



APPLICATION FOR PERMIT EAST LYME INLAND WETLANDS AGENCY

Office Use Only

Fee Paid _____ Date Submitted _____ Application # _____
Date of Receipt _____ Date Approved _____ Permit Number _____
Major Impact: YES NO Public Hearing: YES NO Agent Approved: YES NO

Note: In accordance with the Inland Wetland and Watercourses Regulations, Eleven (11) copies of all application materials must be submitted.

1. SITE LOCATION (Street) and Description: Colony Road Bridge No. 05623 over Latimer Brook

Assessor's Map _____ Lot # _____

Note: It is the applicant's responsibility to provide the correct site address, map/lot number for the legal notice. Provide a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands and watercourses to be disturbed, soil type(s), and wetland vegetation.

2. APPLICANT: VHB - Jeffrey Fontaine, PE (authorized agent)

Address: 100 Great Meadow Road, Suite 200 Phone: (860) 407-4300
Wethersfield, CT 06109 Fax: _____
Business: _____ Cell: _____
Email: jfontaine@vhb.com

Applicant's interest in the land: Consultant Liaison Engineer & Permitting

***If the applicant is a Limited Liability Corporation or a Corporation provide the managing member's or responsible corporate officer's name, address, and telephone number.*

3. OWNER: Town of East Lyme - Dan Cunningham - First Selectman

Address: 108 Pennsylvania Avenue Phone: _____
Niantic, CT 06357 Fax: _____
dcunningham@eltownhall.com Cell: _____
Email: _____

***As the legal owner of the property listed on this application, I hereby consent to the proposed activities. And I hereby authorize the members and agents of the Agency to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.*

Owners Printed Name: Dan Cunningham - First Selectman

Owners Signature: *Daniel R. Cunningham* Date: 10/1/25

4. Area of wetland to be disturbed: 0 sq. ft. or ac 0
Area of watercourse to be disturbed: 4954 sq. ft. or ac 0.11
Upland review area to be disturbed: 36,000 sq. ft. or ac 0.83

Will fill be needed on site? Yes ☒ No

If yes, how much fill is needed? No net fill Cubic yards

5. The property contains (circle one or more)

☒ WATERCOURSE

☒ WATERBODY WOODED-WETLAND

☐ SWAMP

☒ FLOODPLAIN

OTHER: _____

Description of soil types on site: Refer to Wetland Delineation Report attached

Description of wetland vegetation: Refer to Wetland Delineation Report attached

Name of Soil Scientist(s) and date of survey: IMEG (FKA FHI Studio)

6. Provide a written narrative of the purpose and a description of the proposed activity and proposed erosion and sedimentation controls and other best management practices and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including, but not limited to, measures to (1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance and create productive wetland or watercourse resources. Depending on the complexity of the project, include the following: construction schedule, sequence of operations, drainage computations with pre and post construction runoff quantities and runoff rates, plans clearly showing the drainage areas corresponding to the drainage computation, existing wetland inventory and functional assessment, soils report, construction plans signed by a certified soils scientist, licensed surveyor, and licensed professional engineer.

7. Provide information of all alternatives considered. List all alternatives which would cause less or no environmental impact to wetlands or watercourses and state why the alternative as set forth in the application was chosen. All such alternatives shall be diagrammed on a site plan or drawing. (Attach plans showing all alternates considered).
Refer to Narrative attached

8. Attach a site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands and watercourses.

9. Provide the name and mailing addresses of adjacent landowners (including across a street). Attach additional sheets if necessary.

Name/Address: Refer to Narrative attached

Name/Address: _____

Name/Address: _____

10. Attach a completed DEP reporting form.

The Agency shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with section 22a-30-14 of the Regulations of Connecticut State Agencies.

