

**MEETING NOTICE AND AGENDA**  
**MANSFIELD INLAND WETLANDS AGENCY**  
**Monday, February 1, 2016 ■ 6:30 PM**

Audrey P. Beck Municipal Building ■ 4 South Eagleville Road ■ Council Chambers

- 1. Call to Order**
- 2. Roll Call**
- 3. Review of Minutes**
  - a. 1-04-16– Meeting Minutes
- 4. Communications**
  - a. Conservation Commission Minutes
  - b. Monthly Business Memorandum
- 5. Public Hearing**
  - a. **W1557 – C. L. Niarhakos, 101 East Road, 3 lot re- subdivision**  
Memo from Wetlands Agent
  - b. **W1559 – Storrs Lodges, LLC, Application to Amend Inland Wetlands and Watercourses Map**  
Memo from Wetlands Agent
- 6. Old Business**
  - a. **W1557 – C. L. Niarhakos, 101 East Road, 3 lot re- subdivision**
  - b. **W1559 – Storrs Lodges, LLC, Application to Amend Inland Wetlands and Watercourses Map**
- 7. New Business**
  - a. **W1561– H. Raphaelson, Dog Lane, 2 lot subdivision**  
Memo from Wetlands Agent
- 8. Reports from Officers and Committees**
- 9. Other Communications and Bills**
  - a. DEEP- 2015 Aquatic Plant Control at Swam and Mirror Lake
  - b. DEEP- Grants to Municipalities for the control of Aquatic Invasive Species
- 10. Adjournment**

**DRAFT Minutes**  
Mansfield Inland Wetlands Agency  
Regular Meeting  
Monday, January 4, 2016  
Council Chambers, Audrey P. Beck Municipal Building

Members present: J. Goodwin, C. Ausburger, B. Chandy, R. Hall, G. Lewis, K. Rawn, B. Ryan, V. Ward,  
S. Westa  
Alternates present: P. Aho, K. Holt  
Staff present: J. Kaufman, Wetlands Agent  
L. Painter, Director of Planning and Development;

Chairman Goodwin called the meeting to order at 6:30 p.m.

**Review of Minutes:**

- a. 12/07/2015 Regular Meeting:  
Hall MOVED and Ryan seconded to approve the 12/07/2015 minutes. MOTION PASSED UNANIMOUSLY.
- b. 12/16/2015 Special Meeting Field Trip:  
No action was necessary due to a lack of a quorum at the field trip.

**Communications:**

The Conservation Committee meeting minutes and Kaufman's monthly business memo were noted.

**Public Hearing:**

- a. **W1557 – C.L. Niarhakos, 101 East Road, 3 lot re-subdivision**  
Ryan MOVED and Ward seconded to commence the public hearing on the 3-lot subdivision application of Christopher and Lindsey Niarhakos (File W1557), 101 East Road, Williams Heights subdivision on February 1, 2016 and to schedule a special IWA meeting on Tuesday, January 19, 2016 to hold the public hearing. MOTION PASSED UNANIMOUSLY.

**Old Business:**

- a. **W1557 – C.L. Niarhakos, 101 East Road, 3 lot re-subdivision**  
Item tabled until 1/19/16.
- b. **W1559 – Storrs Lodges LLC, Hunting Lodge Road (Parcel ID 15.21.3), Application to Amend Inland Wetlands and Watercourses Map**  
Item tabled until 2/1/16.
- c. **W1560 – M. Slowik, 895 Mansfield City Road, Lot Split for Single Family Dwelling:**  
Westa MOVED and Hall seconded to grant an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to M. Slowik (File #W1560) for Single Family Dwelling on property owned by the applicants and located at 895 Mansfield City Road as shown on plans dated 10/23/2015 and as described in application submissions.

This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned on the following provisions being met:

1. Appropriate erosion and sedimentation controls shall be in place prior to construction, maintained during construction and removed when disturbed areas are completely stabilized; and
2. All material that is excavated or used as fill on the site shall be stockpiled and or distributed at least 50 feet from the edge of wetlands.

This approval is valid for five years (until January 4, 2021) unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before any work begins and all work shall be completed within one year. Any extension of the activity period shall come before this Agency for further review and comment. MOTION PASSED UNANIMOUSLY.

**New Business:**

None.

**Reports from Officers and Committees:**

None.

**Other Communications:**

Noted.

**Adjournment:**

Chairman Goodwin declared the meeting adjourned at 6:35 p.m.

Respectfully submitted,

Vera S. Ward, Secretary



# Town of Mansfield

## Department of Planning and Development

**Date:** January 12, 2016  
**To:** Mansfield Inland Wetlands Agency  
**From:** Jennifer Kaufman, Inland Wetlands Agent  
**Subject:** **Field Trip Minutes**

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At your January 4, 2016 meeting you asked me to look into if the IWA/PZC needed to vote on field trip minutes if there was no quorum present. After discussing this with the Town Clerk, staff determined that if there is not a quorum, then only field trip notes should be written and submitted to the public record. No vote needs to take place. Attached is an example of how these notes should be written.

**Field Trip Notes- No Quorum Present**

MANSFIELD PLANNING AND ZONING COMMISSION

INLAND WETLANDS AGENCY

SPECIAL MEETING – FIELD TRIP

October 14, 2015

Members present: Bonnie Ryan;  
Roswell Hall (Item 3: Present for oral presentation, did not walk the site)

Conservation: Neil Fachinetti (Item 3)

Staff present: Jennifer Kaufman

The field trip began at approximately 2:00 p.m.

**W1556- R. Manning, 37 Higgins Highway, Site Work**

Members were met on site by R. Manning. Members observed current conditions, and site characteristics. No decisions were made.

**W1558- K. Mehrens, 214 Wormwood Hill Road, 12' x 16' Shed**

Members were met on site by property owner K. Mehrens. Members observed current conditions, and site characteristics. No decisions were made.

**W1557 – C. L. Niarhakos, 101 East Road, 3 lot re- subdivision**

Members were met on site by property owner C. Niarhakos. Others present were E. Pelletier, Datum Engineering and Surveying; M. & R. Harper, 129 East Road; Joe Boucher, Towne Engineering. Members observed current conditions, and site characteristics on both 101 East Road and 129 East Road. No decisions were made.

Town of Mansfield  
**CONSERVATION COMMISSION**  
Meeting of 20 January 2016  
Conference B, Audrey P. Beck Building  
**(draft) MINUTES**

*Members present:* Neil Facchinetti, Quentin Kessel, Scott Lehmann, Grant Meitzler, John Silander, Michael Soares. *Members absent:* Aline Booth (Alt.), Joan Buck (Alt.), Robert Dahn. *Others present:* George Logan (REMA Ecological Services, LLC), Dave Ziaks (F. A. Hesketh & Associates, Inc.), Jennifer Kaufman (Wetlands Agent).

**1.** The meeting was **called to order** at 7:30p by Chair Quentin Kessel. The agenda was reordered to accommodate visitors, and discussion of Kessel's letter regarding constitutional protection of state lands (item 5 below) was added to it.

**2. W1559 (Storrs Lodges, LLC, Hunting Lodge Rd parcel 15.21.3).** The applicant requests that the Town's wetland and watercourses map be amended to reflect recent soil studies on its 45-acre parcel off Hunting Lodge Rd. George Logan of REMA Ecological Services and Dave Ziakas of F.A. Hesketh & Associates displayed maps showing the proposed wetland boundaries and explained how they were delineated.

The Town's coarse-grained wetlands map shows 15.29 acres of wetlands on this parcel. Wetland boundaries determined by Mr. Logan during field studies of the parcel in October 2015 reduce wetland area to just 6.68 acres. The wetlands map he proposes makes small adjustments to the map submitted with the application for the Ponde Place development in 2007 (W1380).

The Town hired Thomas Pietras of Pietras Environmental Group to review Logan's work. Based on a visit to the parcel on 16 December, Mr. Pietras judged that (1) that wetlands were, in three places, slightly more extensive than shown on Logan's map and that (2) two additional 'transitional' areas, with signs of poorly drained soils, needed a closer look. The two soil scientists jointly visited the parcel on 04 January 2016. They agreed that the three places noted in (1) should be classified as wetlands, but found that the two 'transitional' areas noted in (2) contained only small, isolated patches of wetland soils and should not be so classified.

In discussion, Mr. Logan explained that Connecticut law is somewhat peculiar in making wetlands determinations depend wholly upon soil type. In practice, determinations of soil type are made on the basis of what's found in the top half-meter of soil. An area of wetland soils covered by 20 inches of fill or sediment may therefore not be classed as wetland, despite being poorly drained and supporting wetland vegetation.

Mr. Logan & Mr. Ziaks were thanked for their presentation and left the meeting.

**3.** The **draft minutes** of the 16 December 2015 meeting were approved as written.

**4. Project Greenspace.** Connecticut Audubon is promoting legislation in Hartford that would permit towns to set up local conservation funds, financed by a conveyance fee on the sale of residential property. The fee, paid by the buyer, could be no more than 1% of the amount by which the sale exceeds \$150K (so that the fee paid for sales no greater than \$150K would be \$0). Does the Commission wish to recommend that the Town support such legislation?

Facchinetti thought that there were fairer methods of raising money for land conservation; someone who bought residential property under this system would be paying a tax he or she had no say on. Lehmann pointed out that this does not distinguish the proposed system from the present one: anyone who buys into the town buys into taxes & fees about which he or she had nothing to say. Silander worried that a conveyance fee in Mansfield might displace bonding for open space purchases – a poor exchange if the fee didn't bring in a lot of money. However, the

proposed legislation would not require any town to adopt such a fee, and Soares thought it important to give other towns a means of funding conservation that Mansfield might not need.

**5. Constitutional Amendment to Protect State Lands.** State land, even that in state parks or state forests, is vulnerable to giveaways by the state legislature. State Senator Kevin Witkos (Canton) has proposed a constitutional amendment to make divestment of state land which the public perceives to be protected more difficult. After brief discussion, the Commission (**motion:** Lehmann, Facchinetti) unanimously endorsed Kessel's letter (attached) asking the Mansfield Town Council to review this proposal and to consider asking our legislators to support it.

**6. Ravine Rd.** The unpaved portion of Ravine Rd, damaged in a trucking mishap, is now closed to traffic. It's been proposed that this closure be made permanent and that the Town's right of way on the unpaved portion be relinquished (in which case the unpaved section would be absorbed by the Green family farm). Neighbors on the paved portion recently met and decided to support maintaining the road, which affords them easy access to UConn. Kessel, Silander, & Lehmann were dismayed that giving up the right of way was under consideration, as the road is scenic and could be a fine recreational trail if closed to traffic. The Commission unanimously agreed (**motion:** Kessel, Silander) to add this item to the agenda. It then unanimously agreed (**motion:** Kessel, Silander) to communicate to the Town Council the Commission's view that:

The Town should not discontinue Ravine Road, because doing so would limit access to a most scenic area of Mansfield.

**7. Conservation Easement monitoring.** Part of the Elise Rd. easement has been walked by Kessel, Meitzler, & Facchinetti; the remainder will be done at the same time that Soares monitors the easement on the Favretti property, as they share a boundary. Silander & Lehmann will look at the Silver Falls Development easement sometime in the next three weeks.

**6. Adjourned** at 9:01p. Next meeting: 7:30p, Wednesday, 17 February 2016.

Scott Lehmann, Secretary, 21 January 2016.

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Attachment

TO: Mansfield Town Council  
FROM: Mansfield Conservation Commission  
SUBJECT: Constitutional Amendment to Protect State Lands  
DATE: January 20, 2016

The Mansfield Conservation Commission is supportive of Kevin Witkos's (Canton State Senator) effort to amend the State Constitution to make it more difficult for legislators to sell, trade, or give away land in State parks, forests, or other land that most citizens consider to be protected. The infamous "Haddam Land Swap" is an example of such an attempted giveaway. In that case legislation almost swapped 17 acres along the Connecticut River (across from the Goodspeed Opera House) for forest-land of lesser value.

The Mansfield Conservation Commission asks the Mansfield Town Council to review this amendment and, if it sees fit, to express support of this effort to our legislators, Mae Flexer, Gregory Haddad and Linda Orange.

Thank you for your consideration of this matter.

Quentin Kessel, of behalf of the Commission

CC: Mae Flexer, Gregory Haddad, Linda Orange



# Town of Mansfield

## Inland Wetlands Agency

**Date:** January 28, 2016  
**To:** Mansfield Inland Wetlands Agency  
**From:** Jennifer Kaufman, Inland Wetlands Agent  
**Subject:** Monthly Business Report

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### **Mansfield Auto Parts - Route 32**

I am in the process of determining the status of this License and if they need to come in for a renewal. The last IWA license (File #1403) was issued in 2008. On January 28, 2016, I monitored the site and there were two cars approximately 15 feet from the edge of wetlands. The owners were asked to remove these within the week.

### **Agent Approvals**

none



# Town of Mansfield

## Department of Planning and Development

**Date:** Thursday, January 28, 2016

**To:** Mansfield Inland Wetlands Agency

**From:** Jennifer Kaufman, Inland Wetlands Agent

**Subject:** 101 East Road (File #W1557)  
Christopher and Lindsey Niarhakos  
Description of work: William Heights 3-Lot Re-subdivision

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The public hearing for the above referenced application is scheduled to be held at the February 1, 2016 Inland Wetlands Agency meeting. However, in an email dated Friday, January 15, 2016, the applicants withdrew the application. For this reason, staff recommends that you open the public hearing and immediately move to close it. Further, staff recommends that you formally accept the applicants' request for withdrawal.

If the IWA agrees with staff recommendations, the following motion is in order:

\_\_\_\_\_ MOVES, \_\_\_\_\_ seconds to close the public hearing on the application of Christopher and Lindsey Niarhakos (File W1557), 101 East Road, Williams Heights 3-lot re-subdivision, and to accept the applicants' request to withdraw the application dated January 15, 2016.

**Jessie Richard**

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**Subject:** FW: 101 East Rd

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**From:** Christopher Niarhakos [[mailto:chris\\_niarhakos@hotmail.com](mailto:chris_niarhakos@hotmail.com)]

**Sent:** Friday, January 15, 2016 9:38 AM

**To:** Jennifer S. Kaufman <[KaufmanJS@MANSFIELDCT.ORG](mailto:KaufmanJS@MANSFIELDCT.ORG)>

**Cc:** GERALD HARDISTY <[gehardisty@yahoo.com](mailto:gehardisty@yahoo.com)>; [e.pelletier@datumengr.com](mailto:e.pelletier@datumengr.com); [REMA8@aol.com](mailto:REMA8@aol.com)

**Subject:** 101 East Rd

Good morning Jennifer. I would like to withdraw my current wetlands application for 101 East Rd subdivision. We are working on revisions to our plans and need more time to finish. I plan to have new plans ready for reapplication in time to be received at the IWA meeting in March.

