MILONE & MACBROOM — Now part of SLR

October 28, 2020

Ms. Ilona Somogyi
Ball & Socket Arts, Inc.
493 West Main Street
Cheshire, CT 06410

RE: Wetland Delineation Verification
Ball & Socket Arts Property
493 West Main Street
Cheshire, Connecticut
MMI #141.15233.00001.0080

Dear Ms. Somogyi:

On October 26, 2020, Matthew Sanford, Professional Wetland Scientist (PWS) and Registered Soil Scientist with Milone & MacBroom, Inc. (MMI), and Aidan Barry MS, Professional in Training, verified a wetland delineation that was performed by William A. Root, a registered soil scientist with MMI in May 2014 at 493 West Main Street in Cheshire, Connecticut (Figure 1). Per Mr. Root's report (please see appendix) and based on our recent site observations, the palustrine forested wetland watercourse as delineated in 2014 is still present along the western side of the property. Moreover, we found no other areas of wetlands and/or watercourses on the property. In conclusion, the delineation completed by MMI in May 2014 is still accurate, and our recent verification confirmed that no changes to the 2014 wetland boundary are required.

If you have any questions regarding this wetland delineation verification letter, please do not hesitate to call me (203) 271-1773 or email at msanford@mminc.com.

Very truly yours,

MILONE & MACBROOM, INC.

Matthew J. Sanford, MS, PWS, Registered Soil Scientist
Manager of Natural Resources Planning

Enclosure: Inland Wetland Delineation Report (Figure 1)

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INLAND WETLANDS DELINEATION REPORT

Ball & Socket Arts – Phase I
493 West Main Street
Cheshire, Connecticut

May 2014

MMI #5233-01

1.0 Introduction

In May 2014, the boundaries of inland wetlands and watercourses on the site were delineated by William A. Root, MS, certified professional soil scientist, in accordance with the regulations of the Town of Cheshire, Connecticut and the State of Connecticut *Inland Wetlands and Watercourses Act*, CGS 22a-36 through 45. Regulated wetland areas consist of any of the soil types designated by the National Cooperative Soils Survey as poorly drained, very poorly drained, alluvial, or floodplain. Regulated watercourses consist of rivers; streams; brooks; waterways; lakes; ponds; marshes; swamps; bogs; and all other bodies of water, natural or artificial, vernal or intermittent, public or private, not regulated pursuant to CGS sections 22a-28 to 22a-35, inclusive (tidal wetlands).

2.0 Methodology

In general, transects were walked over the site looking for evidence of redoximorphic features in the soil (hydric soils), a predominance of wetland-adapted plants (hydrophytic vegetation), and evidence of high ground water persisting into the growing season (wetland hydrology). Areas of flowing or standing water and incised channels were inspected for evidence of ordinary high water marks, a diagnostic feature of watercourses (perennial or intermittent).

Prior to the fieldwork, geospatial data was accessed via the Web Soil Survey to determine current United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS) soil survey mapping for the project site (http://websoilsurvey.nrcs.usda.gov).

A copy of the web soil survey mapping is appended to this report. The USDA-NRCS maps the following soil units in the project area:

- Cheshire fine sandy loam (#63), a well-drained loamy soil
- Udorthents-Urban Land complex (#306), well-drained, disturbed soils (often paved)

3.0 Upland Soils

Historically, the upland soils in this area were loamy, glacial till soils, such as the mapped *Cheshire* series (#63). However, the site has been extensively altered (cut/filled) to the extent that most of the site is mapped as *Udorthents-Urban Land* complex (#306, disturbed, upland soils). The upland soils were inspected during the site evaluation but were not fully delineated in the field.

3.1 The *Cheshire* series consists of very deep, well-drained loamy soils formed in supraglacial till on uplands. They are nearly level to very steep soils on till plains and hills. Slope ranges from zero to 60 percent. Permeability is moderate or moderately rapid.

TAXONOMIC CLASS: Coarse loamy, mixed, semiactive, mesic Typic Dystrudepts

DRAINAGE AND PERMEABILITY: Well drained. Surface runoff is medium to rapid. Permeability is moderate or moderately rapid throughout.

USE AND VEGETATION: Many areas are cleared and used for cultivated crops, hay, or pasture. Some areas are used for vegetables, nursery stock, and other specialty crops. Scattered areas are used for community development. Stony areas are mostly wooded. Common trees are red, white, and black oak; hickory; ash; sugar and red maple; gray birch; white pine; and hemlock.

