

**AGENDA**  
**Regular Meeting**  
Mansfield Conservation Commission  
Wednesday, September 16, 2015  
Audrey P. Beck Building  
Conference Room B  
7:30 p.m.

1. Call to Order
2. Roll Call
3. Opportunity for Public Comment
4. Minutes
  - July 15 2015 Regular Meeting
5. New Business
  - a. IWA Referrals:
    - W1556 – T. Wassenberg, Intersection of Woodland Road and Wildwood Road, 2 lot subdivision
    - W1557 – C. L. Niarhakos, 101 East Road, 3 lot re- subdivision
  - b. Election of Officers
  - c. Annual Report
  - d. Other
6. Continuing Business
  - Review of Monitoring Procedures for Town-Owned Easements
  - Mansfield Tomorrow | Our Plan ▶ Our Future
  - Town of Coventry/ Mansfield Control of Fanwort in Eagleville Lake
  - UConn Agronomy Farm Irrigation Project
  - Other
7. Communications
  - Minutes
    - Open Space: July & August Meetings Cancelled
    - PZC: 8/3/15
    - IWA: 8/3/15
  - 2014 UConn Water Quality Report
  - 7/25/15 Department of Transportation Application to CT DEEP for Replacement of Bridge No. 02866, Route 275 over Willimantic River, (Full Application is included in the scanned online version)
  - August 15 letter from Connecticut Association of Conservation and Inland Wetlands Commissions, Inc.
  - The Habitat – Summer 2015
8. Other
9. Future Agendas
10. Adjournment

Town of Mansfield  
CONSERVATION COMMISSION  
Meeting of 15 July 2015  
Conference B, Audrey P. Beck Building  
(draft) MINUTES

*Members present:* Aline Booth (Alt.), Joan Buck (Alt.), Neil Facchinetti, Scott Lehmann, Grant Meitzler, Michael Soares. *Members absent:* Robert Dahn, Quentin Kessel, John Silander. *Others present:* Shatki Lane, Roger Lapierre, Brenda Shaw (Storrs Friends Meeting).

1. The meeting was called to order at 7:31p by Neil Faccinetti in the absence of Chair Quentin Kessel. Alternates Booth & Buck were designated voting members for this meeting. The agenda was reordered to accommodate visitors from Storrs Friends Meeting regarding W1554.

2. IWA referrals.

a. W1554 (Storrs Friends Meeting, 57 Hunting Lodge Rd). Brenda Shaw of the Storrs Friends Meeting (SFM) described the proposed project, locating its components on a large site map produced by Towne Engineering. SFM proposes to upgrade two parking lots. The lower one, adjacent to Eagleville Brook would be slightly raised, graded, and paved so that storm-water would drain away from the brook into a rain garden (instead of directly into the brook, as it does now). In unusually heavy rains, water from the lot would flow into the rain garden, seep into the soil, and enter the brook via an underground drain. The upper parking lot, adjacent to a wetland, would be enlarged and reconfigured to add two handicapped spaces; it would be graded and paved so that runoff is directed to an infiltration basin between the lot and the wetland. Booth, noting that the property is in a flood zone, asked whether the project was, in consequence, subject to any special requirements. Ms. Shaw indicated that DEEP had determined that it would meet whatever conditions the State imposes on development in flood zones. (The bioretention system was designed by UConn's Mike Dietz under a DEEP grant.) After some discussion, the Commission agreed unanimously (motion: Booth, Buck) that:

If the project is carried out as described in the application, the Commission expects that it will have no significant negative impact on wetlands and indeed that it should reduce the impact of storm-water runoff from the facility's parking lots on adjacent wetlands, including Eagleville Brook.

Ms. Lane, Mr. Lapierre, & Ms. Shaw left the meeting. The Commission took up item 3 below before returning to IWA referrals

b. W1553 (Hanka, 225 Mulberry Rd). The applicants propose to install a 21-ft diameter above-ground pool about 55 ft from wetlands. The site slopes toward wetlands and will need to be leveled, but the whole job would probably take no more than one day, according to Meitzler. Facchinetti asked about the wetlands impact of the pool's water draining into the wetland, should the pool structure fail catastrophically. Meitzler said that DEEP does not consider pool water a threat to wetlands: the concentration of chlorine is very low and what there is dissipates rapidly. The Commission then unanimously agreed (motion: Soares, Buck) that no significant impact on wetlands is to be expected from this project, provided standard erosion controls remain in place during construction and until the area is stabilized.

3. The draft minutes of the 17 June meeting, with the correction of two typos noted by Meitzler,

were approved.

4. Water Systems Advisory Committee. Buck reported on the 24 June meeting of the Water Systems Advisory Committee, which receives information about the project to deliver Connecticut Water Company (CWC) water to Mansfield & UConn and may comment on aspects of this project to CWC and PZC/IWA through Town Planner Linda Painter.

- The DEEP has issued its final water diversion permit for the project. {A public information session on the permit was held on 30 June in the Council Chambers.}
- Installation of the water main will start with the final segment: from St. Paul's church on Rte. 195 to UConn's intake at W-lot and to Jensen's mobile park on Rte. 44.
- Information about the project is posted online at [www.CTWater.com/Projects](http://www.CTWater.com/Projects), where updates via email or text message may be requested.
- Tom Callahan announced that the steering committee for the State's water planning process would meet in open session on 30 June at UConn.

5. Fines for wetlands violations? Jennifer Kaufman's 29 June memo to IWA notes that Mansfield has no fines for violations of wetlands regulations (such as failure to secure a permit from IWA for work in the regulated area). Should there be? Booth thought there should be some fine for non-compliance, lest regulations be ignored. Facchinetti observed that fines could discourage reporting violations by people who acted in ignorance of regulations; fines should not punish self-reporting of violations. Meitzler suggested that establishing fines could change the nature of the Wetlands Agent's job from facilitating compliance to enforcing it – not a change he would have welcomed when he served as Wetlands Agent. Lehmann described lack of some sort of fine as unfair to those who play by the rules; if there is no fine, there is no disincentive for just ignoring regulations and proceeding with any project, including those that would not have been approved by the IWA. Soares suggested a discretionary fine of up to twice the permit fee for work done without a permit (or not complying with the terms thereof).

6. Eagleville Lake fanwort control. The herbicide treatment scheduled for 24 June was postponed to 07 July by heavy rain that would have quickly flushed it from the reservoir.

7. Adjourned at 8:26p. Next meeting: 7:30p, Wednesday, 19 August 2015.

Scott Lehmann, Secretary, 17 July 2015.



# Town of Mansfield

## Inland Wetlands Agency

Date: June 29, 2015  
To: Mansfield Inland Wetlands Agency  
From: Jennifer Kaufman, Inland Wetlands Agent  
Subject: Monthly Business Report

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### Mansfield Auto Parts - Route 32

On July 29, 2015, I monitored the site and there were no cars or automobile parts that could may contain oil or other fluids located within 25 feet of the wetlands.

### 77 Forest Road

At your last meeting, Agent Plante asked me to investigate some debris that may have been placed in the wetlands at 77 Forest Road. On July 9, 2015, I walked property with Christopher Kueffner. I determined that tree debris/brush had been deposited in the wetlands on the southerly portion of this property. While the clearing of a field in the upland review area is a permitted as of right activity under Section 4.0 of the Regulations, the filling of wetlands is not permitted as of right.

The property owner was sent a Notice of Violation. He was informed that by July 31, 2015, the deposited material must be moved at least 15 feet from the edge of wetlands and silt fence is to be installed 5 feet from the edge of wetlands. He was also informed that the area between the brush pile and the silt fence are to be stabilized by over seeding with a conservation mix or a cover crop and that the silt fence shall not be removed until this area is stabilized. Further, per section 14.B of the Regulations, he was informed that failure to carry out the actions in this Notice of Violation may result in an issuance of the order provided in Section 14.3.A. It was also recommended that he plant a cover crop on the whole field to improve soil health of the field.

### Establishing Fines for Wetlands Violations

At your last meeting you agreed that staff should begin working on establishing fines or increased application fees for wetlands violations. Unless IWA would like to have this occur sooner, staff will begin this project in the fall after the Plan of Conservation and Development and zoning regulations have been completed.



TOWN OF MANSFIELD  
INLAND WETLAND AGENCY

Jennifer Kaufman  
Natural Resources and  
Sustainability Coordinator  
Inland Wetlands Agent

4 South Eagleville Road  
Storrs/Mansfield, Connecticut 06268  
860-429-3015 x6204 (direct)  
KaufmanJS@MansfieldCT.org

July 9, 2015

Re: Notice of Wetlands Violation (Assessor's Parcel Id 7.13.11-B)

Christopher Kueffner  
Field and Forest LLC  
192 Ravine Road  
Storrs-Mansfield, CT 06268

Dear Chris:

On July 9, 2015, you and I walked property located on 77 Forest Road and I determined tree debris/brush had been deposited in the wetlands on the southerly portion of this property, which is a violation of Mansfield's Inland Wetlands and Watercourses Regulations (the Regulations). Pursuant to Section 4.2 of the Regulations, "All activities in wetlands or watercourses and upland review areas involving filling, excavating, dredging, clear cutting, clearing, or grading or any other alteration or use of a wetland or watercourse not specifically permitted by this section and otherwise defined as a regulated activity by these regulations. While the clearing of a field in the upland review area is a permitted as of right activity under Section 4.0 of the Regulations, the filling of wetlands is not permitted as of right.

By July 31, 2015, the deposited material must be moved at least 15 feet from the edge of wetlands and silt fence shall be installed 5 feet from the edge of wetlands. The area between the brush pile and the silt fence shall be stabilized by over seeding with a conservation mix or a cover crop. The silt fence shall not be removed until this area is stabilized. Per section 14.B of the Regulations, failure to carry out the actions in this Notice of Violation may result in an issuance of the order provided in Section 14.3.A. It is recommended that you plant a cover crop on the whole field to prevent to improve soil health of the field.

Please contact me at 860-420-3015x6204 or via email at [KaufmanJS@MansfieldCT.org](mailto:KaufmanJS@MansfieldCT.org) if you have questions or need further information.

Sincerely,

  
Jennifer Kaufman  
Inland Wetlands Agent

Copy: Inland Wetland Agency



# Town of Mansfield

## Inland Wetlands Agency

Date: September 2, 2015  
To: Mansfield Inland Wetlands Agency  
From: Jennifer Kaufman, Inland Wetlands Agent  
Subject: Monthly Business Report

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### Mansfield Auto Parts - Route 32

On September 2, 2015, I monitored the site and there were no cars or automobile parts that could may contain oil or other fluids located within 25 feet of the wetlands.

### Agent Approvals

None

PAGE  
BREAK



# Department of Planning and Development

Date: September 1, 2015  
To: Mansfield Inland Wetlands Agency  
From: Jennifer Kaufman, Inland Wetlands Agent  
Subject: Receipt of New Application for Wetlands License  
Westside of Woodland Road (parcel id 18.66.1-A and 18.66.1-B) (IWA File #W1556)  
T. Wassenberg  
Description of work: 2 single family homes

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## Project Description

The applicant proposes to construct two, single family, three bedroom dwellings with onsite wells and septic systems. An inland wetland license (File # W1373) for these activities was issued in 2007 as part of the subdivision process. However, the application expired in 2012. The applicant proposes to complete the activities as proposed in the initial wetlands application approved in 2007. Site grading is proposed 25 feet from the edge of wetlands on parcel 18.66.1-A. On parcel 18.66.1-B the closest activity to wetlands is 95 feet for the installation of a septic system.

- 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 not been identified on the property.

## Receipt Motion

\_\_\_\_\_ MOVES, \_\_\_\_\_ seconds to receive the application submitted by T. Wassenberg (IWA File #W1556) under the Wetlands and Watercourses Regulations of the Town of Mansfield for 2 single family homes on property located at Westside of Woodland Road (parcel id



## Department of Planning and Development

18.66.1-A and 18.66.1-B) as shown on a map dated 2/28/2007 and revised through 6/25/2007 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 THERESA FREDERICKA WASSENBERG

Mailing Address 680 MIDDLE TURNPIKE

STORRS, CT Zip 06268

Phone 860-810-6656 Email rikke.wassenberg@yahoo.com

Title and Brief Description of Project

SUBDIVISION PLAN - FORMERLY SUBMITTED BY WILLIAM LUKAS III

TWO LOT RESIDENTIAL DEVELOPMENT 7.44 ACRES [WOODED]

Location of Project WEST SIDE OF WOODLAND ROAD 200 SOUTH OF  
INTERSECTION OF WILD WOOD ROAD

Intended Start Date ASAP

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

Name SAME

Mailing Address SAME

Zip \_\_\_\_\_

Phone SAME 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) 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

SEE ATTACHED

1) July 3, 2007 IWA approval motion attached File# C W-1373

2) PROJECT DESCRIPTION

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

0' ZERO WETLANDS/WATER COURSE DISTURBANCE

40,000  WETLANDS DISTURBANCE

3) Describe the type of materials you are using for the project: EXISTING TOPSOIL  
EXISTING FINE SANDY LOAM

- a) include type of material used as fill or to be excavated FILL - BANK RUN GRAVEL SEPTIC SAND
- b) include volume of material to be filled or excavated FILL - 1800  $\pm$  CUBIC YARDS  
EXCAVATED .500 CUBIC YARDS

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).

SILT FENCE, ANTI TRACK PADS - STOCK PILE AREAS WITH SILT FENCE AND LARGE DISTANCE FROM WETLANDS TO REDUCE RUNOFF

Part D - Site Description

Describe the general character of the land. (Hilly? Flat? Wooded? Well drained? etc.)

SLOPING LOGGED LIGHTLY WOODED

TOWN OF MANSFIELD  
INLAND WETLAND AGENCY

AUDREY P. BECK BUILDING  
FOUR SOUTH EAGLEVILL ROAD  
STORRS, CT 06268  
(860) 429-3330

July 3, 2007

William Lukas III  
90 Wildwood Road  
P.O. Box 179  
Storrs, CT 06268

Re: Mansfield's IWA approval for a two lot residential subdivision  
IWA file #1373

Dear Mr. Lukas,

At a meeting held on 7/2/07, the Mansfield Inland Wetland Agency adopted the following motion:

"to grant an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield to William Lukas III (file W1373), for a two lot residential subdivision, on property owned by the applicants located on the west side of Woodland Road about 200 feet south of Wildwood Road, as shown on a map with a date revised through 6/25/07, and as described in other application submissions. This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

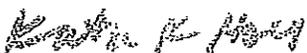
1. Appropriate erosion and sedimentation controls (as shown on the plans) shall be in place prior to construction and maintained during construction and removed when disturbed areas are completely stabilized;
2. Maps shall not be signed until all DEP permit requirements have been addressed;
3. Final plans shall include details for rip-rap protection at the pipe outlet on Lot 1-B. A copy of said final plans shall be submitted to the Wetlands Agent after the Planning and Zoning Commission has acted and before any activity on the site begins.
4. Final plans shall state that each house is to be limited to three (3) bedrooms at the maximum.

This approval is valid for a period of five years (until 7/02/2012), 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."

If you have any questions regarding this action, please call the Planning Office at 429-3330.

This letter constitutes your license.

Very truly yours,



Katherine K. Holt, Secretary  
Mansfield Inland Wetland Agency

TOWN OF MANSFIELD  
INLAND WETLAND AGENCY

AUDREY P. BECK BUILDING  
FOUR SOUTH EAGLEVILL ROAD  
STORRS, CT 06268  
(860) 429-3330

July 3, 2007

William Lukas III  
90 Wildwood Road  
P.O. Box 179  
Storrs, CT 06268

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IWA file #1373

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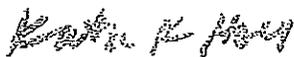
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This letter constitutes your license.

Very truly yours,



Katherine K. Holt, Secretary  
Mansfield Inland Wetland Agency

Subdivision Septic Design Criteria  
Prepared for: William Lukas III  
Woodland Road  
Mansfield, CT

Parcel 'A'  
Septic System Design  
Infiltrator – Quick 4

3 Bedroom House

Leaching Area Required = 675 S.F.

Leaching Area Provided = 716.8 S.F.

Use 1 Row of (4.33' x 6' Wx 12'H) Infiltrator Quick 4 (DBL) (121.5' Long)

Effective Leaching Area – 5.9 Sq. Ft/LF

Plus 100% Reserve Area

Use A Minimum 1000 Gal. Septic Tank

Percolation Rate = 10.1 to 20.0 Min/Inch

Restrictive Layer @ 20" TH #1

Design Based on TH#1 Mottles @ 20" - % Slope = 3%

MLSS = HFxFFxPF

54 x 1.5 x 1.5 = 121.5

Parcel 'B'  
Septic System Design  
Infiltrator – 3050

3 Bedroom House

Leaching Area Required = 495 S.F.

Leaching Area Provided = 511 S.F.

Use 1 Row of (4.3' x 6' x 1'H) Infiltrator Quick 4 (DBL) (86.6' Long)

Effective Leaching Area – 5.9 Sq. Ft/LF

Plus 100% Reserve Area

Use A Minimum 1000 Gal. Septic Tank

Percolation Rate = 5 to 10 Min/Inch

Restrictive Layer @ 30" TH #6

Design Based on TH#6 Till @ 30" 54\*2

\*1.5

- % Slope = 8%

MLSS = HFxFFxPF

28 x 1.5 x 1.5 = 63

# PART C - PROJECT DESCRIPTION

- 1) Construction of two (2) single family, three (3) bedroom dwellings with onsite wells and septic and associated utilities and grading. No septic systems are closer than 80', grading and clearing (latterly) within 25'.
- 2) Parcel 'A' will disturb 22,000 square feet of lightly wooded, sloping land for both house, septic, lawn, and driveway. Approximately 250 C.Y.S. materials to be removed from the dwelling foundation and approximately 600 C.U. of fill material will be spread around dwelling and drive, including septic fill. All topsoil will be spread over disturbed areas, seeded and mulched. Zero wetland disturbance, 22,000 square feet of uplands disturbed.  
  
Parcel 'B' will disturb 18,000 square feet of wooded, sloping land for both house, septic, lawn, and driveway. Approximately 250 C.Y.S. materials to be removed from the dwelling foundation and approximately 600 C.Y.S. of fill material will be spread around dwelling and drive, including septic fill. All topsoil will be spread over disturbed areas, seeded and mulched. Zero wetland disturbance, 18,000 square feet of uplands disturbed.
- 3) Both parcels slope to the wetlands. However, a minimum of 90' is maintained on Parcel 'B'.
- 4) This is the best alternative for this parcel.
- 5) Construction will be done with a medium excavator, a small rubber tired backhoe, and small bulldozer. Sales will be based on economy; hopefully, all construction to be done by fall of 2008.
- 6) Prior to any construction, clearing limit will be staked by a land surveyor licensed by the State of Connecticut. Silt fence and/or hay bales to be put in place and maintained throughout the construction process.
- 7) In 1985, a Planning & Zoning special permit for fill was applied for. In 2003, a similar wetlands application was submitted, but withdrawn for personal reasons.

**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.

THIS DEVELOPMENT HAS KEPT DISTURBANCE WITHIN THE REGULATED AREA TO A MINIMUM BY PROPOSING THREE BEDROOM DESIGNS AND MINIMUM FILL AROUND REAR OF DWELLINGS.

**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 6-25-2007

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 SEE ATTACHED 4A

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.

## ABITTING PROPERTY OWNERS

1. MICACCI ET AL & MARY ALBINO REVOCABLE TRUST  
1510 CHAMBERLAIN HIGHWAY  
BERLIN, CT 06037
2. RALPH C. & DEBRA D. MANSELL  
101 WOODLAND ROAD  
STORRS, CT 06268
3. LISA T. STIEPOCK & ALLAN MACKAY  
116 WILDWOOD ROAD  
MANSFIELD, CT 06268
4. ARTHUR L. GANDELMAN  
2026 LINCOLN B  
BOCA RATON, FLORIDA 33434
5. CHARLES B. SNIFFIN JR. AND JANETTE L SNIFFIN  
90 WILDWOOD ROAD  
STORRS, CT 06268

ALSO SENT TO  
P.O. BOX 2004  
VERNON/ROCKVILLE, CT  
06066

**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  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  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  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**

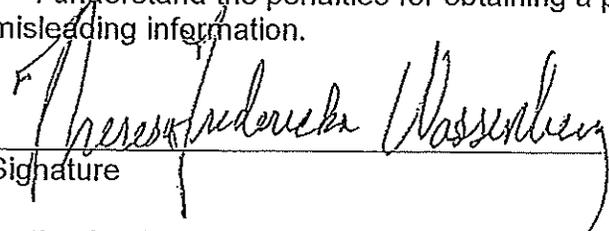
Application fees shall be in accordance with the current Mansfield Code of Ordinance fee Schedule, pursuant to Section 8-1c of the Connecticut General Statutes. The fee schedule includes provisions for applicant-funded consultant studies and reports. The current fee schedule is available in the Planning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

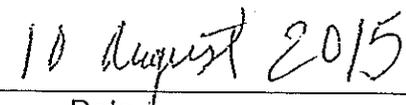
*Note: The Agency may require additional information about the upland review area or about wetlands or watercourses affected by the regulated activity. If the Agency, upon review of your application, finds the activity proposed may involve a "significant activity" as defined in the Regulations, additional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

**Certification**

I hereby certify that:

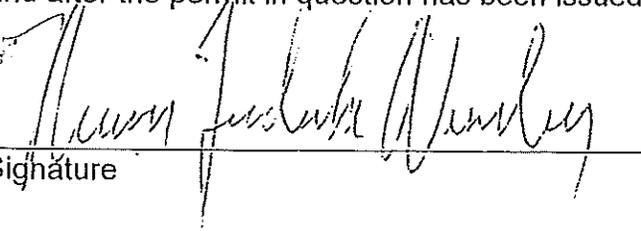
- I am familiar with the information contained in this form and that such information is true and correct to the best of my knowledge.
- I understand the penalties for obtaining a permit through deception or through inaccurate or misleading information.

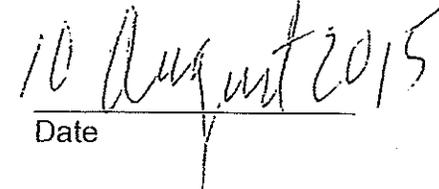
  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
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.

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Date

12/1/12

# MANSFIELD INLAND WETLAND AGENCY

## ABUTTER NOTIFICATION FORM

to be sent by Certified Mail

<https://www.usps.com/ship/insurance-and-extra-services.htm>

Pursuant to Mansfield's Inland Wetland Agency notification requirements, abutting property owners are hereby notified of a wetland application pending before the Inland Wetland Agency. The complete file for this application is available for review in the Planning Office. Questions regarding the application or application review process may be addressed by calling the Planning Office at (860) 429-3330 or emailing at [www.PlanZoneDept@mansfieldct.org](mailto:www.PlanZoneDept@mansfieldct.org)

I. Public Hearing/Meeting Dates:

08 SEPTEMBER 2015 (application received)  
Date/Time of Next Scheduled Meeting 05 October 2015 (agency action)

At the above listed scheduled meeting date the Wetland application will be received by the Agency. No presentation by the applicant will be given at this meeting. Public comment (written or verbal) is encouraged to be presented at the next regularly scheduled meeting. For more details (date and time) of the next meeting, please contact the Planning Office at (860)429-3330.

II. Location of Proposal: West side of Woodland Road, 200' south of  
Intersection of Wildwood Rd

III. Applicant: Theresa Fredericka Wassenberg

IV. Owner: same

V. Proposed Use: Resubmittal of Application for 2-lot subdivision  
(Statement of Use/Statement of Justification to be attached) (Application previously approved in 2007)

VI. Map: (Attach 8 1/2x11" or 11x17" map depicting proposal)  
Detailed map in Planning Office

\*Notices are to be sent within 7 (seven) days of the receipt of the application by the office staff. To verify that Notice requirements have been met, applicants are required to submit Certified Mailing receipts and one copy of information mailed to property owners to the Planning Office. Failure to meet Notice requirements or to submit return receipts to the Planning Office promptly may necessitate application processing delays.



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# Town of Mansfield

## Department of Planning and Development

Date: September 2, 2015

To: Mansfield Inland Wetlands Agency

From: Jennifer Kaufman, Inland Wetlands Agent

Subject: 101 East Road (File #W1557)  
C. and L. Niarhakos  
Description of work: 3-lot re-subdivision  
Map Date: 3/30/2015, Revised through 6/21/2015

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### Project Overview

The applicants propose to subdivide a 14.56-acre parcel into 3 lots. There is an existing single family dwelling located on the property and the applicants are proposing 2 new lots for single family dwellings east of the existing house. There are two major forested wetlands on the site. The wetland located on the southwest portion of the property is associated with the existing house lot, and no new activities are proposed here. The wetland that extends from the UConn property south onto the subject property divides lots two and three. Activity associated with the construction of the proposed two new homes will occur in the upland review area. The applicants propose to install a storm water drainage structure at an existing culvert on East Road. This will disturb 82 square feet of wetlands but will improve a damaged headwall at an existing drainage structure which currently poses a safety hazard along East Road. The wetlands in this location are a result of surface drainage.

Previously, the abutting property owners to the east have expressed concern that increased runoff from the proposed subdivision will adversely impact the wetlands. On August 3, 2015, the Agency denied the issuance of an Inland Wetlands License stating that the applicant had not provided sufficient information to allow the Agency to determine that the proposed activities will not have a significant adverse impact on the wetlands or watercourses and that this application is consistent with the Criteria for Decision outlined in Section 10.2 of the Mansfield Inland Wetlands and Watercourses Regulations; the purposes and policies of the Regulations; and Sections 22a-36 to 22a-45, inclusive, of the Connecticut General Statutes as required by Section 10.7 of the Regulations. The Agency stated that that the applicant needed to verify the extent of the upgradient, northerly watershed to demonstrate that the storm water management basins and swales are adequately sized to manage the runoff so as not to adversely impact wetlands. Because of the volume of the material presented on this application previously, staff recommends that the Agency hire an independent consultant to analyze and help the IWA understand the information presented in the application. Pursuant to section 8.6 of Mansfield's Inland Wetlands and Watercourses Regulations, Mansfield's fee schedule authorizes the Agency to hire independent consultants at the expense of an applicant when the Agency deems it necessary to do so.

- 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.
- Natural Diversity Database has been checked and state and/or federal listed species or significant natural communities have not been identified on the property.

#### 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.

#### Receipt Motion

\_\_\_\_\_ MOVES, \_\_\_\_\_ seconds to receive the application submitted by C. and L. Niarhakos (IWA File #1557) under the Inland Wetlands and Watercourses Regulations of the Town of Mansfield for a 3-lot re-subdivision on property located at 101 East Road as shown on a map dated 3/30/2015 and revised through 6/21/2015 and as described in application submissions, refer said application to staff and the Conservation Commission for review and comments, schedule a Public Hearing for November 2, 2015, and authorize staff to solicit proposals from independent consultants so that the Agency may hire one per section 8.6 of the Mansfield Inland Wetlands and Watercourses Regulations.

APPLICATION FOR PERMIT  
MANSFIELD INLAND WETLANDS AGENCY  
4 SOUTH EAGLEVILLE ROAD, STORRS, CT 06268  
TEL: 860-429-3330 OR 860-429-3015x6204  
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 Christopher & Lindsey Niarhakos  
Mailing Address 68 Brookside Lane  
Mansfield Center, CT Zip 06250  
Phone 860-617-5396 Email chris\_niarhakos@hotmail.com  
and/or lindsey.niarhakos@gmail.com

Title and Brief Description of Project  
3 lot subdivision with existing house lot and 2 proposed lots for single family  
dwellings

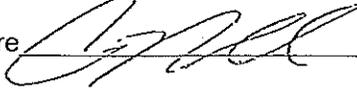
Location of Project 101 East Road

Intended Start Date Fall 2015

**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 8.30.15

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



Part C - Project Description

1)

Lot #1 - existing dwelling - no proposed activity

Lot#2 -

a) no proposed activity with wetland soils

b) proposed dwelling - 61' at its closest point

proposed septic system - 66' at its closest point

proposed reserve septic area - 55' at its closest point

proposed driveway - 108' at its closest point

proposed foundation and curtain drain - 23' at its closest point

proposed storm water/ground water recharge area - 10' at its closest point

Lot #3 -

a) storm water drainage structure at existing culvert

b) proposed dwelling - 82' at its closest point

proposed septic system - 145' at its closest point

proposed reserve septic area - 115' at its closest point

proposed driveway - 4' at its closest point

proposed well - 85' at its closest point

proposed storm water/ground water recharge area - 111' at its closest point

2)

Lot #1 - a) none b) none

Lot #2 - a) none b) 33,000 sq. ft.

Lot #3 - a) 82 sq. ft. b) 33,200 sq. ft.

3)

Gravel fill for driveways, septic sand for septic systems, stone rip-rap at outlets and overflow of proposed storm water/ground water recharge areas.

a) gravel, sand and rip-rap

b) Lot #2 - septic - 100 cu. yds.

driveway - 100 cu. yds.

storm water/ground water recharge area - 270 cu. yds. (to be used on site)

Lot #3 - septic - 15 cu. yds.

driveway - 100 cu. yds.

storm water/ground water recharge area - 200 cu. yds. (to be used on site)

**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.

The proposed house sites were designed to avoid any disturbance of wetland soils on this site.

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**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 – page 6.)

2) Applicant's map date and date of last revision March 30, 2015 & Revised: June 21, 2015

3) Zone Classification RAR-90 (Per Staff Comments)

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, 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. (This is not needed for exemptions).

**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 (attached) 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**

Submit the appropriate filing fee. (Consult Wetlands Agent for the fee schedule available in the Mansfield Inland Wetlands and Watercourses Regulations.)

\_\_\_ \$1,000. X \$750. \_\_\_ \$500. \_\_\_ \$250. \_\_\_ \$125. \_\_\_ \$100. \_\_\_ \$50. \_\_\_ \$25.

X \$60 State DEP Fee = \$810.

*Note: The Agency may require you to provide additional information about the regulated area which is the subject of the application, 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:

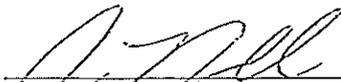
- I am familiar with the information contained in this form and that such information is true and correct to the best of my knowledge.
- I understand the penalties for obtaining a permit through deception or through inaccurate or misleading information.

  
\_\_\_\_\_  
Signature

8.30.15  
\_\_\_\_\_  
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.

  
\_\_\_\_\_  
Signature

8.30.15  
\_\_\_\_\_  
Date

### Project Description Guidelines for Part C – page 3

1. Explain exactly what work you propose to do and how close it will be to a wetland or watercourse.
2. Describe area of disturbance and volume and type of material to be filled or excavated. How much wetlands will be disturbed? Non-wetland areas nearby?
3. Does the area of activity drain toward the wetland?
4. Are there alternatives that you considered but eliminated for specific reasons?
5. Describe briefly the construction methods. What kind of heavy equipment will be used? When will the work be done?
6. How are you protecting the wetlands and watercourses against disturbance that will result from construction?
7. Do you have any knowledge of a previous wetlands application for this property? If yes, please explain.

### Sketch Map or Site Plan Guidelines for Part F – page 4

The following 10 details are required for every application:

1. Applicant's name
2. Date and revision date, if applicable.
3. North arrow and scale of map.
4. Abutting road with road name shown on it.
5. Property lines --if a large property, at least those lines within 200' of the proposed work.
6. Wetland and watercourse locations (including those off your property) within 150' of your proposal--draw a line showing the part of the project that is the closest distance to wetlands and indicate distance in feet.
7. Existing buildings, driveways, well, septic and physical features.
8. Proposed work in detail, including all areas of construction, grading/regrading, excavation, filling. Include stockpiling and staging area locations if applicable. The exact location must be shown of all areas that will be disturbed.
9. Show roof and footing drains by drawing locations.
10. Show location of Erosion & Sedimentation controls (silt fence or hay bale protections) together with any other measures that will protect the wetland/watercourse areas.

Include any available information that may assist the Agency in understanding your proposal.

**YOUR PERMIT, WHEN GRANTED, IS VALID FOR 6 YEARS; ONCE STARTED, WORK MUST BE FINISHED WITHIN THE SPECIFIC TIME PERIOD AS SPECIFIED IN THE APPROVAL MOTION UNLESS OTHERWISE APPROVED. SPECIFIC WRITTEN REQUESTS MUST BE MADE FOR EXTENSIONS OR RENEWALS (See Section 7.9) rev. 12/21/98**

October 1, 2014

To: Datum Engineering  
132 Conantville Road  
Mansfield Center, CT 06250

Subject: East Road, Mansfield, CT Proposed House Lots – Significant Trees

I reviewed 2 proposed house sites at the East Road property. I have visited this site on a number of occasions performing a site assessment. In addition, late this September 2014 I returned in order to assess any trees of significant size or species within the proposed house lots.

The only trees of large diameter, mostly oaks, are found along the right of way on East Road and some on the western boundary near the existing residence.

The proposed house sites are within a thinned woods. Most of the trees are small in diameter with only a couple of trees around 12” in diameter. None were flagged as significant.

