

CLA Engineers, Inc.

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January 16, 2019

Mr. Jeremey DeCarli
Planner
Inland Wetlands Agent
Town of East Hampton
20 East High Street
East Hampton, CT 06424

Re: WPCA backup generator sites
North Main St
East Hampton CT
CLA -6109

Dear Mr. DeCarli:

At the request of The East Hampton WPCA, CLA has investigated the referenced site for inland wetlands and watercourses. CLA performed the delineation in December of 2018. The plans prepared by CLA and submitted to the Town of East Hampton show the wetlands in relation to the proposed new generators and meters. All of the delineated resources are wetlands/watercourses that have been previously altered and impacted for development of the sewer line. This report documents the wetland types found and the potential for impacts. This letter also serves as the soil scientist's report and documents the soils found on the site and their characteristics.

Project Purpose and Need

The subject properties is zoned as residential. The property contains existing sewer lines. The applicant seeks to install backup generators and meters at this location without adverse impacts to wetlands and watercourses through use of Best Management Practices (BMPS).

Existing Conditions

The configuration of the site investigated is shown on the plans provided by CLA Engineers as part of the application to the IWWC. The site was previously developed and has an access drive and soils previously altered for sewer installation. The site locus is shown on the project plans and labeled "North Main St Pump Station" after the local road.

The North Main St site activities will fall within the upland review zone, but outside of the wetland. The location of the proposed improvements surrounds the existing sewer line infrastructure and is within a portion of the easement maintained as grass lawn.

Surface water runoff from the site flows into Lake Pocotopaug after passing under North Main St.

Wetlands were delineated with sequentially numbered pink flags, which were field located CLA Engineers. Wetland flag numbers and locations are shown on the plans

Surrounding land use at the site is residential and commercial.

Soils

The NRCS soil series classifications for the sites and surrounding areas are shown in Appendix A. The upland on and around the site have soils that have been thoroughly reworked and are typically classified as Udorthents by the Natural Resources Conservation Series (NRCS). On-site soil testing was consistent with the filled and graded soils.

The local wetlands soils are Timakwa and Natchaug series stony sandy loam. This is consistent with the undisturbed soils found in proximity of the North Main St. site.

Wetland Conditions

Based on field observations and map resources, the on-site wetlands were disturbed by past grading, apparently for construction of the sewer line. These wetlands perform a limited subset of functions that are typically attributed to Connecticut's wetlands. Observations relevant to functions and values of the wetlands include:

1. The wetlands are within an area of residential and commercial development.
2. No significant erosion was noted in or around the wetlands.
3. The wetlands and watercourse received storm water runoff from nearby development.
4. The wetlands lack typical wetland vegetation.
5. There is no undeveloped buffer around the wetland.
6. The December 2018 CTDEEP Natural Diversity Database (NDDB) shows known presences of threatened, endangered or species of special concern.

Based on these observations, the on-site wetlands appear to provide limited functions including local wildlife habitat, fish habitat, flood attenuation and buffering the lake. The NDDB data shown known presence of protected species, however based on the limited scale of work and the disturbed nature of the site, CLA believes that there is minimal chance of impacts.

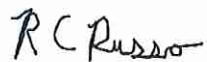
Potential for Impacts

The proposed project involves work within previously developed and/or altered land. Given the disturbed nature of the sites, there is little concern for loss of wetland function. The main concerns for potential impacts are sediments flowing offsite and into the lake during construction.

Appropriate E&S to protect offsite resources during construction are shown on the plans. If these are adhered to, CLA believes the potential for impacts lower in the watershed will be minimized.

Please contact me if you have any questions.