Chris Niarhakos

*Sent from my Verizon Wireless 4G LTE DROID*



# Town of Mansfield

## Department of Planning and Development

**Date:** January 27, 2016

**To:** Mansfield Inland Wetlands Agency

**From:** Jennifer Kaufman, Inland Wetlands Agent

**Subject:** West side of Hunting Lodge Road (assessor's parcel id 15.21.3) (File #W1559)  
Pond Place LLC  
Description of work: Wetland Map Amendment  
Map Date: 2/7/2007 revised through 1/8/2016

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### Notifications

- The applicant has paid the required application fee
- The applicant has submitted certified mail receipts for notices mailed to abutters

### Project Overview

At your February 1, 2016 meeting the IWA will conduct a public hearing to amend the "Inland Wetlands and Watercourses Map, Mansfield, Connecticut" on a parcel located on the west side of Hunting Lodge Road (assessor's parcel id 15.21.3) pursuant to section 15.0 of the Regulations. The applicants are currently requesting that the Inland Wetlands and Watercourses Map be amended based on a soil delineation performed by REMA Ecological Services (RES).

At the meeting of December 7, 2015, the Agency authorized staff to hire Pietras Environmental to review the applicant's delineation pursuant to section 8.6 of Mansfield's Inland Wetlands and Watercourses Regulations and the Fee Schedule established in Article V, Chapter 122, Section 122-12 of the Mansfield Code of Ordinances. On December 16, 2015, Tom Pietras conducted a site visit to review RES's wetland delineation. During this review, he noted three small areas with additional wetland soils and two transitional areas. These areas are depicted in **Figure 1** of his report. On January 4, 2016, George Logan of RES, Tony Giorgio of Pond Place, LLC, Tom Pietras of Pietras Environmental, and I conducted a site visit. George Logan and Tom Pietras checked and then delineated the three areas identified as containing wetland soils. Together, the two soil scientists classified the soil type and determined that the two transitional areas were not wetland soils. This is depicted on **Figure 2** of the Pietras Environmental Report. Please note that **Figure 2. Figures 1 and 2** are not to scale and are for illustrative purposes only. The applicant's surveyor then surveyed the revised wetland delineation, which is shown on the attached map dated 2/7/2005, revised through 1/8/2016. The Conservation Commission reviewed the revised wetland delineation at their meeting of January 20, 2016 and made no formal motion. At this point, there is no discrepancy between the applicant's soil scientist and the consultant hired by the agency regarding the wetland delineation.

For this reason, I recommend amending the Inland Wetlands and Watercourses Map based on the wetland delineation shown on the map dated 2/8/2007 and revised through 1/8/2016. If the Agency agrees with my recommendation and no major issues are raised during the public hearing, the following motion is in order:

**Recommendation/Suggested Motion**

\_\_\_\_\_ MOVES, \_\_\_\_\_ seconds to amend the Inland Wetlands and Water Courses Map, Mansfield, CT pursuant to section 15.0 of the Mansfield Inland Wetlands and Watercourses Regulations to reflect the wetland delineation on a parcel located on the west side of Hunting Lodge Road (assessor's parcel id 15.21.3) conducted by REMA Ecological Services and reviewed by Pietras Environmental Group and depicted on a map dated 2/8/2007 revised through 1/8/2016 (File # W1559).

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**PIETRAS ENVIRONMENTAL GROUP, LLC**

**WETLANDS INVESTIGATION REPORT**

January 9, 2016

Town of Mansfield, ATTN: Jennifer Kaufman, Inland Wetlands Agent  
10 South Eagleville Road  
Storrs-Mansfield, CT 06268

Re: Storrs Lodges, LLC, (formerly known as Ponde Place, LLC), Hunting Lodge Road,  
Mansfield, CT  
PEG Job # 2015-189

Dear Ms. Kaufman:

In accordance with your request, I conducted a site inspection to the subject property on December 16, 2015. The purpose of the investigation was to verify the proposed wetland boundaries that were previously established by Rema Ecological Services, LLC (RES) in October 2015. An on-site investigation and wetland delineation report, dated November 25, 2015, was prepared by Mr. George T. Logan, RES Soil Scientist and Wetland Scientist. According to the report RES staff conducted site inspections to the subject property on 10/1, 10/9 & 10/10/2015. The wetland boundaries were delineated with consecutively numbered, pink and blue survey tapes. The wetland boundaries were located by survey and plotted onto a property survey map prepared by F.A. Hesketh & Associates, Inc. The survey map is entitled, "Wetland Map Amendment on Property of Ponde Place, LLC., Hunting Lodge Road, Mansfield, CT," (revision date of 11-30-2015).

During the December 16, 2015 inspection I found all of the wetland boundary flags that had been previously established by RES. On 12/16/2015 I dug test holes with a spade and auger for soils identification. Site conditions on 12/16/2015 included: partly sunny and seasonably warm with temperatures in the 50's. The entire property was inspected.

Based on my 12/16/2015 investigation I am in agreement with the wetland boundaries that were previously delineated by RES with the exception of three small areas (refer to Figure 1). I determined that additional poorly drained Ridgebury wetlands are present (1) to the east of wetland flags C-25 thru C-27, (2) to the east of wetland flags C-43 thru C-48 and (3) to the west of C1-10 thru C1-13. In addition, I observed two areas with transitional soils containing a mix of non-wetland Woodbridge and wetland Ridgebury soils. These two transitional areas are labeled with a "T" in Figure 1.

A joint site investigation was conducted on January 4, 2016. Those in attendance at the inspection were Jennifer Kaufman, Tony Giorgio, George Logan and Thomas Pietras. The three areas identified to contain additional wetlands on 12/16/2015 were investigated. Test holes were dug with spade and auger. It was jointly agreed by both Mr. Logan and Mr. Pietras that poorly drained Ridgebury wetlands are present within the three areas. On 1/4/2016 the wetland boundaries were revised in the three areas in order to include the additional wetland soils (refer to Figure 2).

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15 Briarwood Lane  
Wallingford, CT 06492  
203-314-6636

EMAIL Tom@pietrasenvironmentalgroup.com  
WEB SITE pietrasenvironmentalgroup.com

**Wetlands Investigation Report for Storrs Lodges, LLC, (formerly known as Ponde Place, LLC), Hunting Lodge Road, Mansfield, CT**

page 2 of 2

The two areas containing a mix of non-wetland and wetland soils (labeled with a "T" in Figure 1) were also investigated on 1/4/2016. The soils in the two transitional areas were identified as moderately well drained Woodbridge fine sandy loam. A few test holes contained poorly drained soil profiles. However, the poorly drained soil profiles are a very small component of the Woodbridge soil mapping unit and are treated as inclusions. No additional wetlands were identified in the two transitional areas. The ground water table in the two transitional areas of Woodbridge soils was noted to be exceptionally high (within 6 to 12 inches of the soil surface). Even though the transitional areas of Woodbridge soils do not qualify as wetlands, the high water table in this area should be noted. The revised wetland boundary line flags per the 1/4/2016 joint site investigation were located by survey and plotted onto the property survey map entitled, "Ponde Place, LLC., Hunting Lodge Road, Mansfield, CT," as prepared by F.A. Hesketh & Associates, Inc.(revision date of 1-08-16). I have review the revised property survey map (1-08-16) and determined that the wetlands boundary lines shown on the map are substantially correct.

In conclusion, I inspected the property on December 16, 2015. The wetland boundary lines previously established by RES were determined to be substantially correct with the exception of three small areas. I determined that additional wetlands are present in these three areas (refer to Figure 1). On 1/4/2016 a joint site investigation was held. Mr. George Logan and Mr. Thomas Pietras inspected the soils in the three areas identified to contain additional wetlands on 12/16/2015. The wetlands boundaries were revised in the three areas to include the additional wetlands (refer to Figure 2). The survey map prepared by F.A. Hesketh & Associates, Inc. (revision date of 1-08-16) portrays all of the wetlands on the property, including the revised wetland boundary lines per the 1-4-2016 joint site investigation, and this map was determined to be substantially correct.

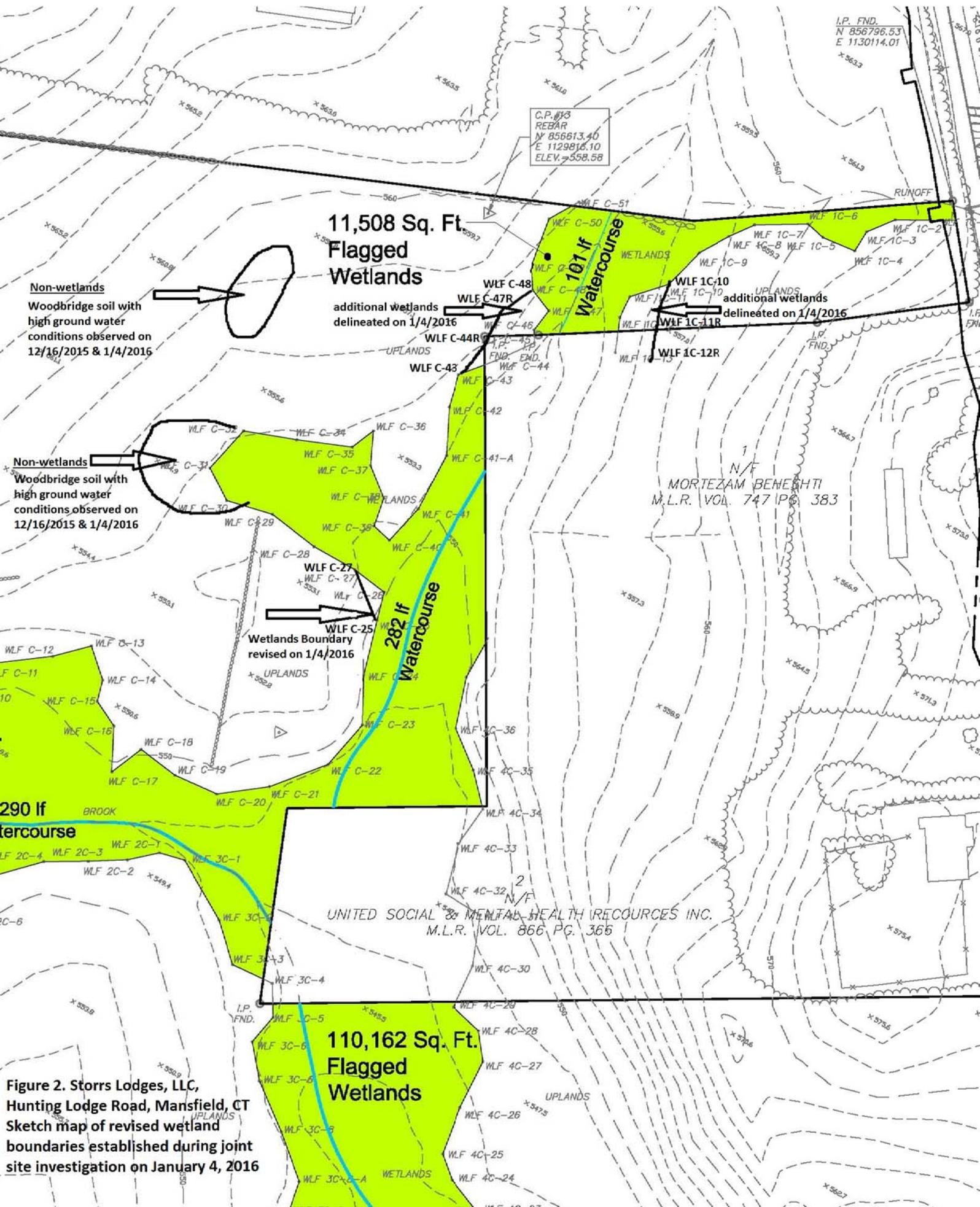
Respectfully submitted,



Thomas W. Pietras, Professional Wetland and Soil Scientist

cc: George Logan





**11,508 Sq. Ft. Flagged Wetlands**

**Non-wetlands**  
Woodbridge soil with high ground water conditions observed on 12/16/2015 & 1/4/2016

additional wetlands delineated on 1/4/2016

additional wetlands delineated on 1/4/2016

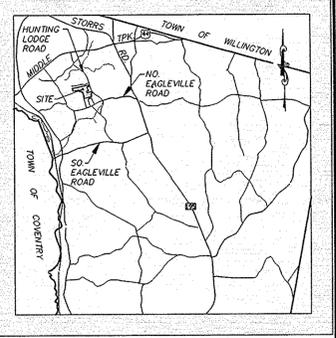
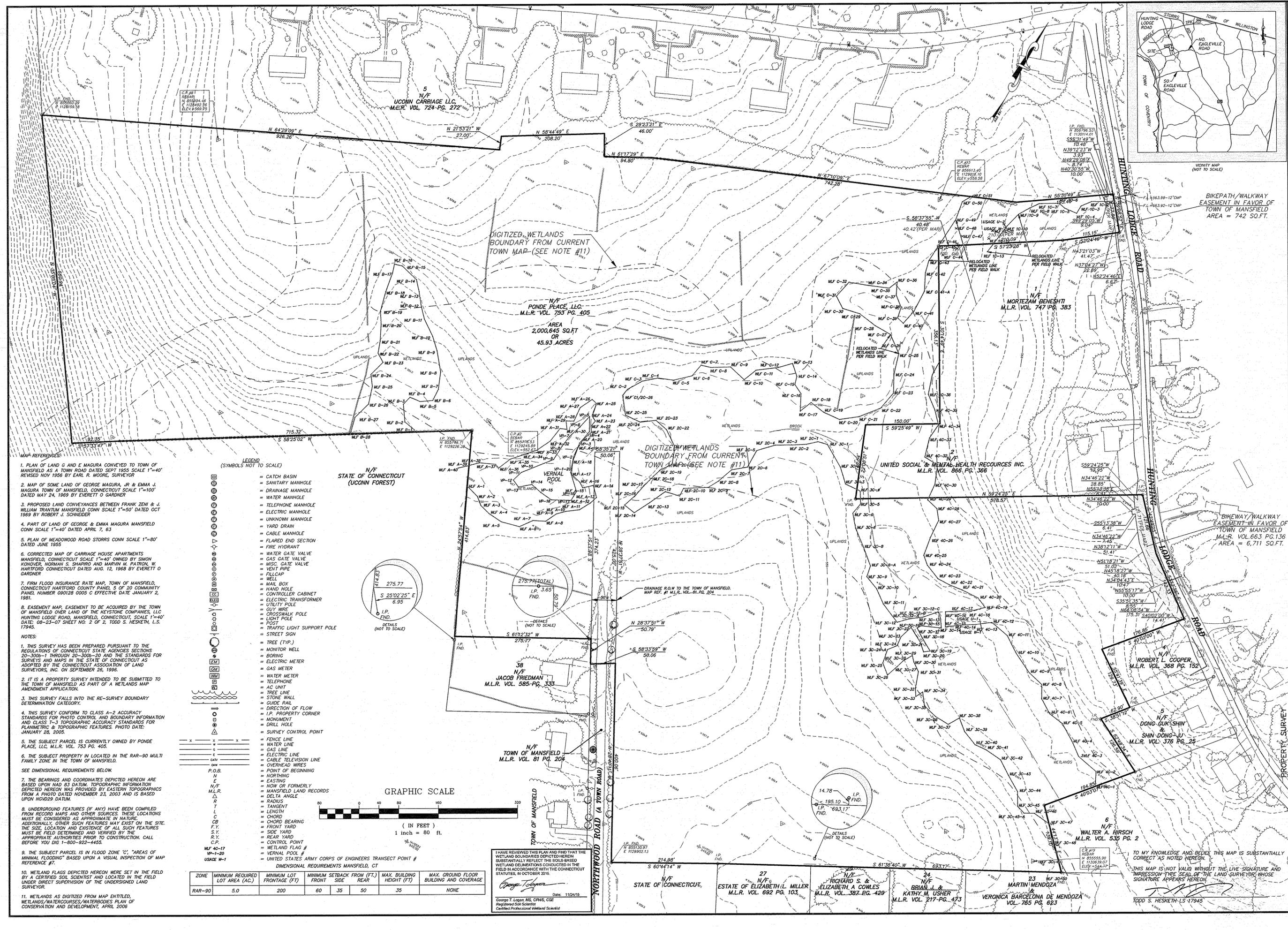
**Non-wetlands**  
Woodbridge soil with high ground water conditions observed on 12/16/2015 & 1/4/2016