11. Name of Erosion Control Agent (Person Responsible for Compliance):

Town of East Lyme

Address: _____

Phone: _____

Fax: _____

Email: _____

Cell: _____

12. Are you aware of any wetland violations (past or present) on this property? Yes ☐ No ☒

If yes, please explain: _____

13. Are there any vernal pools located on or adjacent (within 500') to the property? Yes ☐ No ☒

14. For projects that do not fall under the ACOE Category I general permit – Have you contacted the Army Corps of Engineers? ☒ Yes ☐ No

15. Is this project within a public water supply aquifer protection area or a watershed area? Yes ☐ No ☒

16. If so, have you notified the Commissioner of the Connecticut Department of Public Health and the East Lyme Water and Sewer Department? Yes ☐ No ☐ (Proof of notification must be submitted with your application).

17. Attach the appropriate filing fee based on the fee schedule established in Section 19 of the Regulations.
Fee: N/A (Make checks payable to "Town of East Lyme").

18. PUBLIC HEARINGS ONLY: The applicant must provide proof of mailing notices to the abutters prior to the hearing date.

The undersigned Applicant hereby consents to necessary and proper inspection of the above mentioned property by the East Lyme Inland Wetlands Agency and/or its agents at reasonable times both before and after the permit in question has been granted.

The Applicant affirms that the information supplied in this application is accurate to the best of his/her knowledge and belief. As the applicant I hereby certify that I am familiar with the information provided in this application and I am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.

Printed Name: Jeffrey Fontaine, PE

Date: September 28, 2025

Signature: jfontaine@vhb.com

Digitally signed by jfontaine@vhb.com
DN: cn=jfontaine@vhb.com
Date: 2025.09.29 11:34:55-04'00'

Please note:

Above notice to be published in legal section of newspaper having general circulation in the Town of East Lyme. Applicant to pay cost of publication. You or a representative must attend the Inland Wetlands Agency meeting to present your application.

CHECKLIST FOR A COMPLETE APPLICATION

- ☒ completed application form including Department of Environmental Protection reporting form (green copy)
- ☒ A narrative of the purpose and description and methodology of all proposed activities;
- ☐ Alternatives considered by the applicant, reasons for leaving less than a 10' buffer between clearing and the wetlands. Such alternatives to be diagrammed on a site plan or drawing and submitted to the commission as part of the application;
- ☒ Names and mailing addresses of abutting property owners;
- ☒ Three copies of approximately 1"=40' scale plans
- ☒ Locations of existing and proposed land uses
- ☒ Locations of existing and proposed buildings
- ☐ Locations of existing and proposed subsurface sewage disposal systems, and test hole descriptions
- ☒ Existing and proposed topographical and man-made features including roads and driveways, on and adjacent to the site
- ☒ Location and diagrams of proposed erosion control structures
- ☐ Assessor map and lot number
- ☐ Key or inset map
- ☒ North arrow
- ☒ Flood zone classification and delineation
- ☒ Use of wetland and watercourse markers where appropriate.
- ☒ Soil types classification and boundary delineation (flagged and numbered boundary), Soil Scientist's original signature and certification on plans
- ☒ Soil Scientist's (or other wetland scientist) report on the function of the wetlands
- ☒ Watercourse channel location and flow direction, where appropriate
- ☐ 100 ft. regulated area depicted on plans
- ☐ Conservation easements where appropriate
- ☒ A detailed erosion and sediment control plan which meets requirements set forth in the most recent revision of the *Connecticut Guidelines for Soil Erosion and Sediment Control*, published by the Connecticut Council on Soil and Water Conservation, including:
 - ☒ Location of areas to be stripped of vegetation and other unprotected areas
 - ☒ Schedule of operations including starting and completion dates for major development phases
 - ☒ Seeding, sodding, or re-vegetation plans for all unprotected or un-vegetated areas
 - ☒ Location and design of structural sediment control measures
 - ☒ Timing of planned sediment control measures
 - ☒ Use of wetland and watercourse markers
- ☒ Proper certification on the application documents and plans

In the case of filling in wetlands, watercourses, or regulated upland areas, the following items are necessary:

