3, 2016**
- **Code of Administrative Rules. Wetlands Board, State of New Hampshire (Current).**

We evaluated soil probes, evidence of wetland hydrology and plant communities to verify the edge of wetland. These wetlands have poorly drained soils. This wetland is classified as PFO1E and the two trees that have fallen over are a white pine and a red oak. The shrub layer includes Japanese barberry, silver maple and glassy buckthorn. The herb layer includes, spinulose woodfern and grasses. The wetland appears to hold a few inches of water in the spring.

WEI contacted Joe Noel, NH Certified Soil and Wetland Scientist as he has prepared a Site-Specific Soil Survey in October 2020 for the property. He agreed with the wetland delineation as shown on the plans and as he observed them in the field.

We have attached photos of the onsite wetland. This completes our report.

Sincerely



Mark West, West Environmental Inc.
NH Certified Wetland Scientist #10