**Wetlands Boundary revised on 1/4/2016**

**290 If Watercourse**

**110,162 Sq. Ft. Flagged Wetlands**

**Figure 2. Storr's Lodges, LLC, Hunting Lodge Road, Mansfield, CT**  
Sketch map of revised wetland boundaries established during joint site investigation on January 4, 2016



**MAP REFERENCES:**

- PLAN OF LAND G AND E MAGURA CONVEYED TO TOWN OF MANSFIELD AS A TOWN ROAD DATED SEPT 1955 SCALE 1"=40' REVISED NOV 1956 BY EARL R. MOORE, SURVEYOR
- MAP OF SOME LAND OF GEORGE MAGURA, JR & EMMA J. MAGURA TOWN OF MANSFIELD, CONNECTICUT SCALE 1"=100' DATED MAY 24, 1959 BY EVERETT O. GARDNER
- PROPOSED LAND CONVEYANCES BETWEEN FRANK ZENI & J. WILLIAM TRANTUM MANSFIELD CONN SCALE 1"=50' DATED OCT 1969 BY ROBERT J. SCHNEIDER
- PART OF LAND OF GEORGE & EMMA MAGURA MANSFIELD CONN SCALE 1"=40' DATED APRIL 7, 63
- PLAN OF MEADOWWOOD ROAD STORRS CONN SCALE 1"=80' DATED JUNE 1955
- CORRECTED MAP OF CARRIAGE HOUSE APARTMENTS MANSFIELD, CONNECTICUT SCALE 1"=40' OWNED BY SIMON KONOVER, NORMAN S. SHAPRO AND MARVIN M. PATRON, W. HARTFORD, CONNECTICUT DATED AUG. 12, 1968 BY EVERETT O. GARDNER
- FIRM FLOOD INSURANCE RATE MAP, TOWN OF MANSFIELD, CONNECTICUT HARTFORD COUNTY PANEL S OF 20 COMMUNITY PANEL NUMBER 090128 0005 C EFFECTIVE DATE JANUARY 2, 1991.
- EASEMENT MAP, EASEMENT TO BE ACQUIRED BY THE TOWN OF MANSFIELD OVER LAND OF THE KEYSTONE COMPANIES, LLC HUNTING LODGE ROAD, MANSFIELD, CONNECTICUT, SCALE 1"=40' DATE: 08-23-07 SHEET NO. 2 OF 2, TODD S. HESKETH, L.S. 17945.

**NOTES:**

- THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
- IT IS A PROPERTY SURVEY INTENDED TO BE SUBMITTED TO THE TOWN OF MANSFIELD AS PART OF A WETLANDS MAP AMENDMENT APPLICATION.
- THIS SURVEY FALLS INTO THE RE-SURVEY BOUNDARY DETERMINATION CATEGORY.
- THIS SURVEY CONFORMS TO CLASS A-2 ACCURACY STANDARDS FOR PHOTO CONTROL AND BOUNDARY INFORMATION AND CLASS 1-3 TOPOGRAPHIC ACCURACY STANDARDS FOR PLANIMETRIC & TOPOGRAPHIC FEATURES. PHOTO DATE: JANUARY 28, 2005.
- THE SUBJECT PARCEL IS CURRENTLY OWNED BY PONDE PLACE, LLC, M.L.R. VOL. 753 PG. 405.
- THE SUBJECT PROPERTY IS LOCATED IN THE RAR-90 MULTI FAMILY ZONE IN THE TOWN OF MANSFIELD.
- SEE DIMENSIONAL REQUIREMENTS BELOW.
- THE BEARINGS AND COORDINATES DEPICTED HEREON ARE BASED UPON NAD 83 DATUM. TOPOGRAPHIC INFORMATION DEPICTED HEREON WAS PROVIDED BY EASTERN TOPOGRAPHICS FROM A PHOTO DATED NOVEMBER 23, 2003 AND IS BASED UPON NAD83 DATUM.
- UNDERGROUND FEATURES (IF ANY) HAVE BEEN COMPILED FROM RECORD MAPS AND OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
- THE SUBJECT PARCEL IS IN FLOOD ZONE 'C', 'AREAS OF MINIMAL FLOODING' BASED UPON A VISUAL INSPECTION OF MAP REFERENCE #7.
- WETLAND PLUGS DEPICTED HEREON WERE SET IN THE FIELD BY A CERTIFIED SOIL SCIENTIST AND LOCATED IN THE FIELD UNDER DIRECT SUPERVISION OF THE UNDERSIGNED LAND SURVEYOR.
- WETLANDS AS DIGITIZED FROM MAP ENTITLED, WETLANDS/WATERCOURSES/WATERBODIES PLAN OF CONSERVATION AND DEVELOPMENT, APRIL 2006

**LEGEND**  
(SYMBOLS NOT TO SCALE)

- = CATCH BASIN
- = SANITARY MANHOLE
- = DRAINAGE MANHOLE
- = WATER MANHOLE
- = TELEPHONE MANHOLE
- = ELECTRIC MANHOLE
- = UNKNOWN MANHOLE
- = YARD DRAIN
- = CABLE MANHOLE
- = FLARED END SECTION
- = FIRE HYDRANT
- = WATER GATE VALVE
- = GAS GATE VALVE
- = MISC. GATE VALVE
- = VENT PIPE
- = FILL CAP
- = WELL
- = MAIL BOX
- = HAND HOLE
- = CONTROLLER CABINET
- = ELECTRIC TRANSFORMER
- = UTILITY POLE
- = CUY WIRE
- = CROSSWALK POLE
- = LIGHT POLE
- = POST
- = TRAFFIC LIGHT SUPPORT POLE
- = STREET SIGN
- = TREE (TYP.)
- = MONITOR WELL
- = BORING
- = ELECTRIC METER
- = GAS METER
- = WATER METER
- = TELEPHONE
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**DIMENSIONAL REQUIREMENTS MANSFIELD, CT**

ZONE	MINIMUM REQUIRED LOT AREA (AC.)	MINIMUM LOT FRONTAGE (FT)	MINIMUM SETBACK FROM (FT.)	MAX. BUILDING HEIGHT (FT)	MAX. GROUND FLOOR BUILDING AND COVERAGE
RAR-90	5.0	200	FRONT: 60 SIDE: 35 REAR: 50	35	NONE

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**NOTES:**

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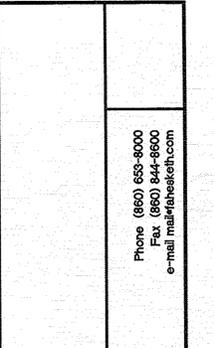
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**BIKEPATH/WALKWAY EASEMENT IN FAVOR OF TOWN OF MANSFIELD AREA = 742 SQ.FT.**

**BIKEWAY/WALKWAY EASEMENT IN FAVOR OF TOWN OF MANSFIELD M.L.R. VOL. 663 PG. 136 AREA = 6,711 SQ.FT.**

**BIKEWAY/WALKWAY EASEMENT IN FAVOR OF TOWN OF MANSFIELD M.L.R. VOL. 663 PG. 136 AREA = 6,711 SQ.FT.**

**BIKEWAY/WALKWAY EASEMENT IN FAVOR OF TOWN OF MANSFIELD M.L.R. VOL. 368 PG. 152**

**SHIN DONG-U M.L.R. VOL. 376 PG. 25**

**WALTER A. FIRSCH M.L.R. VOL. 535 PG. 2**

**VERONICA BARCELONA DE MENDOZA VOL. 765 PG. 623**

**TODD S. HESKETH L.S. 17945**

**PS-1**

**F.A.H. F. A. Hesketh & Associates, Inc.**  
6 Creamery Brook, East Granby, CT 06026  
Civil & Traffic Engineers • Surveyors • Planners • Landscape Architects

Phone (860) 653-8000  
Fax (860) 844-8600  
e-mail mal@fahct.com

Revisions:  
No. Date Description  
1 05-27-07 MISC  
2 10-27-15 WETLANDS / TREE UPDATED  
3 11-30-2015 WETLANDS MAP AMENDMENT/TITLE  
4 01-09-16 REVISED WETLAND LINE PER FIELD WALK

WETLAND MAP AMENDMENT  
ON PROPERTY OF  
**PONDE PLACE, LLC.**  
HUNTING LODGE ROAD  
MANSFIELD, CONNECTICUT

Date: 02-07-08 Drawn by: RM Job no: 04161  
Scale: 1" = 80' Checked by: TSH Sheet no: 1 OF 1

© 2004-2016 Survey/Wetland Amendment 3,000, WMA, 30n. 12. 2016 - 11:19:59 AM



# Department of Planning and Development

**Date:** January 27, 2016  
**To:** Mansfield Inland Wetlands Agency  
**From:** Jennifer Kaufman, Inland Wetlands Agent  
**Subject:** Receipt of New Application for Wetlands License  
east side of Dog Lane (assessor's parcel id 16.41.23) (IWA File #1561)  
H. Raphaelson  
Description of work: 2-lot subdivision-Raphaelson Estates

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## Project Description

The applicants propose to subdivide a 14.75 acre parcel into two single family lots located on the east side of Dog Lane. Except for two foundation drains, all activity will be at least 50 feet from the edge of wetlands.

- The project includes work in wetlands.
- The project includes work in the 150 foot upland review area.
- The project is located in a Public Water Supply Watershed.

## Application Fees and Notifications

- The applicant has paid the required application fee
- The applicant has submitted copies of the notice mailed to neighbors and a list of abutters to be notified. Certified mail receipts must be submitted prior to action on the application.
- The applicant has submitted copies of notices provided to the Connecticut DPH and Windham Water Works. Certified mail receipts must be submitted prior to action on the application.
- Natural Diversity Database has been checked and state and/or federal listed species or significant natural communities have been identified on the property.

## Receipt Motion

\_\_\_\_\_ MOVES, \_\_\_\_\_ seconds to receive the application submitted by H. Raphaelson (IWA File #1561) under the Wetlands and Watercourses Regulations of the Town of Mansfield for 2-lot subdivision-Raphaelson Estates on property located on the east side of Dog Lane (assessor's parcel id 16.41.23) as shown on a map dated 1/12/2016 and as described in application submissions, and to refer said application to staff and the Conservation Commission for review and comments.

**APPLICATION FOR PERMIT  
MANSFIELD INLAND WETLANDS AGENCY  
4 SOUTH EAGLEVILLE ROAD, STORRS, CT 06268  
860-429-3015x6204 (DIRECT) TEL: 860-429-3330 OR  
FAX: 860-429-6863**

FOR OFFICE USE ONLY

File #

W \_\_\_\_\_

Fee Paid \_\_\_\_\_

Official Date of Receipt \_\_\_\_\_

*Applicants are referred to the Mansfield Inland Wetlands and Watercourses Regulations for complete requirements, and are obligated to follow them. For assistance, please contact the Inland Wetlands Agent at the telephone numbers above.*

Please print or type or use similar format for computer; attach additional pages as necessary.

**Part A - Applicant**

Name Howard Raphaelson

Mailing Address 119 Timber Drive

Storrs, CT Zip 06268

Phone 860-429-1340 Email howardar@yahoo.com

**Title and Brief Description of Project**

Raphaelson Estates-Proposed 2 lot subdivision to develop 2 building lots for single

family dwellings.

**Location of Project** Dog Lane, Storrs/Mansfield

**Intended Start Date** Fall 2016

**Part B - Property Owner** (if applicant is the owner, just write "same")

Name same as applicant

Mailing Address \_\_\_\_\_

Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Owner's written consent to the filing of this application, if owner is not the applicant:

Signature \_\_\_\_\_ date \_\_\_\_\_

Applicant's interest in the land: (if other than owner) \_\_\_\_\_

**Part C - Project Description (attach extra pages, if necessary)**

- 1) Describe in detail the proposed activity here or on an attached page. (See guidelines at end of application)

Please include a description of all activity or construction or disturbance:

- a) **in** the wetland/watercourse  
b) **in** the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property  
Proposed subdivision to develop two building lots for single family dwellings with on-site septic systems and drilled wells.  
a.) No activity in wetlands.  
b.) Activity at it's nearest point for proposed Lots 1 & 2 as follows:

	Lot 1	Lot 2
House	108'	63'
Well	162'	141'
Septic System	58'	50'
Foundation Drain	38'	8'
Driveway	104'	58'

- 2) Describe the amount or area of disturbance (in square feet or cubic yards or acres):

- a) **in** the wetland/watercourse  
b) **in** the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property

- a.) No disturbance in wetland soils.  
b.) Lot #1- 25,600 sq. ft.  
Lot #2- 29,450 sq. ft.

- 3) Describe the type of materials you are using for the project: sand & gravel fill will be used for driveways and septic system areas

- a) include **type** of material used as fill or to be excavated sand & gravel  
b) include **volume** of material to be filled or excavated  
Lot #1- 100 cu. yds. for driveway      Lot #2- 80 cu. yds. for driveway  
- 150 cu. yds. for septic system      - 130 cu. yds. for septic system

- 4) Describe measures to be taken to minimize or avoid any adverse impacts on the wetlands and regulated areas (silt fence, staked hay bales or other Erosion and Sedimentation control measures).  
see attached plan for E & S notes along with E & S measures for containing  
any adverse impacts on the wetlands

**Part D - Site Description**

Describe the general character of the land. (Hilly? Flat? Wooded? Well drained? etc.)  
a gently sloping wooded knoll consisting of well drained soils in the area of  
the proposed improvements

**Part E - Alternatives**

Have you considered any alternatives to your proposal that would meet your needs and might have less impact on the wetland/watercourse? Please list these alternatives.

