SOIL DRAINAGE CLASS
REDDING, CONNECTICUT

LEGEND

- Excessively drained - Water is removed very rapidly. The occurrence of annual wetness commonly is very rare or very short. The soils are commonly coarse-textured, very shallow, or very deep and have very limited plant growing capacity. The soils are generally coarse-grained and very shallow with a hardpan or other impeding layer.

- Severe excessively drained - Water is removed from the soil readily but the drainage is excessively deep during the growing season. The occurrence of annual wetness commonly is very rare or very short. The soils are generally coarse-grained and very shallow with a hardpan or other impeding layer.

- Somewhat excessively drained - Water is removed from the soil readily but the drainage is deep during the growing season. The occurrence of annual wetness commonly is very rare or very short. The soils are generally coarse-grained and very shallow with a hardpan or other impeding layer.

- Drained - Water is removed from the soil readily but the drainage is deep during the growing season. The occurrence of annual wetness commonly is very rare or very short. The soils are generally coarse-grained and very shallow with a hardpan or other impeding layer.

- Moderately drained - Water is removed from the soil readily but the drainage is moderately deep during the growing season. The occurrence of annual wetness commonly is very rare or very short. The soils are generally coarse-grained and very shallow with a hardpan or other impeding layer.

- Somewhat poorly drained - Water is removed slowly in the lower parts of the soil profile but is rapidly removed in the upper parts of the soil profile during the growing season. The occurrence of annual wetness is very rare or very short. The soils have permeable layers in the upper parts of the soil profile that allow rapid drainage.

- Poorly drained - Water is removed slowly in the lower parts of the soil profile and very slowly in the upper parts of the soil profile during the growing season. The occurrence of annual wetness is very rare or very short. The soils have impermeable layers in the upper parts of the soil profile that allow very slow drainage.

- Very poorly drained - Water is removed very slowly in the lower parts of the soil profile and very slowly in the upper parts of the soil profile during the growing season. The occurrence of annual wetness is very rare or very short. The soils have very impermeable layers in the upper parts of the soil profile that prevent drainage.

- Very poorly drained - Water is removed very slowly in all parts of the soil profile throughout the year. The occurrence of annual wetness is very rare or very deep. The soils are commonly coarse-grained and very shallow with a hardpan or other impeding layer.

EXPLANATION

Soil Drainage Class refers to the degree and rate at which water is removed from the soil profile. The map shows the distribution of soil drainage classes across the study area. Soil drainage classes are categorized based on the rate of water removal from the soil profile, with the least drainage occurring in the very poorly drained class and the most drainage occurring in the excessively drained class.

DATA SOURCES

- Soil property data
- Topographic data
- Hydrologic data

The map was created using soil property data and topographic data to show the distribution of soil drainage classes across the study area. The map is intended to provide a visual representation of soil drainage conditions for planning and management purposes. The map was created using GIS software and is intended to be used for decision-making in land use planning and management.