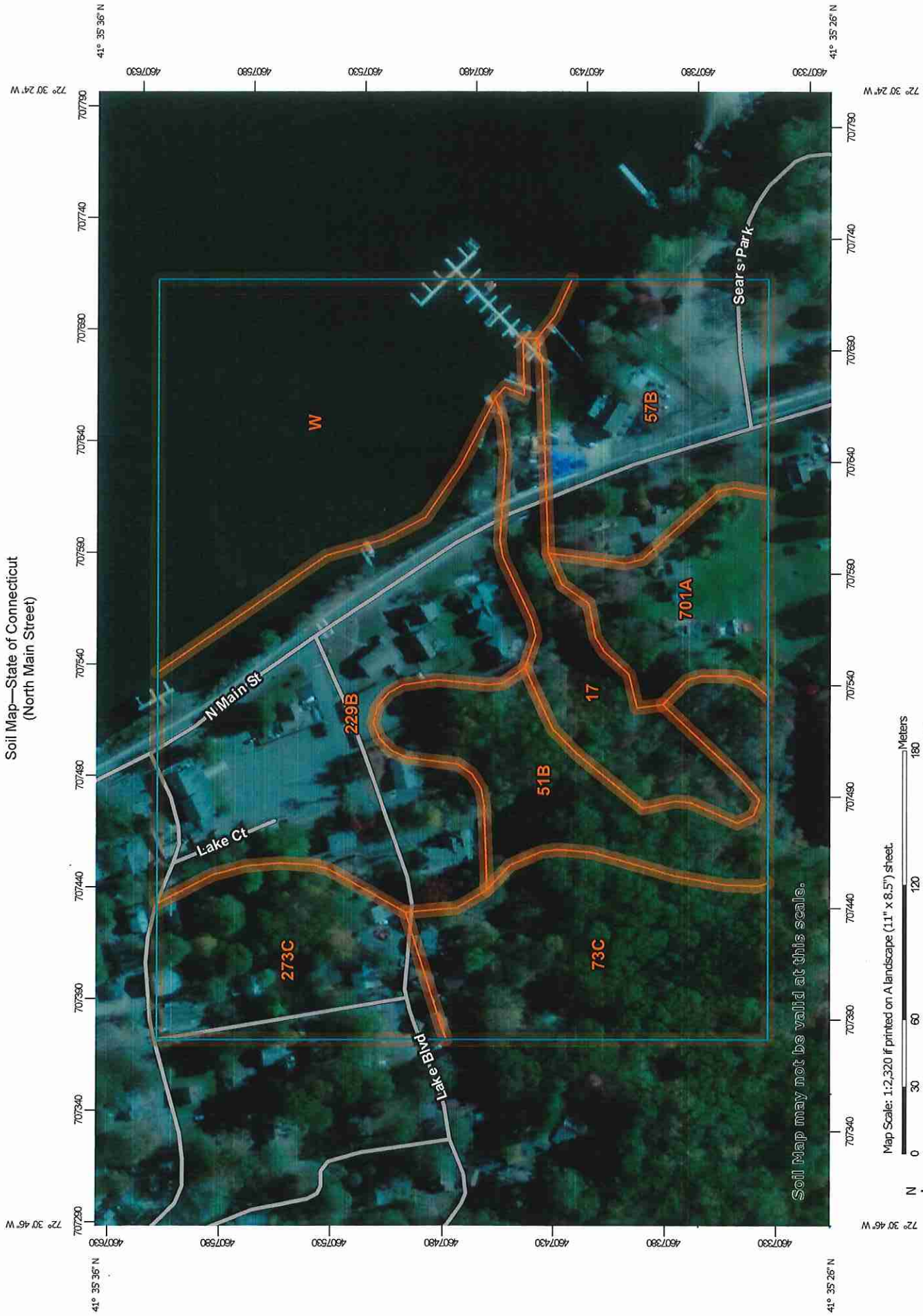
Sincerely,

Handwritten signature of Robert C. Russo in cursive script.

Robert C. Russo, C.S.S.

Appendix A: Soils Data

Soil Map—State of Connecticut
(North Main Street)



Soil Map may not be valid at this scale.

Map Scale: 1:2,320 if printed on A landscape (11" x 8.5") sheet.






















Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

MAP LEGEND

-  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 18, Dec 6, 2018

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

Date(s) aerial images were photographed: Aug 27, 2016—Oct 30, 2017

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	1.6	7.0%
51B	Sutton fine sandy loam, 0 to 8 percent slopes, very stony	2.2	9.6%
57B	Gloucester gravelly sandy loam, 3 to 8 percent slopes	2.8	12.0%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	2.8	12.2%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	5.2	22.4%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	2.1	9.1%
701A	Ninigret fine sandy loam, 0 to 3 percent slopes	1.4	6.2%
W	Water	5.0	21.5%
Totals for Area of Interest		23.2	100.0%