\_\_\_\_\_  
We did consider crossing the wetlands to access a large upland area south  
\_\_\_\_\_  
of the building site located on Lot #2 but felt the proposed plan would  
\_\_\_\_\_  
have less of an impact on wetlands.  
\_\_\_\_\_

**Part F - Map/Site Plan (all applications)**

1) Attach to the application a map or site plan showing **existing conditions** and the **proposed project** in relation to wetland/ watercourses. Scale of map or site plan should be 1" = 40'; if this is not possible, please indicate the scale that you are using. A sketch map may be sufficient for small, minor projects. **(See guidelines at end of application)**

2) Applicant's map date and date of last revision January 12, 2016

3) Zone Classification RAR-90

4) Is your property in a flood zone?  Yes  No  Don't Know

**Part G - Major Applications Requiring Full Review and a Public Hearing**

See Section 6 of the Mansfield Regulations for additional requirements.

**Part H - Notice to Abutting Property Owners**

1) Attach list of abutters, name, and address

2) **Proof of Written Notice to Abutters.** You must notify abutting (neighboring) property owners (any property immediately contiguous with the subject property, including those across the street) by certified mail, return receipt requested, stating that a wetland application is in progress, and that abutters may contact the Mansfield Inland Wetlands Agent for more information. Include a brief description of your project. **Postal receipts of your notice to abutters must accompany your application.** To generate an abutters list go to <http://www.mainstreetmaps.com/CT/Mansfield/>

**Part I - Additional Notices, if necessary**

Notice to Windham Water Works and CT Department of Public Health is attached. If this application is in the public watershed for the Windham Water Works (WWW), you must notify the WWW and the Department of Public Health of your project within 7 days of sending the application to Mansfield--sending it by certified mail, return receipt requested. Contact the Mansfield Inland Wetlands Agent to find out if you are in this watershed.

Notice to Adjoining Town. If your property is within 500 feet of an adjoining town, you must also send a copy of the application, on the same day you sent one to Mansfield, to the Inland Wetlands Agency of the adjoining town, by certified mail, return receipt requested.

The Statewide Reporting Form shall be part of the application and specified parts must be completed and returned with this application.

**Part J - Other Impacts To Adjoining Towns, if applicable**

- 1) Will a significant portion of the traffic to the completed project on the site use streets within the adjoining municipality to enter or exit the site? \_\_\_ Yes  X  No \_\_\_ Don't Know
  
- 2) Will sewer or water drainage from the project site flow through and impact the sewage or drainage system within the adjoining municipality? \_\_\_ Yes  X  No \_\_\_ Don't Know
  
- 3) Will water run-off from the improved site impact streets or other municipal or private property within the adjoining municipality? \_\_\_ Yes  X  No \_\_\_ Don't Know

**Part K - Additional Information from the Applicant**

Set forth (or attach) any other information which would assist the Agency in evaluating your application. (*Please provide extra copies of any lengthy documents or reports, and extra copies of maps larger than 8.5" x 11", which are not easily copied.*)

**Part L - Filing Fee**

Application fees shall be in accordance with the current Mansfield Code of Ordinance fee Schedule, pursuant to Section 8-1c of the Connecticut General Statutes. The fee schedule includes provisions for applicant-funded consultant studies and reports. The current fee schedule is available in the Planning and Zoning office.

*Note: The Agency may require additional information about the upland review area or about wetlands or watercourses affected by the regulated activity. If the Agency, upon review of your application, finds the activity proposed may involve a "significant activity" as defined in the Regulations, additional information and/or a public hearing may be required.*

**Certification**

I hereby certify that:

- I am familiar with the information contained in this form and that such information is true and correct to the best of my knowledge.
- I understand the penalties for obtaining a permit through deception or through inaccurate or misleading information.

Howard A. Raphaelson  
Signature

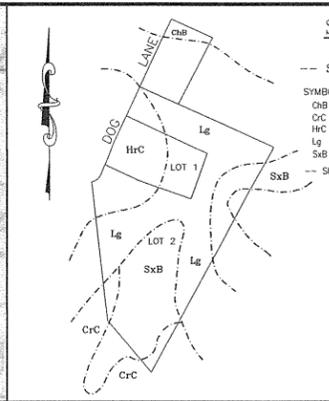
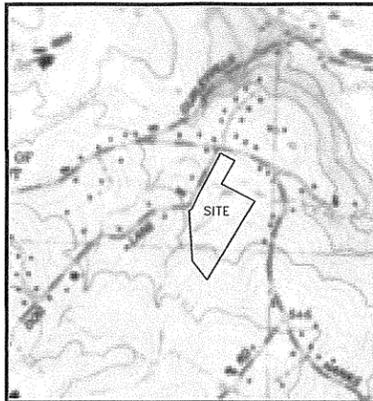
01/26/2016  
Date

**Authorization to Enter Property**

The undersigned hereby consent to necessary and proper inspections of the above-mentioned property by members and agents of the Inland Wetlands Agency at reasonable times, both before and after the permit in question has been issued by the Agency.

Howard A. Raphaelson  
Signature

01/26/2016  
Date



**SOIL MAP**  
SCALE: 1" = 400'

**SOILS LEGEND**

SYMBOL DESCRIPTION

ChC CHARLTON STONY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES  
 CcC CHARLTON VERY STONY FINE SANDY LOAM, 3 TO 15 PERCENT SLOPES  
 HcC HOLLIS VERY ROCKY FINE SANDY LOAM, 3 TO 15 PERCENT SLOPES  
 Lg LEICESTER-RODEBURY-WITHMAN VERY STONY COMPLEX  
 SxB SUITON VERY STONY FINE SANDY LOAM, 3 TO 15 PERCENT SLOPES

SOILS DATA AS PER: "SOIL SURVEY, TOLLAND COUNTY, CONNECTICUT, UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE"

TOTAL PARCEL AREA 15.84 ACRES  
 AREA WITH OVER 15 PERCENT SLOPES - NONE  
 TOTAL AREA OF WETLANDS - 408,834 SQ.FT.±  
 PERCENT OF WETLANDS - 59.2%

**OPEN SPACE DEDICATION**

PER SECTION 13.1.1 - COMMISSION SHALL HAVE THE RIGHT TO REQUIRE UP TO 15% OF THE LAND TO BE SUBDIVIDED DEDICATED AS OPEN SPACE, CONSERVATION, PARK OR PLAYGROUND.  
 REQUIRED OPEN SPACE = 690,194 SQ.FT. x 15% = 103,529 SQ.FT.  
 REQUIRED DRY LAND WITHIN OPEN SPACE = 103,529 SQ.FT. x 40.8% = 42,240 SQ.FT.  
 DRY LAND WITHIN PROPOSED CONSERVATION EASEMENT = 82,580 SQ.FT.  
 PROPOSED CONSERVATION EASEMENT 2.45 ACRES (106,801 SQ.FT.)

**ZONING TABLE**

	REQUIRED	LOT 1	LOT 2
LOT AREA:	90,000 S.F.	102,626 S.F.	587,568 S.F.
LOT FRONTAGE:	200'	250.68'	606.47'
BUILDABLE AREA:	40,000 S.F.	48,630 S.F.	44,075 S.F.*

\*IN AREA OF PROPOSED HOUSE



**AERIAL PHOTO**  
SCALE: 1" = 400'

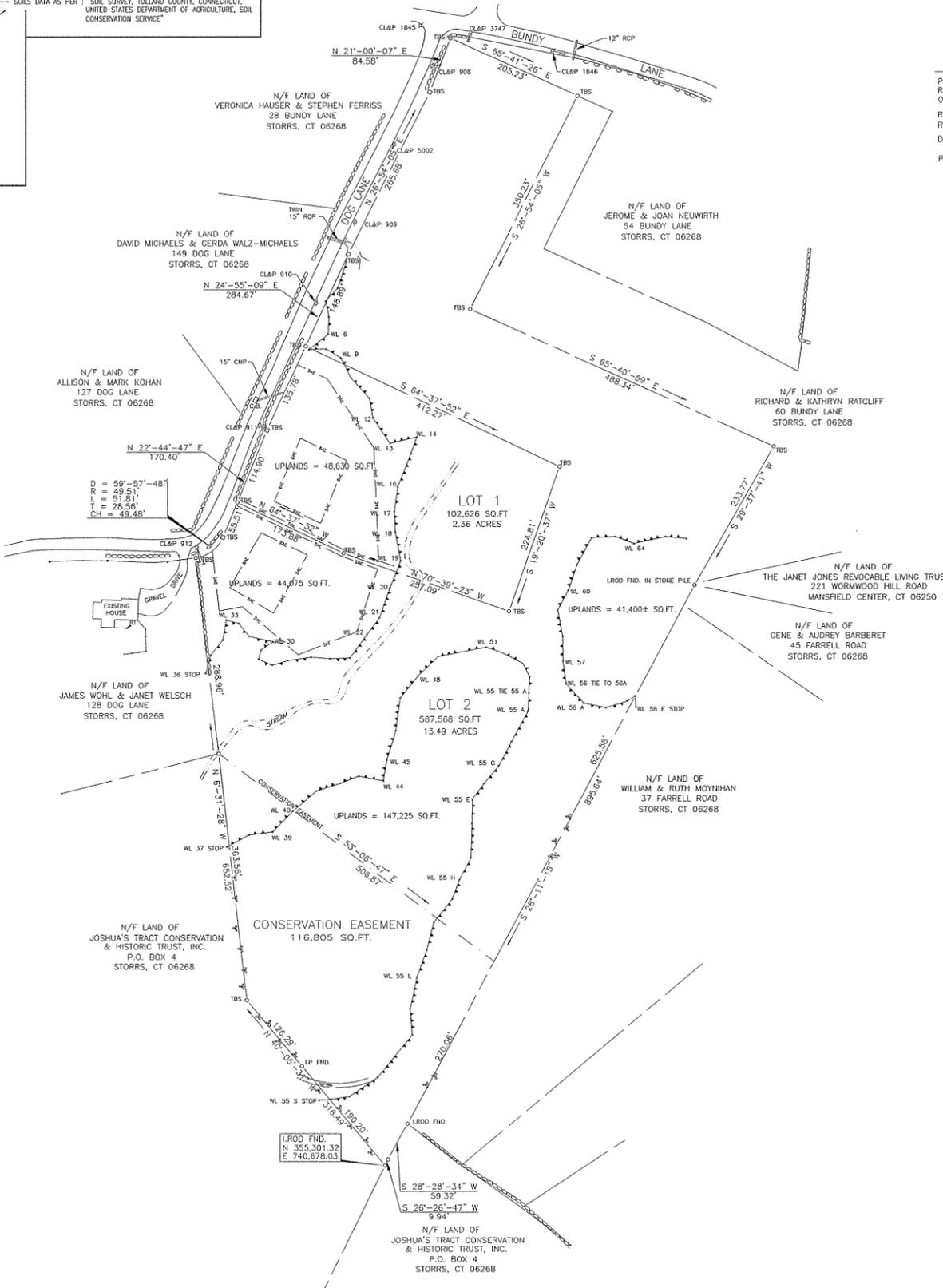
**LOCATION MAP**  
SCALE: 1" = 1000'

REFERENCE MADE TO THE FOLLOWING MAPS:

1.) "AS-BUILT PLAN PREPARED FOR WILLIAM ZAVISTOSKI DOG LANE MANSFIELD, CONNECTICUT SCALE: 1" = 20' DATE: JUNE 16, 1998 DRAWN BY: SDK CHECKED BY: SAF SHEET 1 OF 1 FILIP ASSOCIATES 1875 STORRS ROAD, MANSFIELD, CT."

2.) "PLAN PREPARED FOR AUDREY & GENE BARBERET NO. 45 FARRELL ROAD STORRS, CONN. PLOT PLAN SCALE 1" = 20' DRN. R.M. DATE 7-24-84 TRD. D.C.K. FILE NO. 831137 SHEET NO 1 OF 1" PREPARED BY MEEHAN ASSOCIATES.

3.) "BOUNDARY SURVEY PREPARED FOR UCONN FOUNDATION, INC. DOG LANE & BUNDY LANE STORRS, CONNECTICUT SCALE: 1" = 40' DATE: JANUARY 6, 2012 DATUM ENGINEERING & SURVEYING, LLC 132 CONANTVILLE ROAD, MANSFIELD CENTER, CT. 06250 JOB NO. 211064"



**BOUNDARY NOTES:**

1.) STREETLINE ALONG DOG LANE (LOCAL ROAD PER ARTICLE III SECTION C.3 OF THE ZONING REGULATIONS) WAS ESTABLISHED 25 FEET FROM THE CENTERLINE OF THE EXISTING TRAVELLED WAY PER ARTICLE VIII SECTION 9 (HIGHWAY CLEARANCE SETBACKS) OF THE ZONING REGULATIONS.

2.) THE SUBJECT PROPERTY CONTAINS 15.84 ACRES.

**NOTES:**

1.) ALL PROPOSED LOTS CONTAIN 40,000 SQUARE FEET OF SUITABLE LAND FOR BUILDING AS DEFINED IN ARTICLE VIII, SECTION B.6 OF THE MANSFIELD ZONING REGULATIONS.

2.) UNDERGROUND UTILITIES  
 A. ALL WIRED UTILITY LINES SERVING STRUCTURES ON NEW LOTS SHALL BE INSTALLED UNDERGROUND. UTILITY LINES SHALL BE INSTALLED IN A SUITABLE CONDUIT SYSTEM UNLESS THE RESPONSIBLE UTILITY COMPANY DETERMINES THAT DIRECT BURIAL IS MORE APPROPRIATE.  
 B. UPON APPROVAL BY THE RESPONSIBLE UTILITY COMPANY, PLANS SHALL BE SUBMITTED TO DEPICT THE LOCATION OF ALL UNDERGROUND UTILITY EASEMENT AREAS.

3.) PURSUANT TO SUBDIVISION REGULATION PROVISIONS, (PARTICULARLY SECTIONS 7.4c, 7.5, AND 7.6) AND ZONING REGULATION PROVISIONS (PARTICULARLY ARTICLE VIII, SECTION B.5 AND B.6) THIS ACTION SPECIFICALLY APPROVES PROPOSED LOT AREAS AND THE DEPICTED BUILDING ENVELOPES, INCLUDING SETBACK WAIVERS FOR LOTS 1 & 2. UNLESS THE COMMISSION SPECIFICALLY AUTHORIZES REVISIONS, THE DEPICTED BUILDING ENVELOPES SHALL SERVE AS THE SETBACK LINES FOR ALL FUTURE STRUCTURES AND SITE IMPROVEMENTS, PURSUANT TO ARTICLE VII OF THE ZONING REGULATIONS. THIS REQUIREMENT SHALL BE NOTED ON THE LAND RECORDS.