September 7, 2014

Site Analysis: 101 East Road, Mansfield, CT

I visited the property several times during the week of 14<sup>th</sup> of April, 2014 and then again in late August of this year.

The property is located on the north side of East Road adjacent the University of Connecticut Research Farm. The property of 14.8 acres has an existing residence and driveway on its western border adjacent to the University of Connecticut property. The property lies within a RAR 90 residential zone.

There are no outbuildings associated with the residence, and no activity of any consequence related to the use of the property such as large open lawns or gardens, etc.

Approximately twenty-eight percent of the property is wetland according to a field survey by John Ianni, soil scientist. The accompanying map outlines two major areas of wetland. Significantly, these two areas are either associated with the existing residence, close to the front SW corner and next to the University property and in the rear center of the property. The wetland in the rear extends over half the distance from the rear property line towards the front property line.

The property is essentially wooded, nearly full canopied including the wetlands and even close to the existing residence. The property consistently slopes from the western boundary to the eastern boundary, with the gentler slope percentages in most of the property below the existing residence.

**Significant Assets:**

The large wetland adjacent the northern boundary.

Stone walls on nearly all of the boundaries, an additional one just below the residence

Contiguous woodland on the property and to the rear of the property.

Adjacent University property.

**Constraints:**

Approximately 28 % of the parcel is unbuildable with regards to wetlands.

There appears to be a small area of slopes of 15% near the southeast corner.

Stony soils – numerous glacial erratics.

Sight line restriction on most of the property, except near the existing driveway as well as the southeast corner.

**Considerations:**

There are over 5 acres of dry land between the large wetland and the front property not including the area around the existing residence. Since the test pits proved septic field capability and given the frontage requirement, three lots in addition to the existing residence appear reasonable. Nearly all of this area is within the wetland review.

**Open Space allotment/ possible location:**

There are 2 options, traditional layout (2 acre lot with 200' frontage) or an open space or cluster subdivision which waives the frontage requirement, etc.

Traditional layout requires 15% dedication of Open Space or often a conservation easement dedication of 2.2 Acres. Cluster layout requires 40% open space or 5.9 Acres.

In order to get the 15% open space dedication that includes no greater than 28% wetland, 2.2 acres are available in the northwest corner of the property, mostly consisting of dry land. In the cluster subdivision dedicating the rear of the lot would be best. This dedication would join University of Connecticut property as well as the wetland that continues towards Hanks Hill Road.

**Topography:**

The site basically is characterized by a topography that slopes moderately down from the highest point along the western boundary to the eastern boundary. The difference in elevation is around 70' from west to east. There is an area near East Road and in the southeast corner of the property that has some 15% slopes. The DAE can be expanded to include these slopes. Parts of the BAE can be as narrow as 75' in one or two places, so it is possible to outline a buildable BAE.

There are no slopes 20% or greater on the property which would be factored in along with the wetlands for percentage of unbuildable land as part of an open space dedication.

**Vegetation:**

The 1934 aerial photograph of the property shows some of the property in open pasture. There is a complete canopy of deciduous trees throughout including the wetland, excepting a very small area at the existing residence and driveway. A few tall and thin white pine are located west of the residence near the University border. Another lone thin white pine is at the lower southeast corner. The canopy trees consist of second growth ash, some oak, red maple and sweet birch mainly. There are young saplings present throughout, but still sparse under canopy as most of the property outside the main wetland is open to view. The youngest trees are within the large wetland and most of the largest trees are near the western boundary and the existing residence. Only a few scattered trees are around 24" in diameter at breast height. There is little marketable timber apparent. A cutting likely occurred in the past and there are a few stumps evident that might have been taken within ten years. The wetlands are mostly red maple and sweet birch and shrubs such as spicebush.

**Stone Walls:**

Stone walls are significant in that they mark the property boundaries for the most part. There is a line of wall that starts midway along the existing driveway and extends northward to just beyond the existing drive turn-around below the residence. All the walls are typically rubbly and marked a pasture enclosure for the most part. Very short lengths of wall are found along East Road on both ends of the front property

line. Most likely the front wall extended the full length of the property, but nearly all was taken long ago.

**Views:**

No significant view into or out from the site.

**Existing Open Space:**

Directly across East Road is a Mansfield Open Space property. This doesn't offer an opportunity to connect in some way to any proposed open space on this property.

**Soils:**

Test pits confirm suitability for septic fields.

Stony throughout means some difficulty in excavation. No visually apparent ledge.

**Species endangered, threatened or of special concern:**

There are no species indicated within the property area or adjacent the property according to the State of Connecticut Natural History Database.

**Solar access:**

The orientation of proposed houses likely will orient to the south. However, given the continuous forest and a high canopy on both sides of East Road, and even with some clearing for house and septic field, solar gain will be somewhat limited.





## CONSERVATION COMMISSION

The Mansfield Conservation Commission is charged with advising the Town Council, the Planning and Zoning Commission, and other Town agencies and officials on policies and issues relating to the development, conservation, supervision, and regulation of natural resources (including water resources) within the Town of Mansfield.

### Accomplishments for FY 2014-2015

- Held 12 meetings.
- Assisted with open space and parks management issues.
- Commented on numerous Inland Wetland Agency and Planning and Zoning Commission applications and violation issues.
- Reviewed and provided input to the Town Council regarding the UConn Master Plan
- Continued to provide input to municipal and state officials regarding local and regional water supply issues.
- Actively participated in the Mansfield Tomorrow initiative, including review and recommendations on the Public Hearing Draft the Plan of Conservation and Development.

### Plans for FY 2015-2016

- Assist with open space and parks management issues.
- Actively participate in reviewing draft Mansfield Zoning and Subdivision Regulations C as part of the Mansfield Tomorrow initiative.
- Comment on existing and potential Inland Wetland Agency and Planning and Zoning Commission applications and proposed regulation revisions.
- Review and provide input to the Town Council regarding the significant UConn projects that would impact Mansfield.
- Provide input to the municipal aquifer protection agency.
- Develop and implement a strategy for monitoring Town-owned conservation easements.
- Develop and implement strategy for permanently preserving Town-owned open space.

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DRAFT MINUTES  
MANSFIELD INLAND WETLANDS AGENCY  
Regular Meeting  
Monday August 3, 2015  
Council Chamber, Audrey P. Beck Municipal Building

Members present: J. Goodwin, B. Chandy, R. Hall, G. Lewis, B. Pociask, K. Rawn, B. Ryan, V. Ward  
Members absent: P. Plante  
Alternates present: K. Holt  
Alternates absent: P. Aho, S. Westa  
Staff present: Jennifer Kaufman, Inland Wetlands Agent

Chairman Goodwin called the meeting to order at 7:00 p.m. and appointed Holt to act in Plante's absence.

Minutes:

7-06-15 – Meeting Minutes- Hall MOVED, Ward seconded, to approve the 7-6-15 meeting minutes as written. MOTION PASSED with all in favor except Pociask who disqualified himself.

7-15-15 – Field Trip Minutes- Holt MOVED, Ward seconded, to approve the 7-15-15 meeting minutes as written. MOTION PASSED with Goodwin, Holt, Rawn and Ward in favor and all others disqualified.

7-20-15 – Special Meeting Minutes- Holt MOVED, Chandy seconded, to approve the 7-20-15 meeting minutes as corrected. MOTION PASSED with all in favor except Pociask and Hall who disqualified themselves.

Communications:

The 7/15/15 Draft Conservation Commission Minutes and the 7/29/15 Wetlands Agent Monthly Business report were noted. Wetlands Agent Kaufman noted that on 7/31/15 she visited 77 Forest Road and reported that the owner moved the debris away from the wetlands. She added that in her opinion the installation of silt fence would cause more disturbance, so she advised the property owner to stabilize the area with a conservation mix.

Old Business:

a. W1548 - C. & L. Niarhakos, 101 East Rd, Re-Subdivision Application

Holt and Pociask disqualified themselves. After discussion, Rawn MOVED, Ward seconded, to deny an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield (File #W1548) for a 3-Lot Subdivision on property owned by C. and L. Niarhakos and located at 101 East Road as shown on plans dated 3/30/2015 and revised through 6/21/2015 and as described in application submissions.

This action is based on a finding that the applicant has not provided sufficient information to allow the Agency to determine that the proposed activities will not have a significant adverse impact on the wetlands or watercourses and that this application is consistent with the Criteria for Decision outlined in Section 10.2 of the Mansfield Inland Wetlands and Watercourses Regulations; the purposes and policies of the Regulations; and Sections 22a-36 to 22a-45, inclusive, of the Connecticut General Statutes as required by Section 10.7 of the Regulations. Specifically, the applicant needs to verify the extent of the upgradient, northerly watershed to demonstrate that the storm water management basins and swales on the revised plan dated 6/21/2015 are adequately sized to manage the runoff so as not to adversely impact wetlands. MOTION TO DENY PASSED with Rawn, Hall, Lewis, Goodwin, Ward and Chandy in favor, Ryan abstaining and Holt and Pociask disqualified.

b. W1553 – I. and E. Hanka, 225 Mulberry Rd, Above-Ground Pool

Holt MOVED, Rawn seconded, to grant an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to I. and E. Hanka/Sabrina Pools (File #W1553) for an installation of an above-ground pool on property owned by the applicants and located at 225 Mulberry Rd as shown on plans dated 6/15/2015, revised through 7/16/2015 and as described in application submissions.

This action is based on a finding of no anticipated adverse 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;
2. All material shall be stockpiled at least 50 feet from the edge of wetlands and surrounded by silt fence until it is either removed from the site or distributed at least 50 feet from the edge of wetlands; and
3. The pool shall be installed with a closed system filter that does not require any pool water to be discharged.

This approval is valid for five years (until August 3, 2020) 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 with all in favor except Pociask who disqualified himself.

c. W1554- Storrs Friends Meeting, 57 Hunting Lodge Rd, - Site Improvements

Chandy MOVED, Holt seconded, to grant an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to Storrs Friends Meeting (File #W1554) for Site Improvements on property owned by the applicants and located at 57 Hunting Lodge Rd as shown on plans dated 5/14/2015 and as described in application submissions.

This action is based on a finding of no anticipated adverse 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;
2. A barrier shall be installed on the eastern side of the landscaped bioretention area to prevent damage from vehicle parking; and
3. No material shall be stockpiled on the site.

This approval is valid for five years (until August 3, 2020) 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 with all in favor except Pociask who disqualified himself.

New Business:

a. W1555 – J. and K. Hawes, 241 Mulberry Rd, Above Ground Pool, Deck and Shed

Ryan MOVED, Holt seconded, to receive the application submitted by J. and K. Hawes (IWA File #W1555) under the Wetlands and Watercourses Regulations of the Town of Mansfield for site improvements, installation of a shed and above-ground pool on property located at 241 Mulberry Road as shown on a map dated 7/27/2015 and as described in application submissions, and to refer said application to staff and the Conservation Commission for review and comments. MOTION PASSED UNANIMOUSLY.

Reports from Officers and Committees:

No reports were offered.

Other Communications and Bills:

Noted.

Adjournment:

Chairman Goodwin set a Field Trip for 8/12/15 at 3:45 p.m. and declared the meeting adjourned at 7:17 p.m.

Respectfully submitted,

Vera S. Ward, Secretary

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DRAFT MINUTES  
MANSFIELD INLAND WETLANDS AGENCY  
Regular Meeting  
Monday August 3, 2015  
Council Chamber, Audrey P. Beck Municipal Building

Members present: J. Goodwin, B. Chandy, R. Hall, G. Lewis, B. Pociask, K. Rawn, B. Ryan, V. Ward  
Members absent: P. Plante  
Alternates present: K. Holt  
Alternates absent: P. Aho, S. Westa  
Staff present: Jennifer Kaufman, Inland Wetlands Agent

Chairman Goodwin called the meeting to order at 7:00 p.m. and appointed Holt to act in Plante's absence.

Minutes:

7-06-15 – Meeting Minutes- Hall MOVED, Ward seconded, to approve the 7-6-15 meeting minutes as written. MOTION PASSED with all in favor except Pociask who disqualified himself.

7-15-15 – Field Trip Minutes- Holt MOVED, Ward seconded, to approve the 7-15-15 meeting minutes as written. MOTION PASSED with Goodwin, Holt, Rawn and Ward in favor and all others disqualified.

7-20-15 – Special Meeting Minutes- Holt MOVED, Chandy seconded, to approve the 7-20-15 meeting minutes as corrected. MOTION PASSED with all in favor except Pociask and Hall who disqualified themselves.

Communications:

The 7/15/15 Draft Conservation Commission Minutes and the 7/29/15 Wetlands Agent Monthly Business report were noted. Wetlands Agent Kaufman noted that on 7/31/15 she visited 77 Forest Road and reported that the owner moved the debris away from the wetlands. She added that in her opinion the installation of silt fence would cause more disturbance, so she advised the property owner to stabilize the area with a conservation mix.

Old Business:

a. **W1548 - C. & L. Niarhakos, 101 East Rd, Re-Subdivision Application**

Holt and Pociask disqualified themselves. After discussion, Rawn MOVED, Ward seconded, to deny an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield (File #W1548) for a 3-Lot Subdivision on property owned by C. and L. Niarhakos and located at 101 East Road as shown on plans dated 3/30/2015 and revised through 6/21/2015 and as described in application submissions.

This action is based on a finding that the applicant has not provided sufficient information to allow the Agency to determine that the proposed activities will not have a significant adverse impact on the wetlands or watercourses and that this application is consistent with the Criteria for Decision outlined in Section 10.2 of the Mansfield Inland Wetlands and Watercourses Regulations; the purposes and policies of the Regulations; and Sections 22a-36 to 22a-45, inclusive, of the Connecticut General Statutes as required by Section 10.7 of the Regulations. Specifically, the applicant needs to verify the extent of the upgradient, northerly watershed to demonstrate that the storm water management basins and swales on the revised plan dated 6/21/2015 are adequately sized to manage the runoff so as not to adversely impact wetlands. MOTION TO DENY PASSED with Rawn, Hall, Lewis, Goodwin, Ward and Chandy in favor, Ryan abstaining and Holt and Pociask disqualified.

b. **W1553 – I. and E. Hanka, 225 Mulberry Rd, Above-Ground Pool**

Holt MOVED, Rawn seconded, to grant an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to I. and E. Hanka/Sabrina Pools (File #W1553) for an installation of an above-ground pool on property owned by the applicants and located at 225 Mulberry Rd as shown on plans dated 6/15/2015, revised through 7/16/2015 and as described in application submissions.

This action is based on a finding of no anticipated adverse 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;
2. All material shall be stockpiled at least 50 feet from the edge of wetlands and surrounded by silt fence until it is either removed from the site or distributed at least 50 feet from the edge of wetlands; and
3. The pool shall be installed with a closed system filter that does not require any pool water to be discharged.

This approval is valid for five years (until August 3, 2020) 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 with all in favor except Pociask who disqualified himself.

c. **W1554- Storrs Friends Meeting, 57 Hunting Lodge Rd, - Site Improvements**

Chandy MOVED, Holt seconded, to grant an Inland Wetlands License pursuant to the Wetlands and Watercourses Regulations of the Town of Mansfield to Storrs Friends Meeting (File #W1554) for Site Improvements on property owned by the applicants and located at 57 Hunting Lodge Rd as shown on plans dated 5/14/2015 and as described in application submissions.

This action is based on a finding of no anticipated adverse 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;
2. A barrier shall be installed on the eastern side of the landscaped bioretention area to prevent damage from vehicle parking; and
3. No material shall be stockpiled on the site.

This approval is valid for five years (until August 3, 2020) 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 with all in favor except Pociask who disqualified himself.

**New Business:**

a. **W1555 – J. and K. Hawes, 241 Mulberry Rd, Above Ground Pool, Deck and Shed**

Ryan MOVED, Holt seconded, to receive the application submitted by J. and K. Hawes (IWA File #W1555) under the Wetlands and Watercourses Regulations of the Town of Mansfield for site improvements, installation of a shed and above-ground pool on property located at 241 Mulberry Road as shown on a map dated 7/27/2015 and as described in application submissions, and to refer said application to staff and the Conservation Commission for review and comments. MOTION PASSED UNANIMOUSLY.

Reports from Officers and Committees:

No reports were offered.

Other Communications and Bills:

Noted.

Adjournment:

Chairman Goodwin set a Field Trip for 8/12/15 at 3:45 p.m. and declared the meeting adjourned at 7:17 p.m.

Respectfully submitted,

Vera S. Ward, Secretary

PAGE  
BREAK

## Delivering Quality Water

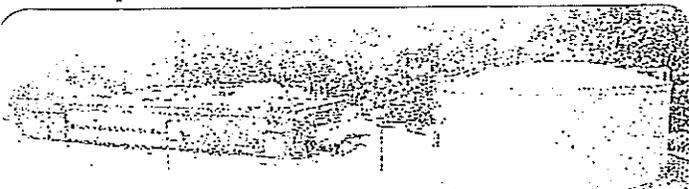
The University of Connecticut is pleased to provide you, our water system customers, with the 2014 Water Quality Report. We provide this report to our customers to fulfill the consumer confidence reporting requirement of the federal Safe Drinking Water Act (please see the water quality test results on page 3) and to keep you apprised of important water system developments.

For several years UConn has been planning and implementing measures designed to help meet our water supply goals of ensuring an adequate quantity of pure drinking water while making efficient use of available resources. Major investments were made to reduce water losses from our transmission and distribution systems. We provided extensive outreach to inform our students, staff and off-campus customers of the importance of water conservation. The result was a year-to-year reduction or sustained level of water use, despite a growing service population.

Specific milestones towards meeting our water supply goals were achieved in 2013. The University began replacing potable water used at its central utility plant with treated reclaimed water. Also, an Environmental Impact Evaluation assessed the possible alternatives to meet long term water needs and identified an interconnection with Connecticut Water Company to be the most environmentally sound and least costly option.

Building off the successes of 2013, this past year saw much sustained progress. The reclaimed water facility continued to reduce the utility plant's need for potable water. Overall potable water demand in the system is nearly 9 percent less than what it had been before reclaimed water was available. Design of the pipeline that would interconnect the UConn and Connecticut Water systems was completed, and an application to secure a water diversion permit, was made to the Department of Energy and Environmental Protection (DEEP). We continue working to complete the permitting process and obtain the final approvals for the project so we can move forward with the additional supply to meet the long term needs of the University and Mansfield.

Thank you for taking the time to review this report. If you have questions concerning the drinking water quality results, please call, week days between 8 a.m. and 5 p.m., the University's Department of Environmental Health and Safety at 860-486-3613, or New England Water Utility Services, Inc.'s (NEWUS) project manager at 860-486-1081. NEWUS is the contract operator subsidiary of Connecticut Water Company.



## Regulatory Oversight

The University's Main Campus and Depot Campus systems experienced no water quality or monitoring/reporting violations for this reporting period. To ensure that tap water is safe to drink, the Federal Environmental Protection Agency (EPA) and the State of Connecticut Department of Public Health (DPH) establish and enforce regulations that limit the amount of certain substances in the water provided by public water systems. Water quality testing is an ongoing process, and the frequency of testing for each parameter is prescribed by these drinking water regulations. Due to testing schedules, not all of these tests were required during 2014, but the most recent test data is shown in the table located on page 3. Samples from the University's water systems are tested regularly at state-certified laboratories to ensure compliance with state and federal water quality standards. Water samples are collected for water quality analysis from our wells, from entry points into our systems, and from sample locations within our distribution system.

## Securing Additional Water Supply for the Long Term

To address the anticipated long term water supply needs of UConn and nearby areas in Mansfield, a detailed study in the form of an Environmental Impact Evaluation was prepared, published, publicly reviewed, and ultimately approved in 2013 under the state's Environmental Policy Act. Among the alternatives that were studied, the alternative of securing an interconnection with Connecticut Water Company was determined to be the most environmentally sound, most consistent with the state plan of conservation and development, and most economical. The agreements reached between UConn and Connecticut Water Company and Mansfield and Connecticut Water were structured to meet the long-term interests of the campus, its neighbors, and the region.

In April 2014, the University and Connecticut Water jointly submitted a permit application to DEEP for the approval needed to interconnect the two supply systems (the Diversion Permit). The Diversion Permit application requested that the permit extend for 25 years and that Connecticut Water be authorized to provide up to 1.18 million gallons per day (mgd) on average and a maximum of 1.85 mgd for a peak day during that period. Water would come from Connecticut Water's Northern Western system's Lake Shenipsit Reservoir. In December 2014, DEEP issued a Notice of Tentative Determination based on its finding that the permit application was complete and the proposed diversion: 1) is necessary, 2) will not significantly affect long-range water resources management, and 3) will not impair proper management and use of the state's water resources. Publication of the DEEP notice, which included a draft of the permit, including a list of conditions to protect the environment, initiated a 30-day public comment period and public hearing process, that extended into 2015. The public hearing process was closed in May and a ruling is anticipated during the late spring or summer of 2015.

Working in partnership with the Town of Mansfield, Connecticut Water established a Water System Advisory Group with representatives from the Town, UConn, nearby communities, and other stakeholders, which will meet quarterly and provide local input to ensure communication and collaboration relating to the Connecticut Water system. The group will also make recommendations about best management practices, including

## System Description

The University owns and operates the Main Campus water system in Storrs and the Depot Campus section in Mansfield. Although the Main and Depot systems are interconnected, the source of water within each system can vary. The Main Campus receives water from gravel-packed wells located in the Fenton River and Willimantic River Wellfields. The Depot Campus receives water only from the Willimantic River Wellfield. UConn's wells do not pump directly from the Fenton and Willimantic Rivers; rather, the wells are located near the rivers and pump groundwater from underground aquifers. As groundwater moves very slowly through the fine sands that make up these aquifers, the water is naturally filtered. The result is water of excellent chemical, physical, and bacteriological quality pumped from each wellfield. The only water treatment added is sodium hydroxide for pH adjustment and corrosion control, and chlorine for disinfection.

The University continues to have an ample supply of high quality drinking water to meet the needs of its current on-campus and off-campus users. In addition, it has over 7.6 million gallons of water storage capacity to meet all domestic, process, and fire protection needs. Large booster pumps help maintain adequate system pressures, and emergency generator power ensures continued operation during electric power outages.

## Water Quality

As water travels over the land surface and/or through the ground, it dissolves naturally occurring minerals and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity, including:

- viruses and bacteria, which may come from septic systems, livestock and wildlife;
- salts and metals, which can be natural or may result from storm water runoff and farming;
- pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff or lawn care;
- organic chemicals, which originate from industrial processes, gas stations, storm water runoff and septic systems; and
- radioactive substances that can be naturally occurring.

To ensure safe tap water, EPA prescribes limits on these substances in water provided by public water systems. The presence of these contaminants does not mean that there is a health risk. The University complies with EPA and DPH water quality requirements to ensure the quality of the water delivered to consumers. There were no water quality violations in the University's systems in 2014.



## Stage 2 Disinfectants and Disinfection Byproduct Rule (Stage 2 DBP rule)

The EPA's Stage 2 Disinfectants and Disinfection Byproducts Rule (DBP rule) requires all water systems to evaluate the potential for producing elevated levels of certain "disinfectant by-products" that have potential adverse health effects. These chemical compounds can be produced by the reaction of disinfecting chemicals with naturally occurring chemical compounds found in the water. Water quality test results over eight consecutive quarterly sampling periods showed that none of the samples contained levels of disinfection by-products in excess of allowable levels. Because of these favorable sample results, the University's water system has been designated as in compliance with the DBP rule.

## Health Information

Consumer Confidence Reports are required to contain public health information for certain contaminants and compounds, even if the levels detected in the system were less than the Maximum Contaminant Levels (MCL) established for those parameters. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA and the Federal Center for Disease Control guidelines on reducing the risk of infection by *Cryptosporidium* and other microbial contaminants are available from EPA's Safe Drinking Water Hotline (800-426-4791).

**CRYPTOSPORIDIUM.** *Cryptosporidium* is a microbial parasite found in surface waters throughout the U.S. Since the University uses groundwater (wells) rather than surface water (reservoirs), the University is not required to test for *Cryptosporidium*.

**COPPER & LEAD.** The University currently meets regulatory requirements for both lead and copper. Lead and copper samples were collected in 2014. The 90th percentiles for both lead and copper were below the EPA Action Level. Nonetheless, the University believes it is important to provide its customers with the following information regarding lead and copper.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The University's water systems provide high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap water for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water is available from the Safe Drinking Water Hotline or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

Similarly, elevated copper levels can also have health impacts. Copper is an essential nutrient, but like lead, its levels can vary from location to location. Some people who drink water containing copper in excess of the Action Level over a relatively short period of time could experience gastrointestinal distress and may also suffer liver or kidney damage. People with Wilson's disease should consult their personal physician. If you are concerned about elevated copper levels, you may wish to have your water tested. Running your tap for 30 seconds to 2 minutes before using for drinking or cooking will significantly reduce copper levels in the water.

## Water Quality Testing

The results of tests conducted on water samples for regulated compounds are summarized in this report. While most of the monitoring was conducted in 2014, certain substances are monitored less than once per year because the concentrations are expected to be relatively constant. If levels were tested prior to 2014, the year is identified in parentheses.

As required by the EPA and the DPH, the University also periodically tests for "unregulated contaminants." Unregulated contaminants are those that do not yet have a drinking water standard set by EPA. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a standard. The last required samples for those unregulated compounds were collected in July 2009 with all sample results below detection levels.

### University of Connecticut Water System

Water Quality Test	MCL	MCLG	Highest Level Detected	Range of Detections	MCL Exceeded?	Possible Contaminant Source
Copper (ppm)	AL 1.3	AL 1.3	0.299*	0.006-0.480	No	Corrosion of household plumbing systems
Lead (ppb)	AL 15	AL 15	11*	ND-27	No	Corrosion of household plumbing systems
Barium (ppm)	2	2	0.015	0.015	No	Erosion of natural deposits
Chloride (ppm)	250	NA	25.7	25.7	No	Erosion of natural deposits
Nitrate (ppm)	10	10	0.72	0.60-0.72	No	Runoff from fertilizer use
Sodium (ppm)	NL=28	NA	24.4	24.4	No	Erosion of natural deposits
Sulfate (ppm)	NA	250	10.8	10.8	No	Erosion of natural deposits.
Turbidity (ntu)	5 ntu	NA	0.27**	ND-4.52	No	Soil runoff, pipe sediment, or precipitation of minerals or metals
Total Coliform (# of monthly positive samples)	1	0	0	ND	No	Naturally present in the environment
Alpha Emitters (pCi/L) (2013)	15	0	5.1	ND-5.1	No	Erosion of natural deposits
Combined Radium (pCi/L) (2013)	5	0	1.08	ND-1.08	No	Erosion of natural deposits
Chlorine (ppm)	MRDL 4	MRDLG 4	0.83	0.04-0.83	No	Water additive used to control microbes
HAA5 (ppb) [Haloacetic acids]	60	NA	3.8	ND-3.8	No	By-product of drinking water disinfection
THMs (ppb) [Total Trihalomethanes]	80	0	17.9	3.8-17.9	No	By-product of drinking water disinfection

\* Compliance is based on 90th Percentile Value as listed here.

\*\*Compliance is based on Running Annual Average as listed here.

### Definitions and Key Terms

**AL (Action Level):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**MCL (Maximum Contaminant Level):** The highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. Typically when MCLs are exceeded a violation occurs and public notification is required.

**MCLG (Maximum Contaminant Level Goal):** The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

**MRDL (Maximum Residual Disinfection Level):** The highest level of a disinfectant allowed in drinking water.

**MRDLG (Maximum Residual Disinfection Level Goal):** The level of a drinking water disinfectant below which there is no known or expected risk to health.

**Detected Contaminant:** A detected contaminant is any contaminant measured at or above a Method Detection Level. Just because a contaminant is detected does not mean that its MCL is exceeded or that there is a violation.

**NA:** Not applicable.

**ND:** Not detected.

**NL:** Notification level.

**ppb (parts per billion):** One part per billion = ug/L; the equivalent of 1 penny in \$10,000,000.

**ppm (parts per million):** One part per million= 1 mg/l; the equivalent of 1 penny in \$10,000.

**PCi/L (picocuries per liter):** A measure of radioactivity.

**TT (Treatment Technique):** A required process intended to reduce the level of a contaminant in drinking water.

## Managing Demand

Since the summer of 2013, treated non-potable water provided by the University's reclaimed water facility has supplied UConn's utility plant make-up water for steam production, process cooling for the heat-and-power producing turbines, and produced the chilled water used for air conditioning in many campus buildings.

The reclaimed water facility produced about 240,000 gallons per day (gpd) in 2014 but is capable of processing significantly more. To offset some of the potable water demands of several planned projects, three campus buildings now in development have been designed to use reclaimed water. The STEM Residence Hall, the Tech Park's Innovation Partnership Building, and a new science and engineering building will use reclaimed water for toilet flushing and/or to meet their cooling needs. By substituting processed wastewater for high-quality drinking water for those uses in these buildings, the University expects to save more than 44,000 gpd of potable water during the cooling season.

Also in 2014, UConn renewed a campus-wide water fixture retrofit program. In recent years, many of the campus's older buildings had been renovated with water-conserving fixtures, but many of the newer buildings can benefit from advances made in water saving devices as of spring 2015. Nearly all of the residence halls' faucet aerators and shower heads had been replaced with low flow fixtures. As toilets are replaced and as academic buildings are also addressed, the University expects to see an overall 20 percent reduction in its peak day water demand compared to 2013.

## Reliability

During the fall of 2014, the University started a project to replace the main transmission pipe connecting the Willimantic wellfield to the Storrs campus storage and distribution system. The original cast iron pipe was installed in the early 1970s and has shown signs of deterioration.

The University has repaired several leaks in recent years, including replacing 3,500 feet transmission main along Hunting Lodge Road in 2006. (Note - this piping will remain in place and is not being replaced as part of the Phase I and II projects.) A comprehensive study indicated that the pipe lies in soil that can be corrosive to cast iron over time. Phase I of this project involves installing about 13,500 feet of new 16-inch diameter pipe adjacent to the existing supply line from the wellfield at Spring Manor Farm to just past the Cedar Swamp Brook crossing of Hunting Lodge Road. The new cast iron pipe is entirely wrapped in polyethylene, preventing contact with corrosive conditions.

All of the pipe planned in Phase I has been installed, and will soon be tested before it is put into service. The project includes restoration of disturbed areas, including paved roads, and will be complete before the end of summer 2015. Phase II of the project will replace most of the remainder of the pipe route to the UConn storage tanks. Design of Phase II is underway, and construction should begin in 2015 and extend into 2016.



*Willimantic  
Transmission Project*

## Source Protection

The University actively protects its wells, wellfields, and the Fenton and Willimantic Rivers, which are valuable water resources. Pursuant to the Connecticut Environmental Policy Act (CEPA), the University undertakes Environmental Impact Evaluations for construction projects based on their size, location, cost or other factors. This process, administered through the State Office of Policy and Management (OPM), provides state agencies, the town of Mansfield, environmental organizations, and interested citizens an opportunity to participate in the review process on a project regarding its potential environmental impact. The University also cooperates with Windham Water Works regarding watershed inspections on the Main Campus. These inspections are designed to protect the Fenton River Wellfield and the Fenton River, as well as the downstream reservoir that serves the Windham Water system.

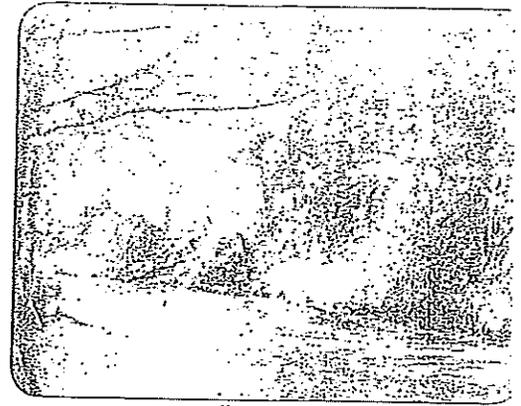
The University utilizes its aquifer mapping information to delineate the areas of groundwater recharge for its wellfields. This technical evaluation, required by DEEP, shows the critical areas of direct recharge that must be protected from certain development. DPH, in conjunction with DEEP, maintains Source Water Assessment Program (SWAP) reports on the Fenton River and Willimantic River wells. These reports evaluate potential threats of contamination to our wells. The University's wellfields have an Overall Susceptibility Rating of "LOW," the best possible rating. To ensure continued source protection, however, the University will remain vigilant in protecting all of its water supply sources in the years to come. For more information regarding the SWAP report, visit the DPH's Web site at [www.ct.gov/dph](http://www.ct.gov/dph). In 2014, the University completed the CEPA process and design for the Main Accumulation Area for regulated wastes which will be relocated out of the public water supply watershed (Willimantic Reservoir) to North Campus.

## Emergency Notification



UConn and its contract operator, NEWUS, have established a notification system to alert its customers of water supply interruptions. These notifications will be sent when water is planned to be temporarily unavailable due to construction or other improvements or during emergencies such as a broken water main. UConn on-campus consumers are notified through the Building & Emergency Contact (B&EC) system. This enables an email to be sent to the listed contacts of the buildings expected to be affected by the outage. Off-campus customers are notified through NEWUS' emergency notification call system.

