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ENFIELD PLANNING DEPT.

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400 Nott Highway
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August 18, 2022

Town of Enfield
Inland Wetlands & Watercourses Agency
Enfield, CT.

Re : Wetland Report - Function and Value Assessment, Connecticut Organics, 18 Mullen Road, Enfield, Connecticut. Map 16 Lots 51 Zone: Industrial

Dear Commissioners:

I have conducted a wetland delineation for the above referenced address for JR Russo of East Windsor, CT. This report will address the soils as well as the functions and values associated with the identified wetlands. Potential impacts to the wetlands associated with the proposed development shown on Russo job # 2019-047A Dated 8-16-22 will be considered in this report.

Existing Conditions and plans for development

Connecticut Organics in Enfield is proposing the construction of a 143,406 square foot Storage area with access from the existing facility located at 18 Mullen Road. The wetland disturbance consists only of the 50 foot wide planting strip proposed along Mullen Road.

The 50' wide planting strip is proposed as a buffer along Mullen Road between wetland flag W1 and B8. This wetland planting is proposed along Mullen Road frontage to enhance the wetland functions. The total wetland enhancement will total 14,510 square feet. (see plan set). The location of the plantings (50' buffer plantings) is shown on Sh3, and the plant list and spacing is detailed on Sh4. The sizes are dictated by the Town Zoning Regulations.

Wetlands

The regulated areas on the plan is a result of existing low lying topography on a disturbed site existing within a large field area that has been in agricultural production for many years. The swale along Mullen Road is man made and the field areas have experienced much agriculturally related soil movement over the years past.

The wetland soils observed during my delineation consist primarily of the Scitico series. These soils are very deep, poorly drained soils formed in silty and clayey sediments. They are nearly level to very gently sloping soils in the low-lying positions of glaciolacustrine and marine terraces. Slope ranges from 0 to 5 percent. Permeability is moderate or moderately slow in the surface layer, moderately slow or slow in the upper part of the subsoil, slow or very slow in the lower part of the subsoil, and very slow in the substratum.

TAXONOMIC CLASS: Fine, mixed, semiactive, nonacid, mesic Typic Endoaquepts

The wetlands shown on this plan have been field delineated in accordance with the standards of the National Cooperative Soil Survey and the definition of wetlands as found in the Connecticut General Statutes, Chapter 440, Section 22A-38 and the Federal wetland criteria.

This delineation is not intended to be used for soil mapping but to identify the wetland soils relative to the development and management of this parcel. The wetland boundaries have been marked with pink and blue flagging as shown on plan.

Wetland Functions and Values

The wetland was inspected to determine wetland functions and values utilizing the Army Corps. of Engineers methodology as outlined in "The Highway Methodology Workbook Supplement". These wetlands exhibited the following wetland functions and values with the corresponding rationale:

Wetland Functions

Ground water recharge and discharge: potential for and public or private wells occur downstream of the wetland, wetland is underlain by sandy soils present in or adjacent to the wetland. This area has the potential to provide limited ground water recharge

Nutrient removal: Shallow water and limited open water exists within the complex. Overall potential for sediment trapping exists in the same areas. Saturated soils exist and ponded water is present in the wetland. Grass and other vegetation is present. These wetlands utilize and immobilize excess nutrients transported/deposited by developed areas up gradient.

The wetlands were also examined for wetland values (recreational, educational/scientific, visual/aesthetic, or uniqueness/heritage values) and the following values were noted with their rationale:

Wetland values

None found

Conclusions:

In summary, it is my opinion that the wetland areas are a marginally functioning wetland ecosystem and exhibit only two wetland functions and no wetland values.

In my opinion, as long as adequate sediment controls are in place, no substantial adverse wetland impact will result from this proposed construction.

If you have any questions concerning the wetland function assessment or this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'R. Zulick', written in a cursive style.

*Richard Zulick
Certified Forester and Soil Scientist
Member SSSSNE*