4.) PROPERTY LINE TO SERVE AS DEVELOPMENT AREA ENVELOPE LINE (DAE) EXCEPT WHERE DENOTED OTHERWISE ON LOTS.

APPROVED BY THE TOWN OF MANSFIELD INLAND WETLAND AGENCY

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE MANSFIELD PLANNING AND ZONING COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE DIRECTOR OF HEALTH

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE DIRECTOR OF PUBLIC WORKS

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

**BOUNDARY PLAN FOR SUBDIVISION**  
 ENTITLED  
**RAPHAELSON ESTATES**  
 DOG LANE  
 STORRS, CONNECTICUT  
 OWNER & SUBDIVIDER  
 HOWARD A. & ALICE K. RAPHAELSON  
 119 TIMBER DRIVE  
 STORRS, CONNECTICUT 06268  
 SCALE: 1" = 100' DATE: JANUARY 12, 2016

**LEGEND**

PROPERTY LINE \_\_\_\_\_

ADJUTER'S PROPERTY LINE \_\_\_\_\_

BUILDING AREA ENVELOPE \_\_\_\_\_ BAE \_\_\_\_\_

DEVELOPMENT AREA ENVELOPE \_\_\_\_\_ DAE \_\_\_\_\_

EXISTING ROAD \_\_\_\_\_

LIMIT OF WETLANDS \_\_\_\_\_

CONSERVATION EASEMENT \_\_\_\_\_

STONE WALL \_\_\_\_\_

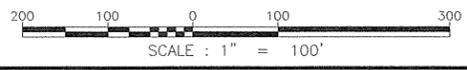
UTILITY POLE \_\_\_\_\_

VIRGINIA RAIL FENCE REMAINS \_\_\_\_\_

IRON ROD TO BE SET ○ T.B.S.

IRON ROD FOUND ○ I.R.O.D.F.N.D.

MONUMENT TO BE SET ○ T.B.S.



THE WETLAND SOILS ON THIS SITE WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CONNECTICUT P.A. 72-155 AS AMENDED BY CONN. P.A. 73-571, CONN. P.A. 87-338 AND P.A. 87-533. THE BOUNDARIES OF THESE SOILS AND OF IDENTIFIED WATERCOURSES ARE ACCURATELY REPRESENTED ON THIS PLAN.

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A SUBDIVISION MAP BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS "A-2". THE PROPOSED PROPERTY LINES BETWEEN LOTS BEING AN ORIGINAL SURVEY. THIS SURVEY AND MAP IS INTENDED TO ENABLE DETERMINATION OF COMPLIANCE OR NON-COMPLIANCE WITH APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

EDWARD PELLETER, L.S. #14203

JOHN P. IANNI \_\_\_\_\_ DATE \_\_\_\_\_



SHEET 1 OF 2  
**ENGINEERING & SURVEYING, LLC**

132 CONANTVILLE ROAD  
 MANSFIELD CENTER, CT 06250  
 TEL (860)456-1357 FAX (860)456-1840

JOB NO.: 214044  
 CHECKED BY: \_\_\_\_\_ CORRECTIONS BY: \_\_\_\_\_





January 4, 2016  
E-MAILED

Ms. Jennifer Kaufman  
Town of Mansfield-Inland Wetland Agency  
Audrey P. Beck Municipal Building  
4 South Eagleville Road  
Mansfield, CT 06268

RE: CT DEEP Aquatic Pesticide Permit Application Modification  
University of Connecticut, Storrs, CT

To Ms. Kaufman:

Enclosed for your information is UConn's DEEP renewal aquatic pesticide permit to include chemical treatments for both Mirror and Swan Lakes located on the University of Connecticut Storrs campus.

Feel free to contact me at 860-486-3476 or [katie.milardo@uconn.edu](mailto:katie.milardo@uconn.edu) with any questions or concerns.

Sincerely,

Katie D. Milardo  
Environmental Compliance Analyst

Enclosure



**Connecticut Department of  
Energy & Environmental Protection**  
Bureau of Materials Management & Compliance Assurance  
Engineering & Enforcement Division

## Permit Application for the Use of Pesticides in State Waters

Please complete this form in accordance with section 22a-66z CGS and the [instructions](#) (DEEP-PEST-INST-200) in order to ensure the proper handling of your application. Print or type unless otherwise noted. You must submit the initial fee along with this form.

CPPU USE ONLY
App #: _____
Doc #: _____
Check #: _____
<b>Program: Aquatic Pesticides</b>

### Part I: Application Type and Description

Check the appropriate box identifying the application type.

<p>This application is to request (check one):</p> <p><input type="checkbox"/> A single year permit      <input checked="" type="checkbox"/> A multi-year permit</p> <p><i>Note: Multi-year permits will be issued at the Department of Energy and Environmental Protection's (DEEP) discretion.</i></p> <p>Town where site is located: <b>Storrs, CT</b></p> <p>Brief Description of Project: <b>Algae and aquatic weed control, Swan and Mirror Lake, UConn Storrs, CT</b></p>
<p><b>Part II: Fee Information</b></p> <p>An initial application fee of \$200.00 [#1009] is to be submitted with <i>each</i> permit that you are applying for. Each site requires a separate permit. If you are applying for a multi-year permit, the remaining fees will be invoiced at a later date. There is no discount for municipalities. The application will not be processed without the initial fee. The fee shall be non-refundable and shall be paid by check or money order to the Department of Energy and Environmental Protection.</p>

### Part III: Site Location

<p><b>Name of Waterbody: UConn Ponds (Mirror and Swan Lake)</b></p> <p>Street address and/or description of location:</p> <p><b>Mirror Lake: NW of intersection of Storrs Road (Rt.195) and Mansfield Road.</b></p> <p><b>Swan Lake: SW of intersection of North Eagleville Road &amp; Glen Brook Road.</b></p> <p>City/Town: <b>Storrs</b>      State: <b>CT</b>      Zip Code: <b>06269</b></p>
---

## Part IV: Applicant Information

- If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the applicant's name shall be stated **exactly** as it is registered with the Secretary of State. This information can be accessed at [CONCORD](http://www.concord-sots.ct.gov/CONCORD/index.jsp). (www.concord-sots.ct.gov/CONCORD/index.jsp)
- If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).
- If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the [Request to Change Company/Individual Information](#) to the address indicated on the form. If there is a change in name of the entity holding a DEEP license or a change in ownership, contact the Office of Planning and Program Development (OPPD) at 860-424-3003. For any other changes you must contact the specific program from which you hold a current DEEP license.

### 1. Applicant Name: University of Connecticut

Mailing Address: 31 LeDoyt Road, Unit 3055

City/Town: Storrs

State: CT

Zip Code: 06269-3055

Business Phone: 860-486-9305

ext.:

Fax: 860-486-5477

Contact Person: Jason Coite

Phone: 860-486-9305 ext.

\*E-mail: jason.coite@uconn.edu

\*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.

- a) Applicant Type (check one):  individual  \*business entity  federal agency  
 state agency  municipality  tribal

\*If a business entity:

- i) check type:  corporation  limited liability company  limited partnership  
 limited liability partnership  statutory trust  Other: \_\_\_\_\_

ii) provide Pesticide Application Business Registration Number: \_\_\_\_\_

iii) provide Secretary of the State business ID #: \_\_\_\_\_ This information can be accessed at [CONCORD](#)

iv)  Check here if your business is **NOT** registered with the Secretary of State's office.

### b) Applicant's interest in property at which the proposed activity is to be located:

- site owner  option holder  lessee  
 easement holder  operator  pesticide applicator  
 other (specify): \_\_\_\_\_

Check if any co-applicants. If so, attach additional sheet(s) with the required information as requested above.

### 2. Billing contact, if different than the applicant.

Name: **same as applicant**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Fax:

Contact Person:

Phone:

ext.

E-mail:

**Part IV: Applicant Information (continued)**

**3. Primary contact for departmental correspondence and inquiries, if different than the applicant.**

Name: **same as applicant**

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext.: Fax:

Contact Person: Phone: ext.

\*E-mail:

\*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.

**4a. List the owner of the area to be treated who should be contacted for any departmental correspondence and inquiries. Refer to the [instructions](#).**

Name: **same as applicant**

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext.: Fax:

Contact Person: Phone: ext.

E-mail:

Shoreline Property Owner:

**4b. List names and addresses of all other owners of the area to be treated. Refer to the [instructions](#).**

*You can add rows to this table by using "tab" in the last row, in the last column.*

Names of Other Owners	Address	Shoreline Property Owner
		<input type="checkbox"/>

**5. List the person or company applying the pesticides.**

Name: **All Habitat Services, LLC**

Mailing Address: P.O. Box 231

City/Town: Branford State: CT Zip Code: 06405

Business Phone: 203-245-1212 ext.: Fax: 203-245-2981

Contact Person: David Roach Phone: 203-245-1212 ext.

E-mail: droach@allhabitat.com

Certification Number: S-3538

## Part V: Site Information

1. **COASTAL AREA:** Is the pesticide application located in a municipality within the coastal area?

Yes  No (check town list in the instructions)

If yes, is the water being treated subject to the ebb and flow of the tides, or inundated by saline or brackish water at least once a month?  Yes  No

If the water being treated is subject to the ebb and flow of the tides, or is inundated by saline or brackish water at least once a month, you must submit a [Coastal Consistency Review Form](#) (DEEP-APP-004) with your application as Attachment C.

For assistance in determining if the water being treated is affected by tidal water as described above or in completing the Coastal Consistency Review form, contact the Office of Long Island Sound Programs (OLISP) at 860-424-3034.

2. **ENDANGERED OR THREATENED SPECIES:** According to the most current "State and Federal Listed Species and Natural Communities Map", is the activity which is the subject of this application located within an area identified as a habitat for endangered, threatened or special concern species?

Yes  No Date of Map: **9/2015**

If yes, complete and submit a [Request for NDDB State Listed Species Review Form](#) (DEEP-APP-007) to the address specified on the form, **prior** to submitting this application. **Please note NDDB review generally takes 4 to 6 weeks and may require additional documentation from the applicant. A copy of the completed Request for NDDB State Listed Species Review Form and the CT NDDB response must be submitted with this completed application as Attachment D.**

For more information visit the DEEP website at [www.ct.gov/deep/nddbrequest](http://www.ct.gov/deep/nddbrequest) or call the NDDB at 860-424-3011.

3. **AQUIFER PROTECTION AREAS:** Is the site located within a town required to establish Aquifer Protection Areas, as defined in section 22a-354a through 354bb of the General Statutes (CGS)?

Yes  No To view the applicable list of towns and maps visit the DEEP website at [www.ct.gov/deep/aquiferprotection](http://www.ct.gov/deep/aquiferprotection)

If yes, is the site within an area identified on a Level A or Level B map?  Yes  No

If your site is on a Level A or Level B map, you are not required to register under the Aquifer Protection Program, **however** you must follow proper spill control measures to prevent potential contamination of drinking water. If you should have a spill, please call the emergency hotline **immediately** at 860-424-3338.

4. **CONSERVATION OR PRESERVATION RESTRICTION:** Is the property subject to a conservation or preservation restriction?  Yes  No

If Yes, proof of written notice of this application to the holder of such restriction or a letter from the holder of such restriction verifying that this application is in compliance with the terms of the restriction must be submitted as Attachment F.

5. Type of area to be treated:  Tidal Waters  Pond or Lake  Stream

6. Is the waterbody(ies) located in a public water supply watershed?  Yes  No

7. Where does the waterbody(ies) flow to (Name of receiving stream or waterbody)? **Roberts Brook to Fenton River to Mansfield Hollow Lake to Willimantic Reservoir**

Is the outflow usually flowing?  Yes  No Can outflow be stopped?  Yes  No

**Part V: Site Information**

You can add rows to the tables below, by using "tab" in the last row, in the last column.

8. Identify the size of the waterbody(ies) and the portion of the waterbody(ies) to be treated. Refer to the <a href="#">instructions</a> .								
Name of Waterbody	Length ft.	Width ft.	Acres	Max. Depth ft.	Avg. Depth ft.	Volume Ac-ft	Treated Portion	
							Acres	Volume Acre-ft
Mirror Lake	N/A	N/A	4.8	3.6	1.5	7.2	4.8	7.2
Swan Lake	N/A	N/A	2	10	4	8	2	8

9. Identify each proposed product to be used, the amount per treatment, the number of treatments and the surface area (acres) or volume (acre feet) of water to be treated with that product. If more than one waterbody will be treated, provide this information for each waterbody.					
Name of Waterbody	Full Product Name	Amount per Treatment	Number of Treatments	Treated Portion	
				Acres	Volume Acre-ft
Mirror Lake	Copper TEA (Captain XTR)	21.6 gal	4	4.8	7.2
Mirror Lake	Copper Carbonate (Nautique)	32.4 gal	4	4.8	7.2
Mirror Lake	Flumioxazin (Clipper)	Surface: 58 oz Subsurface: 7.92 lb	Surface: 3 Subsurface: 2	4.8	7.2
Swan Lake	Copper TEA (Captain XTR)	24 gal	4	2	8
Swan Lake	Copper Carbonate (Nautique)	24 gal	4	2	8
Swan Lake	Flumioxazin (Clipper)	Surface: 24 oz Subsurface: 8.4 lb	Surface: 3 Subsurface: 2	2	8

**Part V: Site Information (continued)**

10. Does the waterbody(ies) have public access?     Yes     No

11. Is the waterbody(ies) stocked with fish by the state?     Yes  No

12. Identify use(s) of waterbody(ies):

domestic water supply     irrigation     watering livestock     swimming     fishing     None

13. Are there any downstream users of the water who may be affected by treatment?     Yes     No  
If yes, please explain:

14. Within 1/2 mile of the treatment area, are there any **private** drinking water wells 50 ft. or less from the shoreline?     Yes     No

Note: Any proposed treatment area located within 200 ft. of a **public** water supply well must also be reviewed by the [Connecticut Department of Health](#).

15. Identify all plants or animals to be controlled: **Filamentous Algae, Western Waterweed (Elodea nuttalli), Slender Pondweed (Potamogeton pusillus), Watermeal, and Duckweed**

16a. Identify all types of fish present: **common warm water species**

16b. If a copper-based product will be used and there are fish species sensitive to copper, what is the alkalinity of the water to be treated?

17. Projected date(s) of pesticide use: **May-October** \_\_\_\_\_

18. List prior years in which chemicals were applied to this waterbody(ies):  
**2004-2015**

## Part VI: Supporting Documents

Be sure to read the instructions (DEEP-PEST-INST-200) to determine whether the attachments listed are applicable to your specific activity. Check the applicable box below for each attachment being submitted with this application form. When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment A, etc.) and be sure to include the applicant's name as indicated on this application form.