- ☒ Area to be filled
- ☒ Volume of requested fill
- ☒ Finished slopes of filled areas
- ☒ Containment and stabilization measures
- ☒ Proposed finished contours
- ☐ Evaluation of the effect of filling the wetlands with respect to storage volume and its impact downstream showing before and after development flows, and the evaluation of storm water detention including the existing need for flood control downstream

Other required items:

- ☐ Proof of adjoining Town notification, where required;
- ☐ All application fees required by Section 16 of these regulations;
- ☒ A written narrative detailing how the effects of the applicant's proposed activities upon wetlands and watercourses shall be mitigated.
- ☒ A written description of any and all future plans which may be linked to the activities proposed in the current application.
- ☐ Address the potential to enhance the current buffer area.
- ☐ Review drainage information with Town Engineering
- ☐ Mailing requirements for abutters (public hearing only)

Appendix D - ORDINANCE ESTABLISHING SCHEDULE OF FEES FOR CONSERVATION, PLANNING AND ZONING COMMISSIONS

- 1.1 Application Fee **
 - 1.1.1 Residential Uses..... \$150.00 Plus *\$50.00/LOT
Plus Fee from Schedule A
 - 1.1.2 Commercial Uses..... \$400.00
Plus Fee from Schedule A
 - 1.1.3 All Other Uses \$200.00
Plus Fee from Schedule A

*Each lot with regulated activities
 **\$60 fee required by C.G.S 22a-27j will be added to the base fees.
- 1.2 Approval by Duly Authorized Agent ** \$100.00
- 1.3 Appeal of Duly Authorized Agent Decision..... \$300.00
- 1.4 Significant Activity Fee \$300.00
- 1.5 Public Hearing Fee
 - 1.5.1 Single Residential \$200.00
 - 1.5.2 Commercial/Industrial/Multi-Family \$450.00
- 1.6 Complex Application Fee Actual Cost

The Inland Wetlands Agency may charge an additional fee sufficient to cover the cost of reviewing and acting on complex applications. Such fee may include, but not be limited to, the cost of retaining experts, to advise, analyze, review, and report on issues requiring such experts. The Agency or the duly authorized agent shall estimate the complex application fee, which shall be paid pursuant to section 19.1 of these regulations within 10 days of the applicant's receipt or notice of such estimate. Any portion of the complex application fee in excess of the actual cost shall be refunded to the applicant no later than 30 days after publication of the agency's decision.
- 1.7 Permitted and Nonregulated Uses :
 - 1.7.1 Permitted Uses as of Right \$0.00
 - 1.7.2 Nonregulated \$0.00
- 1.8 Regulation Amendment Petitions \$500.00
(Does not include Notices or Regulation Advisories from DEP)
 - 1.8.1 Map Amendment Petitions \$500.00
Plus Fee from Schedule B
- 1.9 Modification of Previous Approval: \$100.00
- 1.10 Renewal of Previous Approval \$100.00
- 1.11 Monitoring Compliance Fee \$100.00
- 1.12 SCHEDULE A. For the purpose of calculating the permit application fee, the area in schedule A is the total area of wetlands and watercourses and the upland review area upon which a regulated activity is proposed.
SQUARE FEET of AREA
 - 1.12.1. Less than 1,000. \$0.00
 - 1.12.2. 1,000 to 5,000 \$250.00
 - 1.12.3. More than 5,000 \$750.00
- 1.13 SCHEDULE B. For the purpose of calculating the map amendment petition fee, linear feet in schedule B is the total length of wetlands and watercourses boundary subject to the proposed boundary change.
LINEAR FEET
 - 1.13.1. Less than 500 \$0.00
 - 1.13.2 500 to 1,000 \$250.00
 - 1.13.3 More than 1,000..... \$750.00

State Project No. 0044-0161
Replacement of Bridge No. 05623
Colony Road over Latimer Brook
Town of East Lyme Inland Wetlands Commission
Permit for Regulated Activities

Project Description

VHB is submitting a regulated work permit application on behalf of the applicant, the Town of East Lyme. The project consists of replacing Colony Road Bridge No. 05623, conveying Latimer Brook. This is a Town project administered by CTDOT as State Project No. 0044-0161. This project is funded by state and federal sources. As such, significant coordination has taken place with CTDOT Office of Environmental Planning (OEP), CTDEEP, and USACE to satisfy state and federal permitting guidance and requirements. The following project narrative describes the existing site conditions and proposed bridge replacement project.