Notifications will include as much information as possible, including the expected duration of the outage, if known, and any special instructions. In order for us to promptly notify our customers, it is important that our contact information for you is complete and up to date. Employees can check their B&EC contact information by accessing [www.beclist.uconn.edu](http://www.beclist.uconn.edu) using their NET ID. Off-campus customers who wish to update their phone number, please call 1-800-286-5700 or send an email to [customerservice@ctwater.com](mailto:customerservice@ctwater.com).



*Fenton River*

## Water Usage

Overall, the total potable water usage in 2014 increased slightly compared to 2013 but was in line with the growth in service population and was still nearly 9 percent less than what it was in 2012, before the reclaimed water was being used at the UConn utility plant. From 2005 to 2014, the average daily demand on the UConn water system decreased from 1.49 million gallons per day (mgd) to 1.16 mgd. While the on-campus service population increased by 23 percent over that time, the average daily water demand decreased by more than 22 percent.

To accomplish that reduction, the University made many water system changes to the actual infrastructure and its operations, which has helped to increase our overall water use efficiency. We continue to build on the progress made in previous years by renewing our program to replace water fixtures in campus buildings with water-saving devices, and the University remains diligent on reducing wasted water through routine leak detection and repair.

In addition to reclaimed water and other improvements made to the water system, the cooperation we have received from our consumers towards conserving water certainly helped contribute to our overall drop in water usage.



Much of the summer and fall months of 2014 were particularly dry, and the resulting lower streamflows led to our requests for voluntary and, for several weeks, mandatory water conservation. We appreciate your efforts to conserve water when we issue our conservation requests and throughout the year.

## Water Conservation

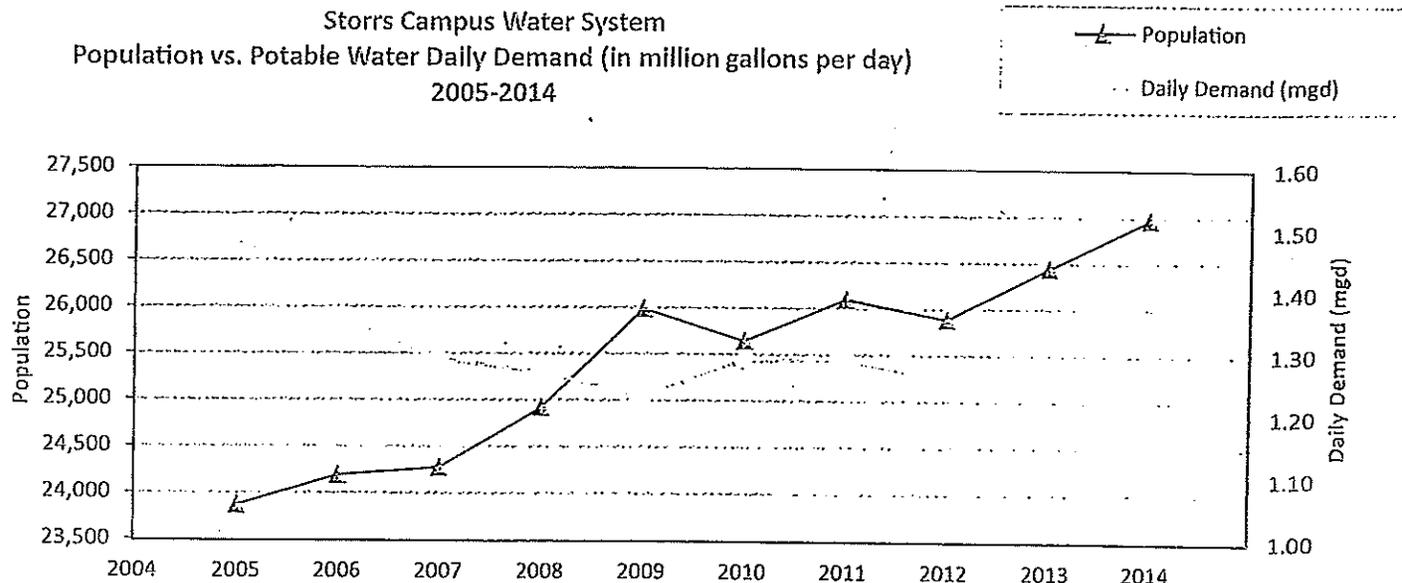
While our water system does not pump water directly from the local rivers, it does extract groundwater from local aquifers that help sustain them. Extended dry weather naturally reduces streamflow which, in turn, may stress fish and other biotic stream habitat. That's why we respond with conservation measures of our own and request our customers to conserve water during these periods. UConn and NEWUS appreciate your cooperation and encourage the wise and efficient use of water at all times by applying the following tips:

- Install water-efficient fixtures and equipment, such as water-saving shower heads and toilets.
- Take shorter showers.
- Turn off faucets and showers when not in use.
- Wash full loads in washing machines/dishwashers.
- Limit running water in food preparation.
- Limit outdoor watering to early mornings or evenings, and do not water on windy days.
- Mulch around plants to reduce evaporation.
- Limit running water time when washing a car, or use a car wash.

### Repair leaks:

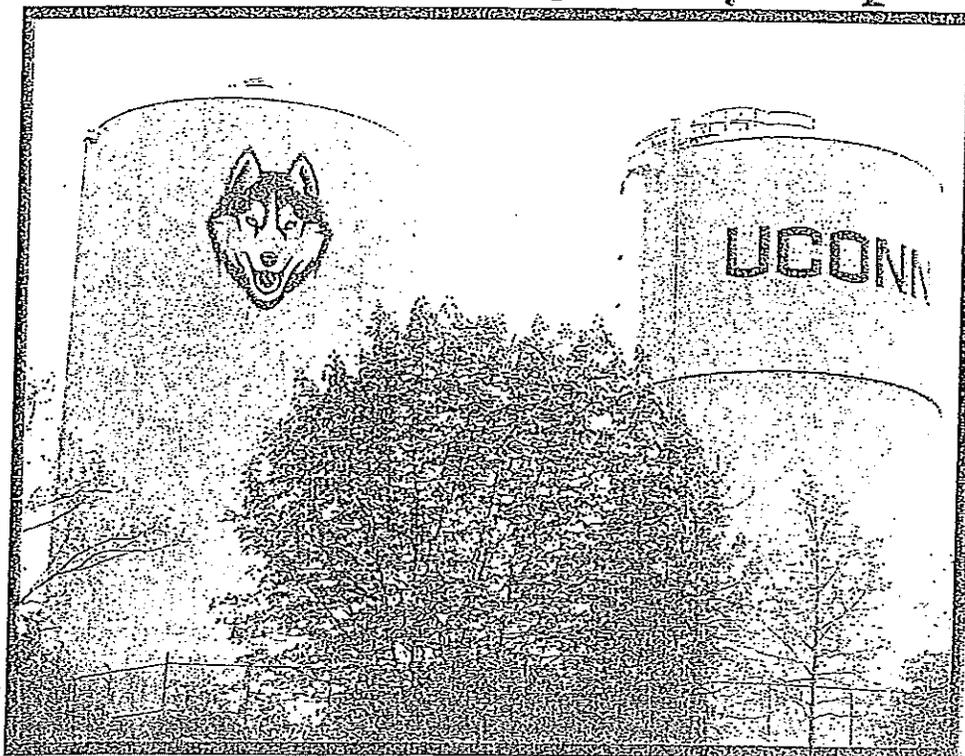
- In UConn dorms, promptly report leaks to your Resident Advisor.
- In other campus buildings, report leaks to Facilities Operations at 860-486-3113.

Storrs Campus Water System  
Population vs. Potable Water Daily Demand (in million gallons per day)  
2005-2014



University of Connecticut  
Facilities Operation Building  
25 LeDoyt Road, Unit 3252  
Storrs, CT 06269

# 2014 Annual Water Quality Report



UConn



STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546  
NEWINGTON, CONNECTICUT 06131-7546

Phone:

July 23, 2015

**TO:** Ms. Jo Ann Goodwin, Planning and Zoning Commission, Chair  
Audrey P. Beck Municipal Building  
4 South Eagleville Road  
Mansfield, CT 06268

**FROM:** Mark W. Alexander  
*[Signature]*  
Transportation Assistant Planning Director  
Bureau of Policy and Planning

**SUBJECT:** Notification of Submittal of Application to the State of Connecticut, Department of Energy and Environmental Protection's (DEEP) for a General Permit for Water Resource Construction Activities

**PROJECT:** State Project No. 32-148  
Replacement of Bridge No. 02866, Route 275 over Willimantic River  
Towns of Coventry and Mansfield

Enclosed is a copy of our Request for Authorization under the State of Connecticut Department of Energy and Environmental Protection's General Permit for Water Resources Construction Activities. If your agency wishes to comment on the enclosed application, comments must be submitted to the State Department of Energy and Environmental Protection.

Comments should be directed to:

Inland Water Resources Division  
Department of Energy and Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

If we can provide additional information, please contact Mr. Andrew H. Davis at 860-594-2157.



## Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions on pages 2 and 3 to:  
Wetlands Management Section, Inland Water Resources Division, CT DEEP, 79 Elm Street – 3<sup>rd</sup> Floor, Hartford, CT 06106

### PART I: To Be Completed By the Municipal Inland Wetlands Agency Only

- DATE ACTION WAS TAKEN: Year Click Here for Year Month Click Here for Month
- ACTION TAKEN: Click Here to Choose a Code
- WAS A PUBLIC HEARING HELD (check one)? Yes  No
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:  
(type name) \_\_\_\_\_ (signature) \_\_\_\_\_

### PART II: To Be Completed By the Municipal Inland Wetlands Agency or the Applicant

- TOWN IN WHICH THE ACTION IS OCCURRING (type name): Coventry  
Does this project cross municipal boundaries (check one)? Yes  No   
If Yes, list the other town(s) in which the action is occurring (type name(s)): Mansfield, \_\_\_\_\_
- LOCATION (click on hyperlinks for information): USGS Quad Map Name: Coventry or Quad Number: 40  
Subregional Drainage Basin Number: 3100
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (type name): State of CT, Dept. of Transportation
- NAME & ADDRESS/LOCATION OF PROJECT SITE (type information): Route 275 over Willimantic River  
Briefly describe the action/project/activity (check and type information): Temporary  Permanent  Description: Existing bridge to be replaced with a two span precast box beam superstructure on integral concrete abutments and founded on augered steel piles.
- ACTIVITY PURPOSE CODE: N
- ACTIVITY TYPE CODE(S): 1, 2, 9, Click for Code
- WETLAND / WATERCOURSE AREA ALTERED (type in acres or linear feet as indicated):  
Wetlands: 0.01 acres      Open Water Body: 0.00 acres      Stream: 40.00 linear feet
- UPLAND AREA ALTERED (type in acres as indicated): 0.00 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (type in acres as indicated): 0.00 acres

DATE RECEIVED:

**PART III: To Be Completed By the DEEP**

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO



Connecticut Department of  
 Energy & Environmental Protection  
 Bureau of Water Protection & Land Reuse  
 Inland Water Resources Division

# Request for Authorization Form for the General Permit for Water Resource Construction Activities

Please complete this form in accordance with the general permit (DEEP-IWRD-GP-013) to ensure the proper handling of your request. Print or type unless otherwise noted. You must submit the fee along with this completed form.

CPPU USE ONLY
App #: _____
Doc #: _____
Check #: _____
Program: <b>GP IWRD Construction Activities</b>

## Part I: Request and Fee Type

Check the appropriate box identifying the request type.

<input type="checkbox"/> \$5000 (#1757) for each Request for Authorization for Section 3(a)(1), (a)(2), (a)(3), (a)(4), (a)(5), (a)(6), or (a)(7) activities under the subject general permit, unless you qualify as one of the following:  <input type="checkbox"/> \$2500 for any municipality  <input type="checkbox"/> \$2500 for electronic filing*	<input checked="" type="checkbox"/> \$2500 (#1758) for each Request for Authorization for Section 3(a)(8) or 3(a)(9) activities under the subject general permit, unless you qualify as one of the following:  <input type="checkbox"/> \$1250 for any municipality  <input type="checkbox"/> \$1250 for electronic filing*
--	---

*\*In order to file electronically, ALL supporting documents under Part VI of this application must be submitted in an electronic format on a CD, along with this original completed application in hard copy.*

The request will not be processed without the fee. The fee shall be non-refundable and shall be paid by check or money order to the Department of Energy and Environmental Protection.

Town where site is located: Coventry and Mansfield

**Brief Description of Project:**

Project No. 32-148, Bridge No. 02866, Replacement of Bridge No. 02866 Route 275 over Willimantic River.

The proposed project consists of replacing the existing bridge with a two span precast, prestressed box beam superstructure supported by integral concrete abutments founded upon augered steel piles.

**Part II: Requestor Information**

- If a 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, requester's 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 State's database (CONCORD). ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))
- If a 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. 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. Requester Name: State of Connecticut Department of Transportation

Mailing Address: 2800 Berlin Turnpike, P.O. Box 317546

City/Town: Newington

State: CT

Zip Code: 06131-7546

Business Phone: 860-594-2931

ext.:

Contact Person: Mark W. Alexander

Phone: 860-594-2931 ext.

E-mail: [mark.w.alexander@ct.gov](mailto:mark.w.alexander@ct.gov)

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

a) Requester Type (check one):

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 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.

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

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

site owner       option holder       lessee       easement holder       operator

other (specify): \_\_\_\_\_

#### Part IV: Construction Activity Details (Continued)

8. Describe the present and intended use(s) of the property at which the subject activity will be conducted and the reason for conducting or maintaining the activity.

This project involves the replacement of Bridge No. 02866, which carries Route 275 over Willimantic River and is located on the Coventry/Mansfield town line. Bridge No. 02866, built in 1900 and reconstructed in 1973, is a two-span bridge supported by stone masonry abutments and center pier. The total length of the bridge is 122 feet, with a maximum span length of 61 feet. Concrete caps were constructed on the abutments and pier to accommodate the new superstructure. Both bridge railings consist of H-beam posts, with angle iron caps, and one course of metal beam rail, which are carried over the structure from the approach roadways. They have a galvanized finish and are bolted to the fascia units. There are no curbs or sidewalks located on this bridge. The entire bridge has a bituminous overlay with a preformed fabric membrane. The curb-to-curb deck width is 14.3 feet, which accommodates one lane of alternating one-way traffic controlled by stop signs. The approach roadways accommodate one lane of traffic in each direction; however, just east of Bridge No. 02866 is a railroad bridge, which has a minimum curb-to-curb width of 17 feet allowing only alternating one-way traffic to pass beneath it. The 2013 average daily traffic on the bridge is 3,100 vehicles.

The replacement is necessary because the existing bridge is structurally deficient, functionally obsolete, and hydraulically inadequate. The bridge is functionally obsolete due to its substandard curb-to-curb roadway width. The bridge is hydraulically inadequate due to its inability to pass the 100-year design storm with the required 2-feet of underclearance. The bridge is structurally deficient due to the poor condition of the box beams. The south fascia box beam has an approximately 12-inch by 20-inch hole with severed strands and additional exposed reinforcing. Bridge Maintenance has installed permanent traffic cones along the south beam to help eliminate live loadings on the beam. Bridge Safety has issued an Emergency Declaration to accelerate design and construction of the proposed structure.

The proposed project consists of replacing the existing bridge with a two span precast, prestressed box beam superstructure supported by integral concrete abutments founded upon augered steel piles. The box beams will be approximately 24 inch deep with a 5 inch reinforced concrete shear slab placed on top. The box beams will be connected with a reinforced concrete closure pour to facilitate integral movement and preclude the need for an expansion joint. Membrane waterproofing and a bituminous concrete overlay will be placed on top of the shear slab. An open metal bridge rail system will be utilized. The roadway width will be 32 feet comprised of two 11-foot lanes with 5-foot shoulders. The new concrete integral abutments will be constructed behind the existing stone abutments, which will remain. Piles will be augered 10 feet from the face of the existing abutments which will increase the structure length to 140 feet. The span lengths will each be 70 feet in length. The concrete caps of the existing abutments will be removed. The existing stone pier will be utilized, removing the existing concrete cap and replacing it with a widened concrete cap. In-line concrete wingwalls with end blocks to accommodate metal beam rail attachment will be constructed. The end blocks will be stone form lined to match the existing stone work of the area. The approach roadways will be reconstructed to accommodate the widened roadway section of the bridge. The existing drainage consists of sheet flow at the site. The proposed drainage will remain consistent with the existing condition despite the additional impervious area. Additional drainage structures will not be added.

The majority of construction will be performed utilizing a 10-week closure of Route 275 at the bridge site. An all state detour route, approximately 7 miles in length, will be posted to facilitate traffic around the work area. It is anticipated that local traffic will utilize town roads in the area to navigate around the work area. There is no rights-of-way involvement for this project. It is anticipated that construction will begin in the summer of 2015 and be completed in the fall of 2015.

**Part IV: Construction Activity Details (Continued)**

9. Describe all natural and manmade features impacted by the subject activity, including wetlands, watercourses, fish and wildlife habitat, floodplains, and structures and appurtenances thereto, and the impact of the subject activity on such features.

According to the June 11, 1982, Panel 0901100010D and the January 2, 1981, Panel 0901280005C, Tolland County Flood Insurance Rate Map, the project is located within a FEMA Flood Zone A10 and Floodway.

In-water work consists of installing channel boulders for fish habitat, and unconfined in-water work to repoint the existing stone masonry pier. Access to the pier for reconstruction will utilize a temporary work bridge. The pier will be repointed above the Ordinary High Water line from the water with the use of hand tools and a Department approved mortar. Repointing of the pier below the Ordinary High Water line will utilize a Department approved underwater mortar, and will be installed according to the manufacturer's written direction and as directed by the manufacturer's qualified technical representative. The underwater mortar is very viscous and does not bleed like conventional mortar. This consistency allows for easier cleanup in the event of accidental discharges. This project will not utilize water handling devices. All in-water work must be limited to the dates of June 1<sup>st</sup> to September 30<sup>th</sup>. The Willimantic River is one of the most diverse and utilized fishery resources in Eastern Connecticut containing some 18 species of freshwater fish. The river supports a coldwater fishery consisting of both wild and stocked trout. In-stream habitats will be enhanced through the installation of two clusters of 4 boulders placed in the channel. One cluster of boulders will be placed upstream, and the other will be placed downstream of the bridge. Coordination has taken place with CT DEEP Fisheries Division and all of their comments have been adequately addressed (see Attachment H for correspondence).

The proposed structure will remain hydraulically inadequate and experience weir flow during the 100-year storm event, but will pass the 10-year storm. The computed water surface elevation at the upstream face of the proposed bridge for the 100-year storm is 275.99 feet. This water surface elevation indicates weir flow over the bridge since the low chord elevation is 272.54 feet and the minimum roadway surface elevation is 270.12 feet. The profile of the roadway and low chord would have to be raised approximately 5.5 feet to achieve the required 2 feet of underclearance. Raising the profile is not practicable given the location of the bridge to existing roadway intersections and the railroad crossing located east of the bridge, along with impacts to private properties and additional impacts to the Willimantic River and surrounding wetlands. A separate official letter of exemption request will be prepared detailing the specifics of non-compliance with the State of Connecticut Flood Management Statutes and Regulations, Section 25-68h-3(e) (1), "Stormwater Management standards" for bridges.

Impacts to the stream will be minimized through adherence to the Form 816 Section 1.10 Best Management Practices (BMP's) and the 2004 Stormwater Quality Manual. Sedimentation and Erosion Control Systems will be installed as necessary to limit disturbances to protect the wetlands and watercourses through adherence to the 2002 Erosion and Sedimentation Guideline Manual. In addition, impacts will be minimized with the temporary debris shield over the river.

Permanent impacts to wetlands and watercourses will amount to approximately 129 sq. ft. (0.003 acres). Permanent impacts are a result of placement of boulders in the channel for fisheries enhancements. Temporary impacts to wetlands and watercourses will amount to approximately 499 sq. ft. (0.011 acres). Temporary impacts are a result of repointing the pier from the water with the use of hand tools.

Impacts to the floodplain will amount to approximately 555 cubic yards of excavation and 925 cubic yards of fill, with a total net fill of 370 cubic yards within the floodplain due to removal and replacement of the superstructure and boulders in the channel.

**Part II: Requestor Information (continued)**

**2. Billing contact, if different than the requester.**

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

Email:

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

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

Email:

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

**4. Attorney or other representative, if applicable:**

Firm Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Attorney:

Email:

**5. Site Owner, if different than the requester.**

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

Email:

**Part II: Requestor Information (continued)**

6. Engineer(s) or other consultant(s) employed or retained to assist in preparing the request or in designing or constructing the activity.

Name: Close, Jensen and Miller, P.C.

Mailing Address: 1137 Silas Deane Highway

City/Town: Wethersfield

State: CT

Zip Code: 06109

Business Phone: 860-563-9375

ext. 274

Contact Person: Emma Lane

Title: Environmental Coordinator

Email: elane@cjmpc.com

Service Provided: Permit Application, Hydrology & Hydraulics and Design

Check here if additional sheets are necessary, and label and attach them to this sheet.

**Part III: Site Information**

**1. SITE NAME AND LOCATION**

Name of Site : Bridge No. 02866

Street Address or Location Description: Route 275 over Willimantic River

City/Town: Coventry and Mansfield

State: CT

Zip Code: 06238

Tax Assessor's Reference: Map N/A

Block N/A

Lot N/A

Latitude and longitude of the exact location of the proposed activity in degrees, minutes, and seconds or in decimal degrees: Latitude: 41° 47' 2.48" N Longitude: 72° 16' 51.69" W

Method of determination (check one):

GPS  USGS Map  Other (please specify):

If a USGS Map was used, provide the quadrangle name: Coventry

2. INDIAN LANDS: Is or will the facility be located on federally recognized Indian lands?  Yes  No

3. COASTAL BOUNDARY: Is the activity which is the subject of this registration located within the coastal boundary as delineated on DEEP approved coastal boundary maps?  Yes  No

If yes, and this registration is for a new authorization, or a modification of an existing authorization where the physical footprint of the subject activity is modified, you must submit a Coastal Consistency Review Form (DEEP-APP-004) with your registration as Attachment C.

Information on the coastal boundary is available at [www.cteco.uconn.edu/map\\_catalog.asp](http://www.cteco.uconn.edu/map_catalog.asp) (Select the town and then select coastal boundary. If the town is not within the coastal boundary you will not be able to select the coastal boundary map.) or the local town hall or on the "Coastal Boundary Map" available at DEEP Maps and Publications (860-424-3555).

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

4. **ENDANGERED OR THREATENED SPECIES:** According to the most current "State and Federal Listed Species and Natural Communities Map", is the project site located within an area identified as a habitat for endangered, threatened or special concern species?  Yes  No Date of Map: Dec 2014

If yes, complete and submit a Request for NDDB State Listed Species Review Form (DEEP-APP-007) to the address specified on the form. Please note NDDB review generally takes 4 to 6 weeks and may require additional documentation from the registrant.

A copy of the completed Request for NDDB State Listed Species Review Form and the CT NDDB response *must* be submitted with this completed registration 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.

5. **AQUIFER PROTECTION AREAS:** Is the site located within a mapped Level A or Level B Aquifer Protection Area, as defined in CGS section 22a-354a through 22a-354bb?

Yes  No If yes, check one:  Level A or  Level B

If Level A, are any of the regulated activities, as defined in RCSA section 22a-354i-1(34), conducted on this site?  Yes  No

If yes, and your business is not already registered with the Aquifer Protection Program, contact the local aquifer protection agent or DEEP to take appropriate actions.

For more information on the Aquifer Protection Area Program visit the DEEP website at [www.ct.gov/deep/aquiferprotection](http://www.ct.gov/deep/aquiferprotection) or contact the program at 860-424-3020.

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

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

**Part IV: Construction Activity Details**

1. Proposed Date of Initiation of Activity: Summer 2015

2. Anticipated Date of Completion: Fall 2015

3. Name of the wetland or watercourse involved with or adjacent to the subject activity:  
Willimantic River

4. Is the subject activity within a watercourse or floodplain?  Yes  No

5. Will the subject activity be within a FEMA floodway?  Yes  No

6. If the project requires a Flood Management Certification for the subject activity, provide the Flood Management Certification Number: FM-201503335

**Part IV: Construction Activity Details (continued)**

7. Disturbance to wetlands, watercourses and flood plains:

Wetlands (acres):

excavation: 0 ac.                      fill: 0.014 ac.                      total disturbance: 0.014 ac.

Floodplain (cubic yards):

excavation: 555 cy.                      fill: 925 cy.                      net: 370 cy.

Watercourse (linear feet): 40 feet.

8. Describe the present and intended use(s) of the property at which the subject activity will be conducted and the reason for conducting or maintaining the activity.

**See attached sheet 6A.**

9. Describe all natural and manmade features impacted by the subject activity, including wetlands, watercourses, fish and wildlife habitat, floodplains, and structures and appurtenances thereto, and the impact of the subject activity on such features.

**See attached sheet 6B.**

Check here if additional sheets are necessary, and label and attach them to this sheet.

## Part V: Supporting Documents

Check the applicable box below for each attachment being submitted with this request. 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 requester's name as indicated on this request. ***In order to file electronically, ALL supporting documents must be submitted in an electronic format on a CD with this original completed application in hard copy.***

- Attachment A: Location Map: A depiction, on an 8.5" x 11" copy of the relevant portion of the most recent version of the United States Geologic Survey topographic map (Scale 1:24,000), of the exact location of the property at which such activity will be conducted.
- Attachment B: Site plan pursuant Section 4(c) (2) (l) of the subject general permit.
- 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: Conservation or Preservation Restriction Information, if applicable.
- Attachment F: A copy of the Category 2 approval letter from the Army Corps of Engineers, or a copy of the Appendix 1A: Category 1 Certification Form filed with the US Army Corps of Engineers, if applicable.
- Attachment G: Drainage Maintenance Plan, Trail Maintenance Plan, Boat Launch Maintenance Plan, or Beach Maintenance Plan for Inland Beaches as defined in Section 2 of the subject general permit, if applicable.
- Attachment H: Other information provided by requester (list): Flood Insurance Rate Map, State Historic Preservation Office correspondence, Inland Fisheries Division Coordination Transmittal Memorandum, Environmental Monitor, Last Green Valley, and Site Photos.

**Part VI: 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. If the requester is the preparer, please mark N/A in the spaces provided for the preparer.

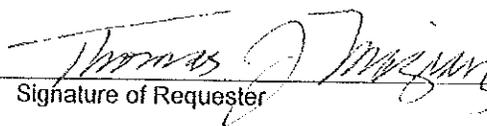
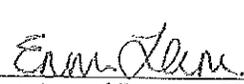
"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate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

I certify that this general permit request for authorization is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I understand that the subject activity is authorized only on or after the date the commissioner issues a written approval of registration with respect to such activity.

I certify that a complete copy of this request for authorization, including all documents attached thereto, was sent by regular or certified mail or was hand delivered to the municipal wetlands agency, zoning commission, planning commission or combined planning and zoning commission, and conservation commission of each municipality which is or may be affected by the subject activity.

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."

	7-24-2015
Signature of Requester	Date
Thomas J. Maziarz	Bureau Chief - Policy and Planning
Name of Requester (print or type)	Title (if applicable)
	7/23/15
Signature of Preparer (if different than above)	Date
Emma Lane	Environmental Coordinator
Name of Preparer (print or type)	Title (if applicable)
<input type="checkbox"/> Check here if additional signatures are required. If so, please reproduce this sheet and attach signed copies to this sheet. You must include signatures of any person preparing any report or parts thereof required in this registration (i.e., professional engineers, surveyors, soil scientists, consultants, etc.)	

Note: Please submit this completed Request for Authorization, Fee, and all Supporting Documents to:

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

You must submit a complete copy of this completed request for authorization, including supporting documents, to the municipal wetlands agency, zoning commission, planning commission or combined planning and zoning commission, and conservation commission of each municipality which is or may be affected by the subject activity.

# Attachment A: Location Map

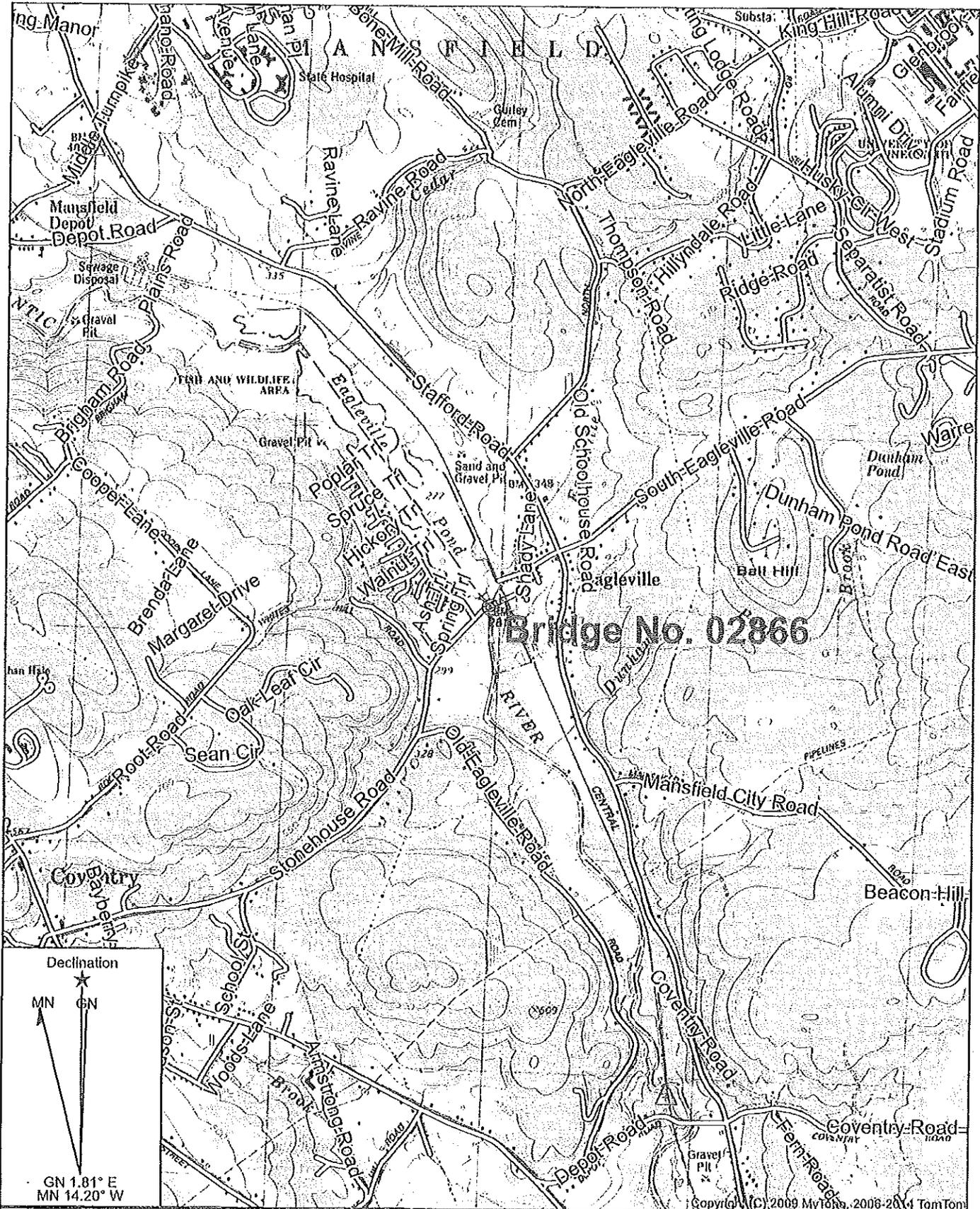
## General Permit for Water Resource Construction Activities

Applicant: State of Connecticut, Department of Transportation  
Project No. 32-148 (Constr.), 170-3250 (P.E.)  
Replacement of Bridge No. 02866 in Coventry  
Route 275 over Willimantic River

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### List of Attachments

- U.S.G.S. Topographic Quadrangle Map No. 40  
QUAD: Coventry  
Scale: 1"=2,000  
Dated: August 1, 2014