- Attachment A: An 8-1/2" x 11" legible copy or original of a USGS Topographic Quadrangle Map (scale 1:24,000) indicating the exact location of the area to be treated or any other map that clearly indicates the location of the waterbody(ies) to be treated.
- Attachment B: [Applicant Compliance Information Form](#) (DEEP-APP-002), if applicable.
- Attachment C: [Coastal Consistency Review Form](#) (DEEP-APP-004), if applicable.
- Attachment D: **Copy** of the completed *Request for NDDB State Listed Species Review Form* (DEEP-APP-007) **and** the NDDB response, if applicable.
- Attachment E:
  - 1) copy of a certified mail receipt, or
  - 2) a copy of the application stamped and dated as received by the local inland wetlands agency, or
  - 3) an e-mail from the local inland wetlands agency verifying that this completed application has been sent to such agency.
  - For multiple applications submitted to the local inland wetlands agency under one certified mail receipt, please attach a copy of the certified mail receipt to each application.
  - For multiple applications submitted to the local inland wetlands agency under one email, the e-mail from the agency clearly confirming receipt of each application.

Refer to the [instructions](#).
- Attachment F: Conservation or Preservation Restriction Information, if applicable.

*Please note that local inland wetlands agencies may have additional requirements pertaining to the application of aquatic pesticides to waterbodies located under their jurisdiction.*

**Part VII: Application Certification**

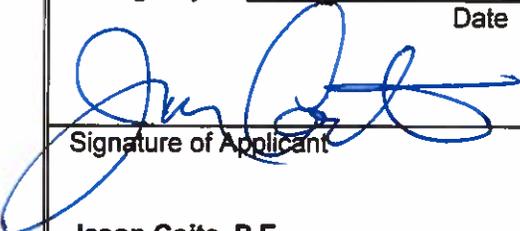
The applicant *and* the individual(s) responsible for actually preparing the application must sign this part. An application will be considered insufficient unless *all* required signatures are provided. Please also check the box and provide the date for which you sent one copy of this completed application to the appropriate local inland wetland agency.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

I certify that this application is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I also certify that I have sent one copy of this completed application to the appropriate local inland wetland agency on 1/4/2016 " \_\_\_\_\_ " \_\_\_\_\_  
 Date

  
 \_\_\_\_\_  
 Signature of Applicant

12/30/15  
 \_\_\_\_\_  
 Date

**Jason Coite, P.E.**  
 \_\_\_\_\_  
 Name of Applicant (print or type)

**Environmental Compliance Manager**  
 \_\_\_\_\_  
 Title (if applicable)

Katie D. Milardo  
 \_\_\_\_\_  
 Signature of Preparer (if different than above)

12-30-15  
 \_\_\_\_\_  
 Date

**Katie D. Milardo**  
 \_\_\_\_\_  
 Name of Preparer (print or type)

**Environmental Compliance Analyst**  
 \_\_\_\_\_  
 Title (if applicable)

Check here if additional signatures are required. If so, please reproduce this sheet and attach signed copies to this sheet.

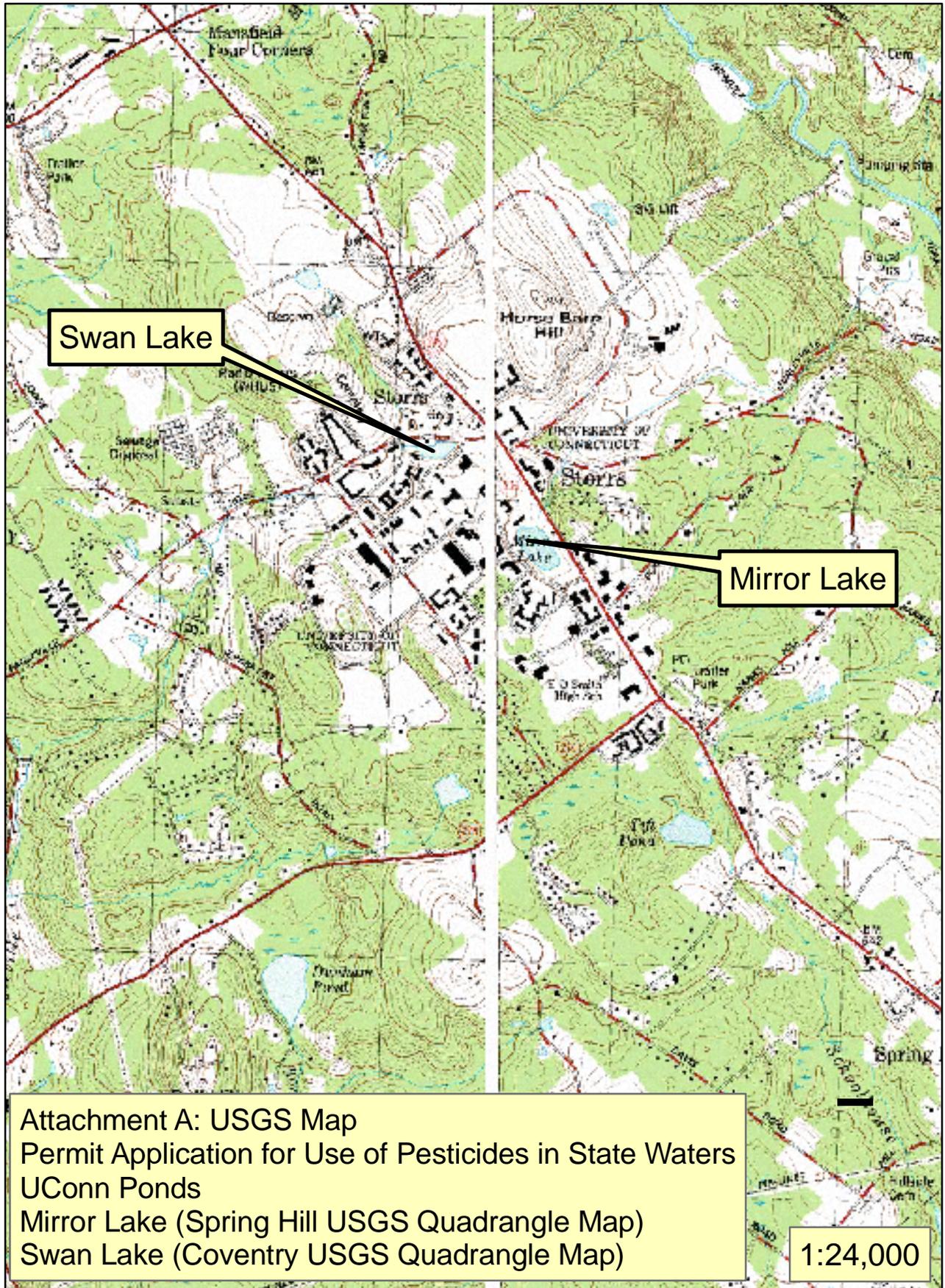
Note: Please submit this completed Application Form, Fee, and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

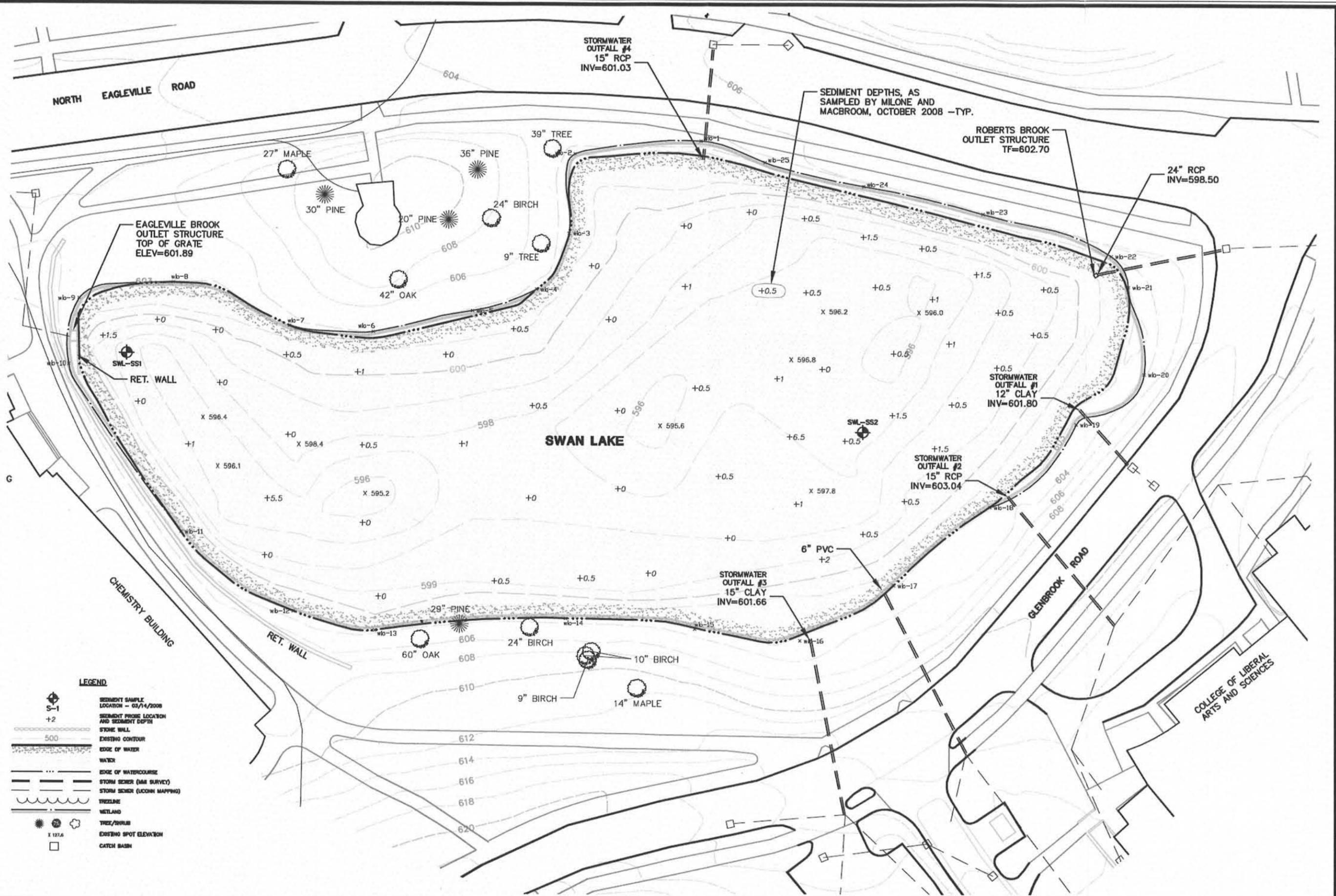
*Please also submit a copy of this completed application to the local inland wetlands agency.*

**ATTACHMENT A**

USGS Topographic Quadrangle Map  
Mirror Lake Map  
Swan Lake Map

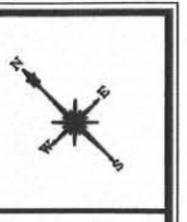
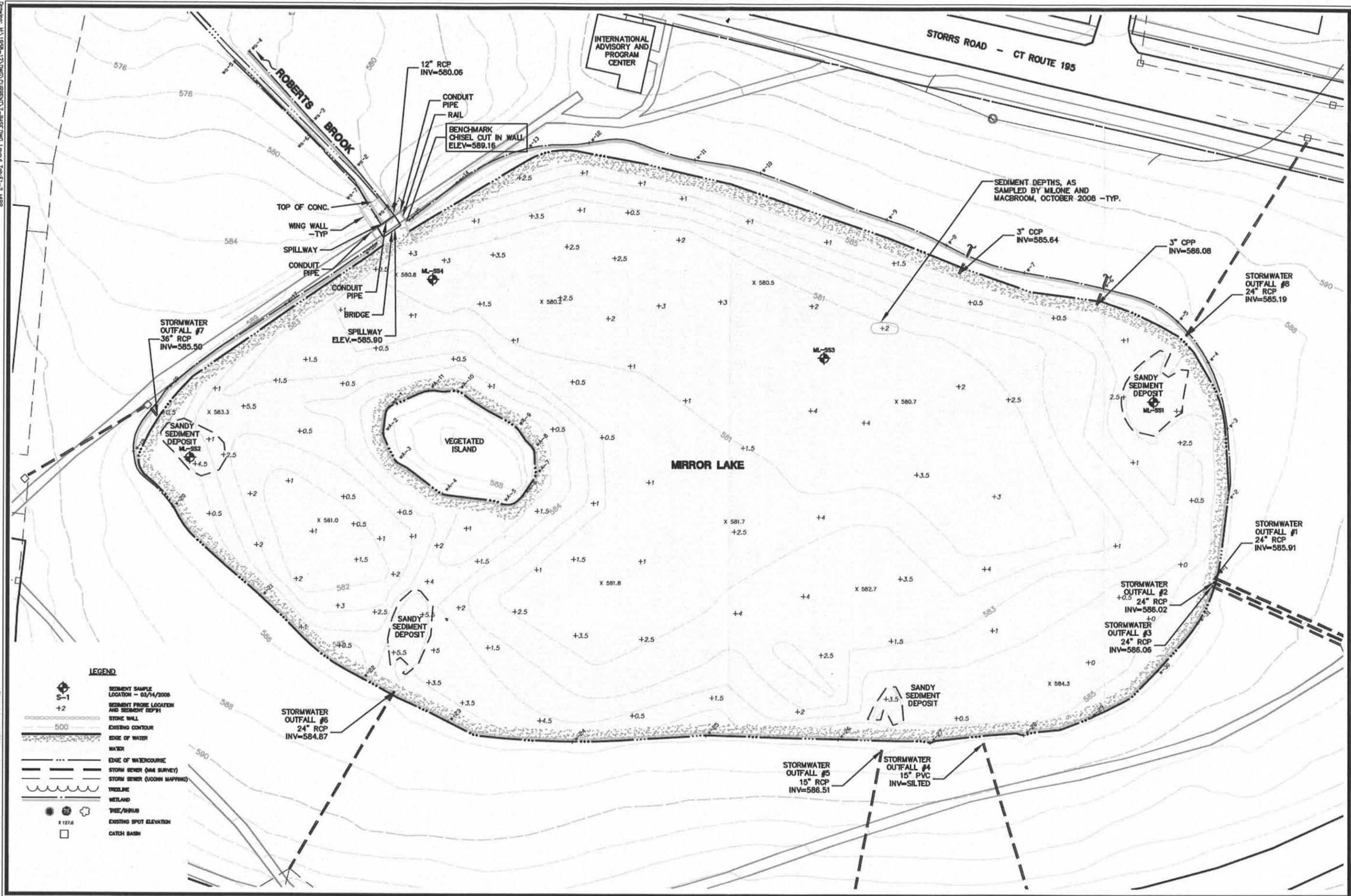


Drawing: H:\1958-12\DWG\CURRENT\12-3856.DWG Layout: T08-11-3 SWAN



Drawing: H:\1988-12\DWG\CURRENT\2-8562.DWG Layout: Table1 - 2.MXD

Plotted by: JAL/ESM On this date: Mon, 2009 January 12 - 5:09pm



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NO.	DATE	DESCRIPTION

**MIRROR LAKE EXISTING CONDITIONS**  
 UNIVERSITY OF CONNECTICUT  
 MIRROR AND SWAN LAKE SEDIMENT REMOVAL  
 UNIVERSITY OF CONNECTICUT AT STORRS,  
 STORRS, CONNECTICUT

DESIGNED	JCM	JAG
DRAWN		
SCALE	<b>T=80'</b>	
DATE	<b>DEC. 2008</b>	
PROJECT NO.	<b>1058-12</b>	

**FIG. 1-2**  
 SHEET NO.

**ATTACHMENT D**

Copy of Completed NDDB State Listed Species Review Form  
DEEP NDDB Response



Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

November 3, 2015

Katie Milardo  
University Of Connecticut  
31 Ledoyt Road, U-3055  
Storrs, CT 06269  
katie.milardo@uconn.edu

Project: 2015 Aquatic Plant Control at Swan Lake and Mirror Lake at UCONN Campus in Storrs  
NDDB Determination No.: 201508484

Dear Katie Milardo,

I have reviewed Natural Diversity Data Base (NDDB) maps and files regarding the area delineated on the map provided for the proposed 2015 Aquatic Plant Control at Swan Lake and Mirror Lake at UCONN Campus in Storrs, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for one year. Please re-submit an NDDB Request for Review if the scope of work changes or if work has not begun on this project by November 3, 2016.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or [dawn.mckay@ct.gov](mailto:dawn.mckay@ct.gov) . Thank you for consulting the Natural Diversity Data Base.