3.2 The *Udorthents-Urban Land* complex mapping unit is used to indicate soils that have been so altered through cutting/filling/development that the underlying character of the soil is no longer distinguishable. This mapping unit is used only for well-drained soils, not hydric soils (*Aquents*).

4.0 Wetland Soils

There are no wetland soils mapped on the site by the USDA-NRCS published soil survey. This does not mean that no wetlands or watercourses occur on the site, but they are generally too small to be included at the scale of the published map. Often, minor wetlands or intermittent watercourses are found in areas not indicated by the published soil survey.

5.0 Field Survey

A small watercourse, associated with the abandoned Farmington Canal line, forms the western boundary of this developed site. It flows southward to Willow Brook and has been channelized throughout this site. It is bounded by riprap on the western bank and a cement retaining wall on the eastern bank. The wetland boundary is the ordinary high water mark of the watercourse, which is the top of the wall beginning at the road culvert on West Main Street. There are no wetland soils associated with the watercourse.

The wetland boundaries were marked with sequentially numbered, colored flagging affixed to sturdy vegetation to facilitate survey work. A handheld Trimble GPS device was used to locate the wetland flags for transfer onto the site plan. The flagging sequence begins at the West Main Street culvert. Only the eastern bank was delineated. Flags W1 through W13 were placed.

6.0 Vegetation Cover Types

There are no flagged wetlands on the site, but the watercourse is classified as a *palustrine forested wetland* according to the system used by the U. S. Fish and Wildlife Service, as

described in *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin, et al., 1979). Dominant species are red and Norway maple, American elm, cottonwood, black locust, and sumac, as well as silky dogwood and multiflora rose. Representative photos are attached to this report.

7.0 Natural Diversity Data Base

There are no reported occurrences of state or federal listed species on or near the site as shown on the attached Connecticut Department of Energy & Environmental Protection (CT DEEP) ECO-Resource Map (December 2013).

If there are any questions regarding this report or the wetlands at the site, feel free to contact me.

Very truly yours,

MILONE & MACBROOM, INC.