# Attachment B: Site Plan

## General Permit for Water Resource Construction Activities

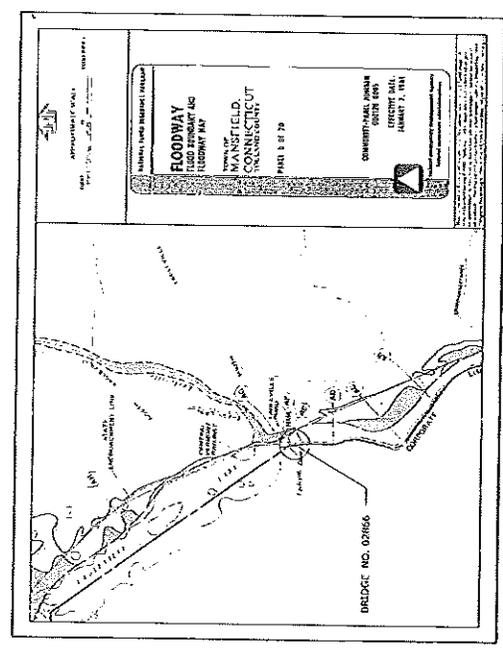
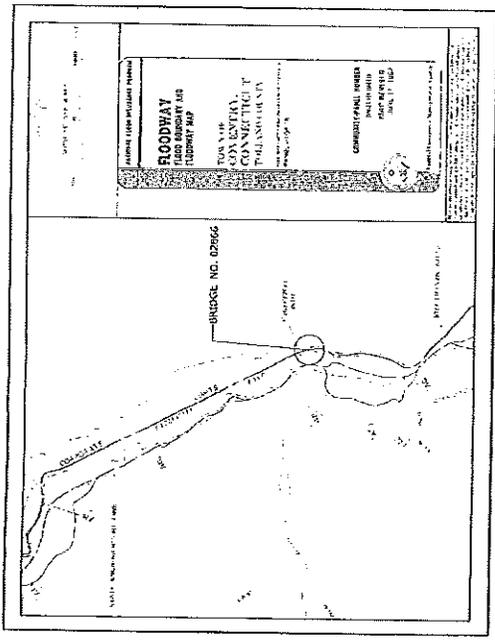
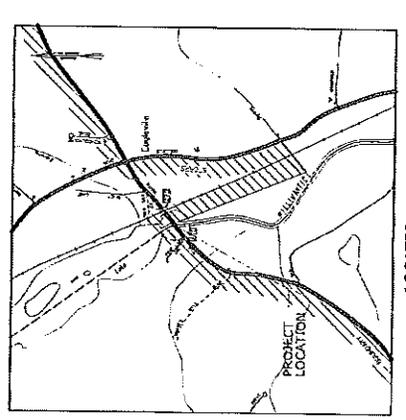
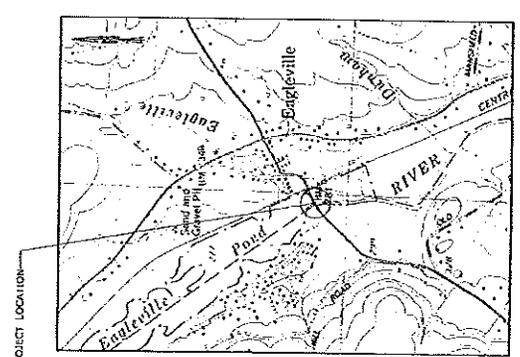
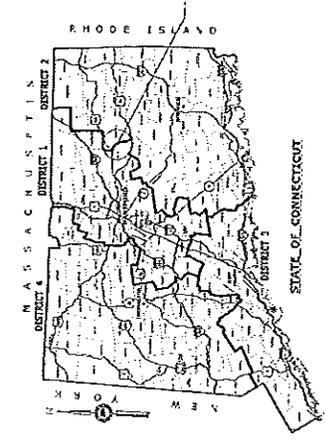
Applicant: State of Connecticut, Department of Transportation  
Project No. 32-148 (Constr.), 170-3250 (P.E.)  
Replacement of Bridge No. 02866 in Coventry  
Route 275 over Willimantic River

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### List of Plan Sheets and Drawings

Sheet 1	Title Sheet	July 2015
Sheet 2	Wetland Impact Plan	July 2015
Sheet 3	FEMA Floodplain Impact Plan	July 2015
Sheet 4	Roadway Plan	July 2015
Sheet 5	General Plan and Elevation	July 2015
Sheet 6	Demolition Plan	July 2015

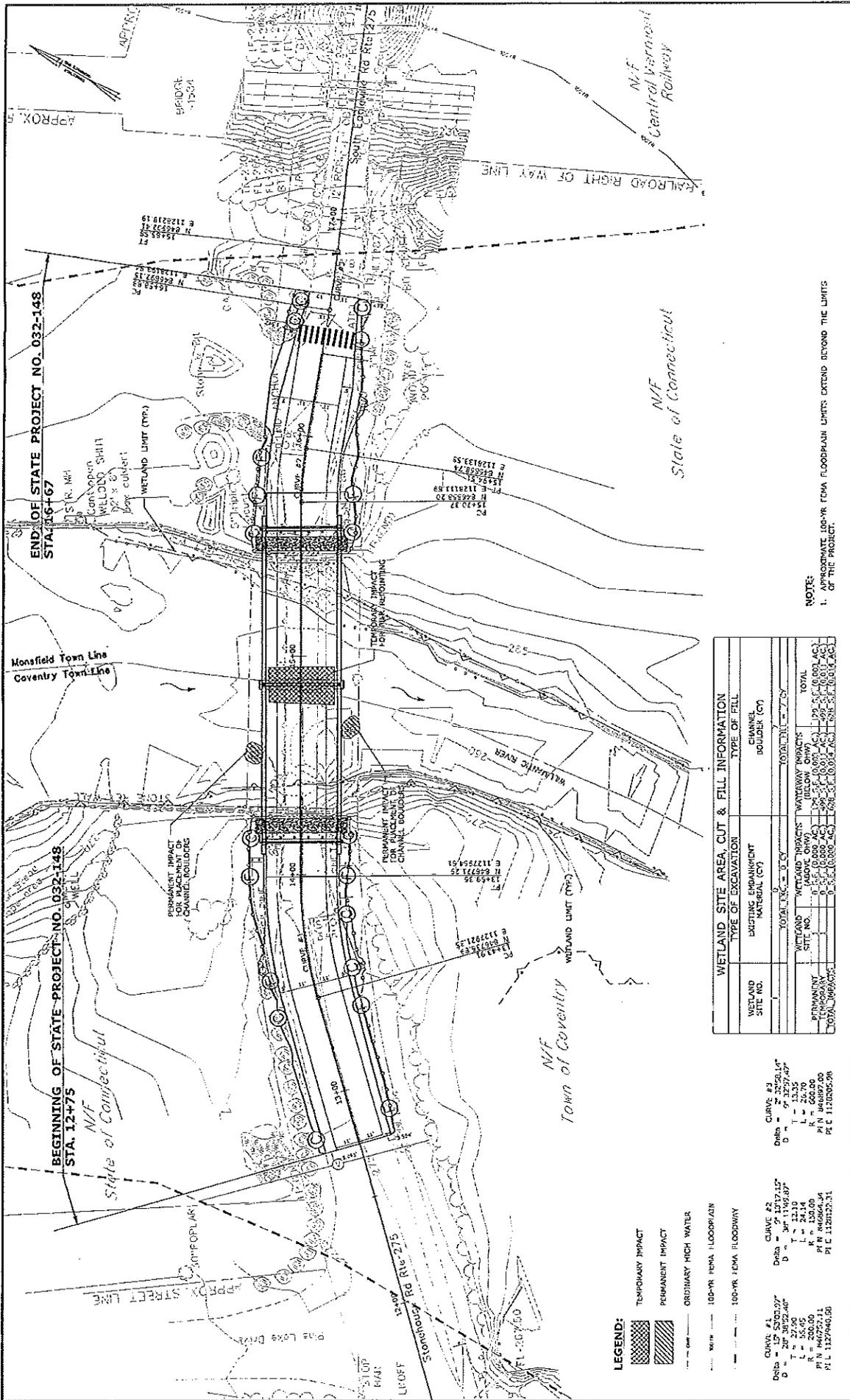
# ENVIRONMENTAL PERMIT PLANS STATE PROJECT NO. 032-148 REPLACEMENT OF BRIDGE NO. 02866 IN THE TOWNS OF COVENTRY AND MANSFIELD



- GENERAL NOTES:**
1. ALL PERTINENT INFORMATION SUBJECT TO THE IMPACT OF THE WETLANDS IS SHOWN AND CALLED OUT ON CHANGES AND LOCATION PLAN. TECHNICAL REVISIONS WILL BE ACQUIRED WHEN THE DOT MAKES DESIGN CHANGES THAT IMPACT THE WETLANDS.
  2. SET THE PERMIT APPLICATION FOR A DISCUSSION OF THE WATERCOURCES, WETLAND AND WETLAND SOILS (BIOLOGIST REPORT), AND ADDITIONAL NARRATIVE INFORMATION.
  3. NOTE THAT ALL ELEVATIONS ON THIS PROJECT ARE BASED ON NAVD 83ER VERTICAL DATUM.
  4. WETLAND DELINEATION BY GZA GEOTECHNICAL INC. IN AUGUST, 2014.

DEPARTMENT OF TRANSPORTATION  
STATE OF CONNECTICUT  
DIVISION OF HIGHWAYS  
DESIGN SECTION  
PROJECT NO. 032-148  
SHEET NO. 1

<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	<p>REPLACEMENT OF BRIDGE NO. 02866 ROUTE 275 OVER WILLIMANTIC RIVER</p>	<p>COVENTRY AND MANSFIELD TITLE SHEET</p>
<p>PROJECT NO. 032-148 SHEET NO. 1</p>		



**LEGEND:**

- TEMPORARY IMPACT
- PERMANENT IMPACT
- ORDINARY HIGH WATER
- 100-YR FEMA FLOODPLAIN
- 100-YR FEMA FLOODWAY

**WETLAND SITE AREA, CUT & FILL INFORMATION**

WETLAND SITE NO.	TYPE OF EXCAVATION	TYPE OF FILL
	EXISTING EMBANKMENT MATERIAL (CY)	CHANNEL BOULDER (CY)
	TOTAL: 0	TOTAL: 7.57

**WETLAND IMPACTS WATERWAY IMPACTS**

WETLAND SITE NO.	ADVERSE CHNG. BELOW CHNL	TOTAL
PERMANENT	0	0
TEMPORARY	0	0
TOTAL WETLANDS	0	0

**NOTE:**  
1. APPROXIMATE 100-YR FEMA FLOODPLAIN LIMITS EXTEND BEYOND THE LIMITS OF THE PROJECT.

PROJECT NO. 032-148

CONTRACT TITLE: REPLACEMENT OF BRIDGE NO. 02866 ROUTE 275 OVER WILLIMANTIC RIVER

DATE: 11/20/05

SCALE: 1" = 20'

DATE: 11/20/05

SCALE: 1" = 20'

PROJECT NO. 032-148

CONTRACT TITLE: COVENTRY AND MANSFIELD WETLAND IMPACT PLAN

DATE: 11/20/05

SCALE: 1" = 20'

DATE: 11/20/05

SCALE: 1" = 20'

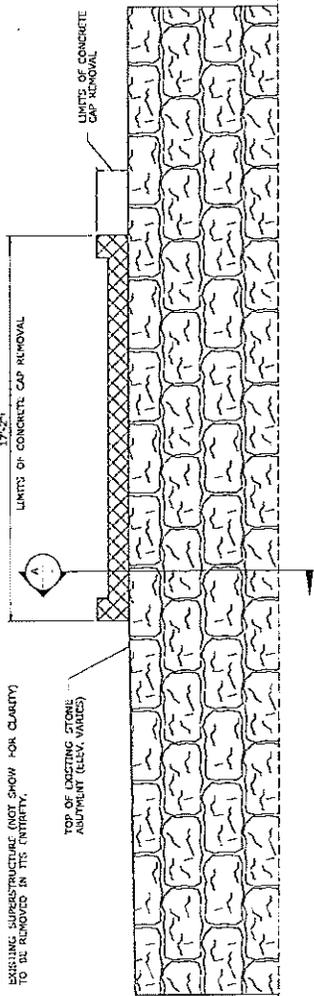
STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION



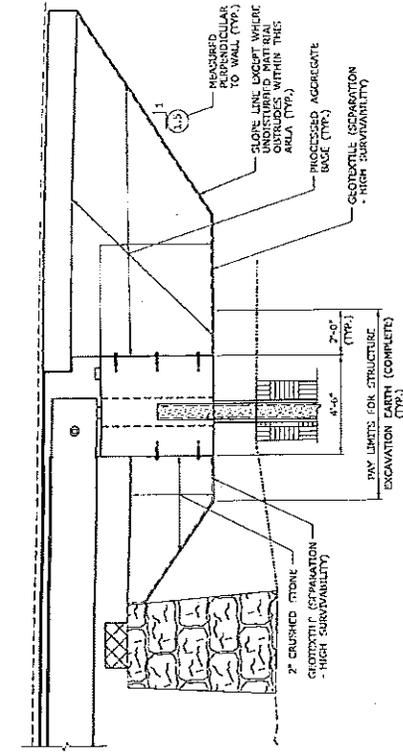




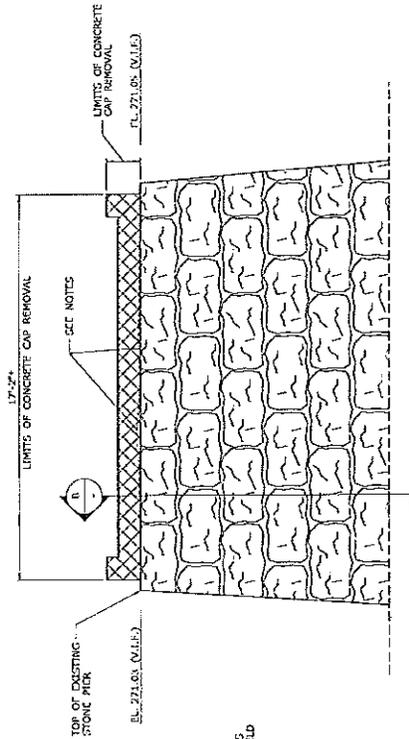
**NOTE:**  
EXISTING SUPERSTRUCTURE (NOT SHOWN FOR CLARITY) TO BE REMOVED IN ITS ENTIRETY.



**ABUTMENT 2 ELEVATION**  
**ABUTMENT 1, SIMILAR**



**A SECTION**



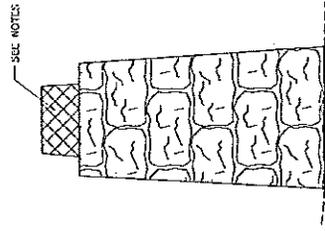
**PIER ELEVATION**

**NOTE:**  
THE DEPICTION OF THE STONES SHOWN IS NOT BASED ON FIELD SURVEY. FIELD CONDITIONS WILL VARY.

**LEGEND:**



LIMITS OF CONCRETE REMOVAL



**B SECTION**

**PIER ACCESS:**

THE CONTRACTOR SHALL PROVIDE A TEMPORARY ACCESS BRIDGE AND PROTECTION TO THE PIER AND WORK AREAS BENEATH THE BRIDGE UTILIZING APPROVED MATERIALS AND METHODS. THE BRIDGE SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. BRIDGE INSPECTION EQUIPMENT AS REQUIRED AND WORK ON EQUIPMENT SHALL BE ALLOWED IN THE WATER WITH THE EXCEPTION OF WORKERS IN THE WATER FOR THE PURPOSE OF MAINTENANCE OR REPAIR. THE BRIDGE SHALL BE IN ACCORDANCE WITH THE AASHTO GUIDE SPECIFICATIONS FOR BRIDGE. TEMPORARY WORKS TO SUIT SHALL BE INCLUDED IN THE COST OF THE BRIDGE. THE BRIDGE SHALL BE DESIGNED AND CONSTRUCTION SHALL BE INCLUDED IN THE COST OF THE BRIDGE. THE BRIDGE SHALL BE DESIGNED AND CONSTRUCTION SHALL BE INCLUDED IN THE COST OF THE BRIDGE. THE BRIDGE SHALL BE DESIGNED AND CONSTRUCTION SHALL BE INCLUDED IN THE COST OF THE BRIDGE.

**NOTES:**

- THE LIMITS OF REMOVAL SHALL BE TO A LEVEL ELEVATION. VARIATIONS IN THE FIELD STONE SHALL BE REMOVED TO THE HIGHEST POINT OF EXISTING MASONRY. SEE SPECIAL PROVISIONS "REMOVAL OF EXISTING MASONRY".
- WORK TO REMOVE THE EXISTING CONCRETE AND PORTION OF STONE SHALL BE AS APPROVED BY THE ENGINEER AND INCLUDED IN THE PAY ITEM "REMOVAL OF EXISTING MASONRY" (SEE SPECIAL PROVISIONS).

PROJECT NO. 032-148		CONTRACTOR COVENTRY AND MANSFIELD	
PROJECT TITLE REPLACEMENT OF BRIDGE NO. 02866		SHEET NO. DEMOLITION PLAN 6	
STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		SCALE: 3/4" = 1'-0"	
DATE: 07/14/2011		DRAWN BY: J. J. [unreadable]	
CHECKED BY: [unreadable]		APPROVED BY: [unreadable]	

# Attachment D: Natural Diversity Data Base

## General Permit for Water Resource Construction Activities

Applicant: State of Connecticut, Department of Transportation  
Project No. 32-148 (Constr.), 170-3250 (P.E.)  
Replacement of Bridge No. 02866 in Coventry  
Route 275 over Willimantic River

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### List of Attachments

- Natural Diversity Data Base Area map of Coventry dated December 2014.
- Letter from the State of Connecticut Department of Energy and Environmental Protection dated December 10, 2014 to Mr. Christopher Samorajczyk with a determination that the State Special Concern *Glyptemys insculpta* (wood turtle) is in the vicinity of the project, negative impacts are not anticipated if the protection strategies and protocols are followed.

# Natural Diversity Data Base Areas

COVENTRY, CT

December 2014

-  State and Federal Listed Species & Significant Natural Communities
-  Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas, if the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

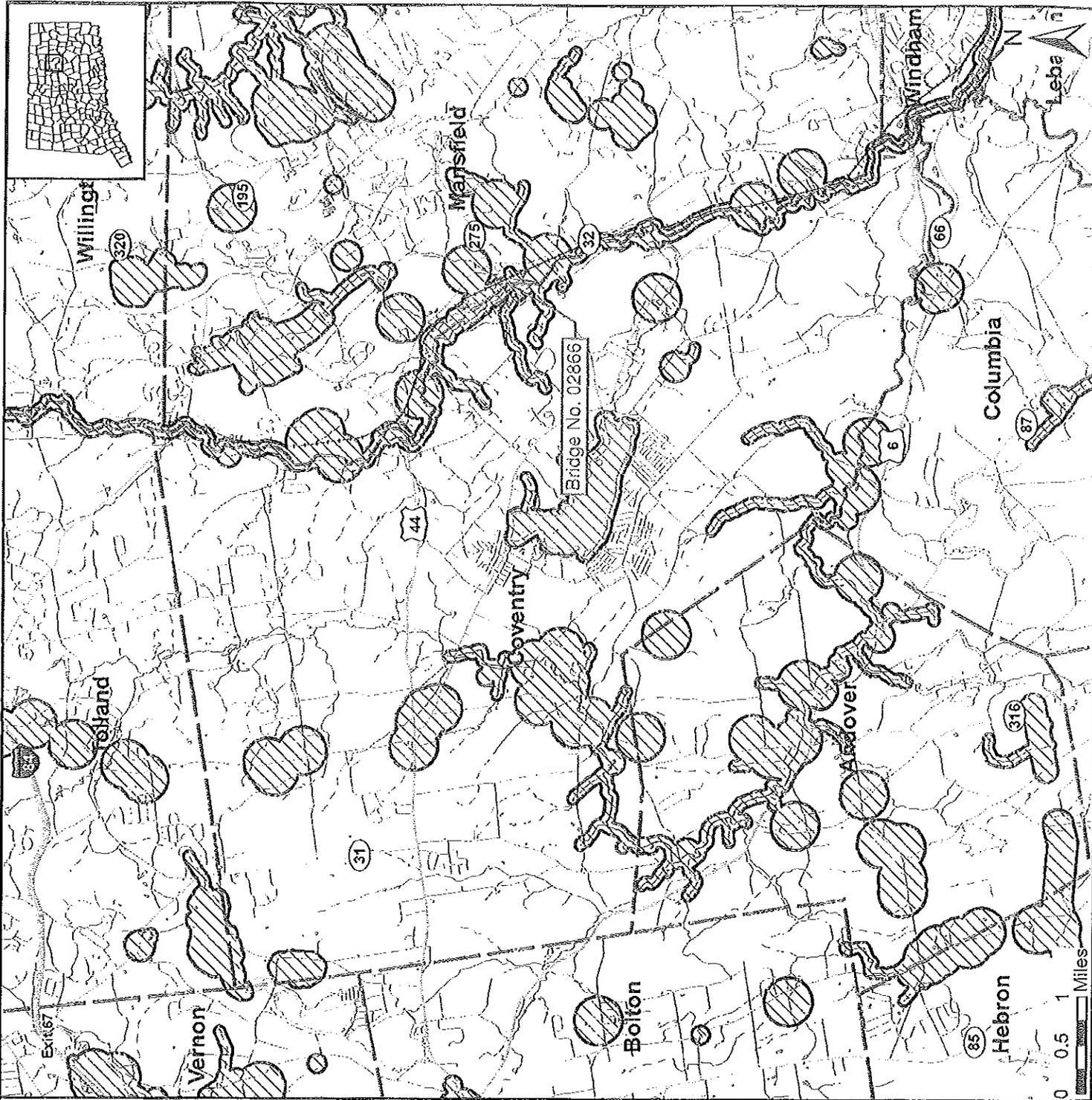
[www.ct.gov/deep/nddbrequest](http://www.ct.gov/deep/nddbrequest)

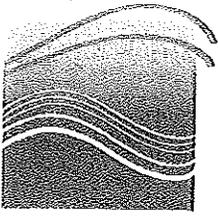
Use the CTECO Interactive Map Viewers at [www.cteco.uconn.edu](http://www.cteco.uconn.edu) to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)  
79 Elm St., Hartford CT 06106  
Phone (860) 424-3011



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





Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

December 10, 2014

Mr. Christopher Samorajczyk  
State of Connecticut  
Department of Transportation  
2800 Berlin Turnpike  
P.O. Box 31546  
Newington, CT 06131-7546  
christopher.samorajczyk@ct.gov

Project: CT DOT Emergency Declaration of Bridge No.02866, the Replacement of Bridge that Carries Route 275 over the Willimantic River in Coventry, Connecticut  
NDDDB Determination No.: 201411738

Dear Christopher,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed CT DOT emergency declaration of Bridge No. 02866, the replacement of the bridge that carries Route 275 over the Willimantic River in Coventry, Connecticut. According to our information we have records for State Special Concern *Glyptemys insculpta* (wood turtle) from the vicinity of this project. Thank you for including the protection strategies and protocols that will be in place to protect this species from project impacts. If these protection strategies are followed then the proposed activities will not have an adverse impact on the wood turtle. This determination is good for one year. Please re-submit an NDDDB Request for Review if the scope of work changes or if work has not begun on this project by December 10, 2015.

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. Also be advised that this is a preliminary review and not a final determination. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

Sincerely,

Dawn M. McKay  
Environmental Analyst 3

# Wood Turtle (*Glyptemys insculpta*) ID

The most prominent feature of the Wood Turtle is its shell. In fact, the Wood Turtle received its name not because it inhabits forested areas, but because of the sculpted appearance of its carapace. A turtle's shell is made up of two main parts. The top portion is called the carapace (Fig. 1) and the bottom chest plate is called the plastron (Fig. 2).

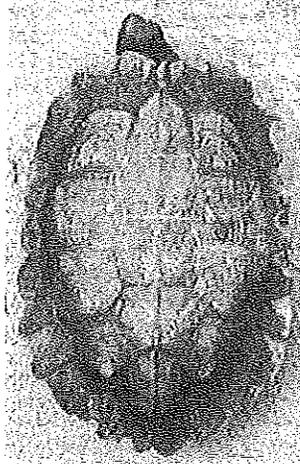


Figure 1

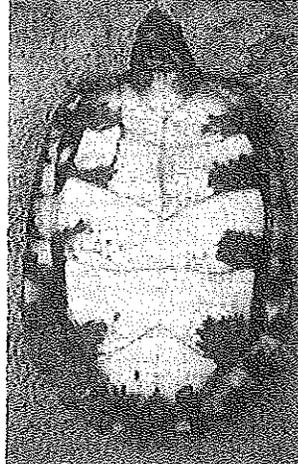


Figure 2

**IDENTIFICATION:** Wood turtles require riparian habitats bordered by flood plains, woodlands or meadows. Their summer habitat includes pastures, old fields, woodlands, power line cuts and railroad beds bordering or adjacent to streams and rivers. They hibernate submerged in tangled tree roots along the river banks in deep pools from November 1 to April 1. Wood turtles are most likely to be observed basking on logs, rocks, or other emerged areas in the wetlands during their active months.

Possession of any wood turtle is prohibited (Conn. Code Sec. 26-55-3-C) in Connecticut without regard to its origin, and collection within Connecticut is prohibited (Conn. Code Sec. 26-66-14-A). The wood turtle is a "Special Concern" species in Connecticut. These turtles shall not be harmed in any way.

If any Wood turtles are observed in or around the project area the Office of Environmental Planning must be notified at 860-594-2937 or 860-594-2938. If OEP staff cannot be reached at either of the above referenced phone numbers, the District environmental coordinator will need to be contacted to facilitate further coordination with OEP's Water and Noise Compliance Unit.

- a medium-sized turtle
- black head
- yellow plastron with black squares along the edges
- distinguished by its sculptured, rough, moderately-domed carapace
- Adults have a 5.5 -8 inch carapace length
- orange-red wash on its under limbs



**SECTION 1.10 ENVIRONMENTAL COMPLIANCE**

**In Article 1.10.03-Water Pollution Control:  
BEST MANAGEMENT PRACTICES**

*Add the following after Best Management Practice Number 14:*

15. The Contractor is hereby notified that the State listed species of Special Concern wood turtle (*Glyptemys insculpta*), is present within the Project limits. Wood turtles require riparian habitats bordered by floodplain, woodland, or meadows. Their summer habitat includes pastures, old fields, woodlands, power line cuts, and railroad beds bordering or adjacent to streams and rivers. Wood turtles spend most of their summer on land and can use areas up to 1500 feet from the streams/rivers where they overwinter. They hibernate submerged in tangled tree roots along river banks or in deep pools. For this reason, the Contractor can perform only upland work during the dormant season for this species, which is November 1 to April 1.

If work must be done during the wood turtle's active period (April 1 to November 1) the Department will require precautionary measures to protect the wood turtle and wood turtle habitat. All construction activities taking place within the turtle's active period will need to be coordinated with the Department.

The Contractor shall through the Engineer at least 10 days prior to the commencement of any construction activities, arrange for a CT DOT Environmental Inspector from the Office of Environmental Planning (OEP) or their authorized delegate to be available to meet and discuss proper protocol for maintaining environmental commitments made to the protection of this species and habitat. OEP will provide oversight through the District to ensure that the following protocols are followed and maintained during the course of the Project:

- a. Exclusionary practices will be required in order to prevent any wood turtle access to construction areas. These measures will need to be installed at the limits of disturbance as shown on the plans.
- b. All staging and storage areas, outside of previously paved locations, regardless of the duration of time they will be utilized, must be reviewed by and receive written approval from OEP through the District.
- c. All construction personnel working within wood turtle habitat must be apprised of the species description and the possible presence of a listed species.
- d. In areas where silt fence is used for exclusion, it shall be removed as soon as the area is stable to allow for reptile and amphibian passage to resume.
- e. Any wood turtles encountered within the immediate work area shall be carefully moved to an adjacent area outside of the excluded area and the field inspector must immediately contact OEP with the location.

- f. No heavy machinery or vehicles may be parked in any wood turtle habitat.
- g. Special precautions must be taken to avoid degradation of wetland habitats including any wet meadows and seasonal pools.
- h. The Contractor must search the work area each morning for the presence of the listed species prior to any work being done.

This species is protected by state laws which prohibit killing, harming, taking, or keeping them in your possession. Workers shall be notified of the existence of Wood turtles in this area and be apprised of the laws protecting them. Photographs and the laws protecting Wood turtles (species ID sheets will be provided by OEP) shall be posted in the Contractor's and DOT field office. Any observations of this species are to be immediately reported to OEP at (860) 594-2937 or (860) 594-2938. If OEP staff cannot be reached at either of the above referenced phone numbers, the District environmental coordinator will need to be contacted to facilitate further coordination with OEP's Water and Noise Compliance Unit.

# Attachment F: ACOE Category 1 Certification Form

## General Permit for Water Resource Construction Activities

Applicant: State of Connecticut, Department of Transportation  
Project No. 32-148 (Constr.), 170-3250 (P.E.)  
Replacement of Bridge No. 02866 in Coventry  
Route 275 over Willimantic River

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### List of Attachments

- Appendix 1A. Category 1 Certification Form will be filed with the US Army Corp of Engineers



**Appendix 1A: Category 1 Certification Form**  
(Required for all Inland Projects in Connecticut)

**US Army Corps  
of Engineers**  
New England District

Submit this form before work commences to the following addresses:

U.S. Army Corps of Engineers, Permits & Enforcement Branch B (CT),  
696 Virginia Road, Concord, MA 01742-2751

Connecticut Department of Energy & Environmental Protection, CT DEEP,  
Inland Water Resources Division, 79 Elm Street, Hartford, CT 06106-5127  
(not required if work is done within exterior boundaries of Mashantucket)

Permittee Name & Address: CTDOT/2800 Berlin Turnpike, P.O. Box 317546, Newington, CT

Phone number & Email address: 860-594-2931 mark.w.alexander@ct.gov

Work Location/Address: Bridge No. 02866, Route 275 over Willimantic River In Coventry and Mansfield, CT

Latitude/Longitude coordinates: 41° 47' 02.48" N/ 72° 16' 51.69" W

Waterway name: Willimantic River

Contractor Name & Address: TBD by bidding process

Phone number & Email address: \_\_\_\_\_

Proposed Work Dates: Start: Summer 2015 Finish: Fall 2015

**Work will be done within Inland Waters & Wetlands under the following categories – refer to Appendix 1 (check all that apply):**

1.A. New Fill and/or Fill Associated with Excavation

1.B. Stream Bank Stabilization

1.C. Repair & Maintenance of Existing Authorized or Grandfathered Fill.

Wetland impact: 0 square feet (sf) Waterway impact: 628 sf and/or 40 linear feet

**Brief Project Description** Bridge No. 02866 to be replaced with a precast concrete box beam superstructure. New abutments will be constructed behind the existing abutments and the existing pier will remain and support the proposed structure. There are no permanent or temporary impacts to the wetlands. Permanent impacts to the waterway (below the CHW line) will amount to 129 s.f. (0.003 ac.). Temporary impacts to waterway will amount to 499 s.f. (0.011 ac.).

Project purpose: To ensure the structural adequacy of Route 275 over Willimantic River.

