SOIL DRAINAGE CLASS
WINDSOR LOCKS, CONNECTICUT

LEGEND

- **Essentially drained**: Water is removed very rapidly. The occurrence of internal free water commonly is very rare or very slow. The soils are essentially unsaturated, moderately permeable, and of high or very high potential rate of water movement. The soils are well drained, but may be excessively drained in local situations where drainage is very deep or very shallow. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table in the unsaturated zone is usually not wet and the occurrence of free water, if any, is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

- **Somewhat excessively drained**: Water is removed from the soil rapidly but may be temporarily ponded or standing water may be present in localized areas. The soils are moderately well drained, but may be excessively drained in local situations where drainage is very deep or very shallow. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table in the unsaturated zone is usually not wet and the occurrence of free water, if any, is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

- **Excessively drained**: Water is removed from the soil very rapidly. The occurrence of internal free water is very shallow and persistent or non-existent. The soils are continuously wet and permanently saturated. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table is usually wet and the occurrence of free water is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

- **Very poorly drained**: Water is removed from the soil very slowly. The occurrence of internal free water is very shallow and persistent or non-existent. The soils are continuously wet and permanently saturated. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table is usually wet and the occurrence of free water is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

- **Poorly drained**: Water is removed from the soil slowly. The occurrence of internal free water is very shallow and persistent or non-existent. The soils are continuously wet and permanently saturated. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table is usually wet and the occurrence of free water is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

- **Moderately well drained**: Water is removed from the soil at a moderate rate. The occurrence of internal free water is very shallow and persistent or non-existent. The soils are usually well drained, but may be excessively drained in local situations where drainage is very deep or very shallow. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table in the unsaturated zone is usually not wet and the occurrence of free water, if any, is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

- **Somewhat well drained**: Water is removed from the soil at a well drained rate. The occurrence of internal free water is very shallow and persistent or non-existent. The soils are usually well drained, but may be excessively drained in local situations where drainage is very deep or very shallow. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table in the unsaturated zone is usually not wet and the occurrence of free water, if any, is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

- **Well drained**: Water is removed from the soil quickly and permanently. The occurrence of internal free water is very shallow and persistent or non-existent. The soils are usually well drained, but may be excessively drained in local situations where drainage is very deep or very shallow. Water is not available for plant growth during the growing season and there is no well defined soil profile. The water table in the unsaturated zone is usually not wet and the occurrence of free water, if any, is typically very shallow and persistent or non-existent. The soils are typically free of significant growth classes. Most growing seasons are normal or warm and droughts may be common.

EXPLANATION

These maps depict the distribution of various soil quality classes and features across the landscape. The maps are based on a combination of data collected from various sources, including soil surveys, aerial photography, and field observations. The data is integrated using geographic information system (GIS) technology to create accurate and detailed representations of the soil conditions at various scales.

DATA SOURCES

The maps are produced using data from the United States Department of Agriculture (USDA) National Resources Conservation Service (NRCS). The data includes information on soil types, soil properties, and land use practices. Additional data is provided by the Connecticut Department of Environmental Protection (CTDEP) and other local and state agencies.

The maps are made available for the purpose of educational and research use. Users are encouraged to consult with local experts and other resources for more detailed information. The maps are subject to change as new information becomes available and should be used in conjunction with other relevant data sources.