William A. Root, MS
Senior Project Specialist, Environmental

Attachments: CT DEEP Eco-Resource Maps
Photo Log
USDA-NRCS Soil Survey Map

5233-01-m2014-rpt

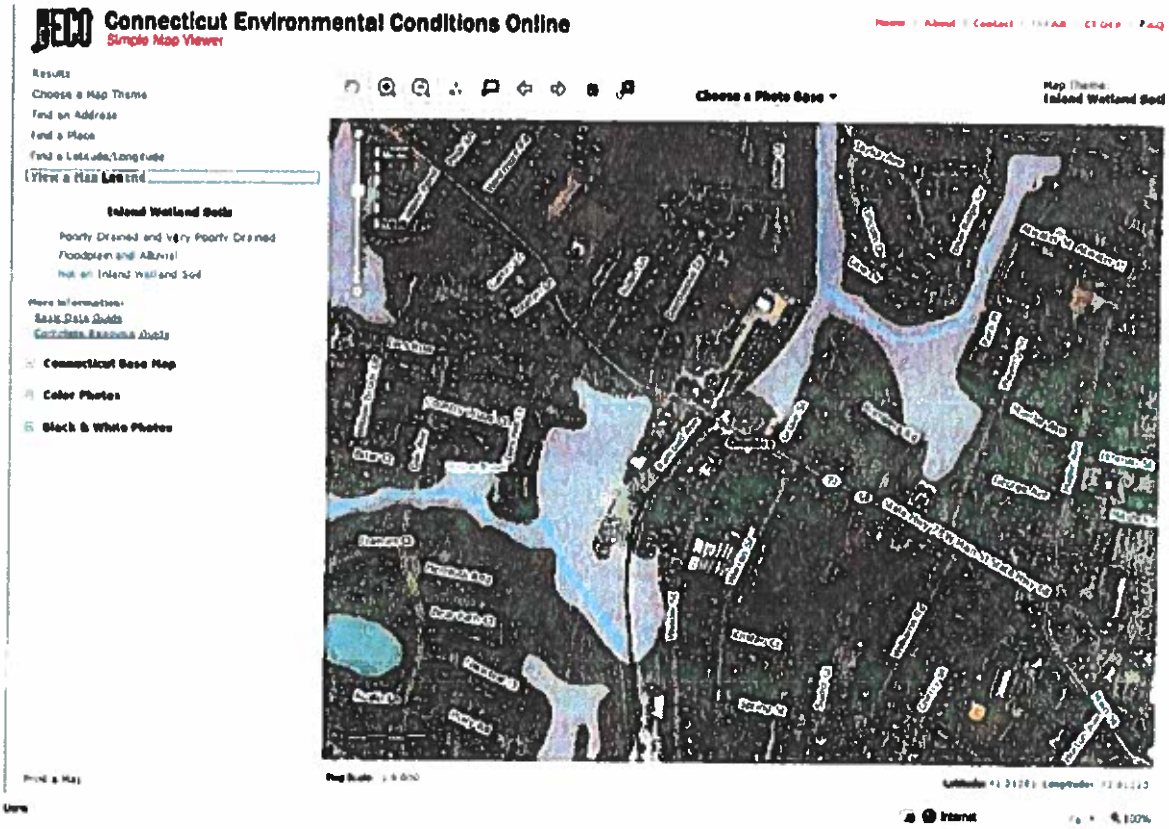
CT DEEP ECO-RESOURCE MAPS

Ball & Socket Arts – Phase I