**Secondary Impacts include but are not limited to impacts to inland waters or wetlands drained, dredged, flooded, cleared or degraded resulting from a single and complete project. See General Condition 3.**

Does your project include any of these secondary impacts? Y(N) – If yes, please describe them:

**Your signature below, as permittee, indicates that you accept and agree to comply with the terms, eligibility criteria, and general conditions of Category 1 of this Connecticut General Permit.**

Permittee Signature: \_\_\_\_\_

*Thomas J. Masjan*

Date: \_\_\_\_\_

7-28-2015

# Attachment H: Other Information

## General Permit for Water Resource Construction Activities

Applicant: State of Connecticut, Department of Transportation  
Project No. 32-148 (Constr.), 170-3250 (P.E.)  
Replacement of Bridge No. 02866 in Coventry  
Route 275 over Willimantic River

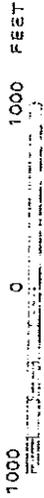
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### List of Attachments

- Flood Insurance Rate Map Panel 0901100010D, for Coventry, Tolland County.  
Dated: June 11, 1982
- Flood Insurance Rate Map Panel 0901280005C, for Mansfield, Tolland County.  
Dated: January 2, 1981
- Letter from the State of Connecticut Department of Transportation, Office of Environmental Planning dated December 31, 2014 with a determination that the project will have no adverse effect on Connecticut's historic, architectural and archaeological resources.
- Inland Fisheries Coordination Transmittal Memorandum and Correspondence with the State of Connecticut Department of Environmental Protection, Bureau of Natural Resources-Inland Fisheries Division dated March 18, 2015.
- Scoping notice for Bridge No. 02866 in the Environmental Monitor dated March 17, 2015.
- Email with the Last Green Valley dated March 10, 2015 to Mr. Mark J. McMillan stating that there are no comments related to historic interested for the proposed project.
- Site Photos



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
FLOOD INSURANCE RATE MAP

TOWN OF  
**COVENTRY,**  
**CONNECTICUT**  
TOLLAND COUNTY

PANEL 10 OF 15

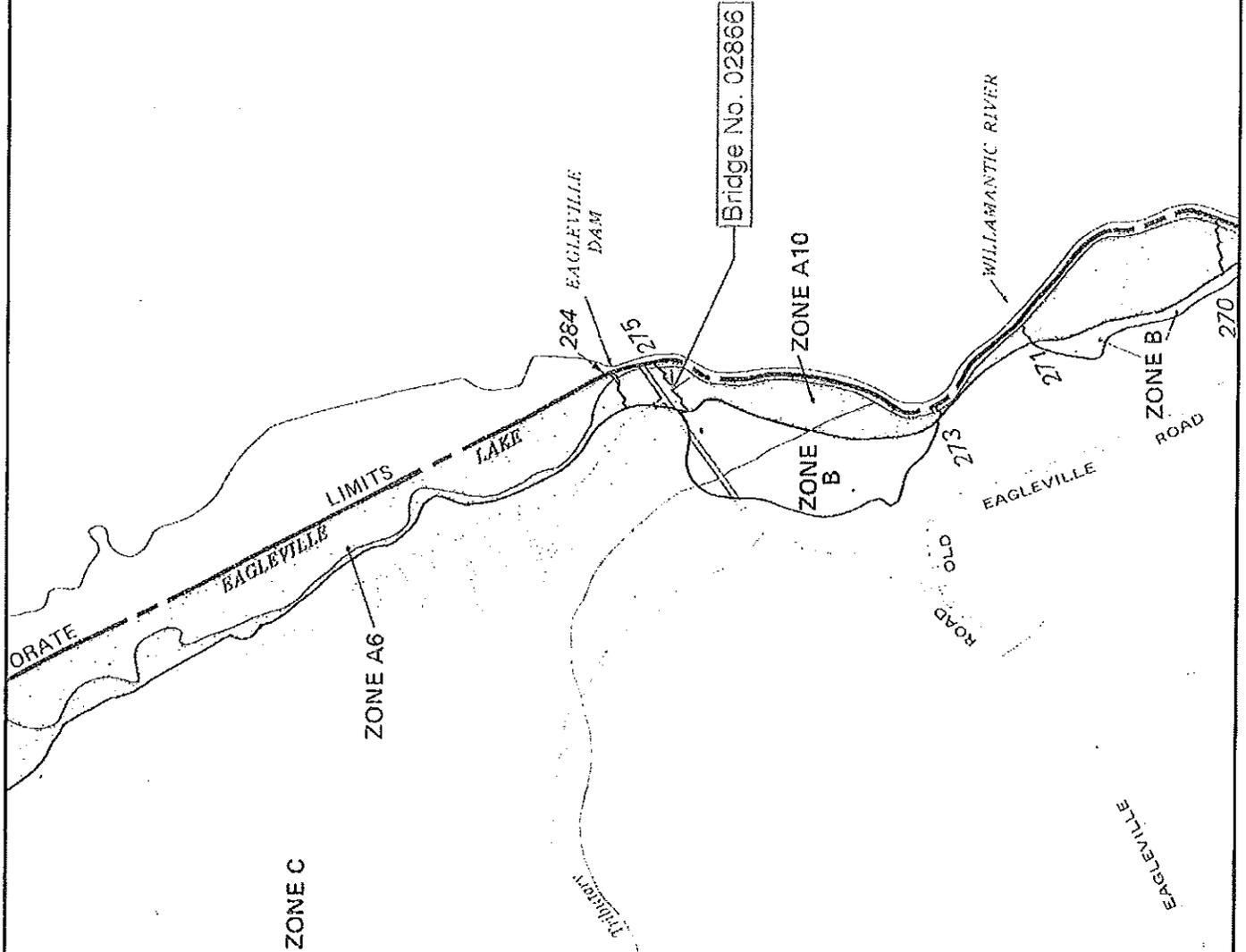
COMMUNITY-PANEL NUMBER  
090110 0010 D

MAP REVISED:  
JUNE 11, 1982



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.mec.fema.gov](http://www.mec.fema.gov)





APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
FLOOD INSURANCE RATE MAP

TOWN OF  
**MANSFIELD,**  
CONNECTICUT  
TOLLAND COUNTY

PANEL 5 OF 20

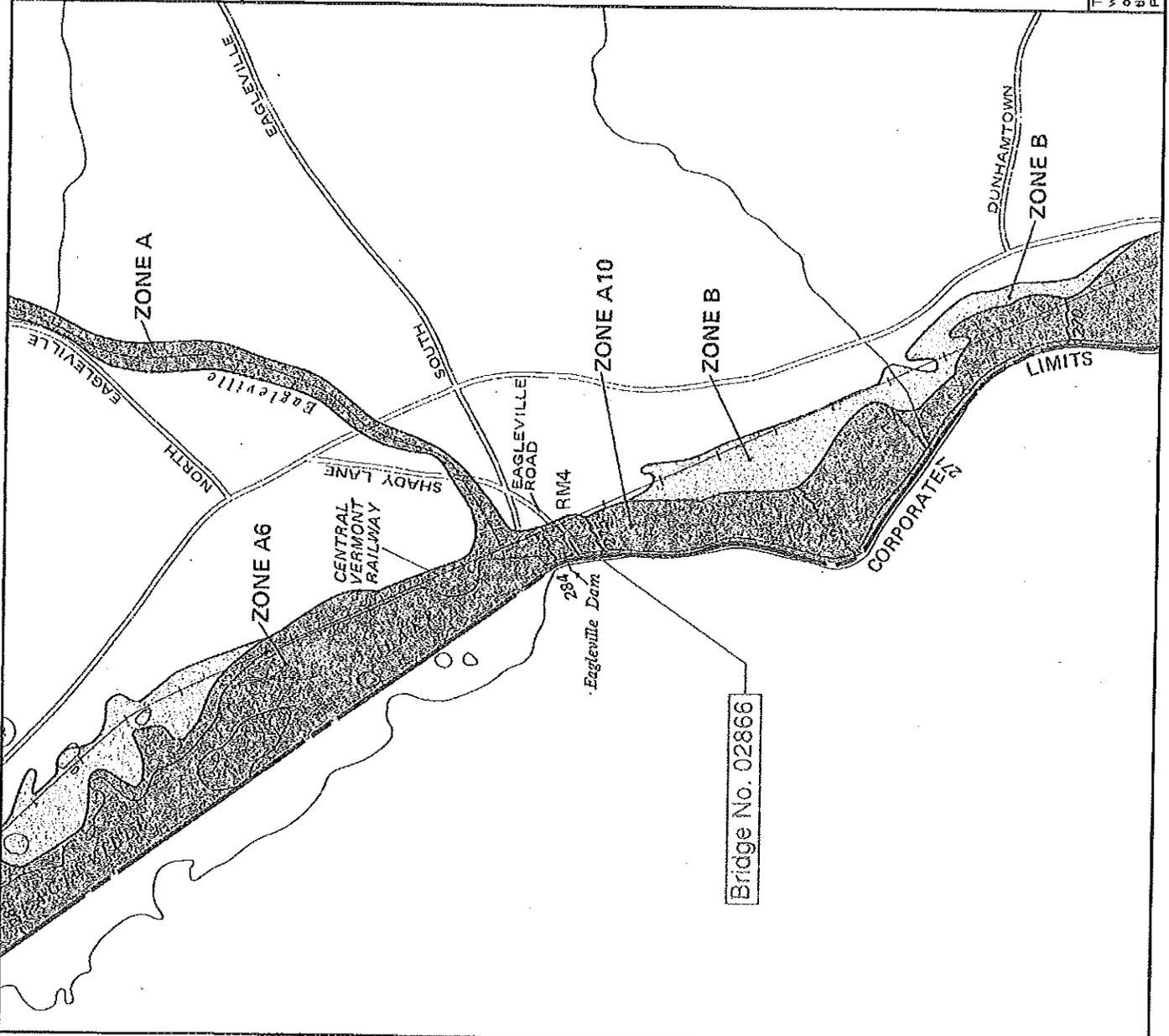
COMMUNITY-PANEL NUMBER  
090128 0005 C

EFFECTIVE DATE:  
JANUARY 2, 1981

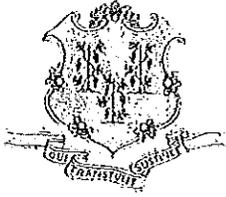


federal emergency management agency  
federal insurance administration

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps, check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



Bridge No. 02866



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546



Determination of Exemption
for Historic Properties

Table with project details: Author (Mark McMillan), Date (December 31, 2014), Project (State No., F.A.P. No., Project Title, Town), and Category of Exemption (Appendix B "Screened Undertakings...").

Project Description

The undertaking proposes to use federal and state funds to replace Bridge #02866, which carries Route 275 over the Willimantic River between Coventry and Mansfield (Image 1). Inspections by Connecticut Department of Transportation's (CTDOT) Bridge Safety and Evaluation Unit have determined that bridge is in Serious condition due to deterioration of its superstructure. It is also hydraulically inadequate and functionally obsolete. This combination of factors results in the bridge having a sufficiency rating of 7.0 (out of 100). In November 2014, CTDOT signed an Emergency Declaration to address this condition and accelerate design and construction of repairs.

Under the proposed rehabilitation, the existing superstructure will be replaced with a twin span precast, prestressed box beam system and will retain the existing abutments and central pier of the substructure. Route 275 will be closed for five-weeks during construction and traffic will be detoured to state roads. No in-water work is anticipated, nor will private property outside the existing road right-of-way be acquired. Construction is scheduled to begin in Summer 2015.

Technical Review of Project

Bridge #02866 is a two-span single lane bridge. Dimensionally, it is 14.3 feet wide and 122 feet long. Bidirectional traffic is controlled by stop signs at either end of the bridge, allowing for alternating one-way traffic. While Route 275 is a two-lane roadway at both approaches, a railroad overpass located 200 feet east of the bridge restricts the road again to a single lane (Image 2).

The bridge was constructed in 1900 and originally featured a wooden superstructure (Image 3). It is located 180 feet downstream of Eagleville Dam, which is an extant element of the Eagleville Mill complex. The abutments of the bridge are contiguous with masonry retaining walls that span from the bridge up to the dam. The mill was constructed in 1831 and operated until in the 1950s. During that time it produced cotton goods and later shoe lasts. The mill buildings have been demolished and the parcels surrounding the bridge are vacant and protected as municipal open space owned by the Town Of Coventry, the Department of Energy and Environmental Protection or CTDOT. There are trail heads and small parking lots on the parcels that abut the northwest and northeast corners of the bridge.

In 1973, the bridge superstructure was replaced with precast concrete box beams, while the original stone masonry abutments and central pier were retained. Concrete caps were added to the tops of the masonry pier and abutments and the east abutment was covered with a layer of shotcrete. The bridge retains some degree of integrity of its setting, location, and to a lesser extent, materials. However, the loss of the mill and alterations to the bridge itself has reduced this integrity to the point that, in the opinion of staff from the Office of Environmental Planning (OEP), it is Not Eligible for the National Register of Historic Places. This concurs with the "Not Eligible" determination currently on file in the statewide bridge inventory database maintained by CTDOT.

Under the scope of work of this undertaking the superstructure of the bridge will be replaced while the existing masonry abutments and central pier will be retained. The proposed new superstructure will be 32 feet wide and accommodate two lanes of vehicular traffic and two 5 foot wide shoulders. It will be composed of concrete box beams overlaid with a reinforced concrete slab. This system will be founded on new steel piles driven 10 feet behind the existing masonry abutments.

New concrete integral abutments will be constructed behind the existing stone abutments. They will include new precast concrete wing walls in the slope behind the existing masonry abutments (Image 4). These will feature in-line endblocks cast using form liners that simulate stone masonry, which will serve as attachment points for the new guiderails. Minor adjustments will be made to the original masonry features, such as removing the 1973 concrete caps and repointing the masonry. A new cast in place concrete cap will be installed on top of the masonry pier. This cap will cantilever beyond the pier to support the wider superstructure. Similarly, the approach roadways will be widened to match the new bridge deck. This will occur within the existing state road right-of-way and no acquisitions or easements are anticipated by this action.

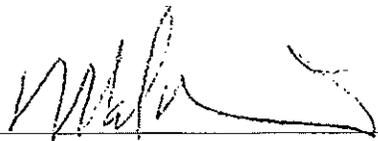
The bridge is surrounded by several types of sediments that are all considered to be of high archaeological sensitivity.<sup>1</sup> There are no known pre-contact archaeological sites within the area of potential effect. The nearest are over three-quarters of a mile beyond the undertaking's area of potential effect.

The soil disturbance anticipated by this undertaking is limited to the existing road right of way. Pile driving and excavation will be required in the zones that are ten feet from the existing abutments and some full-depth milling will be required to widen the approaches to the bridge. These areas have been previously disturbed by the construction and later demolition of the Eagleville Mill. The soils in question are categorized as Udorthents-Pits Complex (Gravelly). Predictive models find this type of sediment to have low archaeological sensitivity. Given the limited scope and low archaeological sensitivity of the soils in the area of potential effect, there is no foreseeable potential to impact intact resources that would be eligible for the National Register of Historic Places.

#### *Recommendation*

The subject undertaking can be categorized as a "Bridge/Culvert Related Project" of Appendix B "Screened Undertakings Not Requiring SHPO Review" of the Section 106 Programmatic Agreement.<sup>2</sup> Because Bridge #02866 is not eligible for the National Register of Historic Places and the limits of the proposed work are unlikely to impact intact, eligible archaeological resources, the OEP has determined that the undertaking is exempt from Section 106 review. This determination is consistent with the previous finding of "No Historic Properties Affected" made earlier this year. No further consultation with the Connecticut State Historic Preservation Officer (SHPO) is necessary. A copy of this determination will be included in the quarterly report of Minor Transportation Projects that is submitted to SHPO.

Bridge #02866 is within the Quinebaug-Shetucket National Heritage Corridor. A copy of this review will be sent to The Last Green Valley, who is the steward of this resource, for their review and comment.



Mark McMillan  
National Register Specialist  
Office of Environmental Planning  
Connecticut Department of Transportation

<sup>1</sup> Archaeologically sensitive soils surrounding the bridge include Hinckley Gravelly Sandy Loam (3-15% slopes), Saco Silt Loam, and Merrimac Sandy Loam.

<sup>2</sup> *Programmatic Agreement among the Federal Highway Administration, the Connecticut Department of Transportation, the Connecticut State Historic Preservation Officer, and the Advisory Council on Historic Preservation Regarding Implementation of Minor Transportation Projects*, signed October 26, 2012. Accessible online at: [www.ct.gov/culturalresources](http://www.ct.gov/culturalresources)

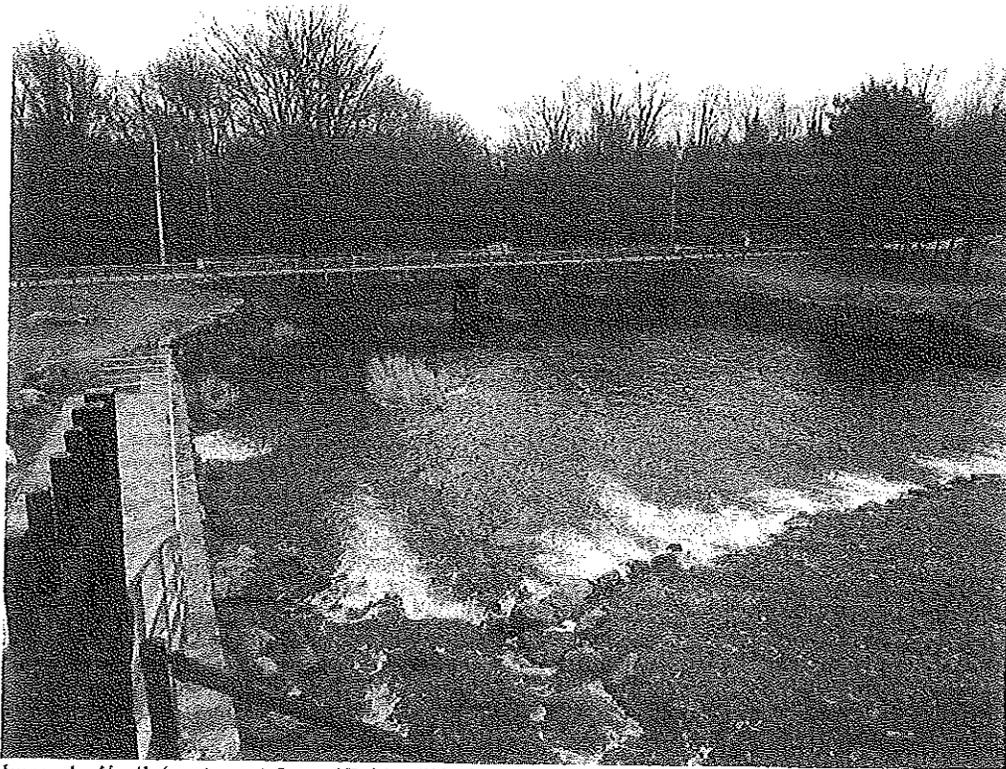


Image 1: North (upstream) face of Bridge #02866, viewed from the Eagleville dam.

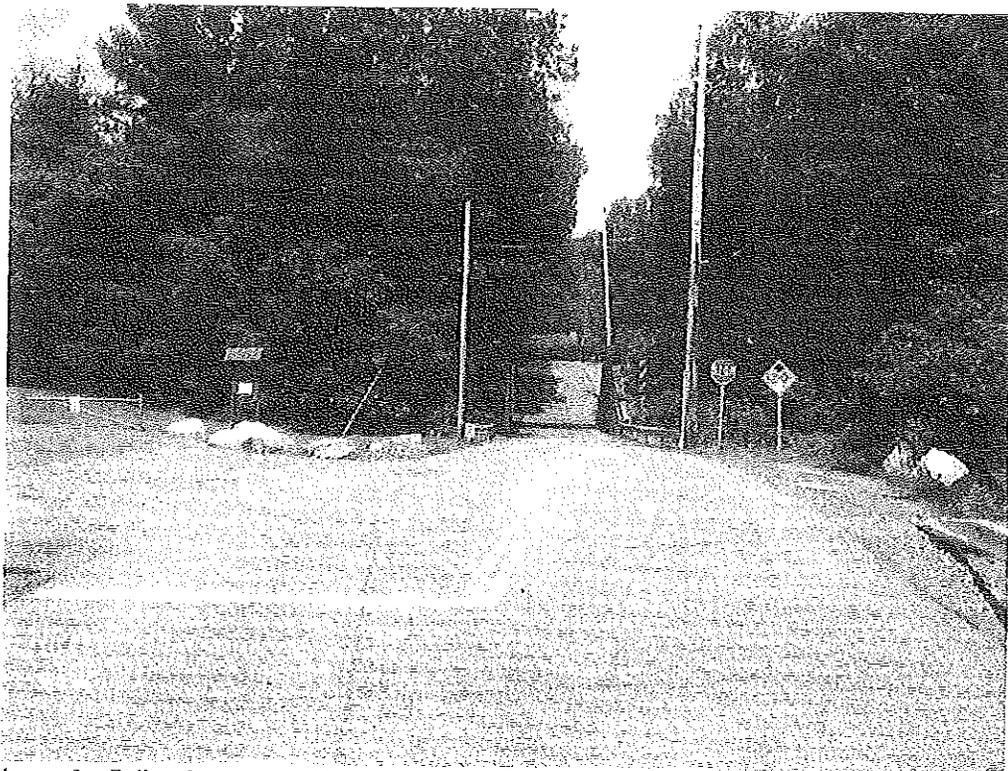


Image 2: Railroad overpass 200 feet east of Bridge #02866. The width of this overpass limits the roadway to a single lane, which may be the reason Bridge #02866 was not widened in 1973.

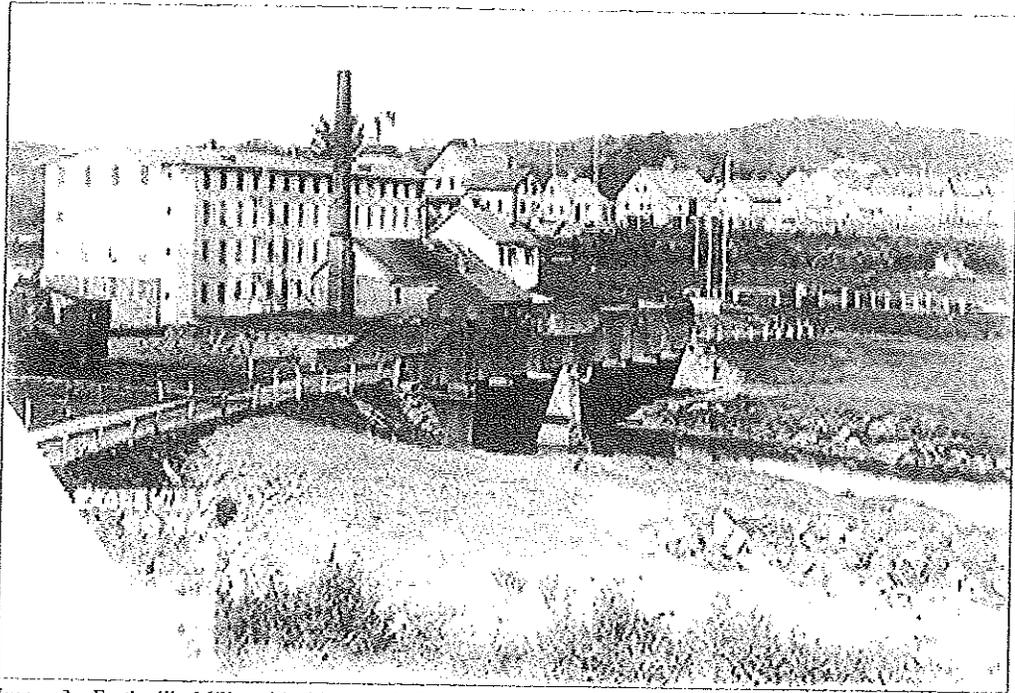
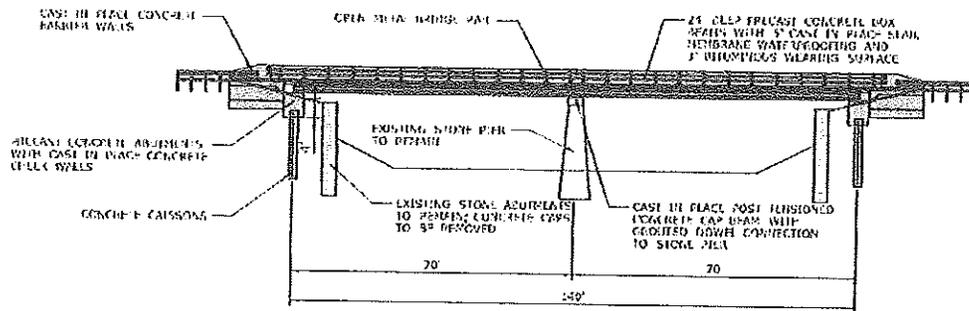


Image 3: Eggleville Mill and Bridge #02866, circa 1907. Both the mills and the wooden superstructure of the bridge are gone, but the masonry pier and abutments are still part of the bridge. Image courtesy of Willimantic River Alliance.



**ELEVATION**  
SCALE: 1" = 20'

Image 4: Elevation of proposed replacement structure. The new abutments and wing walls are highlighted in orange.



Emma Lane

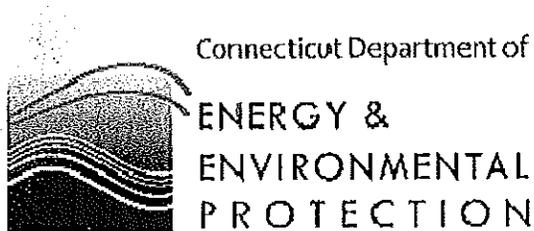
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**From:** Murphy, Brian [Brian.Murphy@ct.gov]  
**Sent:** Wednesday, March 18, 2015 9:28 AM  
**To:** Salter, Michael J  
**Cc:** Gephard, Steve; Barnett, Mindy  
**Subject:** RE: Project No. 31-148, Bridge No. 02866 - Fisheries Transmittal  
**Attachments:** FisheriesTransmittalMemoProj.31-148(02866).docx

Hi Mike,

I have no additional fisheries resource comments. Attached is the final signoff.

Regards,  
Brian D. Murphy, Senior Fisheries Habitat Biologist  
Inland Fisheries Division  
Habitat Conservation and Enhancement Program  
Connecticut Department of Energy and Environmental Protection  
Eastern District Headquarters  
209 Hebron Road  
Marlborough, CT 06447  
P: 860.295-9523 | F: 860.295.8175 | brian.murphy@ct.gov



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**From:** Salter, Michael J  
**Sent:** Tuesday, March 17, 2015 7:38 AM  
**To:** Murphy, Brian  
**Subject:** FW: Project No. 31-148, Bridge No. 02866 - Fisheries Transmittal

Brian,

Attached are a revised Fisheries Transmittal Form, revised plans, back-up information and previous correspondence. Please let me know if you have any questions.

Thank you,

Michael J. Salter  
Office of Environmental Planning

Connecticut Department of Transportation  
2800 Berlin Turnpike  
Newington, CT 06131  
Phone: (860) 594-2933  
Email: [michael.salter@ct.gov](mailto:michael.salter@ct.gov)

**From:** Emma Lane [<mailto:ELane@cjmpc.com>]  
**Sent:** Friday, March 13, 2015 3:37 PM  
**To:** Salter, Michael J  
**Cc:** Apanovitch, Ryan K; Ruiz, Lesgie M; Mark Levesque; Michael Woods  
**Subject:** 31-148, Bridge No. 02866 - Fisheries

Hi Mike,

Attached are the final Fisheries Coordination Memo and supporting documentation for the subject bridge to be forwarded to DEEP Fisheries for their final review and sign-off. Please let me know if you need any additional information.

Thank you,  
Emma

*Emma Lane*  
Environmental Coordinator

Close, Jensen and Miller, P.C.  
Phone: (860) 563-9375 Ext. 274  
Fax: (860) 721-1802  
Email: [elane@cjmpc.com](mailto:elane@cjmpc.com)

CTDEEP INLAND/MARINE FISHERIES DIVISION COORDINATION TRANSMITTAL MEMORANDUM

DOT Project #: 32-TBD  
Waterway: Willimantic River  
Project Description / Scope of work:  
Design contact: Emma Lane

Town: Coventry  
Drainage Basin Name & Number: Willimantic River Basin- 3100  
Town Initiated Project? No

Bridge #: 02866

**Initial Coordination**

The following information is provided as required:

Plan /submittal date: 12/10/2014

- Legible location map with project site clearly marked
- Description of scope of work and if developed, pertinent 1/2 scale plans as deemed relevant.
- Area photographs

To be completed by CTDEEP Fisheries Division and returned to DOT Environmental Planning Division

- Affect of proposal on our program interests is negligible. No further review is warranted.
- Additional information is required, a list of requested information is attached.
- Comments and recommendations are attached.

BDM: Initials  
2/6/2015: Date

**Structure Type Agreement**

The following information is provided as required:

- Copies of previous correspondence from Fisheries Division
- If previous recommendations cannot be incorporated, provide narrative explaining why.
- 1/2 scale plans of pertinent plan sheets including plan view, elevation view, profile and details as deemed relevant.

Plan date: \_\_\_\_\_

To be completed by CTDEEP Fisheries Division and returned to DOT Environmental Planning Division

- DEEP Fisheries agrees to the structure type presented in the plans.
- Unconfined in-stream work must be limited to : June 1 to September 30

Other comments and recommendations are attached.

BDM: Initials  
2/6/2015: Date

**Final Fisheries Sign-Off**

Check here if project is not FM MOU eligible and will be finalized through DEEP IWRD.

The following information is provided as required:

Plan date: 3/10/15

- Copies of all previous correspondence from Fisheries Division
- If previous recommendations cannot be incorporated, provide narrative explaining why.
- 1/2 scale plans of pertinent plan sheets including plan view, elevation view, profile and details as deemed relevant.

To be completed by CTDEEP Fisheries Division and returned to DOT Environmental Planning Division

- DEEP Fisheries comments have been adequately incorporated into project plans
- The attached Special Conditions must be incorporated into the contract language

Brian D. Murphy  
DEEP Fisheries Biologist

March 18, 2015  
Date

## Emma Lane

---

**From:** Michael Woods  
**Sent:** Wednesday, February 18, 2015 7:38 AM  
**To:** Emma Lane  
**Subject:** FW: Fisheries Review Request, Project No. 32-TBD, Route 275 over Willimantic River, Coventry/Mansfield  
**Attachments:** FisheriesTransmittalMemoProj.32-TBD(02866).docx  
**Importance:** Low  
**Categories:** Fisheries

**From:** Ruiz, Lesgie M [mailto:Lesgle.Ruiz@ct.gov]  
**Sent:** Tuesday, February 17, 2015 3:35 PM  
**To:** Michael Woods; Mark Levesque  
**Cc:** Bacho, Louis D  
**Subject:** FW: Fisheries Review Request, Project No. 32-TBD, Route 275 over Willimantic River, Coventry/Mansfield  
**Importance:** Low

**From:** Salter, Michael J  
**Sent:** Tuesday, February 17, 2015 3:26 PM  
**To:** Ruiz, Lesgie M  
**Cc:** Bacho, Louis D; Apanovitch, Ryan K; Carifa, Kevin F; Corrente, Paul N; Marseglia, Mark D; Piraneo, Andrew; Tedford, Christine A  
**Subject:** FW: Fisheries Review Request, Project No. 32-TBD, Route 275 over Willimantic River, Coventry/Mansfield  
**Importance:** Low

Lesgie,

Attached is the Fisheries Transmittal Form and comments (below) from Brian Murphy. Please let me know if you have any questions.

Thank you,

Michael J. Salter  
Office of Environmental Planning  
Connecticut Department of Transportation  
2800 Berlin Turnpike  
Newington, CT 06131  
Phone: (860) 594-2933  
Email: [michael.salter@ct.gov](mailto:michael.salter@ct.gov)

---

**From:** Murphy, Brian  
**Sent:** Tuesday, February 17, 2015 10:54 AM  
**To:** Salter, Michael J  
**Subject:** RE: Fisheries Review Request, Project No. 32-TBD, Route 275 over Willimantic River, Coventry/Mansfield  
**Importance:** Low

Hi Mike,

Thanks for that clarification. It is understood that the proposed project consists of replacing the existing bridge with a two span precast, prestressed box beam superstructure supported by integral concrete abutments founded upon augered steel piles. My fisheries resource comments previously provided are still representative of the proposed project design.

Regards,  
Brian D. Murphy, Senior Fisheries Habitat Biologist  
Connecticut Department of Energy and Environmental Protection  
Inland Fisheries Division  
Habitat Conservation and Enhancement Program  
209 Hebron Road  
Marlborough, CT 06447  
Phone: 860-295-9523  
Fax: 860-295-8175  
[brian.murphy@ct.gov](mailto:brian.murphy@ct.gov)



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**From:** Salter, Michael J  
**Sent:** Wednesday, February 11, 2015 3:08 PM  
**To:** Murphy, Brian  
**Subject:** RE: Fisheries Review Request, Project No. 32-TBD, Route 275 over Willimantic River, Coventry/Mansfield

Brian,

As a follow-up to our discussion today I want to clarify that the existing bridge is a two-span bridge supported by stone masonry abutments and center pier. The proposed project consists of replacing the existing bridge with a two span precast, prestressed box beam superstructure supported by integral concrete abutments founded upon augered steel piles. The new concrete integral abutments will be constructed behind the existing stone abutments, which will remain. The concrete caps of the existing abutments will be removed. The existing stone pier will be utilized, removing the existing concrete cap and replacing it with a widened cast in place post tensioned concrete cap. Please let me know if the comments below are still representative of your concerns based upon the proposed project design. If you need any additional information please let me know.

Thank you,

Michael J. Salter

Office of Environmental Planning  
Connecticut Department of Transportation  
2800 Berlin Turnpike  
Newington, CT 06131  
Phone: (860) 594-2933  
Email: [michael.salter@ct.gov](mailto:michael.salter@ct.gov)

**From:** Murphy, Brian  
**Sent:** Friday, February 06, 2015 1:40 PM  
**To:** Salter, Michael J  
**Cc:** Gephard, Steve; Barnett, Mindy  
**Subject:** RE: Fisheries Review Request, Project No. 32-TBD, Route 275 over Willimantic River, Coventry/Mansfield  
**Importance:** Low

Basin:3100

Hi Mike,

Per your request, I have had the opportunity to review fisheries resource requirements for DOT Project 32-TBD, involving a bridge replacement (Bridge #02866) over the Willimantic River, Route 275 in Coventry. It is understood that the existing single lane span bridge will be removed and replaced with a clear span bridge with two 11 ft. wide travel lanes and 5 ft. shoulders. Enclosed are my preliminary comments.

#### Fisheries Resources

The Willimantic River is one of the most diverse and utilized fishery resources in Eastern Connecticut containing some 18 species of freshwater fishes. The river supports a coldwater fishery consisting of both wild and stocked trout. Outside of the trout management area, the river is annually stocked by the Inland Fisheries Division with over 7,500 adult brook, brown and rainbow trout. Trout are stocked in this section of the river pre and post opening day of trout season with the Route 275 bridge being a popular fishing location given the two nearby parking lots.

#### Recommendations

1. The proposed new clear span bridge will maintain and preserve existing instream fish passage conditions within this section of the Willimantic River.
2. Instream habitats should be enhanced through the installation of random boulders to create resting and velocity refuges for the resident fish community. Two separate boulder clusters comprised of 4 boulders each would be sufficient. One cluster would be installed above the bridge and 1 below. Boulder size to ensure stability would have to be 3-4 feet in diameter.
3. It is critical that proper erosion and sedimentation controls must be installed and maintained throughout the duration of this project. Care should be exercised so as not to increase turbidity levels. As a best management practice, any instream work within the Willimantic River should be restricted to the period from June 1 to September 30, inclusive. A June 1 through September 30 timeframe can be utilized as an effective mitigation measure for construction related disturbances due to the following reasons: (1) timeframe will serve to protect the spawning, egg incubation, and fry development of resident fishes, (2) timeframe does not interfere with seasonal migratory behaviors, and (3) timeframe coincides with historic low rainfall levels in Connecticut a period in which instream construction activities such as dewatering, excavation, trenching, and cofferdam placement are most effective.