Bridge No. 05623, Colony Road over Latimer Brook, is scheduled for replacement as part of the Federal Local Bridge (Design Managed by State) Program. The existing bridge is a culvert structure consisting of twin corrugated metal pipe arches, each approximately 17 feet wide by 10 feet tall by 100 feet long. The initial culvert pipe was installed in 1969, with the second pipe installed in 1982. Bridge No. 05623 is approximately 0.3 miles east of Route 161 (Flanders Road) and 1.25 miles north of Route 1. Colony Road is a residential road with low traffic volume (average daily traffic count of 322 vehicles).

Bridge No. 05623 is scheduled to be replaced due to structural deficiencies resulting in a poor condition rating. The proposed bridge replacement consists of replacing the existing culvert structure with a single span bridge. The hydraulic width (spanning the stream) of the new bridge will be increased to 78 feet, to allow the natural stream to flow through the crossing. Work at the roadway approaches includes construction of approach slabs, pavement reconstruction, and open bridge rail transitioning to curved barrier walls and metal guide rail. The existing roadway drainage configuration will be updated to accommodate the new construction, including new pipe, manholes, basin tops, and outfall structures.

Construction will be completed during a road closure and traffic will be detoured around the site. Work is proposed to begin in the Spring of 2027 and be completed in by Fall of 2027.

The contributing drainage area at Bridge No. 05623 is 19.6 square miles. The regulated resources at the site include State-regulated watercourses and federally regulated waters of the United States. State and federally regulated wetlands are present within the project limits; however, there are no proposed impacts to wetland areas. The project is located within a FEMA mapped flood zone (AE) and FEMA floodway. Coordination has taken place with CTDEEP Fisheries and recommendations have been incorporated to maintain unrestricted fish passage at the bridge. Coordination with CTDEEP Natural Diversity Data Base (NDDDB) has been completed, including a site protection plan for Wood Turtles. The NDDDB final coordination letter and Wood Turtle Protection Plan are included with this application. The project site is not within a public water supply watershed and will not impact public drinking water supply sources. A CTDEEP Statewide Inland Wetlands & Watercourses Activity Reporting Form is included with the application.

Proposed erosion and sedimentation controls and management practices: Impacts to the stream will be minimized through adherence to CTDOT Form 819, Section 1.10 Best Management Practices and the 2024

Connecticut 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 2024 Connecticut Erosion and Sediment Guidelines. This includes sediment control systems placed at the toe of disturbed slopes, existing rock will be reinstalled at the drainage outlet, storage of construction materials outside of wetlands and flood prone areas, vehicle re-fueling and servicing at a location outside of the wetland and watercourse, and proper care and maintenance of vehicles and equipment.

Proposed avoidance, minimization, and mitigation measures: The proposed clear span will be increased to 78 feet. The increased clear span increases the efficiency of the hydraulic opening and returns water surface elevations closer to the natural conditions in which the stream was formed. Water handling will be performed utilizing water handling cofferdams for soil retention and dewatering through an appropriate filtration basin. Water handling will be tied into sediment control systems at the toe of engineered slopes to complete work in the dry and prevent sediment from entering the watercourse. A minimum channel opening will be provided for fish passage as coordinated with CTDEEP Fisheries and described on the permit plans. Riprap embankment protection is utilized to protect the new embankments from erosion. Native streambed material excavated during construction will be stockpiled and reused to maintain the riverine characteristics. Upon project completion, all disturbed areas within the project limits will be stabilized and restored with grass turf establishment, where appropriate. All in-water work, both confined and unconfined, will be prohibited from March 1st to May 15th to allow the free passage of fish in accordance with CTDEEP Fisheries guidance. Pumping of water around the site will also be prohibited (except by gravity) from May 16th to November 31st following CTDEEP Fisheries guidance.