493 West Main Street
Cheshire, Connecticut

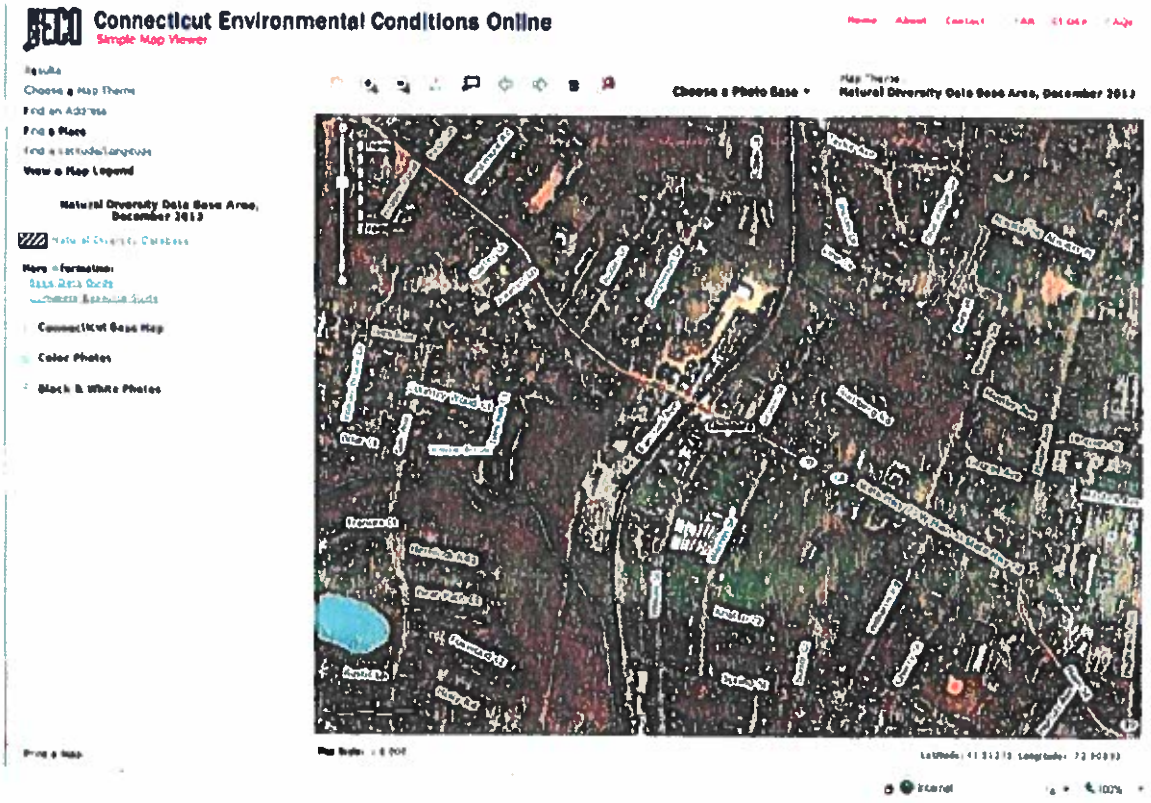
May 2014

MMI #5233-01

Map: December 2013



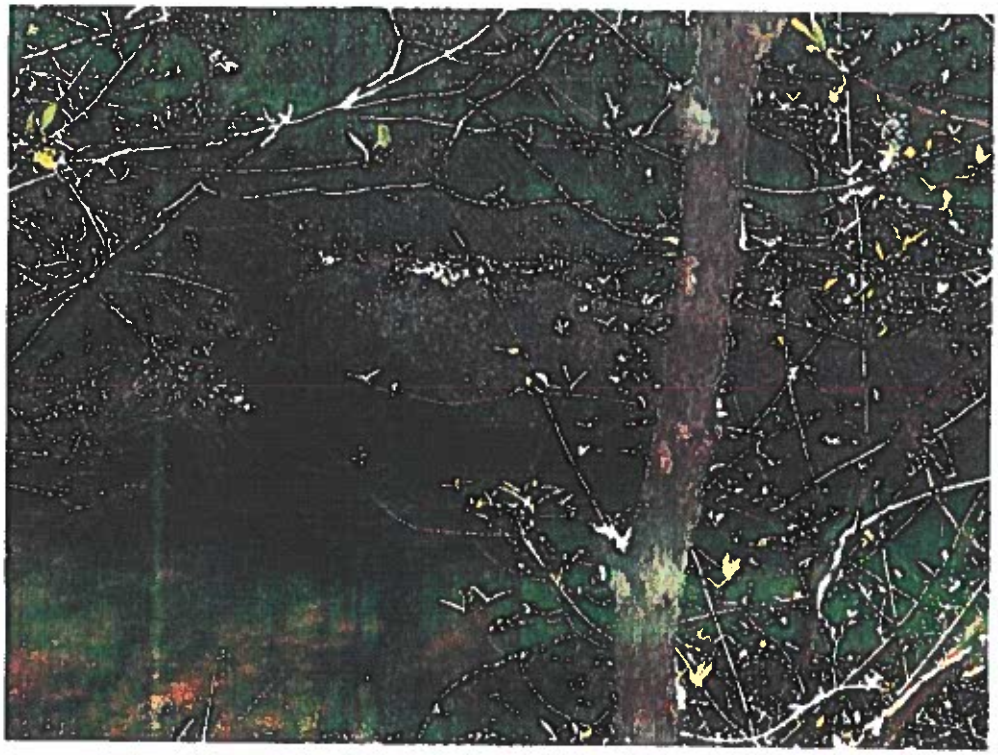
Inland Wetland soils: No wetland soils are mapped on or near the site.