Regards,  
Brian D. Murphy, Senior Fisheries Habitat Biologist  
Connecticut Department of Energy and Environmental Protection  
Inland Fisheries Division  
Habitat Conservation and Enhancement Program

209 Hebron Road  
Marlborough, CT 06447  
Phone:860-295-9523  
Fax: 860-295-8175  
[brian.murphy@ct.gov](mailto:brian.murphy@ct.gov)



[www.ct.gov/deep](http://www.ct.gov/deep)

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**From:** Salter, Michael J  
**Sent:** Thursday, December 11, 2014 8:19 AM  
**To:** Murphy, Brian  
**Cc:** Davis, Andrew H; Apanovitch, Ryan K; Carifa, Kevin F; Corrente, Paul N  
**Subject:** Fisheries Review Request, Project No. 32-TBD, Route 275 over Willimantic River, Coventry/Mansfield

Brian,

Attached for your review is the Fisheries Transmittal Memo, project plans, site location map, project photos, and the initial project description for Project No. 32-TBD. This project is a Case II Emergency Declaration which will be on an accelerated design/permitting schedule (FDP: 4/1/2015, Construction: Summer 2015). Please review at your earliest convenience and let me know if you have any questions or need any additional information.

Thank you,

Michael J. Salter  
Office of Environmental Planning  
Connecticut Department of Transportation  
2800 Berlin Turnpike  
Newington, CT 06131  
Phone: (860) 594-2933  
Email: [michael.salter@ct.gov](mailto:michael.salter@ct.gov)



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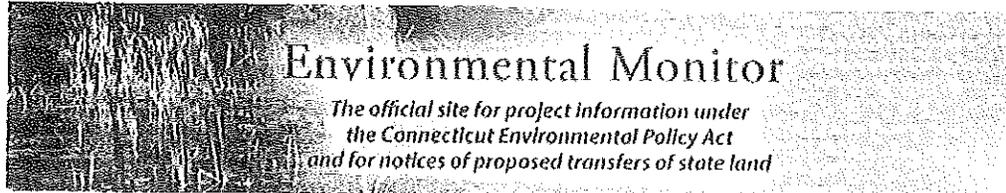


Susan D. Merrow  
Chair

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March 17, 2015

Scoping Notices

1. **Revised deadline!** Milford Property Acquisition, Milford
2. University of Connecticut South Campus Development, Mansfield
3. **Revised deadline!** Mansfield Four Corners Sewer Extension, Mansfield
4. NEW! Replacement of Bridge 02866, Coventry and Mansfield
5. NEW! Downtown Crossing - Phase II, New Haven

Post-Scoping Notices: Environmental Impact Evaluation (EIE) Not Required

1. Eureka Water Storage Tank, Danbury
2. East Side Water Storage Tank, Southington

Environmental Impact Evaluations

No Environmental Impact Evaluation has been submitted for publication in this edition.

State Land Transfers

1. 170 Ridge Road, Wethersfield
2. Naugatuck Armory, Naugatuck
3. Norwalk Armory, Norwalk

The next edition of the Environmental Monitor will be published on April 7, 2015.

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**Scoping Notices**

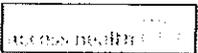
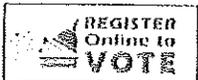
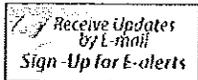
"Scoping" is for projects in the earliest stages of planning. At the scoping stage, detailed information on a project's design, alternatives, and environmental impacts does not yet exist. Sponsoring agencies are asking for comments from other agencies and from the public as to the scope of alternatives and environmental impacts that should be considered for further study. Send your comments to the contact person listed for the project by the date indicated.

The following Scoping Notices have been submitted for review and comment.

**1. Notice of Scoping for Milford Property Acquisition**

Municipality where proposed project might be located: Milford

Address of Possible Project Locations: Railroad Avenue between High Street and River Street



from its intersection with Route 44 (Middle Turnpike Road); along Route 44, approximately 600 feet east and 3,700 feet west from its intersection with Route 195; and along portions of North Hillside Road and Professional Park Road.

**Project Description:** Public Act 14-98, Section 97 authorized a \$3 million grant-in-aid to the Town of Mansfield to extend sewers to the Four Corners area. The project involves installation of approximately 22,000 feet of sewer piping inclusive of collection system, a trunk sewer and a force main, two submersible pump stations, and related equipment and appurtenances to provide public sewer service to the Four Corners area as well as certain properties along Route 195 and Route 44, including a manufactured home development known as Rolling Hills Community. This area has a history of sewage disposal challenges due to high water table and poor soils. Wastewater would be discharged to the University of Connecticut's wastewater treatment plant.

The Four Corners area is one of three main commercial centers in Mansfield. It serves as the northern gateway to Mansfield and has the benefit of being located at the crossroads of two state arterial roads. Plans to extend water and sewer to this area will enable redevelopment with a mixture of residential and commercial uses. Given its proximity to the new Technology Park, it is anticipated that this area will be focal point for research and light industry and may also become a priority housing location for Tech Park workers. The size of the area combined with extensive wetland resources will result in clusters of development that have been designated by the Town as appropriate for higher intensity uses.

**Project Map:** [Click here to view a map of the proposed project.](#)

**Written comments from the public are welcomed and will be accepted until the close of business on: April 6, 2015**

**There will be a Public Scoping Meeting for this project at:**

**DATE:** March 18, 2015

**TIME:** 7:00 p.m. (Doors will be open at 6:00 p.m. to allow review of informational materials.)

**PLACE:** Council Chamber, Mansfield Town Hall; Four South Eagleville Road; Storrs, CT

**Purpose of Meeting:** The Scoping Meeting will present information about the project and solicit public comments on the project's purpose and need, preliminary alternatives, and areas of key environmental concern.

**Written comments should be sent to:**

**Name:** Carlos Esguerra  
**Agency:** Department of Energy & Environmental Protection  
Bureau of Water Protection & Land Reuse  
**Address:** 79 Elm Street  
Hartford, CT 06106-5127  
**Phone:** 860-424-3756  
**Fax:** 860-424-4067  
**E-Mail:** [carlos.esguerra@ct.gov](mailto:carlos.esguerra@ct.gov)

**If you have questions about the public meeting, or other questions about the scoping for this project, contact Mr. Esguerra, as directed above.**

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act. Please contact us at (860) 418-5910 or [deap.accommodations@ct.gov](mailto:deap.accommodations@ct.gov) if you: have a disability and need a communication aid or service; have limited proficiency in English and may need information in another language; or if you wish to file an ADA or Title VI discrimination complaint. Any person needing a hearing accommodation may call the State of Connecticut relay number - 711. Requests for accommodations must be made at least two weeks prior to any agency hearing, program or event.

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#### **4. Notice of Scoping for the Replacement of Bridge No. 02866 - Route 275 over the Willimantic River**

**Municipalities where proposed project might be located:** Coventry and Mansfield

**Address of Possible Project Location:** Route 275 over the Willimantic River

**Project Description:** This project involves the replacement of Bridge No. 02866, which carries Route 275 over Willimantic River, and is located on the Coventry/Mansfield town line. The bridge, built in 1900 and reconstructed in 1973, is a two-span bridge supported by stone masonry abutments and a center pier. The total length of the bridge is 122 feet, with a maximum span length of 61 feet. There are no curbs or sidewalks located on this bridge. The curb-to-curb deck width is 14.3 feet, which accommodates one lane

of alternating one-way traffic controlled by stop signs. The average daily traffic on the bridge is roughly 3,100 vehicles. The approach roadways accommodate one lane of traffic in each direction; however, just east of Bridge No. 02866 is a railroad bridge, which has a minimum curb-to-curb width of 17 feet, allowing only alternating one-way traffic to pass beneath.

The replacement is necessary because the existing bridge structure is structurally deficient, functionally obsolete, and hydraulically inadequate. The bridge is functionally obsolete due to its substandard curb-to-curb roadway width. The bridge is hydraulically inadequate due to its inability to pass the 100-year design storm with the required 2-feet of underclearance. The bridge is structurally deficient due to the poor condition of the box beams.

The proposed project consists of replacing the existing bridge with a two span precast, prestressed box beam superstructure supported by integral concrete abutments founded upon augered steel piles. The box beams will be approximately 24" deep with a 5" reinforced concrete shear slab placed on top. The box beams would be connected with a reinforced concrete closure pour to facilitate integral movement and preclude the need for an expansion joint. The roadway width will be 32 feet comprised of two 11-foot lanes with 5-foot shoulders. The new concrete integral abutments will be constructed behind the existing stone abutments, which will remain. Piles will be augered 10 feet from the face of the existing abutments which will increase the structure length to 140 feet. The span lengths will each be 70 feet in length. The concrete caps of the existing abutments will be removed. The existing stone pier will be utilized, removing the existing concrete cap and replacing it with a widened cast in place concrete cap. The approach roadways will be reconstructed to accommodate the widened roadway section of the bridge.

**Project Maps:** Click [here](#) to view a map of the project area.

**Written comments from the public are welcomed and will be accepted until the close of business on: Thursday April 16, 2015.**

**Any person can ask the Connecticut Department of Transportation (CTDOT) to hold a Public Scoping Meeting by sending such a request to the email or address below. If a meeting is requested by 25 or more individuals, or by an association that represents 25 or more members, CTDOT shall schedule a Public Scoping Meeting. Such requests must be made by Friday March 27, 2015.**

**Written comments and/or requests for a Public Scoping Meeting should be sent to:**

**Name:** Mr. Mark W. Alexander, Transportation Assistant Planning Director  
**Agency:** Connecticut Department of Transportation  
Bureau of Policy and Planning  
**Address:** 2800 Berlin Turnpike  
Newington, CT 06131  
**Fax:** 860-594-3028  
**E-Mail:** [dot.environmentalplanning@ct.gov](mailto:dot.environmentalplanning@ct.gov)

**If you have questions about the project, contact:**

**Name:** Ms. Lesqie M. Rulz, Project Engineer  
**Agency:** Connecticut Department of Transportation  
Bureau of Engineering and Construction  
**Address:** 2800 Berlin Turnpike  
Newington, CT 06131  
**Phone:** 860-594-3351  
**E-Mail:** [Lesqie.Rulz@ct.gov](mailto:Lesqie.Rulz@ct.gov)

## 5. Notice of Scoping for Downtown Crossing - Phase II

**Municipality where proposed project might be located:** New Haven, CT

**Address of Possible Project Location:** Area generally to include work on Union Avenue, South Frontage Road, Martin Luther King Jr. Boulevard (MLK) Boulevard, Orange Street, South Orange Street, Water Street and State Street.

**Project Description:** State funds will be used to complete Phase II of the Downtown Crossing project, which will convert Route 34 from a limited access highway to urban boulevards. The CT Dept. of Economic and Community Development (DECD) is the sponsoring agency and is working with the CT Dept. of Transportation (DOT) and the City of New Haven to bring the project forward. The project introduces a new at-grade connection across the former Route 34 Corridor by re-connecting the north and south sections of Orange Street. Five major components of the project include construction of a new at-grade, signalized intersection of Route 34 with South Orange Street and MLK Boulevard and South Frontage Road; pedestrian improvements to the State Street underpass; transition zone improvements intended to slow travel speed along the transition of Route 34 to the new intersection; a bike lane along Water Street from Orange Street

**From:** [McMillan, Mark J.](#)  
**To:** [Ruiz, Lesqle M](#)  
**Cc:** [Michael Woods](#); [Mark Levesque](#)  
**Subject:** FW: Closing Comment Period on Plainfield and Coventry projects  
**Date:** Tuesday, March 10, 2015 4:12:57 PM  
**Attachments:** [WilliPaddle2013web.pdf](#)

Lesgie, Mark, Michael,

Lois Bruinooge, the director of the Last Green Valley responded to my email of yesterday (see forwarded text below). She does not have any objections, but noted that TLGV is following the Coventry project with regard to its impact on the Willimantic River and paddling.

Mark

**From:** Lois Bruinooge [<mailto:Lois@tlgv.org>]  
**Sent:** Tuesday, March 10, 2015 8:49 AM  
**To:** McMillan, Mark J.  
**Subject:** RE: Closing Comment Period on Plainfield and Coventry projects

Sorry Mark, I assumed the window had already been closed. We have no comments related to historic interests. We are following the Coventry bridge project because of its impact on the Willimantic River National Recreation Water Trail, to ensure it does not impact paddling access on either side of the lake, as well as the access point just downstream of the bridge. We have constructed 2 new kiosks, one on either side of the lake, and have informational panels about the water trail ready to install in the kiosks once the snow melts. My understanding is that DOT is aware of these concerns as they were discussed during the public hearing. Just fyi, I've attached a copy of the Willimantic River Paddle Guide.

Lois Bruinooge, Executive Director  
The Last Green Valley  
203B Main Street (2<sup>nd</sup> floor)  
P.O. Box 29  
Danielson, CT 06239  
860-774-3300; fax 860-774-8543  
[www.thelastgreenvalley.org](http://www.thelastgreenvalley.org)



**From:** McMillan, Mark J. [<mailto:Mark.McMillan@ct.gov>]  
**Sent:** Monday, March 09, 2015 4:09 PM  
**To:** Lois Bruinooge  
**Cc:** Ruiz, Lesgie M; Michael Woods ([mwoods@cjmpc.com](mailto:mwoods@cjmpc.com))  
**Subject:** Closing Comment Period on Plainfield and Coventry projects

Dear Ms. Bruinooge,

I hope this email finds you well in 2015. On the last day of 2014, I send two project review letters to The Last Green Valley for comment and review. These were Project #108-185 in Plainfield (Rehabilitation of Bridge #00668, Route 12 and Old Norwich Road) and Project #32-TBD Coventry (Replacement of Bridge #02866, Route 275 over Willimantic River). Both undertakings were categorized as Minor Transportation Project and found to be exempt from Section 106 as they pose minimal potential for impacting historic properties.

It's been two months since these reviews were sent and I have not had a response from TLGV. Can I construe this to mean that TLGV has no objections to the undertakings? Although you/TLGV can provide comment at any time, I will be concluding the Section 106 review so that the project sponsors can proceed.

Thank you,

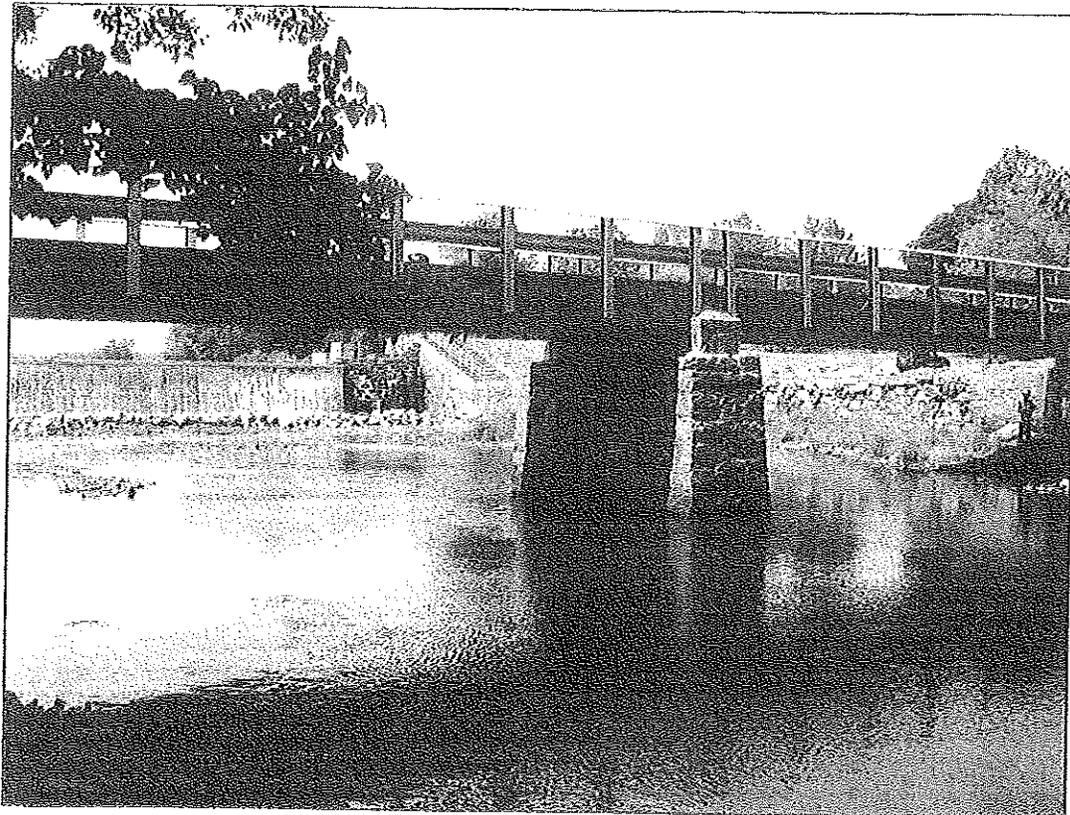
Mark

*Mark McMillan*

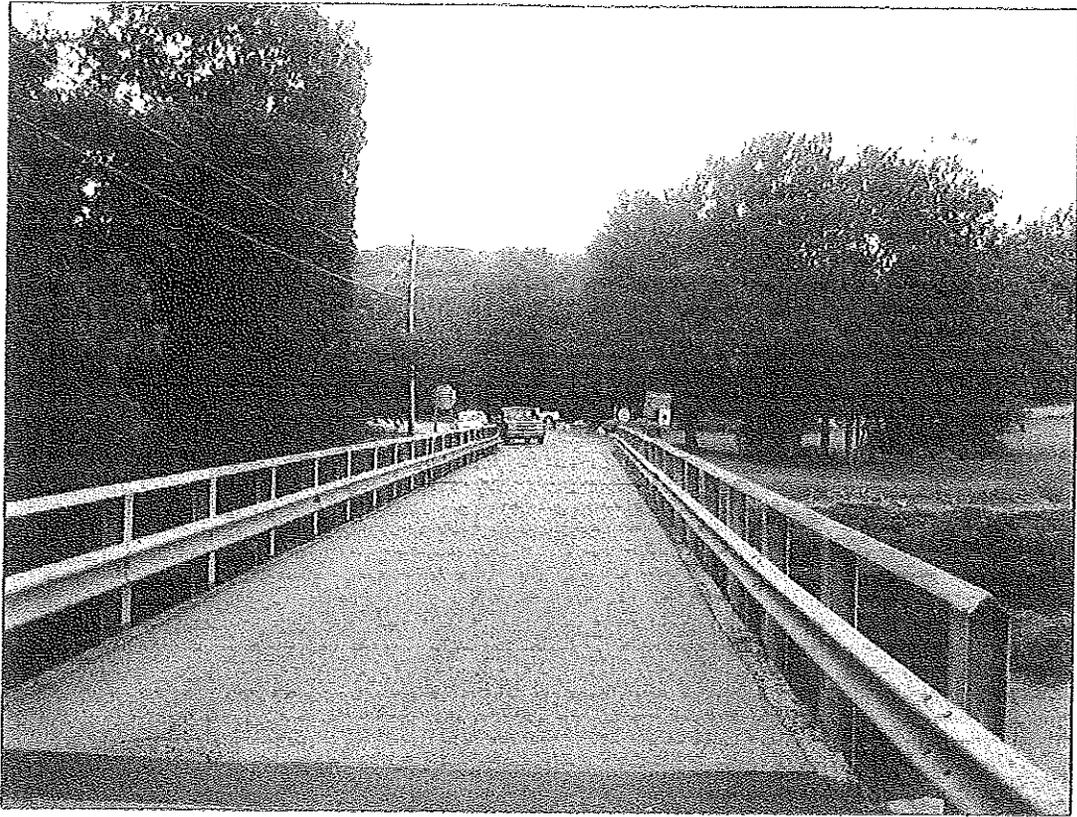
National Register Specialist  
Office of Environmental Planning  
Connecticut Department of Transportation  
2800 Berlin Turnpike  
Newington, CT 06131  
☎ (860) 594-2135  
☎ (860) 594-3028 - Fax  
✉ [mark.mcmillan@ct.gov](mailto:mark.mcmillan@ct.gov)



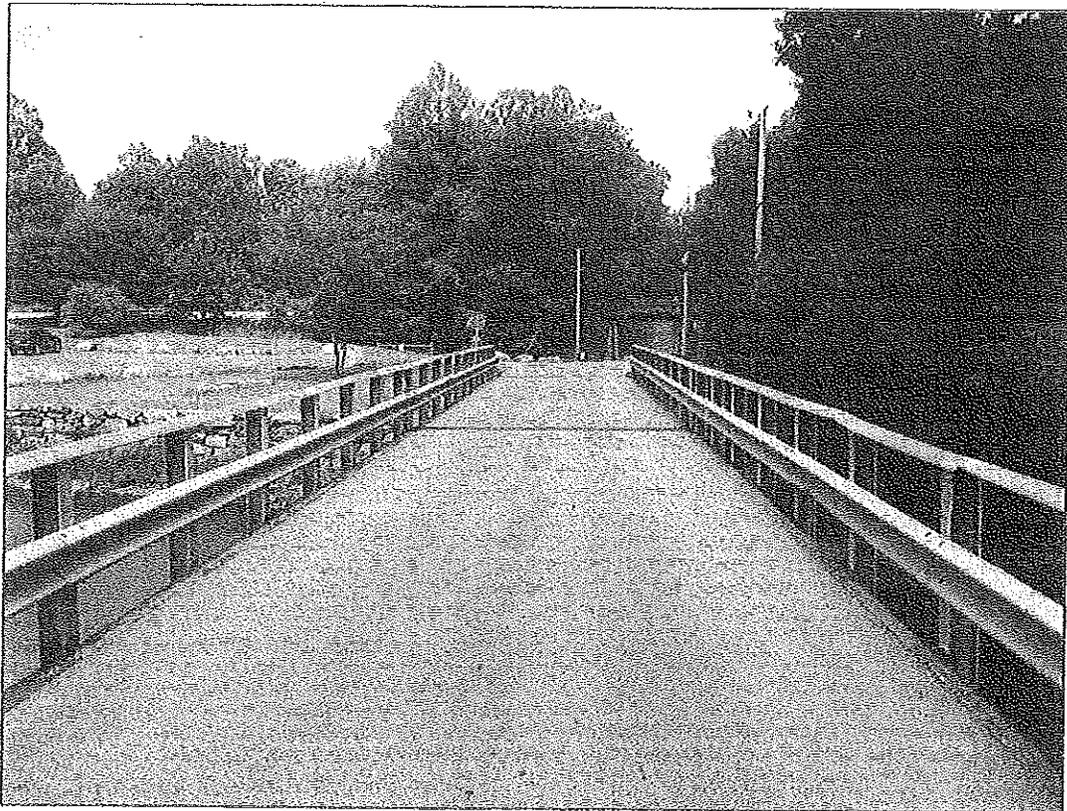
North Elevation (Upstream)



South Elevation (Downstream)



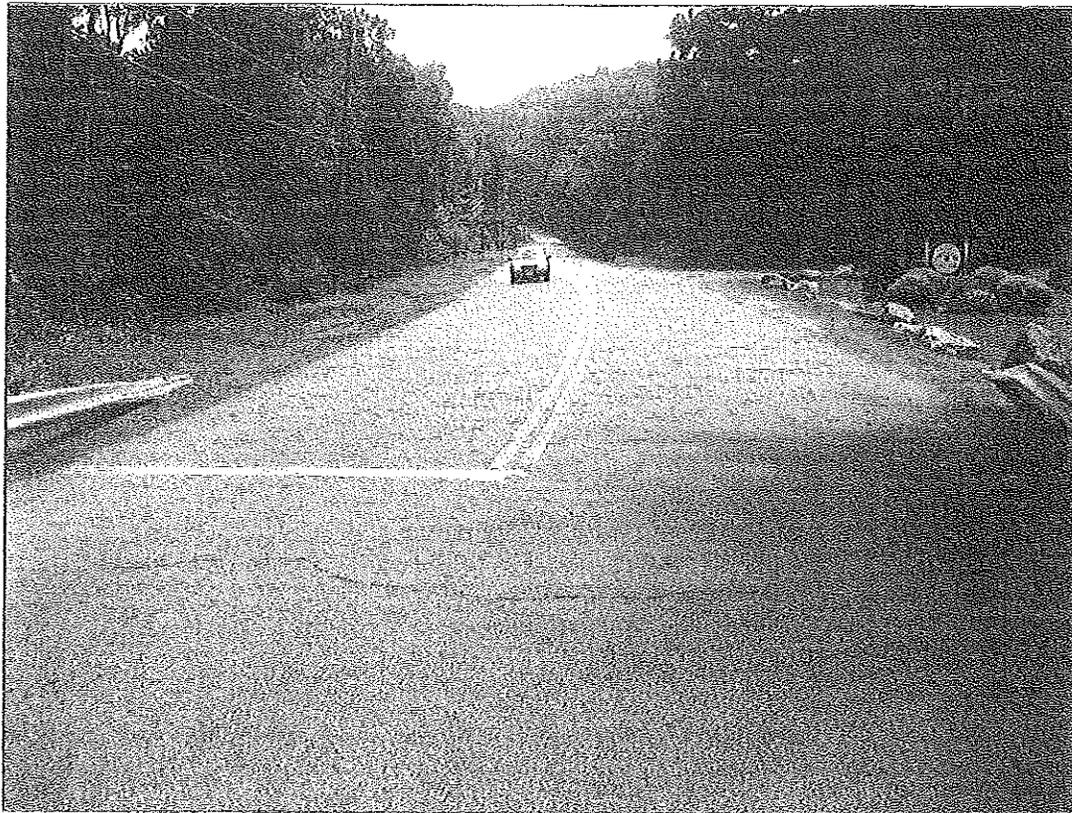
Looking West Across Structure



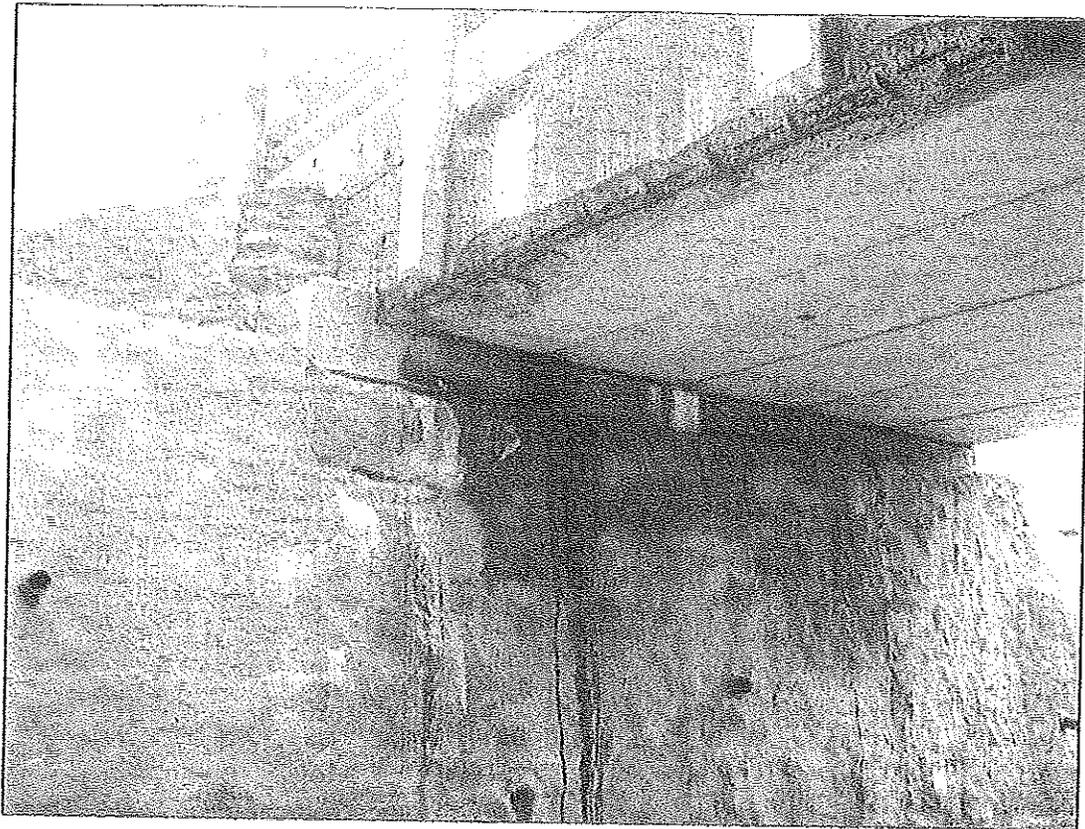
Looking East Across Structure



East Approach (Note Railroad Bridge)



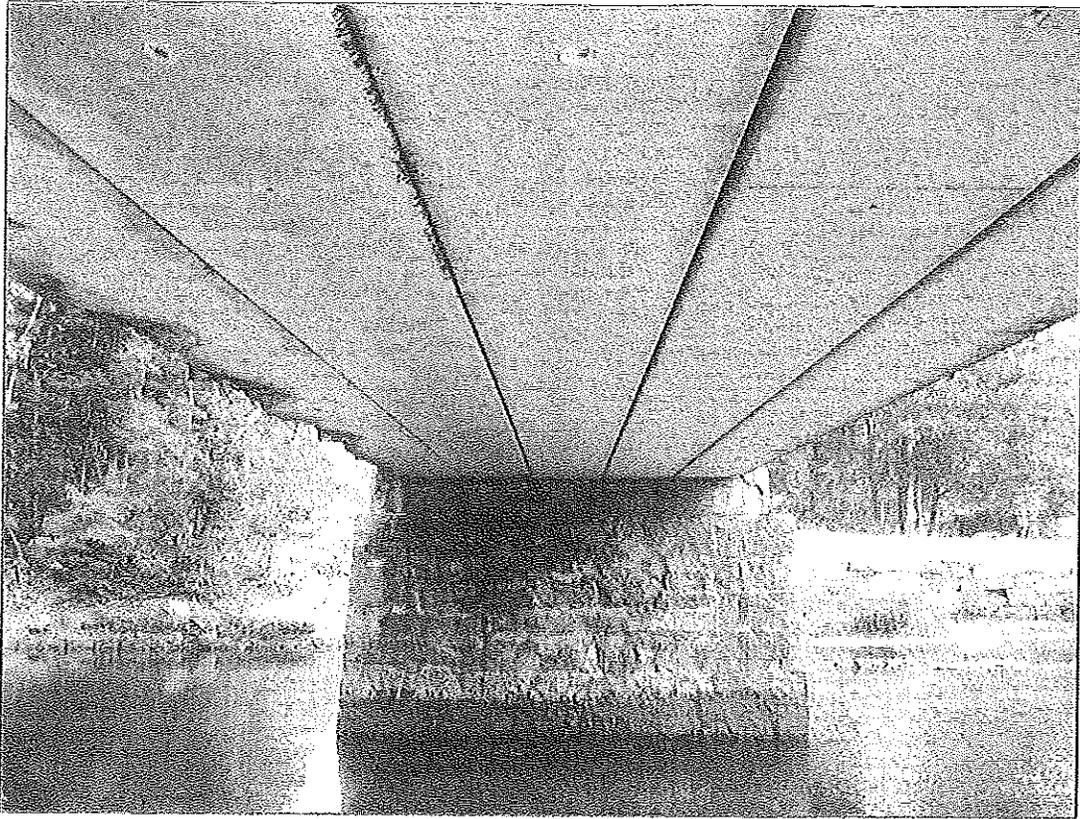
West Approach



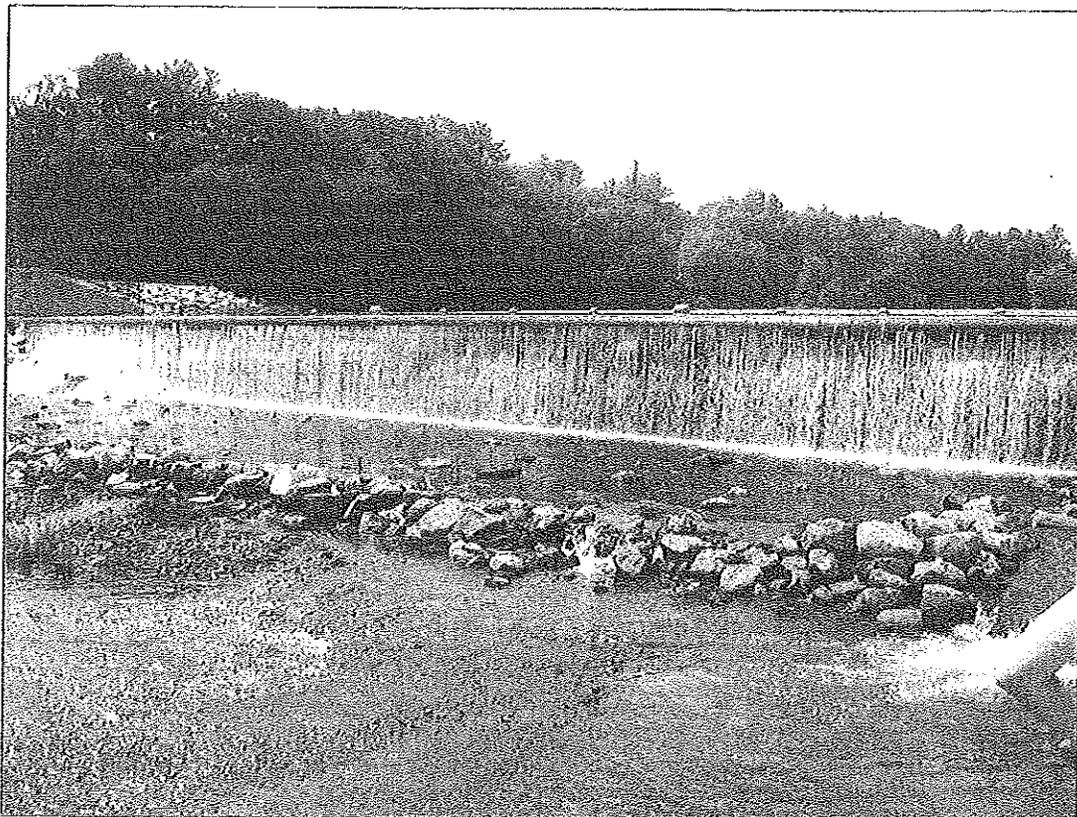
West Abutment (Note Gunite Cover over Masonry Abutment)



