

SOIL RESOURCE CONSULTANTS

P.O. Box 752

Meriden, CT 06450

July 1, 2015

SRC Job No. 15-31

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

Dear Mr. Bovino:

Re: Soil Investigation for Wetland Determination - 243 Laning Street & Property of Frank Fragola - Laning Street - Southington, CT

At your request, I have completed an onsite investigation of this site. The purpose of my investigation was to identify and delineate any onsite inland wetlands and watercourse boundaries. The field work was completed on June 24, 2015.

The soil investigation was conducted using a spade and or hand auger to identify existing soil conditions on this site. Approximately 15 test holes were dug throughout all areas of this site.

No indications of inland wetland soil conditions or watercourses were found in any of the test hole locations. Existing soils represent the drainage classes - moderately well drained and well drained.

The attached 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.

UPLAND 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 determining the lack of any onsite inland wetland areas. Random soil boring locations in upland areas were marked with pink and black stripped flagging. 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.

Cs (64)

The **Cs** map unit is composed primarily of Cheshire soils on 3 to 15 percent slopes. These soils are very deep and well drained. They formed in loose glacial till derived from red Triassic materials. Typically they have fine sandy loam textures to a depth of 60 inches or more.

Ud (304)

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.

Wk (87-88)

The **Wk** map unit consists primarily of Wethersfield soils on 3 to 15 percent slopes. Wethersfield soils are very deep and well drained. They formed in dense basal till. Typically they have fine sandy loam textures to a depth of 60 inches or more.

Wethersfield soils have a densely compacted layer commonly called hardpan with an upper boundary generally between 30 to 38 inches below the soil surface. The hardpan layer is very slowly permeable. Water that enters this soil moves downward to the hardpan layer and then tends to flow laterally over the hardpan surface.

Drainage

The drainage from the Church parking lot down to the fence along I-84 was investigated and found to not contain an intermittent watercourse. 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.

This drainage flow from the parking lot area was found to not contain any of the above characteristics.

If you have any questions regarding this report, or need additional assistance with this site, please contact me.

Sincerely,



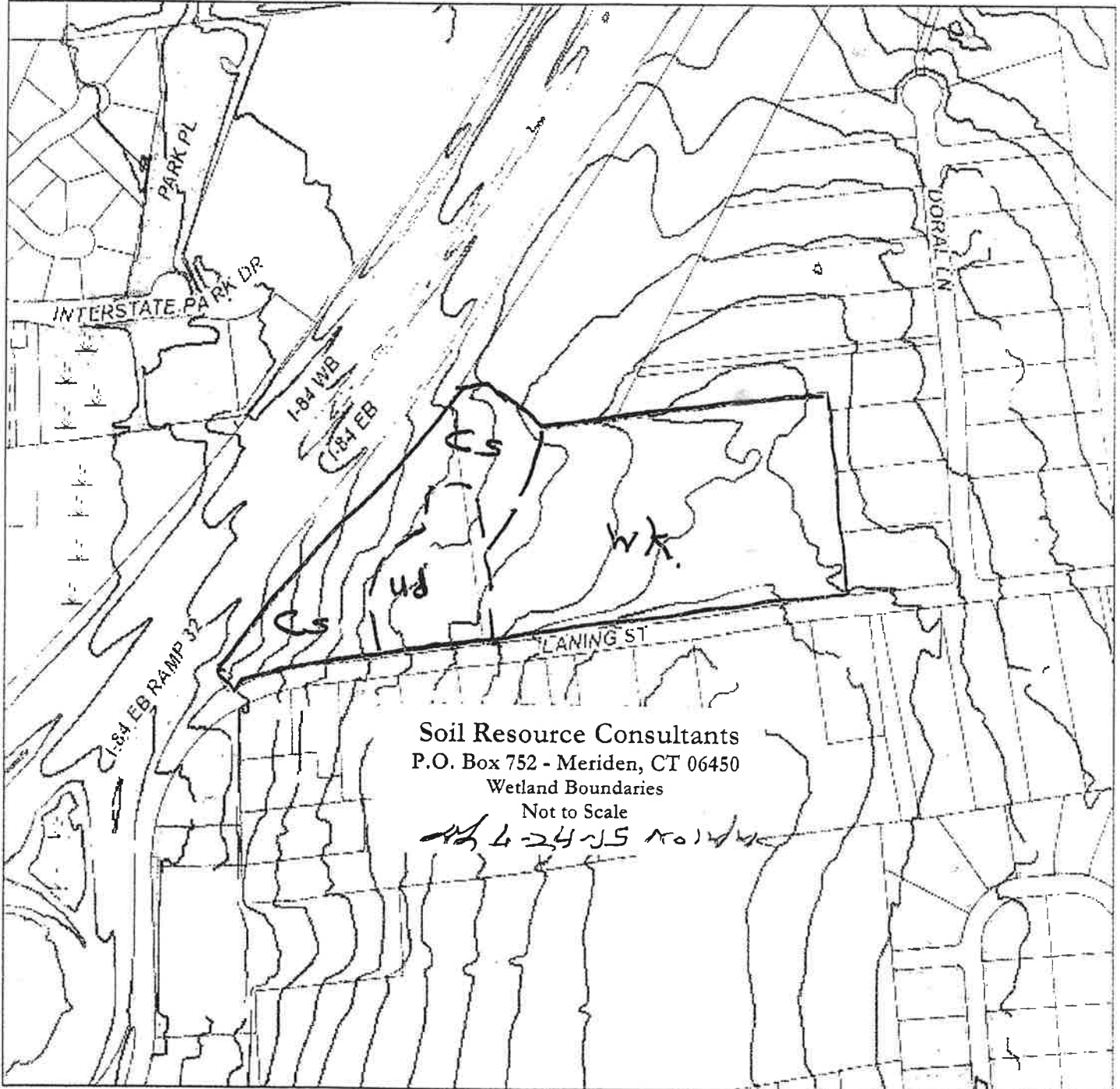
David H. Lord
Certified Soil Scientist
& Environmental Consultant

Town of Southington

Geographic Information System (GIS)



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MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Southington and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 400 feet