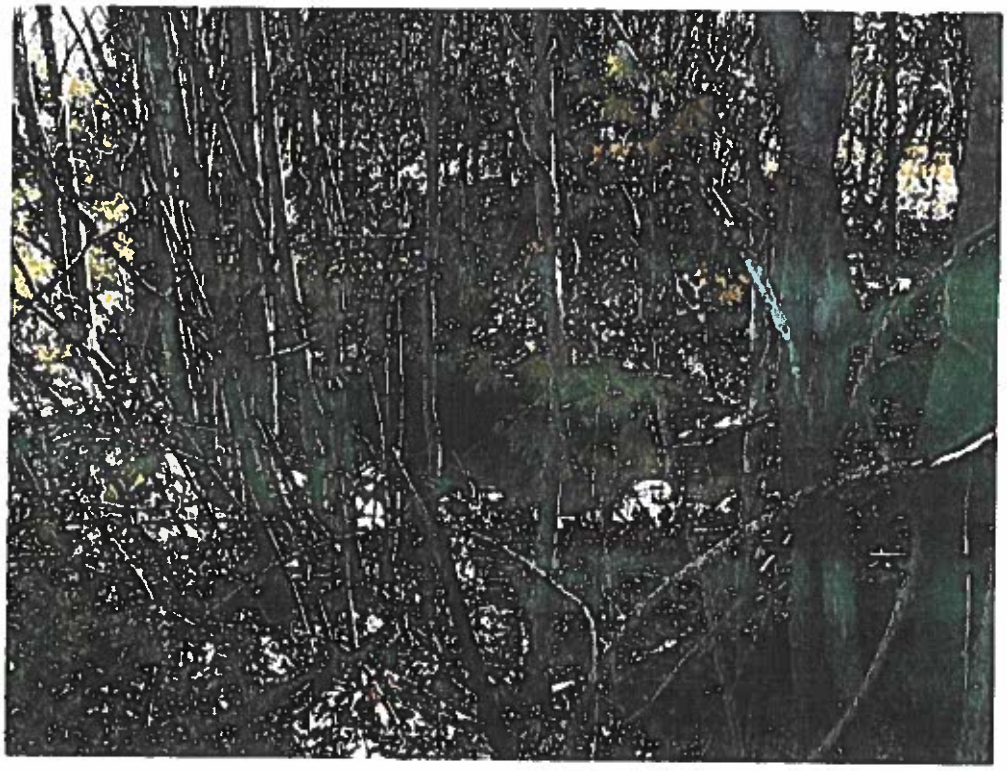


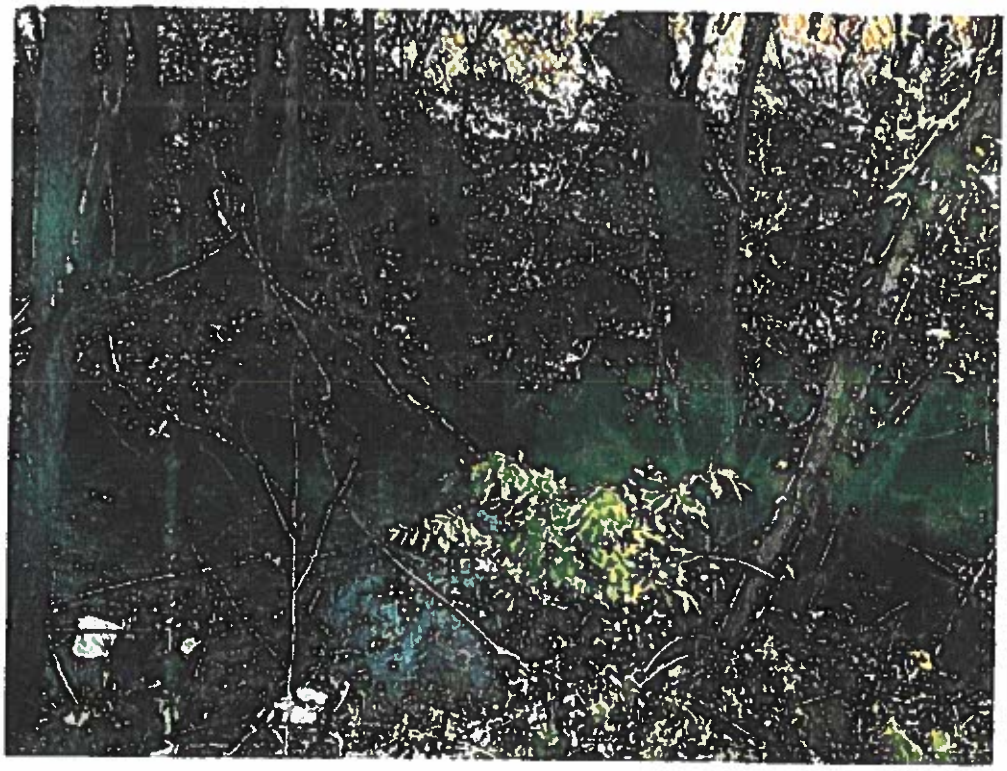
Natural Diversity Data Base: there are no reported occurrences on file with the CT DEEP.

PHOTO LOG

Photos taken May 2014







5233-01-m2014-rpt

Soil Map—State of Connecticut
(Ball & Socket Facility)

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

Meters: 0 45 90 180 270

Feet: 0 150 300 600 900

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

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: http://websoilsurvey.nrcs.usda.gov
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 11, Nov 19, 2013

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

Date(s) aerial images were photographed: Mar 28, 2011—May 12, 2011

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

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
10	Raynham silt loam	0.6	1.6%
17	Timakwa and Natchaug soils	4.6	12.8%
63B	Cheshire fine sandy loam, 3 to 8 percent slopes	10.3	28.4%
69B	Yalesville fine sandy loam, 3 to 8 percent slopes	0.0	0.0%
269B	Yalesville-Urban land complex, 3 to 8 percent slopes	0.0	0.0%
306	Udorthents-Urban land complex	20.7	57.2%
Totals for Area of Interest		36.2	100.0%