There are no impacts proposed within the delineated state and federal wetland areas. Permanent impacts to the watercourse amount to 4514 s.f. (0.10 ac). Permanent impacts are due to the removal of the existing culvert structure. Temporary impacts to the watercourse will amount to 440 s.f. (0.01 ac). Temporary impacts are due to installation of water handling cofferdams for the removal of the existing culvert structure.

The Town of East Lyme Upland Review Area is within 300 feet of any wetland or watercourse (ordinary high waterline (OHW)). All proposed activities are located landward of any OHW or delineated wetland area, and, therefore, within the Upland Review Area. Total impacts to the Upland Review Area amount to approximately 36,000 sq. ft. (0.83 ac) and are limited to the existing roadway corridor. Upland impacts are a result of the installation of the new bridge structure, embankment protection, and incidental roadway reconstruction.

Areas for stockpiling materials will be determined by the contractor and are not currently depicted on the permit plans. Any material that cannot be stockpiled onsite will be coordinated with the Town at an offsite location.

Preliminary construction alternatives were assessed based on criteria including, but not limited to, construction cost, life cycle cost, constructability, environmental impact, safety design standards, connectivity, economic development, and traffic capacity. Existing and future conditions at the site were assessed by evaluating transportation, traffic operations, geometric and structural conditions, and environmental constraints. Four feasible alternatives were identified within these parameters, including the proposed project described above. Three full replacement options were considered: one with a precast, prestressed concrete deck superstructure (AASHTO Box beams), one with a steel girder and concrete deck superstructure, and one with a precast, prestressed concrete deck superstructure (NEXT Beams), all options supported on integral abutments. The three alternatives have similar benefits and

impacts to the regulated areas. Each provides a significant improvement to the riverine crossing by removing the existing multiple opening culvert structure and replacing it with a single span bridge and natural streambed bottom. The proposed structure will span 1.2 times greater than the bankfull width to minimize constriction of the natural channel and avoid future maintenance disruptions to the streambed, as well as include a riparian shelf for safe wildlife passage under the bridge. The selected with alternative with a precast, prestressed concrete deck superstructure (AASHTO Box beams) provides the greatest increase in hydraulic opening, providing improved hydraulic efficiency and reducing future flooding. The selected structure also provides low susceptibility to water infiltration, minimized future maintenance, and the greatest constructability for the lowest cost.

Through coordination with the United States Army Corps of Engineers (USACE), it was determined that the proposed project will be covered under a USACE SV GP19 Permit. Floodplain impacts will be permitted under the State of Connecticut Flood Management Certification for Municipal Projects MOU and the Town of East Lyme Inland Wetland Commission.

State Project No. 0044-0161
Replacement of Bridge No. 05623
Colony Road over Latimer Brook
Town of East Lyme Inland Wetlands Commission
Permit for Regulated Activities

Abutters List

Owners

Gabriel & Peitra Schneck
Faouzi E. & Katia Hage
James F. & Robin P. Kennedy
Terry Thibodeau
Francine A. Perry

Adress

16 Colony Road, East Lyme
22 Colony Road, East Lyme
15 Colony Road, East Lyme
23 Colony Road, East Lyme
3 Brookfield Drive, East Lyme

AQUIFER PROTECTION AREAS

East Lyme, CT

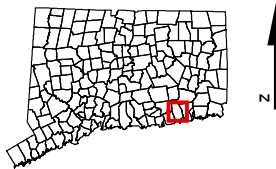
December 23, 2021

-  Level A APA (Final Adopted)
-  Level A APA (Final)
-  Level B APA (Preliminary)
-  Town Boundary

