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VIA E-MAIL

February 16, 2021

Juliano Associates LLC
405 Main Street
Yalesville, Connecticut 06492

ATTN: James DiMeo, P.E.

RE: SOIL INVESTIGATIONS
10 Hamden Hills Drive, Hamden, CT

REMA Job # 21-2362-HAM15

Dear Mr. DiMeo:

At your request, on February 6th, 2021, REMA ECOLOGICAL SERVICES, LLC (REMA), conducted an in-field investigation at the above-referenced property for the presence of regulated wetlands and watercourses.

The roughly 5.19-acre parcel is located at the southwestern corner of the intersections of Evergreen Avenue and Hamden Hills Drive, in Hamden, CT. Under existing conditions, the property is characterized predominately as a mid-successional, post-agricultural vegetated cover type, with young developing woods and shrub and vine tangles, including invasive species, such as autumn olive. At the edges of the property, at lower elevations, and along the two aforementioned roadways, there are larger diameter second-growth trees, including planted evergreens. A dirt roadway leads up to the highpoint of the property, where there is an open area characterized with forbs and grasses occurs. This area appears to be periodically mowed. Slopes on the parcel average 10 to 15 percent, but steeper slopes of 40 percent or more occur near the roadways.

The bedrock or parent materials for the site's soils is the New Haven arkose, which is readily seen as it exposed along Hamden Hills Drive when blasting/excavation took place for the

Mr. James DiMeo, P.E.
RE: 10 Hamden Hills Drive, Hamden, CT
February 16, 2021
Page 2



roadway when it was cut through two plus decades ago. According to the Connecticut Web Soil Survey, the dominant soil type at the higher elevations on the property is the well-drained, Yalesville (69) fine sandy loam, while for the moderate and steeper slopes it is the well-drained Cheshire-Holyoke (77) soils series complex. For the most part, these soil series were observed at the site. However, some past grading and excavation has taken place the higher elevations of the site, and evidence of past exploratory deep hole test pits was readily observable, even through dense shrubby vegetation.

In conclusion, the site does not support any poorly or very poorly drained soil types, which would be regulated as wetlands under Connecticut Statutes.

Please contact us at our office should you have any questions on the above.

Respectfully submitted,

REMA ECOLOGICAL SERVICES, LLC

A handwritten signature in black ink, which appears to read "George T. Logan". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

George T. Logan, MS, PWS, CSE
Registered Soil Scientist/Certified Professional Wetland Scientist