

Soil Resource Consultants

P.O. Box 752

Meriden, CT 06450

September 24, 2020

SRC Job No. 20-06

RECEIVED

SEP 28 2020

SOUTHINGTON
PLANNING & ZONING DEPT.

Mark Lovley
Lovley Development, Inc.
710 Main Street, Suite 11
Plantsville, CT 06579

Dear Mr. Lovely:

Re: **Wetland Delineation - Sewer Connection for - 45 Pacer Lane Development
- 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 , 2018.

The wetland and watercourse boundaries were marked with blue plastic flagging numbered **WF -1** through **WF-**. 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.

Wa (13)

The **Wa** map unit is composed primarily of Walpole soils on 0 to 3 percent slopes. These soils are very deep and poorly drained. They formed in glacial outwash materials. Typically Walpole soils have fine sandy loam topsoil and subsoil layers overlying a substratum of stratified sand and gravel.

W/C

The **W/C** designation refers to the existence of an intermittent watercourse within the defined wetland boundaries on the subject property. The intermittent watercourse channel is a well defined swale or ditch area that conveys excess surface water runoff from ground water seepage areas and or inland wetland soil areas.

In order for an area to be designated as an intermittent watercourse (natural or manmade) there must be a permanent channel with banks and two of the three following secondary criteria: (1) the presence of standing or flowing water for a period of time not directly related to a storm event; (2) the presence of hydrophytic (wetland) vegetation; (3) evidence of alluvial scouring or deposition.

NON-WETLAND SOILS

The non-wetland soils were not studied or mapped in detail. 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

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 extensively disturbed by grading and filling activities associated with the existing developed\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. Permeability can be variable due to the lack of soil profile structure caused by the grading activities.

Wu (36)

The **Wu** 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.

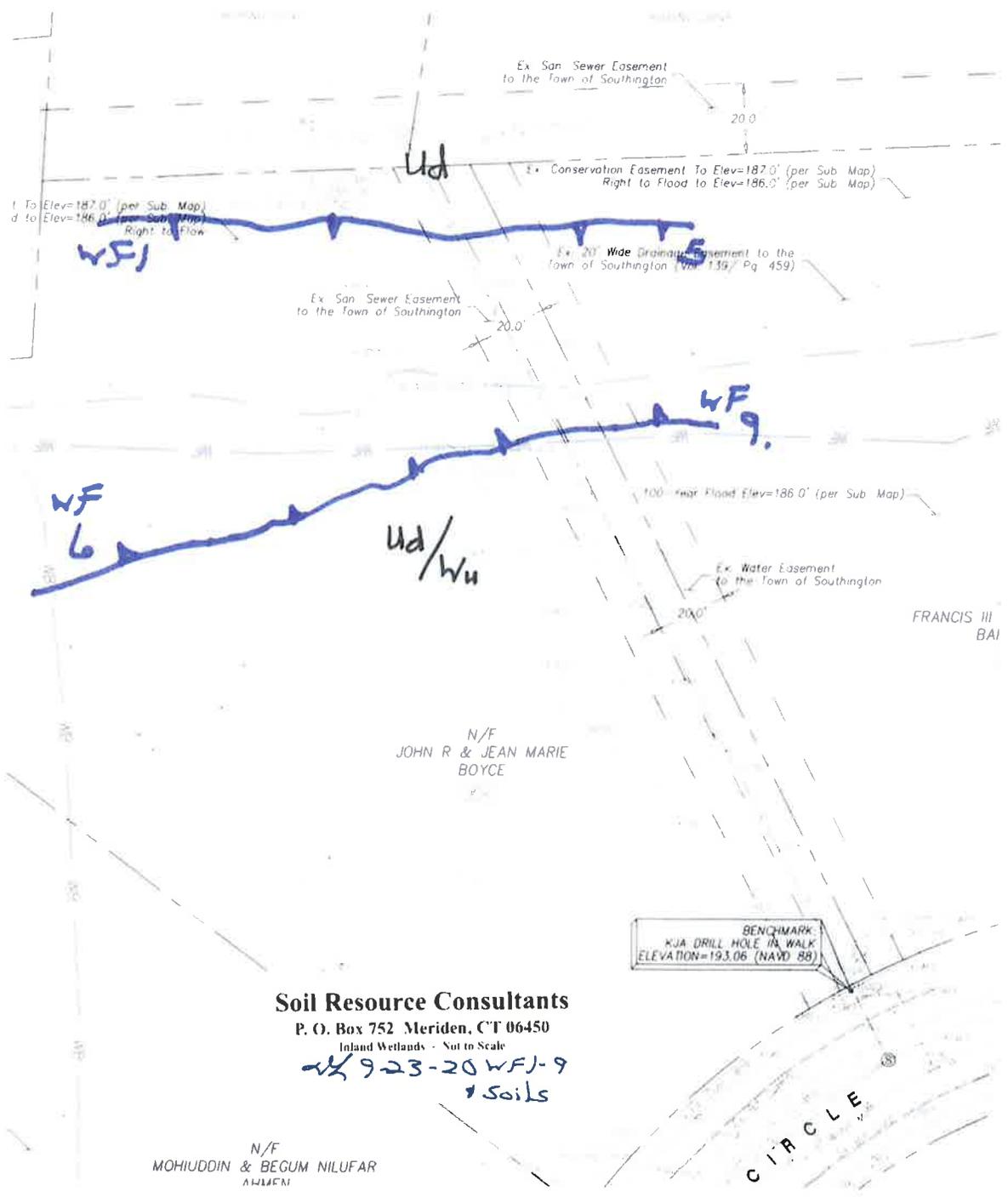
If you have any questions regarding this report, or need additional assistance with this site, please contact me. Environmental planning and wetland impact evaluation services are also available upon request. I am available to attend Inland Wetland Commission meetings and site walks.

Sincerely,



David H. Lord
Certified Soil Scientist
& Environmental Consultant

Proposed Sewer Connection for 45 Pacer Lane Development Southington, CT



Soil Resource Consultants
 P. O. Box 752 Meriden, CT 06450
 Inland Wetlands - Not to Scale
 ☎ 9-23-20 WFJ-9
 † Soils

N/F
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