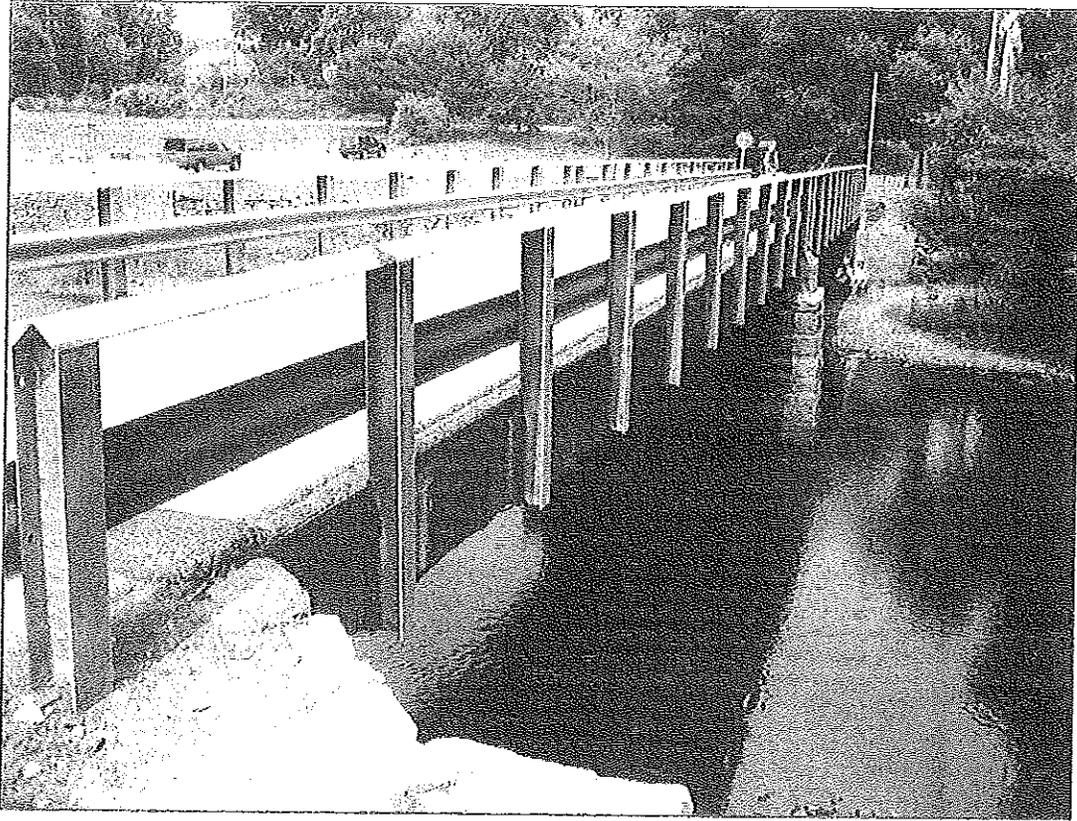
East Abutment (Note Gunite Cover over Masonry Abutment)



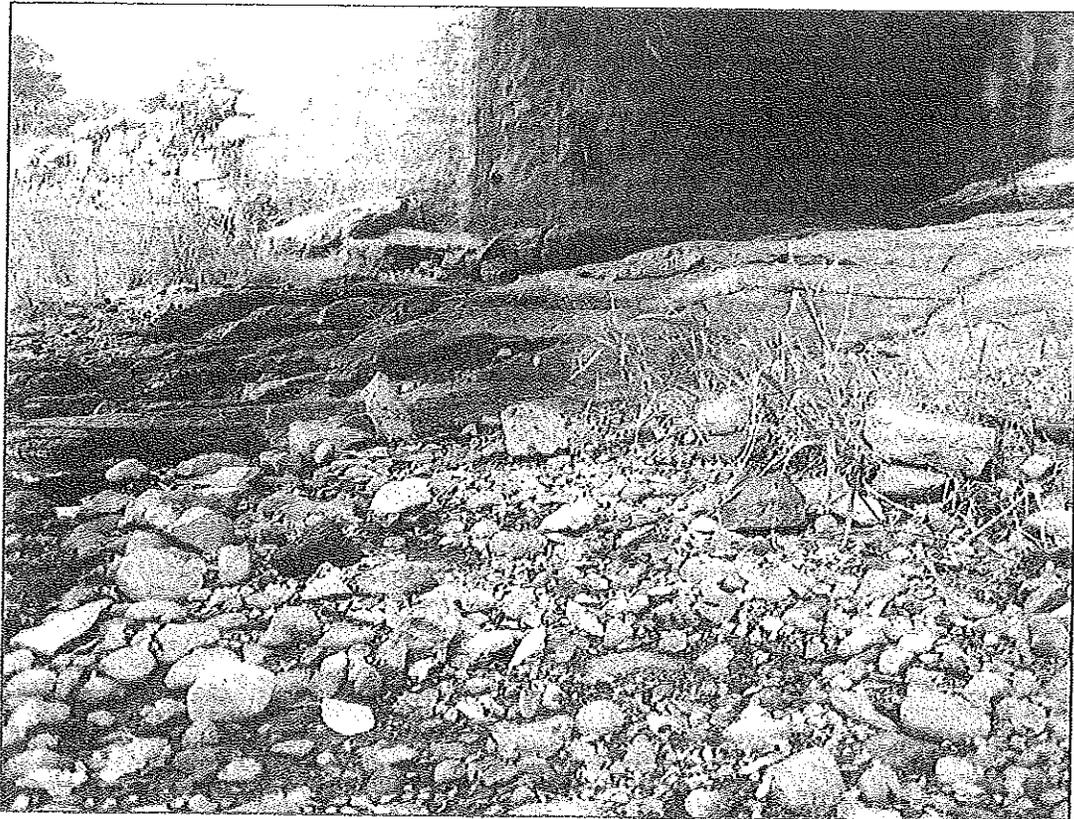
Bridge Pier and Typical Deck Underside Condition



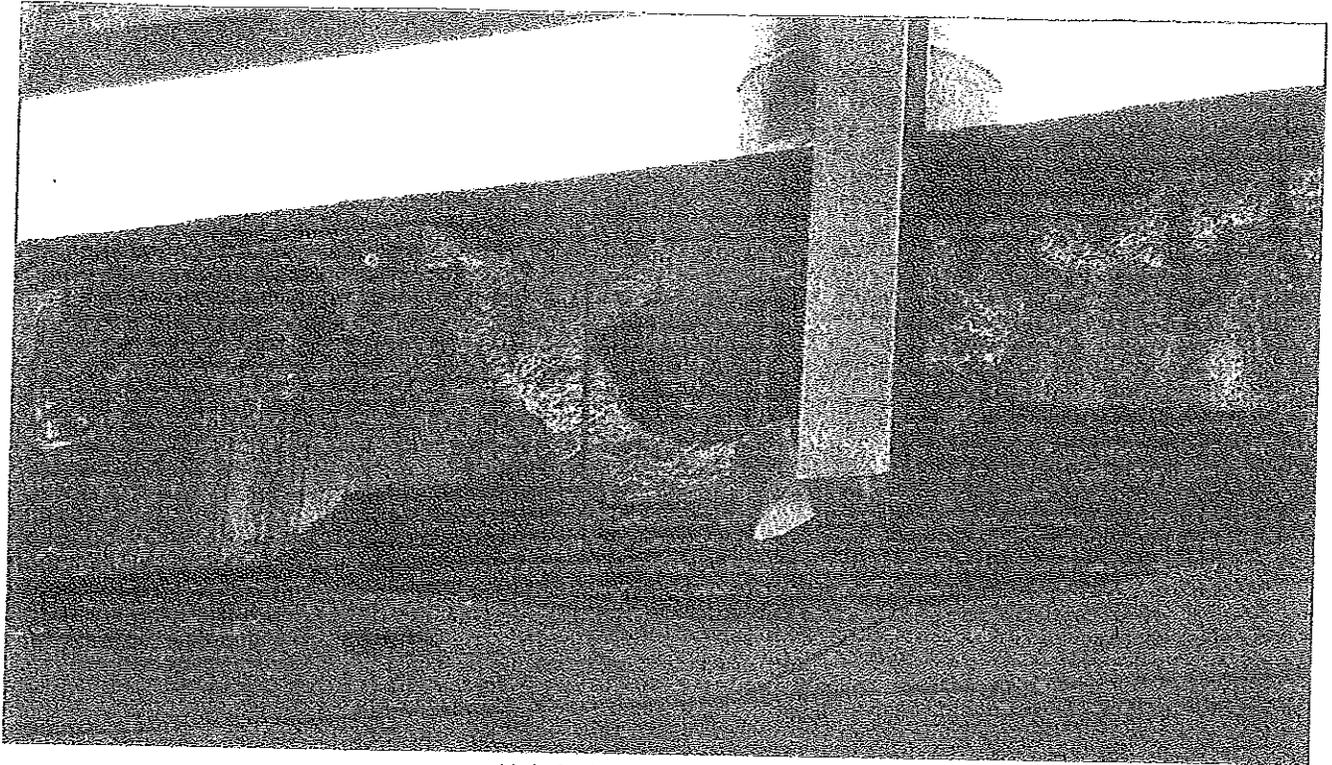
Eagleville Pond Dam located Upstream



Bridge Railing



Typical Embankment Material at Structure (Note Exposed Ledge)



Hole in South Fascia Beam



Traffic Drums Placed Along South Rail as part of Bridge Maintenance Direction

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## Connecticut Association of Conservation and Inland Wetlands Commissions, Inc.

deKoven House Community Center  
27 Washington Street  
Middletown, CT 06457  
[www.caciwc.org](http://www.caciwc.org)

August 15, 2015

Greetings to all Connecticut Conservation and Inland Wetlands Commissions & staff,

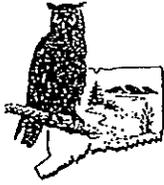
We are sending this brief note as a reminder that CACIWC membership fees for our current fiscal year became due on July 1, 2015. Although we have received renewal fees from a number of commissions, many remain unpaid. Please note that the CACIWC Boards of Directors has held membership fees for the July 1, 2015-June 30, 2016 year at the 2013-14 and 2014-15 levels.

We have attached a copy of the membership renewal form for your convenience. Your prompt return of the completed form and check to CACIWC at the above address will help us fund future issues of *The Habitat*, our Annual Meeting, along with additional education and training sessions that we are planning.

The CACIWC Board of Directors is very pleased to invite you to our 38<sup>th</sup> Annual Meeting and Environmental Conference scheduled for Saturday, November 14, 2015 at the Villa Capri Banquet Facility in Wallingford, CT. This year's conference features improved AV and sound systems as well as a dedicated room for displays and networking. We are honored to host Dr. Michael Klemens as our keynote speaker, who will present information on the impact of changing climate and other factors on local environments. He will also promote better use of scientific data and discuss ways for commissions and their staff to increase collection of local information, while improving the resiliency of their communities to climate change.

The CACIWC Annual Meeting Committee has scheduled a series of informative speakers and workshops on a host of relevant topics for both experienced and new conservation and inland wetlands commissioners and staff. Additional details can be found at [www.caciwc.org](http://www.caciwc.org) and in the fall issue of *The Habitat*. Individuals associated with CACIWC member commissions in good standing who register before October 31, 2015 can save up to \$25 off the registration fee (see attached registration form). You can register by completing the on-line registration form at [http://bit.ly/caciwc\\_am15](http://bit.ly/caciwc_am15), OR emailing completed forms (along with any questions that you may have) to us at: [AnnualMtg@caciwc.org](mailto:AnnualMtg@caciwc.org), OR mailing completed registration forms to us at our deKoven House address.

The CACIWC Board of Directors thanks you and hopes to see you at the conference!  
Alan J. Siniscalchi, President



**Connecticut Association of Conservation and Inland Wetlands Commissions, Inc.**

**MEMBERSHIP RENEWAL NOTICE**

To: CACIWC Members and Supporters:

**Membership Dues For July 1, 2015 through June 30, 2016 Are Due.  
Please Consider Renewing Your Membership.**

Your annual dues support CACIWC education and outreach programs, the Annual Meeting and Environmental Conference, the publication and distribution of our newsletter The Habitat, the CACIWC.org website and CACIWC's operational budget. The Board of Directors did *not* raise dues for the 2015-16 year.

Your continued support is vital to our mission to promote the statutory responsibilities of Connecticut Conservation Commissions and Inland Wetland Agencies, and to foster environmental quality through education and through the conservation and protection of wetlands and other natural resources. CACIWC is a 501(c)(3) non-profit organization.

Please complete the attached membership form and return to:  
CACIWC; De Koven House Community Center; 27 Washington Street, Middletown, CT 06457

-----  
CACIWC MEMBERSHIP - July 1, 2015 through June 30, 2016

**Membership Fees [Check One]**

Membership Renewal   
New Membership

**Voting: Commissions & Agencies**

- \_\_\_ One Commission \$ 60.00
- \_\_\_ One Commission (Sustaining Member) \$ 75.00
- \_\_\_ Two Commissions \$ 110.00
- \_\_\_ Two Commissions (Sustaining Member) \$ 150.00

**Non-Voting: Individual, Organization, Business**

- \_\_\_ Saw-Whet Owl \$35.00
- \_\_\_ Long-Eared Owl \$50.00
- \_\_\_ Great-Horned Owl \$100.00
- \_\_\_ Organization/Business \$ 50.00
- \_\_\_ Organization/Business (Supporting Member) \$ 100.00
- \_\_\_ Individual \$ 20.00
- \_\_\_ Individual (Benefactor) \$ 100.00

Please visit [www.caciwc.org](http://www.caciwc.org) and click on "Support CACIWC" for additional information

**CONTACT INFORMATION:**

Commission/Organization/Individual Name: \_\_\_\_\_

City/Town: \_\_\_\_\_ # of Commission Members & Staff: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_ email: \_\_\_\_\_

Chairperson's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Staff Person's Name: \_\_\_\_\_ Phone/email: \_\_\_\_\_ / \_\_\_\_\_

NOTE: If membership payment is for two commissions please complete the following.

Name of 2<sup>nd</sup> Commission: \_\_\_\_\_ # of Commission Members & Staff: \_\_\_\_\_

Chairperson's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Staff Person's Name: \_\_\_\_\_ Phone# /email: \_\_\_\_\_

Please make checks payable to: CACIWC

Connecticut Association of Conservation & Inland Wetlands Commissions  
38<sup>th</sup> Annual Meeting & Environmental Conference  
Saturday, November 14, 2015

Villa Capri Banquet Facility (906 N. Colony Road Wallingford, CT 06492)

Register online at [http://bit.ly/caciwc\\_am15](http://bit.ly/caciwc_am15); OR email the form below to us at [AnnualMtg@caciwc.org](mailto:AnnualMtg@caciwc.org), OR mail it with your payment to the deKoven House.

Registration Form

Name: \_\_\_\_\_  
Town: \_\_\_\_\_  
Commission name: \_\_\_\_\_  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Workshop cost includes continental breakfast, hot lunch, workshops, and gratuities.

- Enclosed is my \$40 check (members & staff of CACIWC member commissions in good standing\*, registration submitted/postmarked by October 31, 2015)
- Enclosed is my \$50 check (members, postmarked after October 31, 2015)
- Enclosed is my \$55 check (non-members, postmarked by October 31, 2015)
- Enclosed is my \$65 check (non-members, postmarked after October 31, 2015)
- My town will submit payment prior to the event.

No refunds after November 7, 2015 Questions? Please contact us at: [AnnualMtg@caciwc.org](mailto:AnnualMtg@caciwc.org)

Please make checks payable to CACIWC. Return to CACIWC deKoven House Community Center, 27 Washington Street, Middletown, CT 06457; also see: [www.caciwc.org](http://www.caciwc.org)

I will attend the following workshops: (Please check one workshop per session)

Session 1 (9:30-10:30 AM)

- A1. "Connecticut Invasive Plant Watch List"
- B1. "Back to Basics; Wetlands Law & Regulations"
- C1. "Pond Dredging, Part 2"

Session 2 (10:45-11:45 AM)

- A2. "Invasive Forest Insects"
- B2. "2015 Wetlands Law Update with Question & Answer Session"
- C2. "Resilience & Climate Adaptation"

Session 3 (1:30-2:30 PM)

- A3. "Pesticides & Integrated Pest Management"
- B3. "The Other Half: All about Planning & Zoning and the ZBA"
- C3. "Stormwater Management & Control"

Session 4 (2:45-3:45 PM)

- A4. "Using Smartphones to Delineate Local Habitats"
- B4. "PHC Revisions for Subsurface Sewage Disposal"
- C4. "Low Impact Development"

Yes, I will be a Sponsor for CACIWC's 2015 Environmental Conference.

\$ \_\_\_\_\_ Tax Deductible Contribution (as allowed by law), see categories, below:

Great Horned Owl: \$500 and up, Barred Owl: \$250-\$499, Screech Owl: \$100-\$249,  
Saw-whet Owl: \$10-\$99

\*CACIWC member commissions in good standing have paid their 2015-16 membership dues and submitted their completed membership questionnaire by October 31, 2015

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# The Habitat

A newsletter of the Connecticut Association of  
Conservation & Inland Wetlands Commissions, Inc.

Summer 2015 volume 27 number 3



## Journey to The Legal Horizon

by Attorney Janet Brooks

### Motions to Approve or Deny Wetlands Application: What to Include and Why

The editor of *The Habitat*, Tom Odell, has passed on a question from a reader for guidance on what wetlands and watercourses agencies should include in their motions to approve or deny applications. As members of wetlands agencies, you want to create strong decisions that will survive attack on appeal. Strong decisions result from proper procedure and robust deliberations. The motion is one step in the process.

#### I. State the reason(s) for your decision

You might think this is the obvious thing to do. The statute, in fact, directs you to do it: "In granting, denying or limiting any permit for a regulated activity the inland wetlands agency, or its agent<sup>1</sup>, shall consider the factors set forth in section 22a-41, and such agency, or its agent<sup>1</sup>, shall state upon the record the reason for its decision." Conn. General Statutes § 22a-42a (d) (1).

There are some municipal attorneys who disagree. There is case law that on appeal a judge may search the record of the agency proceedings to find evidence which supports the agency's action, denial, approval or imposition of conditions. The case law furthers limits the judge to

considering the reasons stated by the agency.<sup>2</sup> I have heard some of these attorneys claim that they would rather have no stated reasons, so the judge is free to search in every nook and cranny of the transcripts of the public hearing and the deliberations to scrounge up evidence to support the agency's decision.

I don't want to stand between you and your municipal attorney, who is, after all, your only representative in court defending your action, but when you fail to state your reasons, you ignore the plain meaning of the statute to "state upon the record the reason for [your] decision." For example, if after a spirited evening of questions and answers about the effectiveness of the proposed sedimentation and erosion controls by the applicant and concerns raised by experts for the neighbors, the agency entertains a motion to approve the application as proposed (no reasons disclosed.) Let's suppose there is no or very limited discussion. The agency votes to grant the application. The applicant leaves confident it was the strength of its application and supporting materials. The public is bewildered. Which was it – the strength of the applicant's expert or the weakness of the neighbor's  
*legal, continued on page 4*

## Save the Date: CACIWC Announces the Preliminary Agenda for Our 38th Annual Meeting & Environmental Conference — Saturday, November 14, 2015

CACIWC is pleased to recruit Dr. Michael Klemens as the keynote speaker of our 38th Annual Meeting & Environmental Conference. Educated in the United States and Europe, Dr. Klemens is a well-known conservation biologist and land-use planner who seeks to achieve a balance between ecosystem requirements and human needs. He plans to support our continued efforts to educate members on the impact of climate change on local environments

by reviewing new Connecticut-specific species population and habitat data. He will also promote better use of scientific data and discuss ways for commissions and their staff to increase collection of local information, while improving the resiliency of their communities to climate change.

*conference, continued on page 13*

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# CACIWC

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Darcy Winther DEEP Liaison



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Editor: Tom ODell

Associate Editor: Ann Letendre

Correspondence to the editor, manuscripts, inquiries, etc. should be addressed to *The Habitat*, c/o Tom ODell, 9 Cherry St., Westbrook, CT 06498. Phone & fax 860.399.1807 or email [todell@snet.net](mailto:todell@snet.net).

[www.caciwc.org](http://www.caciwc.org)

# CACIWC News

"With great power comes great responsibility," variously attributed to Oevres de Voltaire, Thomas C. Hansard (and, of course, Spider-Man), may appropriately summarize the challenge that world leaders now face in steering an appropriate course to protect our environment from the adverse effects of global warming and climate change.

In 2014, CACIWC accepted the challenge of helping to develop a more climate-resistant New England, as highlighted in the U.S. Environmental Protection Agency New England Regional Office (EPA Region 1) published summary of their New England "Climate Leaders Summit" held November 2013 in Providence, Rhode Island. During our 2014 Annual Meeting and Environmental Summit, we introduced a new track with several workshops on climate change issues to educate our member commissions.

During his November 15, 2014 keynote address to those in attendance at our conference, Connecticut Department of Energy & Environmental Protection (DEEP) Commissioner Robert Klee reviewed the commitment of his agency to work with our members in support of local efforts. Commissioner Klee further emphasized his agency's recognition of the urgency of these issues in his December 10, 2014 address to the Connecticut League of Conservation voters, "Make no mistake about it, climate change is already here. We see it in the warming waters and changing fish species of Long Island Sound. We see it in the new insects and invasive plant and animal species on our land and lakes. And we saw it in the destructive force of recent storms that we will all long remember. We have a moral imperative to act for the sake of our planet and future generations."

Fortunately, Commissioner Klee is not alone in challenging us to act on behalf of our planet. Increasing numbers of leaders from presidents to the Pope have stepped forward to acknowledge the danger of climate change and the need to protect our environment. This moral imperative to act does not rest solely with international, national, and state leaders alone. As community leaders, Connecticut conservation and inland wetlands commissioners and their staff have the power to protect critical habitats along with educating local residents.

A few commissioners have confided in me that they have grown tired from lack of local progress and despair that their efforts to conserve town habitats and encourage local leadership may be in vain. All Connecticut conservationists, regardless of their faith background, may take inspiration from His Holiness, Pope Francis in his encyclical on the environment, "Yet all is not lost. Human beings, while capable of the worst, are also capable of rising above themselves, choosing again what is good, and making a new start."

CACIWC news, continued on page 14

*Editor's Note: It was a long, difficult budget session. My thanks go out to the day-to-day stalwarts who prowled the hallways delivering our conservation messages, provided me regular updates including final results, and provided much of the content for this review: CT Land Conservation Council, CT Forest & Park Association, Rivers Alliance, CT Audubon and CT Fund for the Environment — collectively THANK YOU!*

## 2015 Environmental Legislation Review

### You Answered the Call for Action — THANK YOU!

**Y**our calls, emails, and personal contacts with your State Legislators was key to successfully protecting programs noted below from further budget cuts, restoration of those that had been eliminated completely, and helping to pass a number of pro-conservation and environment bills during a particularly difficult legislative session.

NOW PLEASE thank your State Legislators and Governor Malloy for their support of these programs and initiatives — all of which truly make a difference for the economic well-being and overall quality of life in our communities.

#### Funding Municipal Land Conservation

##### Incentivizing Land Conservation

Signed into law June 4, 2015, *Public Act No. 15-23* “An Act Concerning the Percentage of State And Federal Funds That May Be Used To Purchase Open Space” under the Open Space and Watershed Land Acquisition Program removed a huge burden on land trusts and municipalities to come up with 30% match for the purchase price (on top of all their incidental costs). Known as the “70% rule” — a rule that capped the total state and federal funding on a land conservation project at 70% of the fair market value based on the land appraisals submitted with the grant application. Public Act 15-23 raises the cap to 90% for total federal and state funds on a conservation project and also allows the Commissioner of DEEP to waive the cap entirely if any one of a number of conditions are met. Reducing the required “match” for DEEP’s Open Space and Watershed Land Grant Program (OSWA) to 10% of the fair market value should be a significant incentive for Conservation Commissions to pursue the open space goals of the town’s Plan of Conservation and Development, particularly for municipalities and land trusts in areas of the state where municipal and private funds are difficult to raise due to the lack of wealth within a community or ability of a town to include funding in its capital budget or through bonding.

Similar legislation, Senate Bill 346, signed by the Governor on June 4<sup>th</sup> makes improvements to the

Department’s Farmland Restoration Program, which provides matching grants to restore agricultural land back into production. This bill increases the cost-share to up to 90% of the project’s cost for the restoration of state and municipal agricultural lands, if there is a lease of 5 years or more. The bill also expands the items reimbursable to farmers under the program.

Since enacted in 2005 Community Investment Act (CIA) has provided reliable funding for state land use programs for open space conservation, farmland preservation/dairy production, historic properties preservation and affordable housing development. Funded by a surcharge on local recording fees, CIA is the only *consistent* source of funding for the state’s Open Space and Watershed Land Acquisition Grant Program (OSWA) — the state’s matching grant program for towns, land trusts, and water companies seeking to conserve open space. CIA Open Space account funds three staff positions and is responsible for the administration, function and viability of the OSWA program.

After the Governor’s initial budget swept all collected CIA funds beginning in January 2016 through June 30, 2017 into the general fund, a coalition of environmental groups, including CACIWC, went to work and with your help convinced the legislature to restore 50% of the CIA account, meaning that 50% of the CIA funds collected from January 1, 2016 through June 30, 2017 will be diverted to the general fund (instead of 100% as was originally proposed). Effectively, this means a 25% cut for the first fiscal year and a 50% cut for the second fiscal year, since the cut begins in the second half of FY16. Despite the significant cut to CIA in the 2 year budget, the overall structure of CIA is intact and will still provide Open Space funds for a 2016 and 2017 OSWA grant round. Call To Action: Start Your Engines; Use It or Lose It.

Open Space Bond Funds for DEEP’s Open Space and Watershed Land Grant Program received \$8 million in bond authorizations in both FY16 and FY17. Bond authorization for open space acquisition requires the Gover-

*legislative, continued on page 10*

*legal, continued from page 1*

expert or both? An appeal is taken and the judge, having searched the record, manages to find enough to support the agency action. A D- grade is still a passing grade, but should you strive so low? With each application you have the opportunity to increase the confidence applicants and the public alike have in your efforts. You do this with transparency – by stating your reasons on the record. Consider the statement of your reasons a summary of your action.

## II. Start with the relevant factors for consideration

A boilerplate list of the factors for consideration in your regulations or the state statute is not called for. Not every application will call into question the environmental impact on a watercourse *plus* alternatives *plus* irreversible loss of the watercourse *plus* mitigation *plus* interference with safety or health *plus* future activities made inevitable by the application. There is no need to repeat verbatim lengthy factors for consideration where your conclusion is: “That is not presented by this application.” Focus on the factors which agency members or members of the public questioned. In fact, if your agency relies on a factor which was not voiced by anyone during the proceeding, you may have deprived the applicant of fundamental fairness – the opportunity to know the basis of your decision and a timely opportunity to respond.

It’s my impression that agencies do not consider alternatives enough, that is, chew them over, articulate them and ask the applicants of the process they engaged in before settling on the design presented in the application. Often I hear from agency members that alternatives are not part of their analysis because a public hearing wasn’t held or the reason for holding a public hearing was that it was in the “public interest.” Let’s clarify the law on alternatives. Succinctly put, alternatives are to be considered in each application. Why? It is the second stated factor for consideration<sup>3</sup>, right after the environmental impact of the proposed activity on wetlands and/or watercourses. Consideration of impacts and alternatives should be among your most frequently undertaken considerations, common to all applications.

Members are correct that there are additional findings that must be made if a public hearing was held based on a finding that the proposed activity may have a significant impact on wetlands or watercourses.<sup>4</sup> In that event, a permit may not be issued unless the agency finds that a feasible and prudent alternative does not exist.

## III. State which expert(s) you found credible

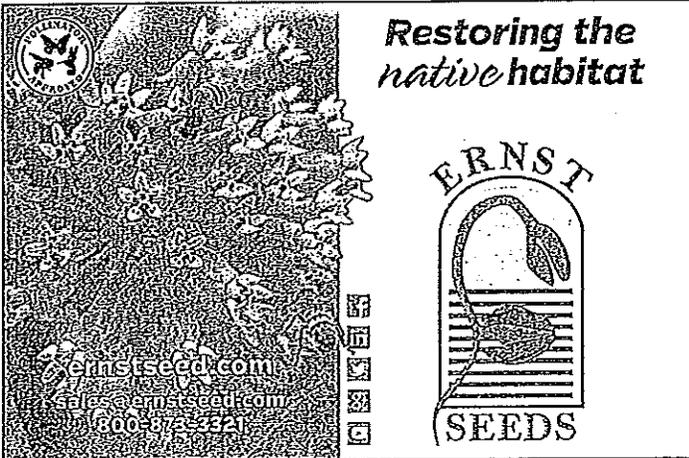
On appeal a judge will defer to your decisions on who was credible. The law is a bit tricky on experts. When there are multiple experts, the agency is free to believe one and disbelieve another. On the other hand, if there is only *one* expert, a lay agency (with no expert members) acts without substantial evidence, i.e. illegally, in disregarding the sole expert evidence before it. Are you required to state which experts you found credible? No. It will be inferred from your action. But you can guide the quality of future experts by signaling the importance you placed on (fill in the blank): the expert’s years of experience designing similar systems, the expert’s lack of specific knowledge of on-site conditions, the expert’s evasiveness/thoroughness when answering questions, the expert’s reliance on generalized concerns and not specific ones etc.

## IV. Specific findings in specific situations

Feasible and prudent alternative: As mentioned in Section II above, your agency is required to make a specific finding that there is no feasible or prudent alternative *if* you conducted a public hearing because you voted that the activities may have a significant impact. Conversely, if your agency is voting to deny an application because a feasible and prudent alternative *may* exist – which is a proper basis for denial – you “shall propose on the record in writing the types of alternatives which the applicant may investigate.”<sup>5</sup>

Environmental intervenor(s): if an environmental intervenor participated in the proceeding, whether a public hearing was held or not, the agency has one or two additional findings to make. Step 1: The initial finding is to determine whether the intervenor has established that the proposed activity is reasonably

*legal, continued on page 5*



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*legal, continued from page 4*

likely to unreasonably pollute, impair or destroy wetlands or watercourses. If the answer is no, the agency's job under the Connecticut Environmental Protection Act (CEPA) is done. If the answer is yes, proceed to Step 2: If there is "a feasible and prudent alternative consistent with the reasonable requirements of the public health, safety and welfare"<sup>6</sup> the permit must be denied. It is not necessary to have a separate motion to make the CEPA findings, but there's nothing wrong with that procedure. However, the state Supreme Court has ruled that if an agency is denying a permit based on CEPA considerations and findings, those findings *must* be referred to in the general motion which denied the permit and not solely in a motion about CEPA findings.<sup>7</sup>

Denial of activity in upland review area based on impact to plants or animals: In response to the state Supreme Court's 2003 ruling holding wildlife not within the jurisdiction of wetlands agencies, the legislature amended the wetlands act to allow denial or conditions for impact to plants or animal for activities conducted in upland review areas. In § 22a-41 (d) an agency is not authorized to deny or condition a permit for such impact "unless such activity will likely impact or affect the physical characteristics of such wetlands or watercourses." Strictly speaking, this needn't be a formal "finding." However, putting it on your list of findings to be incorporated in a motion will encourage you to discuss this on the record and question all experts about this, which, in turn, increases the likelihood of a judge finding there is substantial evidence to support your decision.

