Soil Resource Consultants

P.O. Box 752 Meriden, CT 06450

June 6, 2006

SRC Job No. 06-11

Philip Brudz
111 Cottontail Lane
North Haven, CT 06473

Dear Mr. Brudz:

Re: **Wetland Delineation - 11 Cottontail Lane - North Haven, 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 February 3, 2006.

The wetland and watercourse boundaries were marked with blue plastic flagging numbered **WF-1** to **WF-3**. 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 New Haven 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.

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. Only a small section of this watercourse is on the subject property. The majority of this watercourse system appears to be located on offsite areas to the north.

Wa
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.

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 marked with pink and black stripped plastic ribbons. 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.

De
The **De** map unit consists primarily of Deerfield soils on 0 to 3 percent slopes. Deerfield soils are found on nearly level to strongly sloping glacial terraces, deltas, and outwash plains. Deerfield soils are very deep and moderately well drained. Typically Deerfield soils have a loamy fine sand surface and subsoil layer overlying a substratum of fine sand.

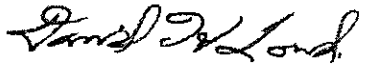
Mg
The **Mg** map unit is composed primarily of Manchester soils on 3 to 15 percent slopes. Manchester soils are very deep and excessively drained. They formed in glacial outwash materials. Typically, Manchester soils have fine sandy loam topsoil and subsoil layers overlying stratified sand and gravel to a depth of 60 inches or more.

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 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. Soil in this map unit have a wide range of characteristics. Textures are predominantly fine sandy loams. Permeability is variable due to the lack of soil profile structure caused by the grading activities.

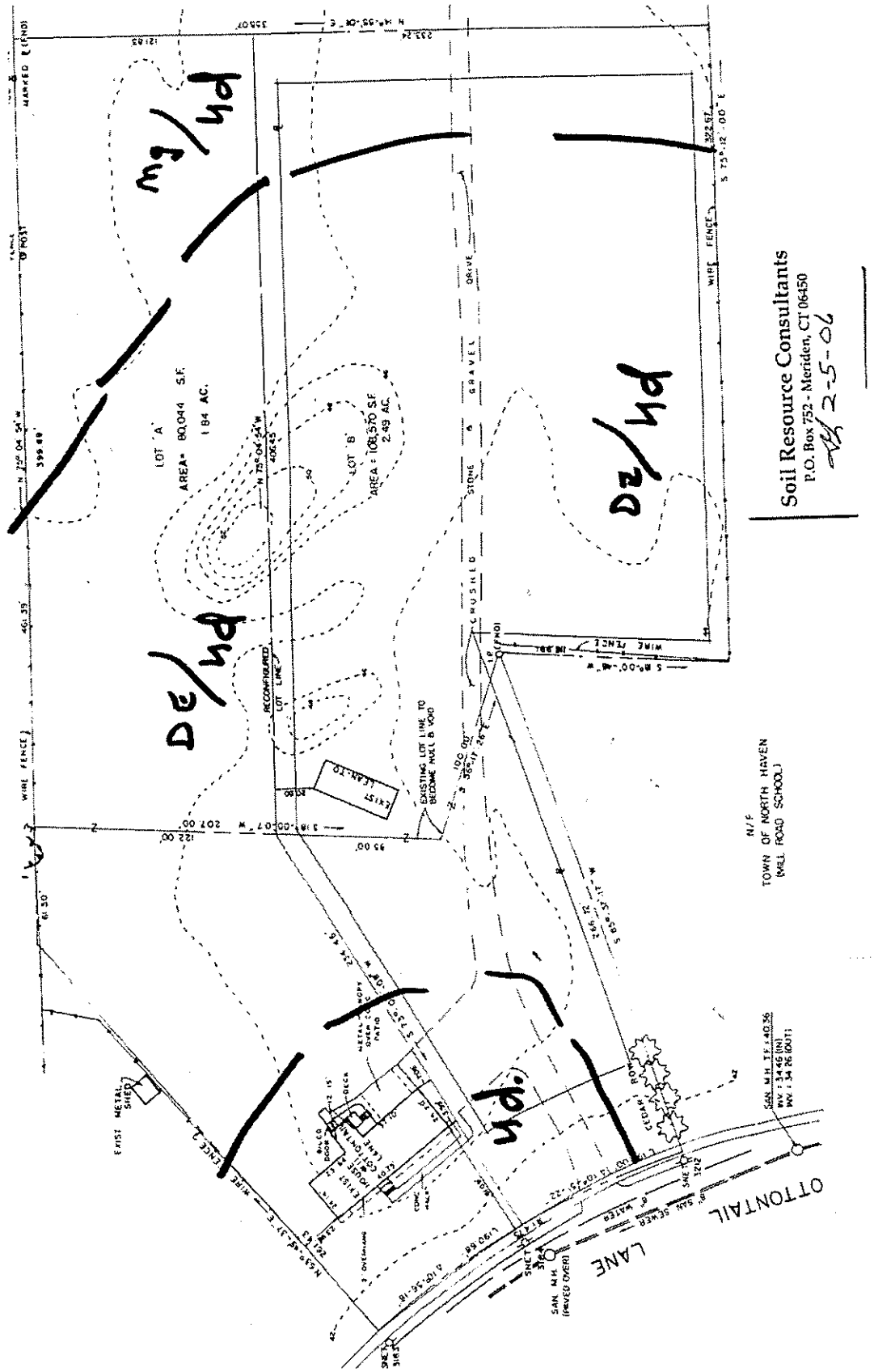
If you have any questions regarding this report, or need additional assistance with this site, please contact me.

Sincerely,



David H. Lord
Certified Soil Scientist
& Environmental Consultant

11 Cottontail Lane
North Haven, CT



Wetland Delineations Wetland Impact Evaluations Environmental Planning