Sincerely,

A handwritten signature in cursive script that reads 'Dawn M. McKay'.

Dawn M. McKay  
Environmental Analyst 3



Connecticut Department of  
 Energy & Environmental Protection  
 Bureau of Natural Resources  
 Wildlife Division

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	No fee required
Program:	Natural Diversity Database Endangered Species
Hardcopy	_____ Electronic _____

## Request for Natural Diversity Data Base (NDDDB) State Listed Species Review

Please complete this form in accordance with the [instructions](#) (DEEP-INST-007) to ensure proper handling of your request.

**There are no fees associated with NDDDB Reviews.**

### Part I: Preliminary Screening & Request Type

Before submitting this request, you must review the most current Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the [DEEP website](#). These maps are updated twice a year, usually in June and December.

Does your site, including all affected areas, fall in an NDDDB Area according to the map instructions:

Yes     No    Enter the date of the map reviewed for pre-screening: September 2015

This form is being submitted for a :

New NDDDB request  
 *Renewal/Extension* of a NDDDB Request, **without modifications and within one year of issued NDDDB determination** (no attachments required)

[CPPU Use Only - NDDDB-Listed Species Determination # 1736]

**New Safe Harbor Determination** (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities  
 *Renewal/Extension* of an existing Safe Harbor Determination  
 With modifications  
 Without modifications (no attachments required)

[CPPU Use Only - NDDDB-Safe Harbor Determination # 1736]

Enter NDDDB Determination Number for Renewal/Extension:

Enter Safe Harbor Determination Number for Renewal/Extension:

## Part II: Requester Information

*\*If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the name shall be stated **exactly** as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of the State's database CONCORD. ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))*

*If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

*If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the [Request to Change company/Individual Information](#) to the address indicated on the form.*

### 1. Requester\*

Company Name: **University of Connecticut**

Contact Name: **Katie D. Milardo**

Address: **31 LeDoyt Road, Unit 3055**

City/Town: **Storrs**

State: **CT**

Zip Code: **06269**

Business Phone: **860-486-3476**

ext.

\*\*E-mail: **katie.milardo@uconn.edu**

\*\*By providing this email address you are agreeing to receive official correspondence from the department, at this electronic address, concerning this request. Please remember to check your security settings to be sure you can receive emails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes

#### a) Requester can best be described as:

Individual       Federal Agency       State agency       Municipality       Tribal

\*business entity (\* if a business entity complete i through iii):

i) Check type     corporation       limited liability company       limited partnership  
                          limited liability partnership       statutory trust       Other:

ii) Provide Secretary of the State Business ID #:                      This information can be accessed at the Secretary of the State's database (CONCORD). ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))

iii)  Check here if your business is **NOT** registered with the Secretary of State's office.

#### b) Acting as (Affiliation), pick one:

Property owner       Consultant       Engineer       Facility owner       Applicant

Biologist       Pesticide Applicator       Other representative:

### 2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company Name: **same as above**

Contact Person:

Title:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

\*\*E-mail:

### Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

<p><b>1. SITE NAME AND LOCATION</b></p> <p>Site Name or Project Name: <b>Mirror Lake and Swan Lake, University of Connecticut</b></p> <p>Town(s): <b>Storrs</b></p> <p>Street Address or Location Description: <b>Swan Lake is located SW of the intersection of North Eagleville Road and Glenbrook Road. Mirror Lake is located NW of the intersection of Storrs Road (Rt.195) and Mansfield Road.</b></p> <p>Size in acres, or site dimensions: <b>Swan Lake is ~2 acres; Mirror Lake is ~5 acres</b></p> <p>Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):</p> <p>Latitude: <b>Swan: 41.8109/Mirror: 41.80699</b>                      Longitude: <b>Swan: -72.25245/ Mirror:-72.24729</b></p> <p>Method of coordinate determination (check one):</p> <p><input type="checkbox"/> GPS    <input type="checkbox"/> Photo interpolation using <a href="http://CTECO.mapviewer.com">CTECO map viewer</a>    <input checked="" type="checkbox"/> Other (specify): <b>www.getlatlong.com</b></p> <p>2a. Describe the current land use and land cover of the site.</p> <p><b>Ponds on the UConn Storrs campus</b></p> <p>b. Check all that apply and enter the size in acres or % of area in the space after each checked category.</p> <table><tr><td><input type="checkbox"/> Industrial/Commercial _____</td><td><input type="checkbox"/> Residential _____</td><td><input type="checkbox"/> Forest _____</td></tr><tr><td><input type="checkbox"/> Wetland _____</td><td><input type="checkbox"/> Field/grassland _____</td><td><input type="checkbox"/> Agricultural _____</td></tr><tr><td><input checked="" type="checkbox"/> Water <u>100%</u></td><td><input type="checkbox"/> Utility Right-of-way _____</td><td></td></tr><tr><td><input type="checkbox"/> Transportation Right-of-way _____</td><td><input type="checkbox"/> Other (specify): _____</td><td></td></tr></table>	<input type="checkbox"/> Industrial/Commercial _____	<input type="checkbox"/> Residential _____	<input type="checkbox"/> Forest _____	<input type="checkbox"/> Wetland _____	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____	<input checked="" type="checkbox"/> Water <u>100%</u>	<input type="checkbox"/> Utility Right-of-way _____		<input type="checkbox"/> Transportation Right-of-way _____	<input type="checkbox"/> Other (specify): _____	
<input type="checkbox"/> Industrial/Commercial _____	<input type="checkbox"/> Residential _____	<input type="checkbox"/> Forest _____										
<input type="checkbox"/> Wetland _____	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____										
<input checked="" type="checkbox"/> Water <u>100%</u>	<input type="checkbox"/> Utility Right-of-way _____											
<input type="checkbox"/> Transportation Right-of-way _____	<input type="checkbox"/> Other (specify): _____											

### Part IV: Project Information

<p><b>1. PROJECT TYPE:</b></p> <p>Choose Project Type: Aquatic plant control , If other describe: _____</p>
---

2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint?  Yes  No If yes, explain.

**The activity is for invasive weed and algae control.**

## Part IV: Project Information (continued)

3. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used. Include a description of steps that will be taken to minimize impacts to any known listed species.

**Application of aquatic pesticide by a licensed applicator to control invasive aquatic nuisance plants and algae.**

4. If this is a renewal or extension of an existing Safe Harbor request *with* modifications, explain what about the project has changed.

5. Provide a contact for questions about the project details if different from Part II primary contact.

Name: **Katie D. Milardo**

Phone: **860-486-3476**

E-mail: **katie.milardo@uconn.edu**

## Part V: Request Requirements and Associated Application Types

Check *one* box from either Group 1, Group 2 or Group 3, indicating the appropriate category for this request.

Group 1. If you check one of these boxes, complete Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit, with no modifications

Group 2. If you check one of these boxes, complete Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit application
- Request is associated with modification of an existing permit
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

**Group 3.** If you are requesting a **Safe Harbor Determination**, complete Parts I-VII and submit required attachments A, B, and D. Safe Harbor determinations can only be requested if you are applying for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

If you are filing this request as part of a state or federal permit application(s) enter the application information below.

Permitting Agency and Application Name(s):

DEEP Pesticide Program, permit application for use of pesticides in state waters, DEEP WPED

State DEEP Application Number(s), if known: Permit ID#: AQUA-2013-523wsrev

State DEEP Enforcement Action Number, if known: N/A

State DEEP Permit Analyst(s)/Engineer(s), if known: Valerie Bodner

Is this request related to a previously submitted NDDB request?  Yes  No

If yes, provide the previous NDDB Determination Number(s), if known: 201501138

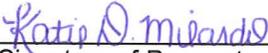
## Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all new requests and Safe Harbor renewals/extensions with modifications.** Renewals/Extensions with no modifications do not need to submit any attachments. Attachments C and D are supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	<b>Overview Map:</b> an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	<b>Detailed Site Map:</b> fine scaled map showing site boundary and area of work details on aerial imagery with relevant landmarks labeled. (Site and work boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	<b>Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C)</b> <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input checked="" type="checkbox"/> Section ii: Supplemental Project Information and supporting documents
<input type="checkbox"/> Attachment D:	<b>Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)</b>

## Part VII: Requester Certification

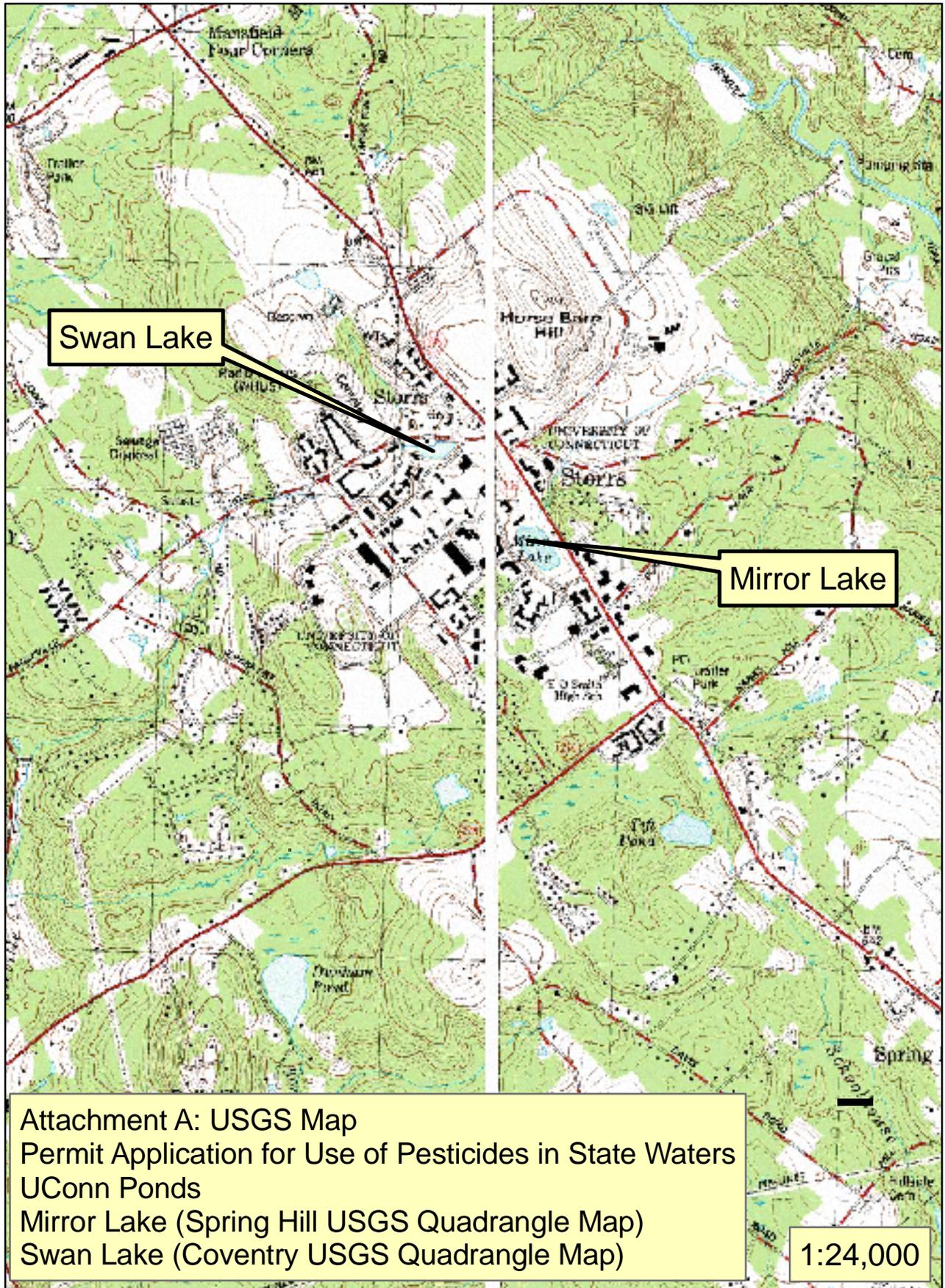
The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
 Signature of Requester (a typed name will substitute for a handwritten signature)	<b>10/30/15</b> Date
<b>Katie D. Milardo</b> Name of Requester (print or type)	<b>Enviro Compliance Analyst</b> Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