Denial of permit based on actual adverse impact: There have been numerous permit denials that have been overturned by the Appellate Court and the Supreme Court. Is the problem that agencies are failing to make the finding in their motions to disapprove in an otherwise strong record which supports their decision? No. The record is inadequate to support the finding. The word "actual" is not my invention. It comes from a Supreme Court decision: The wetlands agency "made no specific finding of any actual adverse impact to any wetlands or watercourses."<sup>8</sup> By putting this finding on your to-do list for denials, including the word "actual," it will prompt your agency to engage in the questioning of experts and applicants to support your deliberations and denials.

Having a list of topics for findings to be inserted in your motions will assist you in framing the questions, the

discussions and your deliberations. At the same time everyone, the applicant, the public and all agency members, will have a clear picture of how your agency acted.

*Janet P. Brooks practices law in East Berlin. You can read her blog at: [www.ctwetlandslaw.com](http://www.ctwetlandslaw.com) and access prior training materials and articles at: [www.attorneyjanetbrooks.com](http://www.attorneyjanetbrooks.com).*

#### Endnotes

<sup>1</sup>The "agent" refers to those activities approved by an agent when the activity does not occur in a wetland or watercourse and would result in no greater than a minimal impact on any wetland or watercourse as set out in C.G.S. § 22a-42a (c) (2).

<sup>2</sup>Gibbons v. Historic District Commission, 285 Conn. 755, 767 -72 (2008)

<sup>3</sup>C.G.S. § 22a-41 (a) (2)

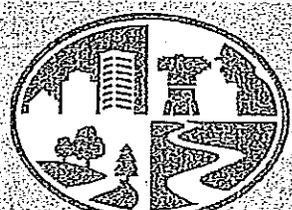
<sup>4</sup>C.G.S. § 22a-41 (b)

<sup>5</sup>C.G.S. § 22a-41 (b) (2)

<sup>6</sup>C.G.S. § 22a-19 (b)

<sup>7</sup>River Bend Associates, Inc. v. Conservation & Inland Wetlands Commission, 269 Conn. 57, 83-85 (2004)

<sup>8</sup>River Bend Associates, Inc. v. Conservation & Inland Wetlands Commission, 269 Conn. 57, 77 (2004)

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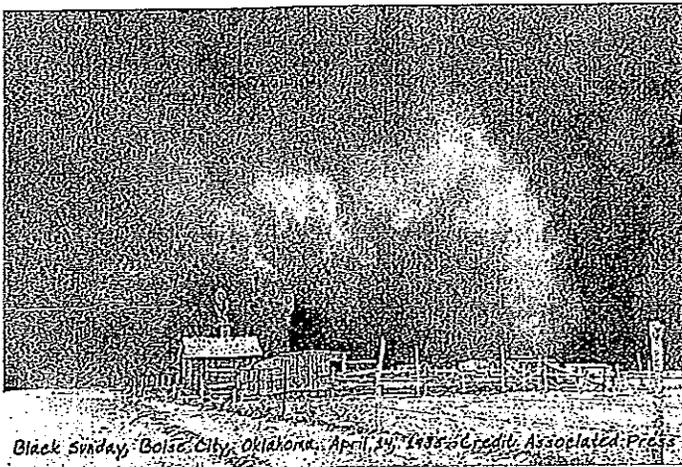
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# Connecticut's Conservation Districts: *From the Dust Bowl to a Celebration of Soil Health*

by Jane Brawerman, Executive Director, CT River Coastal Conservation District and  
Tom ODell, Chairman, Board of Directors, CT River Coastal Conservation District

Soil is fundamental to sustaining life. It supports healthy ecosystems and a nutritious and abundant food supply. 2015 has been declared International Year of Soils by the United Nation's General Assembly, so it seems an appropriate time to not only celebrate soils, but take you back to the Conservation Districts' roots — the reason they were formed — and discuss why they are still relevant today.

Why the International Year of Soils? According to a recent press release from the CT Natural Resources Conservation Service, "With an increasing global population, a shrinking agricultural land base, climate change and extreme weather events, the nations of the world are focusing their collective attention to the primary resource essential to food production — the soil. The year of awareness aims to increase global understanding of the importance of soil for food security and essential ecosystem functions." Join Connecticut's Conservation Districts — and the rest of the world — in a celebration of life-giving soils!



Black Sunday, Boise City, Oklahoma, April 19, 1935. Credit: Associated Press

Try to imagine the time of sky-blackening dust storms sweeping across the country, when our soil was being lost due to drought and unsustainable agricultural practices. Fortunately, we learned a valuable lesson from the Dust Bowl: it was national concerns over worsening agricultural erosion, floods and the Dust Bowl's storms that launched the movement to conserve our soils in the 1930s, and led to the formation of the soil and water conservation districts.

Initially, Congress enacted the Soil Conservation Act of 1935, establishing a national policy to control and prevent soil erosion, and directing the Secretary of Agriculture to establish the Soil Conservation Service (now the Natural Resources Conservation Service). Then, the locally-led Conservation District concept was developed to enlist the cooperation of landowners in carrying out the programs authorized by the act. In 1937, President Roosevelt recommended state-level legislation that would allow local landowners to form soil conservation districts. Given that about 75% of the continental United States was privately owned, Congress realized that only active, voluntary support from landowners would help ensure that local needs were being met and guarantee the success of conservation work on private land. Today, there are over 3,000 conservation districts nationwide, continually adapting to new conservation challenges.

Connecticut's Conservation Districts were formed by state statute in 1946, "...to assist the commissioner of environmental protection in identifying and remedying the problems of soil and water erosion...", initially one in each of the state's eight counties. In 2003 Districts were reorganized into five districts to work locally but within a watershed perspective. The focus of District work has also branched out from the early days to address a variety of natural resource conservation challenges, such as assessing and restoring water quality and aquatic habitat; protecting wetlands; promoting and implementing low impact development practices; preventing erosion and sedimentation; stormwater management; educating the public about "backyard" stewardship; habitat management planning for open space preserves; as well as working with the agricultural community to develop conservation plans and implement sustainable management practices — to protect natural resources and promote soil health.

To learn more about Connecticut's soil health and the 2015 International Celebration of Soils go to CT Natural Resource Conservation Service website; [www.NRCS.USDA.gov/wps/portal/nrcs/main/ct/soils/](http://www.NRCS.USDA.gov/wps/portal/nrcs/main/ct/soils/) and The Soil Science Society of America, [www.soils.org/IYS](http://www.soils.org/IYS).

*districts, continued on page 7*

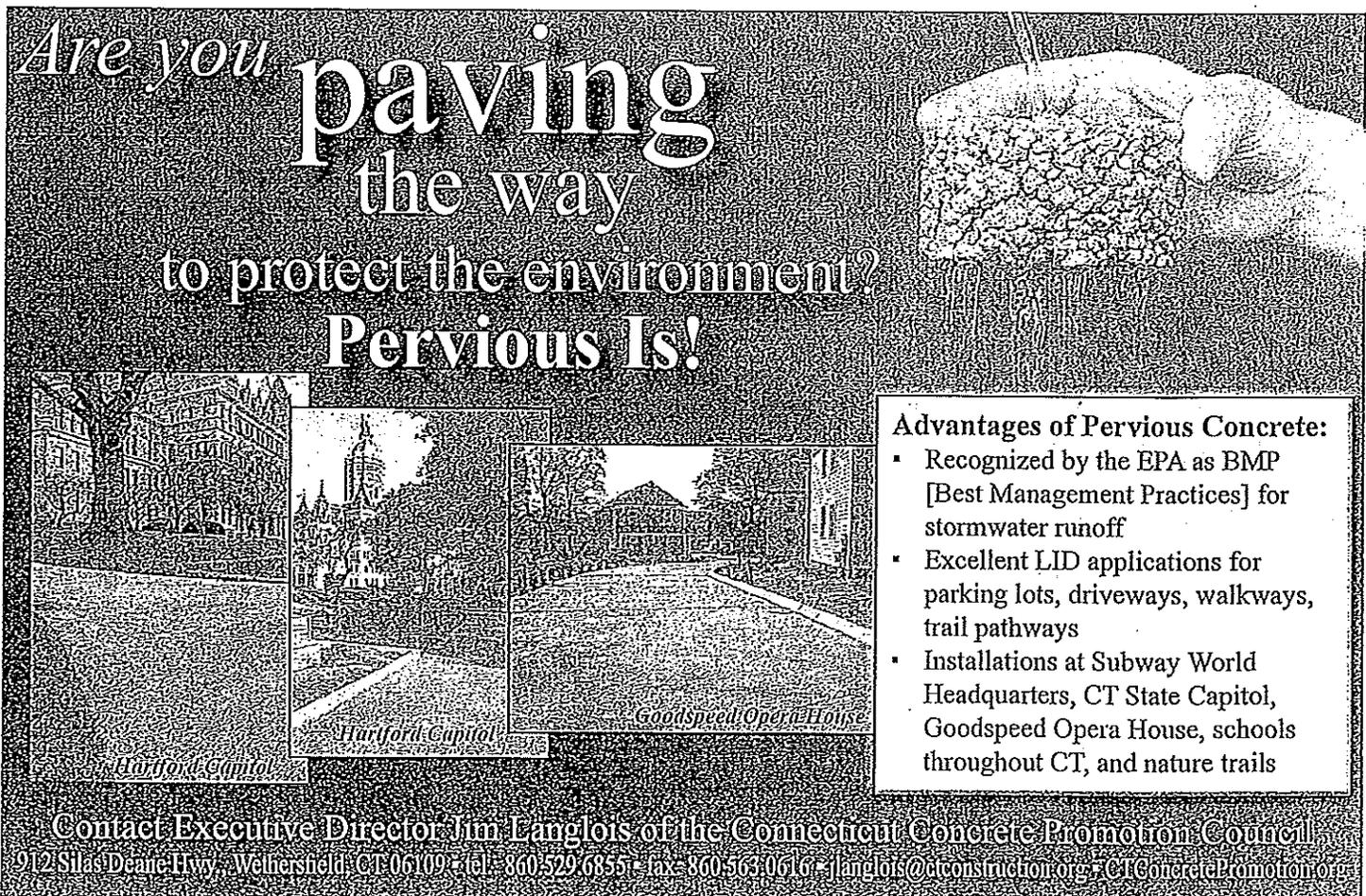
## Connecticut Conservation Districts: *Providing Natural Resource Management Since 1946*

In 2014, Connecticut's five Conservation Districts were able to address the following Conservation priorities, as well as respond quickly to storm related issues:

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- ✓ Migratory fish passage projects
- ✓ Water quality assessment and watershed management

For assistance please call: North Central Conservation District: 860-875-3881 ext. 2; South Western Conservation District: 203-287-8038; North Western Conservation District: 860-626-7227; Eastern Connecticut Conservation District: 860-887-4163 ext. 402; CT River Coastal Conservation District: 860-346-3282.

*Editor's Note: State budget cuts this year reduced funding for Conservation Districts by 8.9% over 2 years; each of the five Districts will receive \$44,375 in 2015-16 and \$45,000 in 2016-17. State funding for the Conservation Districts helps provide the operating capacity Districts need to carry out their statutory responsibilities, attract federal funding, leverage additional resources, and provide services to the agricultural community, municipalities, land trusts and private land owners. Grant funds cannot be used for operations, or managerial and administrative functions.*



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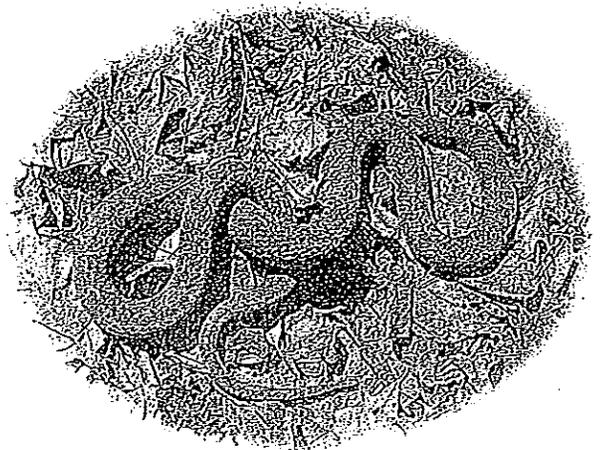
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*Registered Soil Scientist*

*Certified Professional Wetland Scientist*

*38 Westland Avenue West Hartford 06107*

*860-561-8598    [ecosys88@gmail.com](mailto:ecosys88@gmail.com)*



*Editor's Note: Municipal land use commissions are missing out if they do not recruit Envirothon students to serve on the commission as "advisors".*

## Coginchaug Regional High School Wins 24th Annual CT Envirothon Competition!

**O**n May 21, 2015, forty-two teams of high school students and their advisors from all over Connecticut convened at Connecticut College Arboretum for the all-day 24th Annual CT Envirothon field competition.

Envirothon ([www.ctenvirothon.org/](http://www.ctenvirothon.org/)) is a North American high school natural resource education program involving teams of high school students competing in five subject areas, forestry, soils, aquatics, wildlife and a current natural resource issue. In 1992 Connecticut Conservation Districts organized the first Connecticut state-wide Envirothon competition.

During the school year, students learn from web-based resources and hands-on work with environmental specialists in a series of workshops covering the five subject areas; in 2015 the natural resource issue was Urban Forestry. The program culminates with a field competition in May when each five member team rotates through the five subject area sites to be tested on their knowledge of natural resources and their teamwork skills.

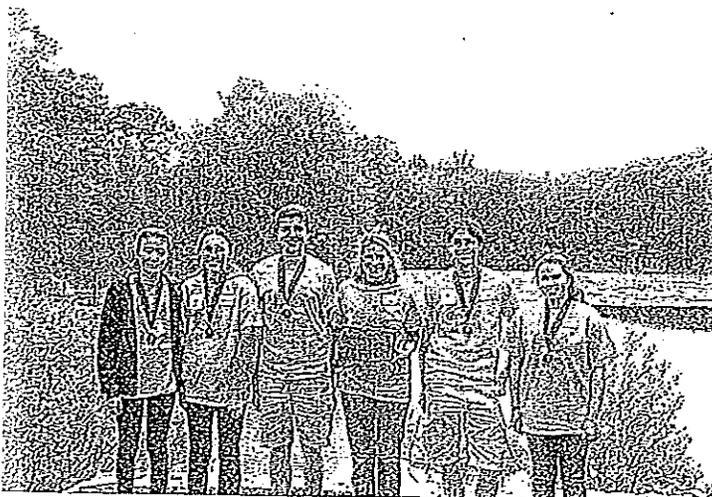
CT Envirothon is guided and coordinated by a Steering Committee made up of Conservation District staff and board members, and other environmental professionals from state/federal agencies, colleges/universities, and private companies and nonprofit organizations.

### "Take the Natural Challenge!"

The mission of CT Envirothon is to promote environmental awareness, knowledge, and active personal stewardship among high school students through educational workshops and team competition. CT Envirothon challenges the students — our next generation of environmental stewards and professionals — to develop critical thinking, cooperative problem-solving and decision-making in a team environment.

CACIWC congratulates the Coginchaug Regional High School (Durham-Middlefield) team and their mentor, Science Department Chair, Susan Michael, for winning the 2015 CT Envirothon. This summer the team will study to compete in the National Envirothon at Missouri State University in late July-August against teams from across the US and Canada.

Congratulations also to the Housatonic Valley High School-Agriscience and Housatonic Valley High School teams and their advisors for their 2nd and 3rd place finish, respectively, in the 2015 CT Envirothon, and to all the students that competed in the event. ♣



*The Coginchaug Regional High School Envirothon Team (left to right): Lilian Zhou, Amelia Bianchi, Matthew Savicki, advisor Susan Michael, Tyler McDonald, and Natalie Charette. Photo Credit: CT Envirothon*

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legislative, continued from page 3

nor to put the issue on the Bond Commission's agenda, which meets, generally once a month. It takes time and can be tedious.

Recreational Trails Bond Funds for DEEP's Grant Program received \$10 million over 2 years for construction, maintenance, and improvements to bikeways, pedestrian walkways, greenways, and multi-use trails (this was in addition to \$2 million authorized in SB 1062). This reduces the dependence of the State on federal funding through the Recreational Trails Program for trails which has not been consistent.

### Funding State Land Conservation

The State Parks Budget was cut \$200,000/year. However, budget rescissions of \$400,000/year were made earlier in the year, so the overall impact to State Parks in 2016-2017 is equivalent to a cut of \$600,000/year.

DEEP's Recreation and Natural Heritage Trust Program received Open Space Bond Funds of \$15 million over 2 years which enables CT DEEP to acquire new State Parks, Forests, and Wildlife Management Areas; State Parks received Bond Funds of \$25 million over 2 years for infrastructure alterations and renovations.

### Protecting State Conservation Lands

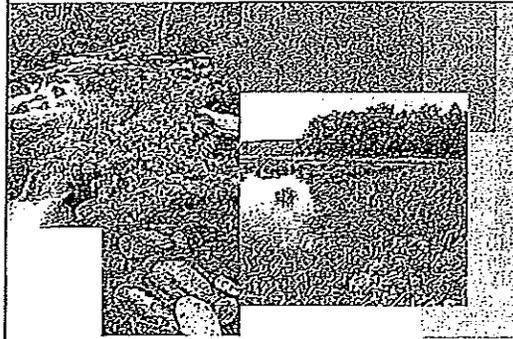
At the "last minute" actions during the Implementer Session Public Lands proposed to be given away or subjected to road development were removed from the Conveyance Act. Without this action 4.7 acres of Silver Sands State Park would have been given away to the City of Milford, and two sand and gravel extraction companies would have been allowed to construct private access roads across sensitive habitats in the Quinebaug Wildlife Management Area in eastern Connecticut.

### Support for State and Municipal Agriculture

Senate Bill 346, passed unanimously in both chambers and signed by the Governor on June 4th, makes improvements to the Department's Farmland Restoration Program, which provides matching grants to restore agricultural land back into production. This bill increases the cost-share to up to 90% of the project's cost for the restoration of state and municipal agricultural lands, if there is a lease of 5 years or more. The bill also expands the items reimbursable to farmers under the program and makes other technical changes.

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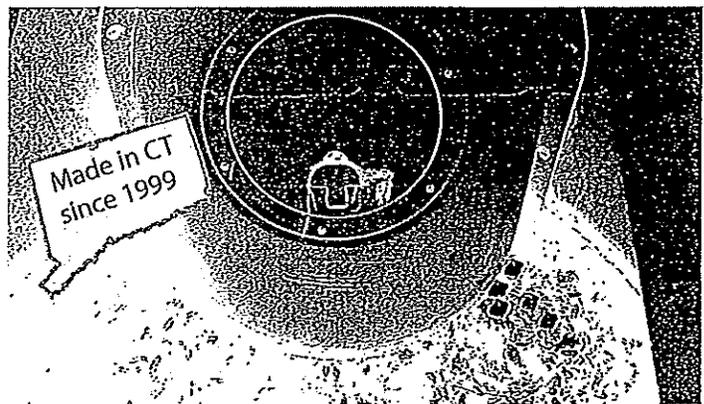
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legislative, continued from page 10

The Farm Reinvestment Program received \$1 million in authorizations for FY17 and the Agricultural Experiment Station received \$11.7 million in authorizations for renovations to the Valley Lab in Windsor.

The Farmland Preservation Program did not receive any new bond authorizations; available bond funds will provide significant support for our state's farmland protection efforts over the two-year 16-17 budget.

Shellfish grounds were added as eligible for the Department of Agriculture's Farmland Restoration Program and an Aquaculture Advisory Council.

### Support for Environmental Quality

In addition these actions were taken by the legislature.

- Thanks to statewide support, the Council on Environmental Quality survived threats to its existence, emerging from the budget battle as still the state's independent watch-dog agency that the public relies upon to monitor environmental progress, assess the efficacy of state environmental laws, policies and programs, and investigate alleged violations of environmental laws. Acting through its volunteer council and just two staff, with limited support from DEEP for administrative purposes only, CEQ provides the public with these services efficiently, effectively and at minimal cost (less than \$185,000/year) to the state. There is likely no other independent state agency that does so much for so little.
- State funding for the five CT Conservation Districts and the Council on Soil and Water Conservation was cut by 8.9% over 2 years which will require some adjustment in managing natural resources services; each of the five Districts and the Council will receive \$44,375 in FY15-16 and \$45,000 in FY16-17. State funding for the Conservation Districts helps provide the operating capacity Districts need to carry out their statutory responsibilities, attract federal funding, and leverage additional resources. Grant funds cannot be used for operations, or managerial and administrative functions.
- The Blue Plan creates a bi-state, multi-stakeholder mechanism for assessing Long Island Sound's natural resources and planning for their protection.
- There were several important Lawn Care Pesticide bills debated this session. None were passed in the legislature's regular session that ended on June 3rd. However, in the special session, June 29th, the

Implementer Bill included a ban on the use of pesticides on municipal playgrounds and included new notice requirements except in emergency situations.

- The Implementer Bill also bans microbeads in cosmetics and personal care products starting in 2018.
- Public Act 15-100 "An Act Concerning the Penalty for Violation of a Municipal Ordinance Regulating the Operation or Use of a Dirt Bike or All-terrain Vehicle": a written warning is no longer required for a first offense by an ATV or dirt bike that violated a municipal ordinance.
- The Clean Water Fund received \$140 million in grants and \$238 in low cost loans primarily for sewage treatment. In addition \$20 million was added for green infrastructure plus \$20 million for shoreline resiliency.
- Cities and towns received \$20 million to help reduce pollution from storm water by developing projects to help absorb and filter runoff before it gets in rivers and Long Island Sound.
- Funds remained in place at the Office of Policy and Management for work on a Comprehensive State Water Plan. ✪

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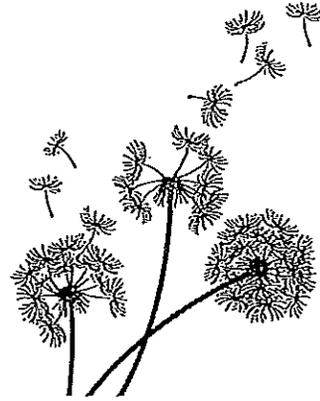
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## Educational Wildlife Signs Available

DEEP's Wildlife Division has produced signs that municipalities, businesses, and other groups can use to inform the public about various wildlife species and issues:

- "Do Not Feed the Waterfowl" vinyl signs that measure 20" X 24" can be obtained free-of-charge by sending an email request to [deep.ctwildlife@ct.gov](mailto:deep.ctwildlife@ct.gov). You will be contacted for further information. The printing of these signs was made possible through grants and support from cooperating organizations and agencies.
- A "Be Bear Aware" poster (which can be printed or downloaded) gives advice on preventing conflicts with bears and on what to do if you encounter a bear. Three different sizes are available: small-8 ½"x 11", medium-8 ½"x14", and large-11"x17". The posters can be displayed at town halls, visitor centers, parks, schools, and other public buildings/locations. Go to: [www.ct.gov/deep/lib/deep/wildlife/pdf\\_files/outreach/BearAwarePosterSmall.pdf](http://www.ct.gov/deep/lib/deep/wildlife/pdf_files/outreach/BearAwarePosterSmall.pdf).
- "Stay Away from Bird Nesting Area" signs can be printed or downloaded to post near osprey nesting platforms. Use your printer menu to scale the sign to whatever size is needed. Signs should be laminated to prevent weather damage. Go to: [www.ct.gov/deep/lib/deep/wildlife/pdf\\_files/nongame/OspreySign.pdf](http://www.ct.gov/deep/lib/deep/wildlife/pdf_files/nongame/OspreySign.pdf).



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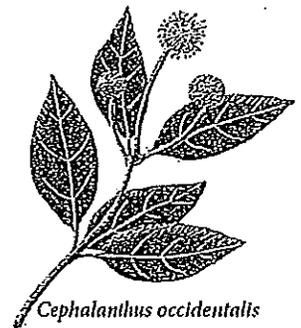
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conference, continued from page 1

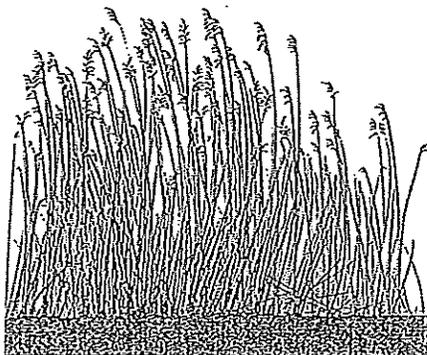
In response to your comments from the 2014 meeting survey, CACIWC has worked with our conference facility to revise the layout of our 2015 workshop rooms to provide more space for displays, encourage networking, and increase learning through use of improved sound and audiovisual systems. We look forward to having you join us at:

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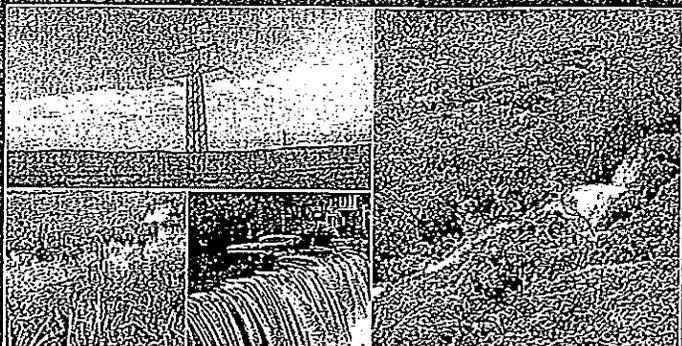
CACIWC has also organized a great selection of scientific, legal, procedural, and administrative workshops for both new and experienced inland wetlands and conservation commissioners and their agents. These include:

- Developing local resilience to climate change
- News from the Connecticut Invasive Plant Watch List
- 2015 legal updates
- Sensible stormwater & ecological restoration solutions
- Back to basics: wetlands law & regulations
- Low-impact development (LID)
- Understanding new subsurface regulations
- Emerging threats from non-native insects
- Integrated approaches to minimize use of pesticides
- Pond management techniques
- Working with other commissions
- Use of Smartphone to delineate local habitats

Watch for additional details on our website at: [www.caciwc.org](http://www.caciwc.org). Please direct any questions on our annual conference to us at: [AnnualMtg@caciwc.org](mailto:AnnualMtg@caciwc.org).



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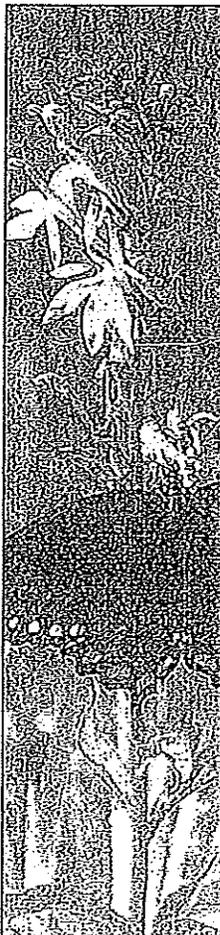
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*CACIWC news, continued from page 2*

Please be assured that the CACIWC Board of Directors is committed to continue our support of your efforts. You have the power to help protect the habitats in your own town as well as those in our shared global environment!

1. During our 2015 conference, CACIWC plans to continue our efforts to educate and support the efforts of our member commissions to protect local wetland habitats, gather local data, set community priorities, work with cooperative partner agencies, and help strengthen the resiliency of their municipalities to the impact of climate change. Our 38th Annual Meeting and Environmental Conference is scheduled for Saturday, November 14, 2015; *please save the date!* We are pleased to provide an advanced description of the conference in this issue of *The Habitat*. Watch for additional conference news in upcoming issues and on our [www.caciwc.org](http://www.caciwc.org) website.

2. The CACIWC board of directors expresses its thanks to the commissions who have already paid their 2015-16 membership dues in response to the recently distributed reminder and renewal form. A copy of this form and additional information has also been placed on our website: [www.caciwc.org](http://www.caciwc.org). Our website also provides a description of additional individual and business membership categories you or your company can use to provide additional support to CACIWC. We will very much appreciate any additional contributions that you can provide to support various CACIWC programs including our Annual Meeting, educational materials, and future issues of *The Habitat*.

3. The CACIWC board of directors has continued work on the development our new strategic plan. As part of the strategic planning process, we have been incorporating information obtained from the 2013 and 2014 membership-wide surveys. We will be requesting additional information to further assess your educational needs and ensure that CACIWC is aware of any new challenges to your efforts in protecting Connecticut wetlands and other important habitats.

4. Although we have received several inquiries, some CACIWC board vacancies remain unfilled (please see the updated list in this issue of *The Habitat* and on [www.caciwc.org](http://www.caciwc.org)). Please submit your name to us at [board@caciwc.org](mailto:board@caciwc.org) if you are interested in serving as the New London County representative, one of the vacant alternate county representatives, or as one of the alternate at large representative positions.

5. We also heard from members interested in serving on one of our CACIWC advisory committees designed to help us with our education and outreach efforts, contribute to the development of new goals and objectives for our updated strategic plan, and participate in the ongoing review of legislative initiatives. Let us know of your areas of interest by contacting us at [board@caciwc.org](mailto:board@caciwc.org).

6. Individuals are also working with us on ways to expand our ability to communicate with member commissions and staff. These include systems to quickly send you important messages on emerging topics of interest, including grants & funding, legislative issues, and educational opportunities. These improved communications will include an expanded listserv and website-based systems. Please respond to requests for updated email listings from both board members as well as our Membership Coordinator & Database Manager Janice Fournier.

As always, please do not hesitate to contact us via email at [board@caciwc.org](mailto:board@caciwc.org) if you have questions or comments on any of the above items or if you have other questions of your board of directors. All of us benefit from your ongoing efforts to protect wetlands and conserve important habitats within your municipality!

Alan J. Siniscalchi, President

## CT DEEP 2015 Wildlife Action Plan Available for Review

The public is encouraged to review and comment on the Draft 2015 Wildlife Action Plan available on the DEEP website at [www.ct.gov/deep/WildlifeActionPlan](http://www.ct.gov/deep/WildlifeActionPlan). The Plan is a vision for the future of fish and wildlife conservation in CT; to keep common species common. Comment will be accepted through August 21.

## Excerpts from CT DEEP — Your Environmental Connection

### ALERT! Southern Pine Beetle Found in Four Connecticut Counties

The small, destructive Southern pine beetle (*Dendroctonus frontalis*) has been detected at four sites in New Haven, Litchfield and Hartford Counties by the Connecticut Agricultural Experiment Station (CAES) and DEEP and confirmed by the USDA Forest Service. This beetle is native to the Southeastern United States where it infests and kills large stands of pine. Connecticut's native white pine (a "soft" pine) is not at risk, but pitch pine and other "hard" pines are. The potential loss of pitch pine is of concern because it provides habitat for rare and endangered species dependent upon pine-oak sandy barrens. It is unclear how, or when, the beetle arrived in Connecticut. Trapping began in mid-April to determine beetle overwintering success. Visual surveys are underway to determine the extent of the infestation. Pines attempt to push out attacking beetles with a flow of resin. Attacked trees become covered with small popcorn-like blobs of dried resin (see photo above). If the attack is successful, beetles lay eggs under the bark and larvae then feed on the circulatory system of the tree, killing it in one to two years. If you see pines with the popcorn resin, please contact CAES at [ctstateentomologist@ct.gov](mailto:ctstateentomologist@ct.gov) or call 203-974-8474.

### Join the 18 Tree City USAs in Connecticut

Tree City USA is an honor earned by cities and towns that meet four standards set by the Arbor Day Foundation and have their application approved by the State Forester. The four standards are having:

- A tree board or department
- A tree care ordinance
- An urban forestry program with an annual budget of at least \$2 per capita
- An Arbor Day observance and proclamation

Connecticut currently has 18 Tree City USAs. The program was initiated by the Arbor Day Foundation in 1976. DEEP's Urban Forestry Program is willing to work with any community interested in exploring whether it qualifies as a Tree City USA and what is needed to earn that designation. Many communities might be surprised at how close they are. Applications for next year's honor are due in December.

For further information go to the following websites:

- [www.arborday.org/programs/treeCityUSA/treecities.cfm?chosenstate=Connecticut](http://www.arborday.org/programs/treeCityUSA/treecities.cfm?chosenstate=Connecticut)
- [www.ct.gov/deep/cwp/view.asp?a=2697&q=322872&deepNav\\_GID=1631](http://www.ct.gov/deep/cwp/view.asp?a=2697&q=322872&deepNav_GID=1631)

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### CT Department of Energy and Environmental Protection On-Line Municipal Inland Wetlands Agency Comprehensive Training Program



The Connecticut Department of Energy and Environmental Protection (DEEP) Municipal Inland Wetlands Agency Comprehensive Training Program is available for registration now through December 1, 2015. This training program, offered pursuant to the General Statutes of Connecticut section 22a-39, consists of an interactive, multi-media, self-paced online course offered through a Central Connecticut State University website platform ([www.ccsu.edu/cpps/deep](http://www.ccsu.edu/cpps/deep)). The online course is designed for new agency members and staff, and covers a range of legal, administrative and scientific subjects relevant to municipal inland wetlands agency regulation. A DEEP issued certificate of program completion is awarded to participants upon completion of the course. In addition, a voucher allowing one person to register for the comprehensive training program online course at no cost has been mailed to each municipal inland wetlands agency. Course fee for all other participants is \$75.00 per person. The Municipal Inland Wetlands Agency Comprehensive Training Program is available for registration through December 1, 2015. Course participants have until December 15, 2015 to complete the course.

