

CLA Engineers, Inc.

Civil • Structural • Survey

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August 8, 2023

Jonathan Blake, CZEO
Planner / Zoning Enforcement Officer
Town of Killingly
172 Main Street
Killingly, CT 06239

RE: 25 Colonial Dr.
Killingly
CLA-7283

Dear Mr. Blake:

CLA Engineers has investigated the subject site for inland wetlands and watercourses as regulated under CGS Section 22a and the Town of Killingly Inland Wetlands and Watercourses regulations. These investigations were conducted in September of 2022 by Robert Russo, Certified Soil Scientist, and found that no inland wetland or watercourses are present on the site. The investigations were conducted using a Dutch auger and a tile spade.

Special attention was paid to the previously excavated water quality basin on the north end of the site. Excavation of shovel test pits revealed that the bottom of this basin is in permeable sand and gravel and is not inland wetland. This finding is consistent with the soils shown on the attached NRCS map, which depicts the Hinckley soil series, a soil formed in sand and gravel having a deep water table.

Sincerely,

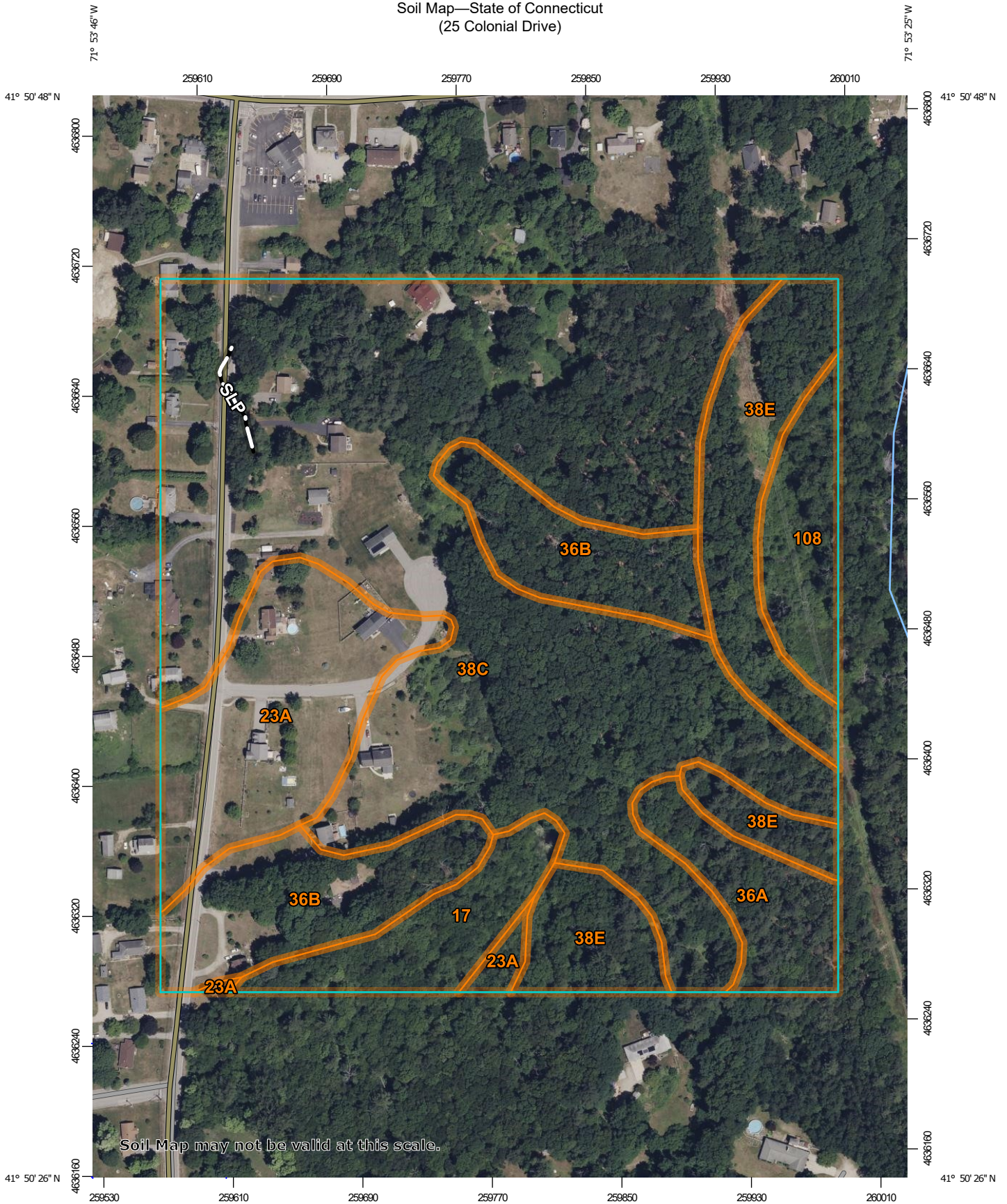
Robert C Russo

Robert C Russo CSS

Appendix A

Soils Data

Soil Map—State of Connecticut
(25 Colonial Drive)



Map Scale: 1:3,240 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge ticks: UTM Zone 19N WGS84




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey


8/8/2023
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut

Survey Area Data: Version 22, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 14, 2022—Jul 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
17	Timakwa and Natchaug soils, 0 to 2 percent slopes	2.0	4.4%
23A	Sudbury sandy loam, 0 to 5 percent slopes	4.9	10.9%
36A	Windsor loamy sand, 0 to 3 percent slopes	1.9	4.2%
36B	Windsor loamy sand, 3 to 8 percent slopes	5.2	11.4%
38C	Hinckley loamy sand, 3 to 15 percent slopes	24.2	53.1%
38E	Hinckley loamy sand, 15 to 45 percent slopes	5.4	11.9%
108	Saco silt loam	1.9	4.1%
Totals for Area of Interest		45.6	100.0%