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## ***Ian Cole, LLC***

***Professional Registered Soil Scientist / Professional Wetland Scientist***

***PO BOX 619***

***Middletown, CT 06457***

***[Itcole@gmail.com](mailto:Itcole@gmail.com)***

***860-514-5642***

December 30, 2021

Design Professionals, Inc.  
Mrs. Suzanne P. Choate, P.E.  
Director / Senior Project Manager  
P.O. Box 1167  
21 Jeffery Drive  
South Windsor, CT 06074

**RE: *Wetland Delineation, Hartford Truck Equipment -45 John Fitch Boulevard & 542 King Street, GIS IDs 477000-45 & 50400542, South Windsor, Connecticut.***

Dear Mrs. Choate:

At Design Professional's request, I completed a field survey of the above reference parcels in search of jurisdictional inland wetlands and watercourses.

### **Delineation Methodology**

A wetland survey was completed in accordance with the standards of the Natural Resources Conservation Services (NRCS) National Cooperative Soil Survey and the definitions of inland wetlands and watercourses as found in the Connecticut General Statutes, Chapter 440, Sections 22a-36 through 22a-45 as amended. Wetlands, as defined by the Statute are those soil types designated as poorly drained, very poorly drained, floodplain or alluvial in accordance with the NRCS National Cooperative Soil Survey. Such areas may also include disturbed areas that have been filled, graded, or excavated and which possess an aquic (saturated) soil moisture regime.

Watercourses means 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 Town of South Windsor or any portion thereof not regulated pursuant to sections 22a-28 through 22a-35, inclusive, of the Connecticut General Statutes. Intermittent watercourses are defined permanent channel and bank and the occurrence of two or more of the following characteristics: (a) evidence of scour or deposits of recent alluvium or detritus, (b) the

presence of standing or flowing water for duration longer than a particular storm incident, and (c) the presence of hydrophytic vegetation.

**Findings**

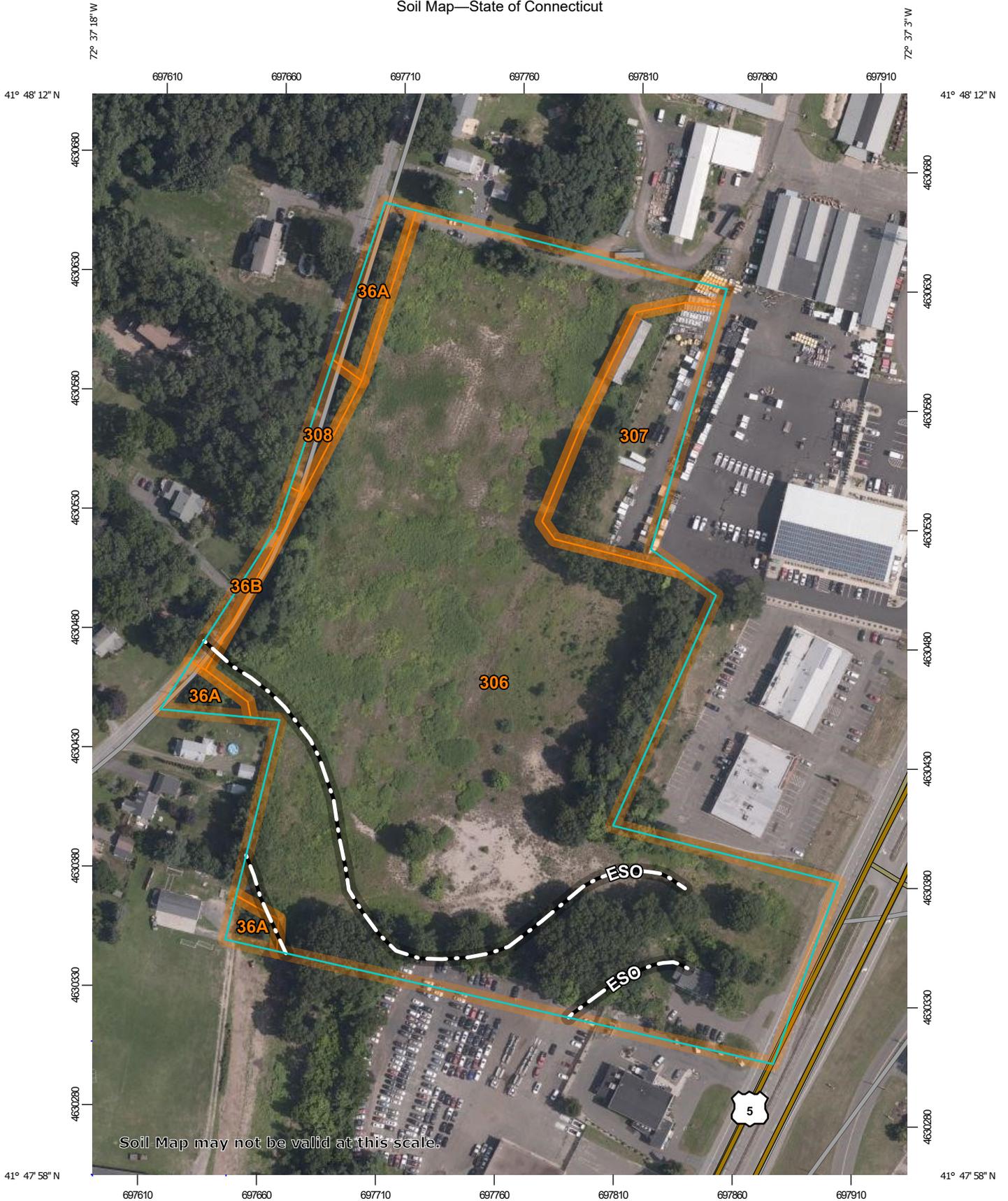
The wetland survey was completed on December 27, 2021, to examine the upper 20" of the soil profile for the presence of hydric soil conditions and if present to delineate any wetland and/or watercourse boundaries located within the survey area. The field survey was completed during blue sky conditions when the ground was clear of snow and free of frost. After examining the existing soils, hydrology, and vegetation it is my professional opinion that there are **no inland wetlands or watercourses** on the subject parcels.

