Soil Resource Consultants

P.O. Box 752 Meriden, CT 06450

January 24, 2023

SRC Job No. 23-03

Severino Bovino
Kratzert, Jones & Associates, Inc.
Lafayette Square Unit 3
1755 Meriden-Waterbury Turnpike
Milldale, CT 06467-0337

Dear Mr. Bovino:

Re: **Wetland Delineation – 426 Mount Vernon Road – Southington, CT**

At your request, I have completed an onsite investigation of this site. The purpose of my investigation was to identify and delineate the onsite inland wetlands and watercourse boundaries. The field work was completed on January 11, 2023.

The wetland and watercourse boundaries were marked with blue plastic flagging numbered **WF -1** through **WF-68**. Please refer to the enclosed sketch for the approximate location of the inland wetland and watercourse boundaries and selected wetland flag numbers. The sketch is not drawn to scale but is a field drawn representation of wetland and watercourse configurations. Flag numbers at property lines and other readily identifiable landmarks can be used to locate wetland lines in the field.

The wetland soil map prepared for this site is a refinement of data found in the **Soil Survey of Hartford County**. Each map unit is composed of a unique combination of soils. Areas with the same symbol have a similar soil composition.

The map units described below are based on data collected at this particular site. Soil surveys in Connecticut were originally conducted for primarily agricultural purposes and do not provide site specific information. The minimum area delineated on a soil survey map sheet is approximately 2-3 acres in size. For this reason there may be some differences between the following information and that published in the Soil Survey.

INLAND WETLAND SOILS

The identification of inland wetland areas on this site is based on my field observations of test borings and the guidelines of the **National Cooperative Soil Survey Program**. Test borings were done using a shovel and or hand auger.

In Connecticut inland wetland soil categories include poorly drained soils, very poorly drained soils, alluvial and flood plain soils.

Aa (17)
The **Aa** map unit is composed primarily of Timakwa and Natchuag soils (formerly Adrian and Palms) on 0 to 3 percent slopes. These soils are very deep and very poorly drained. Typically, these soils have an organic surface layer 16 to 51 inches thick. The underlying layer is sandy or loamy in texture to a depth of 60 inches or more. These soils have a water table within 12 inches of the soil surface for the majority of the year.

Aq
The **Aq** map unit consists primarily of disturbed soil materials with poorly drained characteristics generally less than 20 inches down from the existing soil surface. The natural soil profile has been disturbed by previous filling and or grading activities. Classification into natural soil map units is not possible. This map unit is referred to taxonomically as - Aquents.

W\C
The **W\C** designation refers to the existence of a watercourse on the subject property. The watercourse is a well defined channel or ditch area that conveys excess surface water runoff from its drainage area as well as groundwater seepage areas and or inland wetland soil areas.

NON-WETLAND SOILS

The non-wetland soils were not studied or mapped in enough detail to provide approximate boundaries. Some observations were made of these soils during the process of identifying the inland wetland areas. Random soil boring locations were flagged with pink & black stripped plastic ribbon. The following map unit descriptions do not constitute a detailed soil investigation of these upland areas, but may be used as a guide in site planning.

Ud (308)
The **Ud** map unit consists of moderately well to well drained disturbed soils. It is composed of filled areas and areas consisting of both cut and fill. Soils in this map unit have been disturbed by previous minor excavation and grading activities associated with the existing altered portions of this site.

Classification into natural soil units is impossible. This map unit is referred to taxonomically as Udorthents. Original diagnostic soil horizons are not present. Soils in this map unit have a wide range of characteristics. Textures are predominantly gravelly fine sandy loams. Large boulders are present throughout this map unit. Permeability can be variable due to the lack of soil profile structure caused by the grading activities.