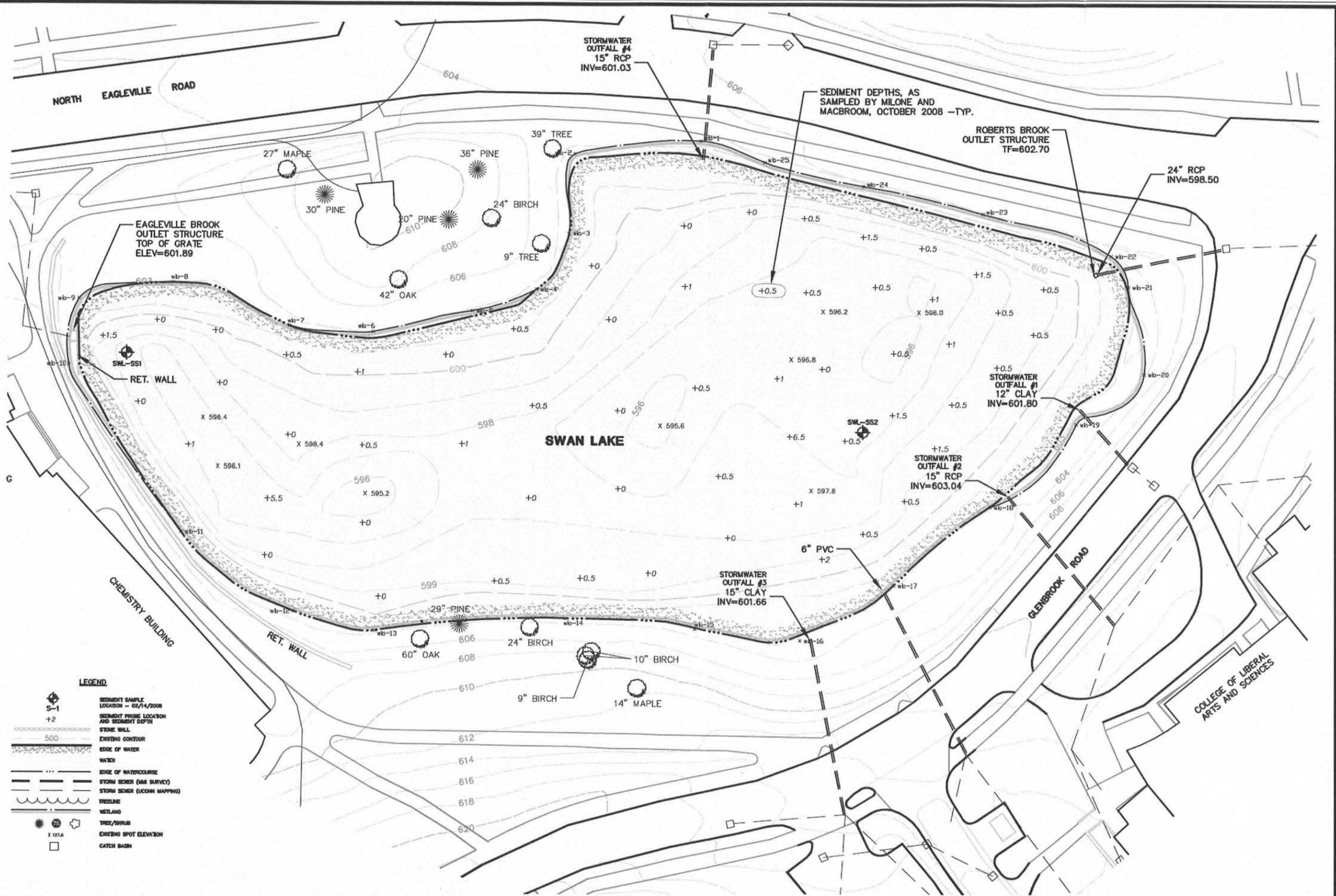
Or email request to: [deep.nddbrequest@ct.gov](mailto:deep.nddbrequest@ct.gov)



Attachment A: USGS Map  
Permit Application for Use of Pesticides in State Waters  
UConn Ponds  
Mirror Lake (Spring Hill USGS Quadrangle Map)  
Swan Lake (Coventry USGS Quadrangle Map)

1:24,000

Drawing: H:\1958-12\DWG\CURRENT\12-3856.DWG Layout: T08-11-3 SWAN



**LEGEND**

- SEDIMENT SAMPLE LOCATION - 03/14/2008
- SEDIMENT PROBE LOCATION AND SEDIMENT DEPTH
- STONE WALL
- EXISTING CONTOUR
- EDGE OF WATER
- WATER
- EDGE OF WATERCOURSE
- STORM SEWER (MAP SURVEY)
- STORM SEWER (LOCAN MAPPING)
- FRETZLINE
- WETLAND
- TREE/SHRUB
- EXISTING SPOT ELEVATION
- CATCH BASIN



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**REVISIONS**

NO.	DESCRIPTION

**SWAN LAKE EXISTING CONDITIONS**  
**UNIVERSITY OF CONNECTICUT**  
**MIRROR AND SWAN LAKE SEDIMENT REMOVAL**  
**UNIVERSITY OF CONNECTICUT AT STORRS**  
**STORRS, CONNECTICUT**

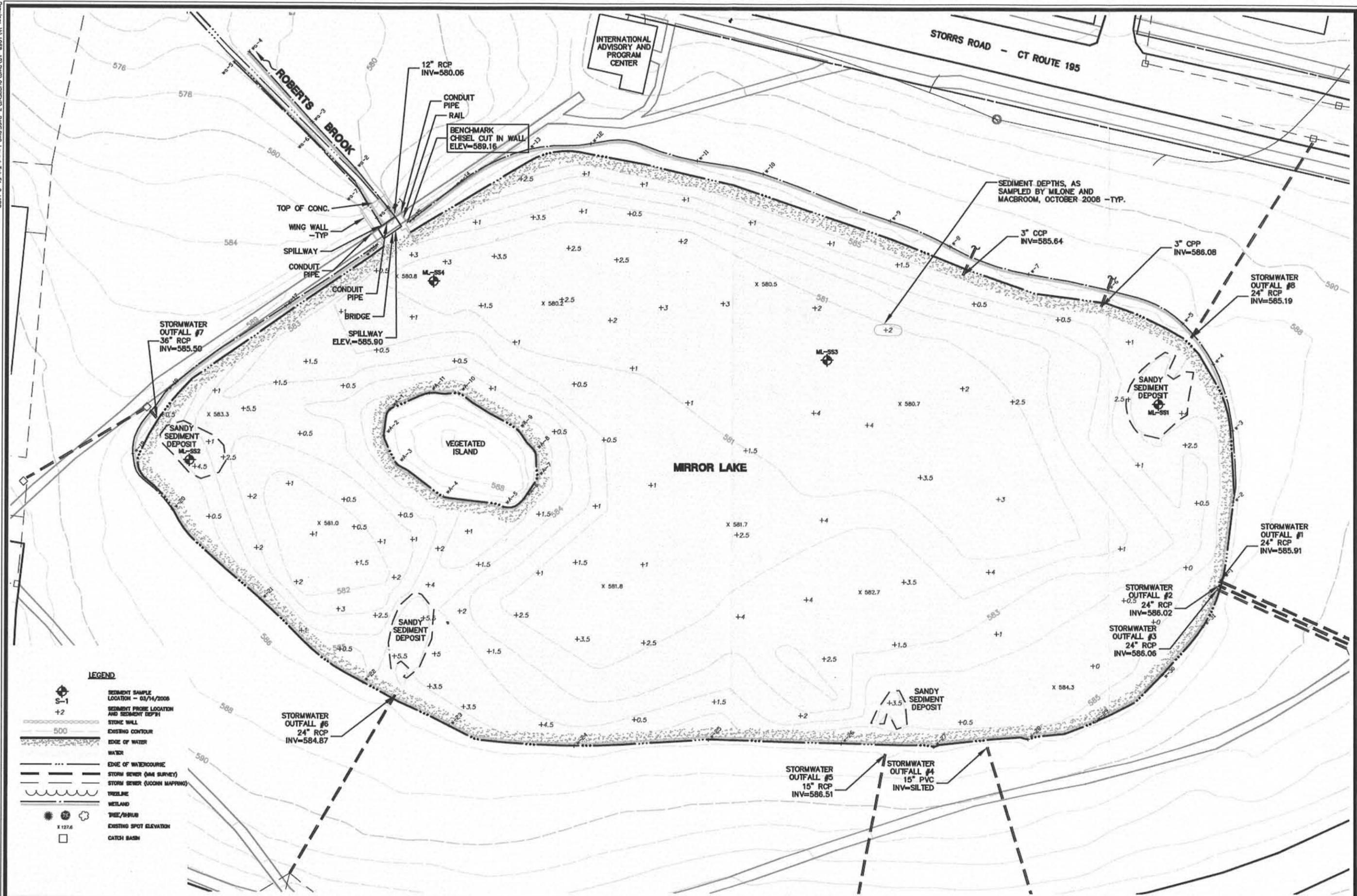
DESIGNED	JCM	JAG
DRAWN		
SCALE	<b>1"=50'</b>	
DATE	<b>DEC. 2008</b>	
PROJECT NO.	<b>1958-12</b>	

**FIG. 1-3**

Printed by: JAMES On the date: Mon, 2009 January 12 - 5:09pm

Drawing: H:\1958-12\DWG\CURRENT\2-585E.DWG Layout: Table1 - 2.MXD

Plotted by: JAL/ESM On this date: Mon, 2009 January 12 - 5:09pm



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 www.miloneandmacbroom.com

NO.	DATE	DESCRIPTION

**MIRROR LAKE EXISTING CONDITIONS**  
 UNIVERSITY OF CONNECTICUT  
 MIRROR AND SWAN LAKE SEDIMENT REMOVAL  
 UNIVERSITY OF CONNECTICUT AT STORRS  
 STORRS, CONNECTICUT

DESIGNED	JCM	JAG
DRAWN		
SCALE	1"=80'	
DATE	DEC. 2008	
PROJECT NO.	1058-12	

**FIG. 1-2**

# Attachment C: Supplemental Information, Group 2 requirement

## Section i: Supplemental Site Information

### 1. Existing Conditions

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

Mirror Lake has a surface water area of approximately 5 acres. The earthen dam that impounds this water body is approximately 10 feet in height and has a concrete spillway. The dam and spillway are located along the northern portion of the lake. Mirror Lake is hydrologically supported by Roberts Brook, groundwater discharges and surface water runoff from abutting upland areas. Mirror Lake has eight (8) stormwater outfalls. Swan Lake has a surface water area of approximately 2 acres. The lake is hydrologically supported by ground water and surface water runoff from abutting upland areas. Swan Lake has seven (7) primary stormwater outfalls that discharge to it. Swan Lake overflow via two outlets. The first is located along the northeastern side of the pond and consists of a raised metal grate structure. Pond overflow discharges into this outlet structure and is conveyed under Glenbrook Road and Route 195. This discharge empties into Roberts Brook near Valentine Meadow. The second outlet structure is located along the northwest portion of the lake and consists of a raised concrete weir structure with a metal grate. The weir elevation is higher than the northeast outlet and is active only during higher flows. This outlet discharges into a 48-inch RCP to Eagleville Brook.

- Site Photographs (optional) attached
- Site Plan/sketch of existing conditions attached

### 2. Biological Surveys

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species  Yes  No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDDB survey forms.

Biologist(s) name: \_\_\_\_\_

Habitat and/or species targeted by survey: \_\_\_\_\_

Dates when surveys were conducted: \_\_\_\_\_

- Reports of biological surveys attached
- Documentation of biologist's qualifications attached
- [NDDDB Survey forms](#) for any listed species observations attached

## Section ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

Aquatic pesticides would be applied in June-October.

2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

**No changes to existing conditions are proposed. Therefore, no annotated site plans are attached.**

**Annotated Site Plan attached**

## Attachment D: Safe Harbor Report Requirements

Submit a report, as Attachment D, that synthesizes and analyzes the information listed below. Those providing synthesis and analysis need appropriate qualifications and experience. A request for a safe harbor determination shall include:

**1. Habitat Description and Map(s), including GIS mapping overlays, of a scale appropriate for the site, identifying:**

- wetlands, including wetland cover types;
- plant community types;
- topography;
- soils;
- bedrock geology;
- floodplains, if any;
- land use history; and
- water quality classifications/criteria.

**2. Photographs** - The report should include photographs of the site taken from the ground and also all reasonably available aerial or satellite photographs and an analysis of such photographs.

**3. Inspection** - A visual inspection(s) of the site should be conducted, preferably when the ground is visible, and described in the report. This inspection can be helpful in confirming or further evaluating the items noted above.

**4. Biological Surveys** - The report should include all biological surveys of the site where construction activity will take place that are reasonably available to a registrant. A registrant shall notify the Department's Wildlife Division of biological studies of the site where construction activity will take place that a registrant is aware of but are not reasonably available to the registrant.

**5. Based on items #1 through 4 above, the report shall include a Natural Resources Inventory of the site of the construction activity.** This inventory should also include a review of reasonably available scientific literature and any recommendations for minimizing adverse impacts from the proposed construction activity on listed species or their associated habitat.

**6. In addition, to the extent the following is available at the time a safe harbor determination is requested, a request for a safe harbor determination shall include and assess:**

- Information on Site Disturbance Estimates/Site Alteration information
- Vehicular Use
- Construction Activity Phasing Schedules, if any; and
- Alteration of Drainage Patterns



January 7, 2016,

Eric M. Trott  
Town Manager  
Town of Coventry  
1712 Main Street  
Coventry, CT 06238

Jennifer Kaufman  
Town Manager  
Town of Mansfield  
10 South Eagleville Road  
Mansfield, CT 06268

CT DEEP Grants to Municipalities for the control of Aquatic Invasive Species.

Dear Mr. Trott and Ms. Kaufman,

I am writing to inform you that the proposal submitted on behalf of the Town of Coventry and Mansfield titled "*Eagleville Lake Fanwort Management Project*" has been selected to receive funding through the Department of Energy and Environmental Protection's (DEEP) Grants to Municipalities for the Control of Aquatic Invasive Species Program. Congratulations on the selection of your project for funding, as the application process was extremely competitive. There were several strong proposals, and total requests for funding exceeded \$197,000, although only \$121,000 is available.

Prior to the disbursement of your funds, you must agree to the following conditions:

- Any and all unused grant funds must be returned to DEEP.
- A complete and comprehensive report must be filed with DEEP at the completion of the project. Additionally, awardees may be required to submit updates on project progress to DEEP.
- A more detailed update and reporting schedule will be provided in a Personal Service Agreement (PSA).
- Any other conditions of approval will be provided in the PSA.

Your project will be funded in the amount of \$13,000.00. You will receive a copy of the Personal Service Agreement and other information in the near future. However, before your PSA can be

completed, DEEP will review your submittal to ensure that you have provided all required documentation (NDDDB sheet, signature resolution, etc.) and staff will contact you should any materials be needed.

Once you receive the PSA, please review it carefully, as it contains the legal requirements and conditions for the grant, including any modifications and stipulations.

After receiving the signed PSA, DEEP will process your award. If you determine that you cannot provide some of the required documentation in a timely manner, that your funding requirements have been reduced due to a change in the scope, or if you have any questions about how to properly complete the PSA, please contact Bill Foreman at 860-424-3868 as soon as possible to discuss the issue.

Again, congratulations, and I wish you the best of luck with your project.

Sincerely,

A handwritten signature in cursive script that reads "Susan Whalen".

Susan Whalen  
Deputy Commissioner

SW/wjf