**Soil Survey**

The soils identified on-site are a refinement of the Natural Resources Conservation Service (NRCS) Websoil Soil Survey. The parcels have long been disturbed throughout. The soils are classified as belonging to the Udorthents which contains miscellaneous soil types that are present on the landscape in a complex pattern that is not practical or necessary to sperate. These soils are used to denote moderately well to well drained earthen material which has been so disturbed by cutting, filling, or grading, that the original soil profile can no longer be decerned and are co-associated with buildings, roads, parking lots and landscaping of developed areas.

No areas of soil types designated as poorly drained, very poorly drained, alluvial or those having an aquic moisture regime were observed on the property or immediately adjacent thereof.

Soil Map—State of Connecticut



## 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 21, Sep 7, 2021

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

Date(s) aerial images were photographed: Jul 15, 2019—Aug 29, 2019

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
36A	Windsor loamy sand, 0 to 3 percent slopes	0.5	3.1%
36B	Windsor loamy sand, 3 to 8 percent slopes	0.1	0.7%
306	Udorthents-Urban land complex	12.7	87.6%
307	Urban land	1.1	7.6%
308	Udorthents, smoothed	0.1	1.0%
<b>Totals for Area of Interest</b>		<b>14.5</b>	<b>100.0%</b>

If you have any questions or comments, please do not hesitate to contact me at [itcole@gmail.com](mailto:itcole@gmail.com) or (860) 514-5642

Sincerely,

A handwritten signature in blue ink, appearing to read "Ian T. Cole".

Ian T. Cole  
Professional Registered Soil Scientist  
Professional Wetland Scientist #2006

# **APPENDIX A**

# **SITE PHOTOS**

December 27, 2021



Photo 1: Existing field – Vegetated with various upland grasses, herbs and forbs. View standing at northern property line looking south.



Photo 2: Existing Wood Chip Berm Behind Outside Storage Area



Photo 3: Existing Access off King Street