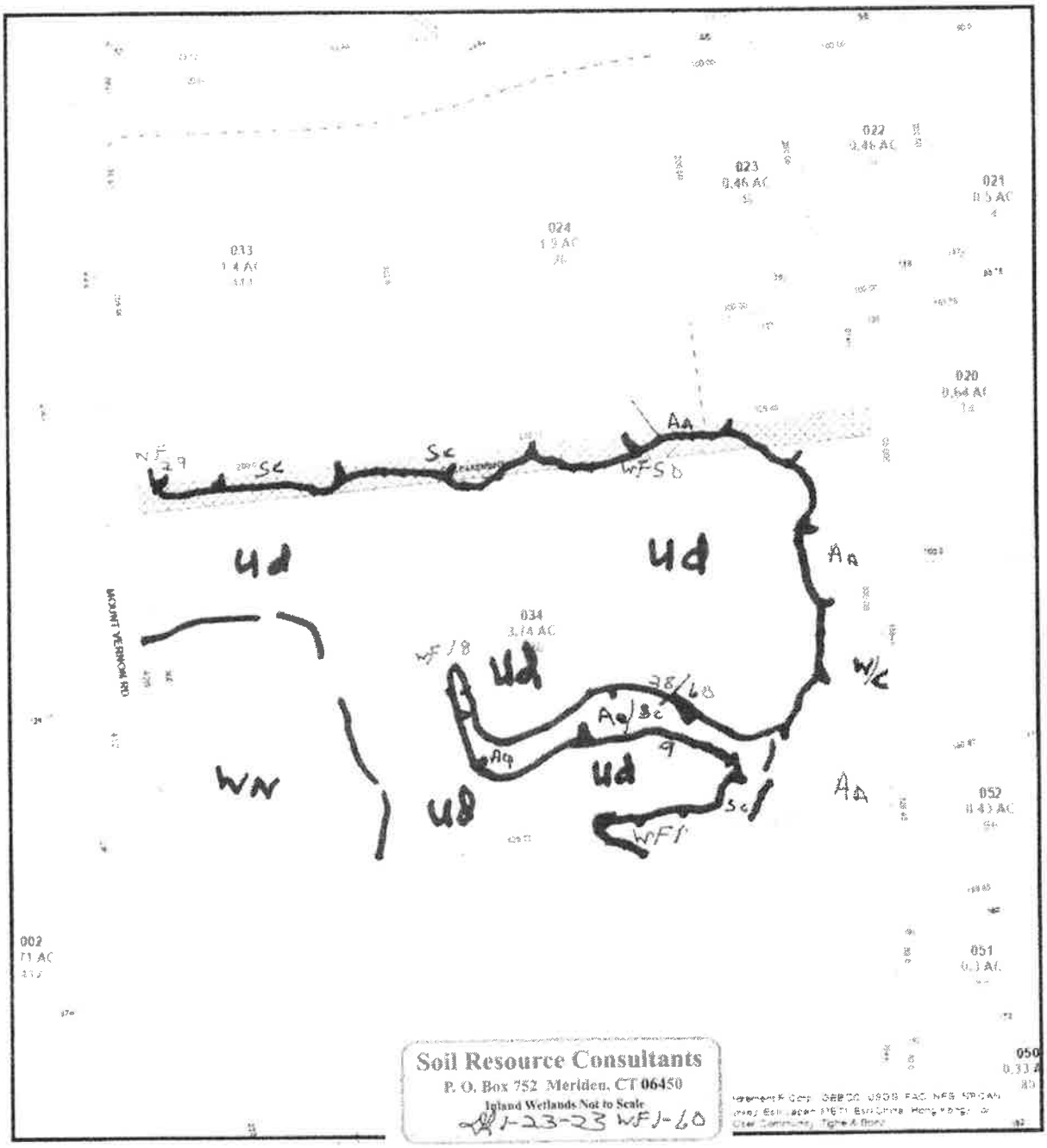
Wn (36)
The **Wn** map unit consists primarily of Windsor soils on 3 to 15 percent slopes. Windsor soils are very deep and excessively drained. They formed in sandy glacial outwash materials. Windsor soils contain stratified sand to a depth of 60 inches or more.

If you have any questions regarding this report, or need additional assistance with this site, please contact me. Environmental planning and wetland impact evaluation services are also available upon request. I am available to attend Inland Wetland Commission meetings and site walks.

Sincerely,

David H. Lord
Certified Soil Scientist
& Environmental Consultant

426 Mount Vernon Road
Southington, CT



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Scale: 1"=100'

Scale is approximate

The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulation interpretation, or parcel-level analyses.

Wetland Delineations Wetland Impact Evaluations Environmental Planning