

WETLAND DELINEATION

FOR THE PROPERTY LOCATED AT
7 ROCKRIDGE LANE
STAMFORD, CONNECTICUT



REPORT PREPARED BY
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SITE DESCRIPTION

The property is located on the western side of Rockridge Lane, approximately 215 feet south from the intersection with Northwood Lane in Stamford, CT. This 1.25-acre site supports a single-family residence with a driveway and a septic system. The area slopes towards the east and it is wooded with a small clearing round the residence maintained as a lawn.

METHODS

Wetland identification was performed on May 13, 2024 and based on the presence of poorly drained, very poorly drained, alluvial, and/or floodplain soils and submerged land. The soil types were identified by observation of soil morphology including soil texture, structure, color, etc. Numerous soil samples were taken using an auger. Sampling began within the typical wetland area and continued toward the upland. Soil morphology was observed at soil sampling points along the transect lines perpendicular to the wetland boundary. At each transect, the boundary between the upland and wetland was marked with orange surveyor's tape labeled "WET". Each flag was numbered sequentially from 1-13 along the northern edge of the wetland/watercourse area and 14-25 along the southeastern edge of the wetland/watercourse area.

WETLANDS/WATERCOURSES REGULATORY DEFINITION

The Inland Wetlands and Watercourses Act (Connecticut General Statutes section 22a-38) defines inland wetlands as *land, including submerged land...which consists of any soil types designated as poorly drained, very poorly drained, alluvial, and floodplain.*

Watercourses are defined in the statutes as *rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any portion thereof.*

Intermittent watercourse: is determined by a defined permanent channel and bank and the occurrence of two or more of the following characteristics:

- Evidence of scour or deposits of recent alluvium or detritus,
- Presence of standing or flowing water for a duration longer than a particular storm incident, and
- Presence of hydrophytic vegetation.

WETLAND/WATERCOURSE DESCRIPTION

The areas marked in the field consists of a wetland/watercourse system. A red maple swamp is situated on atop of a hill within a shallow depression. This system is being sustained by a perched groundwater aquifer. A perennial stream crosses the wetland collecting the overflow. The area is maintained in its natural state with a dense cover of boulders and skunk cabbage at the bottom of the swamp.

WETLAND SOILS

The soils were classified using soil criteria and maps developed by USDA Natural Resource Conservation Service.

4 - Leicester fine sandy loam

The Leicester series consists of very deep, poorly drained soils formed in coarse-loamy till. They are nearly level or gently sloping soils in drainageways and low-lying positions on hills.

The surface layer is a black fine sandy loam. The subsoil is brown, mottled fine sandy loam and gravelly fine sandy loam. The substratum is olive brown, mottled gravelly fine sandy loam.

UPLAND SOILS

73E—Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky

Charlton: soil is found over the hills and ridges. The parent material consist of coarse-loamy melt-out till derived from granite and/or schist and/or gneiss. The depth to restrictive layer is more than 80 inches. This is a well-drained soil series with ground water table at 80 inches.

Typical profile

- 0 to 4 inches: fine sandy loam
- 4 to 7 inches: fine sandy loam
- 7 to 19 inches: fine sandy loam
- 19 to 27 inches: gravelly fine sandy loam
- 27 to 65 inches: gravelly fine sandy loam

Chatfield: soil is well drained with ground water table expected below 80 inches. The surface area tend to be covered with cobbles, stones or boulders. The depth to the lithic bedrock hovers from 20 to 40 inches.

Typical profile

- 0 to 1 inches: highly decomposed plant material
- 1 to 6 inches: gravelly fine sandy loam

- 6 to 15 inches: gravelly fine sandy loam
- 15 to 29 inches: gravelly fine sandy loam
- 29 to 80 inches: unweathered bedrock

Certified by:

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