

Received
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East Hampton
Land Use Office

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Wayne Rand
Global Self Storage
244 Middletown Avenue
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October 19, 2021

RE: INLAND WETLAND SOILS AND WATERCOURSES INVESTIGATION AND
DELINEATION ADJACENT TO LONG HILL ROAD FOR A PROPOSED SELF
STORAGE FACILITY, 265 WEST HIGH STREET, EAST HAMPTON CT

Dear Mr. Rand:

On November 14, 2020 I conducted a field site investigation to investigate the site next to your newly proposed storage facility. That site is now known as Long Hill Estates to determine if any inland wetlands and/or watercourses exist on the site.

I tested the soils throughout the site using a soil auger to a depth of 2-3 feet. Based on my field observations and using the guidelines established by the National Cooperative Soil Survey and as defined by the Connecticut General Statutes, I delineated the inland wetland soils and watercourses on the site.

I delineated the inland wetland soils and watercourses using blue flagging numbered 1-43 and 44 -72 respectively. The inland wetlands soils are associated with and found along the edges of an intermittent watercourse that flows in a northerly direction to Long Hill Road from Charles Mary Drive.

I also recently delineated the intermittent watercourse in front of the existing indoor sports complex. My flags are numbered starting with my original flag number 10, 10A-10C to the existing culvert to 10D-10G respectively. This intermittent watercourse conveys storm water flow from the adjacent roadways and the existing parking area for the sports complex. Throughout the reach of this watercourse there is evidence of scour and undermining of its banks and there are areas where this material has been deposited in the bottom and has been transported further downstream.

I still maintain that the intermittent watercourse along the top of the bank adjacent to the sports complex along the western property line is not a perennial watercourse, as a home owner abutting the detention pond confirmed my suspicions that the pond holds water in the summer to some extent, but there is no flow out of the overflow. When I conducted

my site visit in November there was no flow, merely some random wet spots in low areas that pooled within the actual intermittent watercourse. There is also no real defined bank and channel, but merely a braided flow in some areas.

The wetland soils on the Long Hill Estates property are classified as a Leicester poorly drained course loamy sand which are typically found in depressions on glacial till uplands. The wetland area is wooded with mature trees and shrubs and the intermittent watercourse is stable with a rock and stone lined base and side slopes.

The main function of this watercourse is to convey storm water flow during specific storm events. This function will continue to exist as there limited disturbance within approximately 25' of the wetland.

The proposed detention pond on the existing sports complex property was modified to ensure the intermittent watercourse was no disturbed. The detention basin was also designed to accommodate a rain Garden like bottom with an elevation at 300.feet. Appropriate wetland plantings will be installed to provide some wild life and scenic benefits on the site. There is a proposed rip rap energy dissipator to convey storm water eventually to the intermittent watercourse with a slope of 5.85% to reduce velocity.

There will be 4,300 square feet of wetland disturbance to the intermittent watercourse in front of the sports complex along Long Hill Road. This disturbance is a result of grading and installing rip rap to stabilize the banks and provide a stable and firm channel bottom. This work should be done during a period of low flow or no flow. The disturbance will be temporary in nature. I would recommend that the surrounding areas be seeded with a wetland seed mix or conservation mix to stabilize any exposed soil surfaces. That can be done in the fall or early spring.

The proposed construction activities, if done correctly, should not have any significant adverse effects on the adjacent wetlands and watercourses. Stabilizing the currently erodible intermittent watercourse will actually provide a betterment to this resource and the brook further downstream.

If you have any questions or require further information, please contact me at the number referenced above.

Very truly yours,

James Sipperly
Certified Soil Scientist, Society of Soil Scientists of Southern New England
Connecticut Wetland Scientist, Connecticut Association of Wetland Scientists