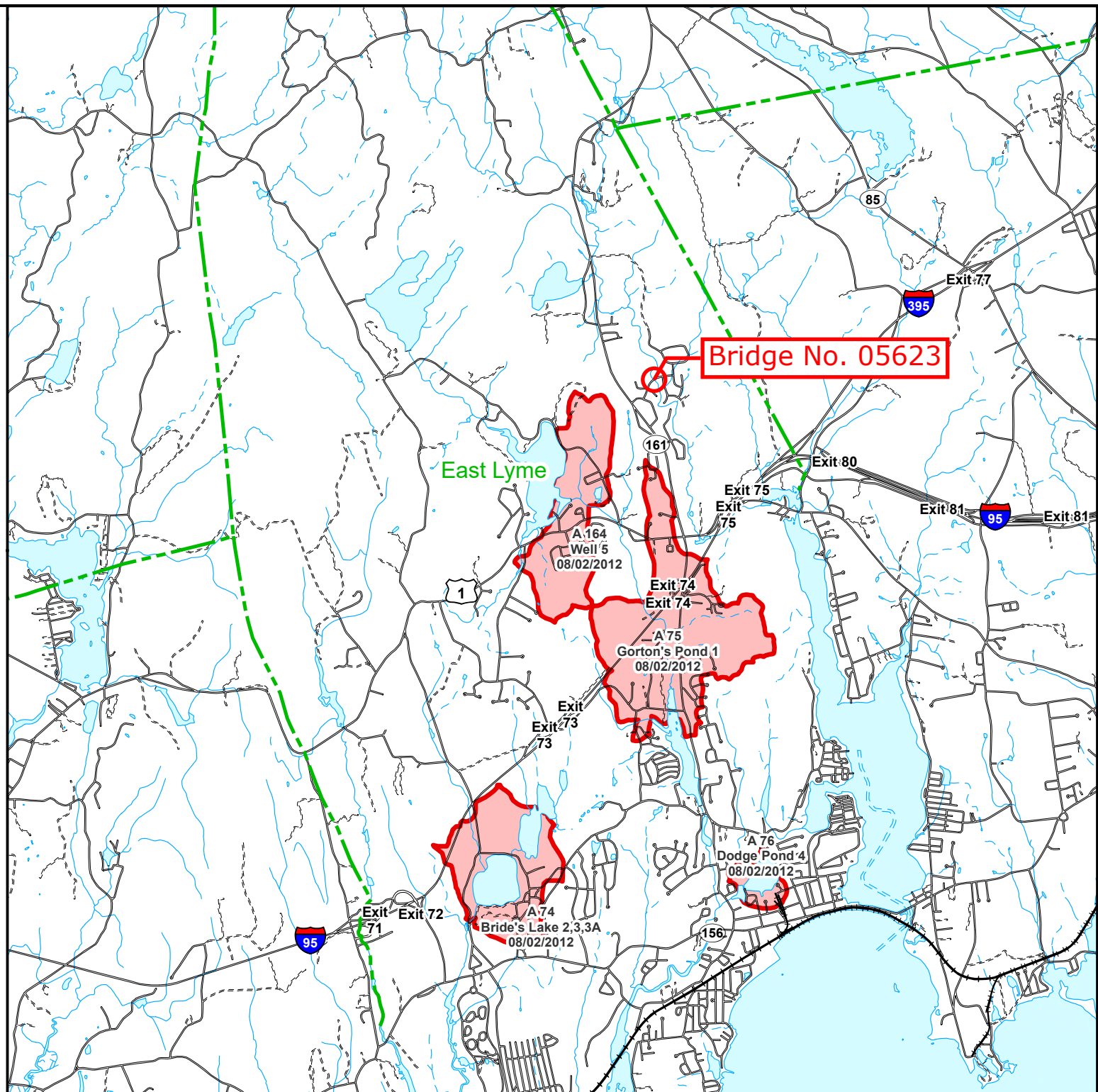
NOTE: The Aquifer Protection Areas were delineated through Connecticut's Level A and Level B Mapping Processes. Aquifer Protection Areas are delineated for active public water supply wells in stratified drift that serve more than 1000 people, in accordance with Sections 22a-354c and 22a-354z of the Connecticut General Statutes. Level B Mapping delineates a preliminary aquifer protection area, providing an estimate of the land area from which the well draws its water. Level A Mapping delineates the final Aquifer Protection Area, which becomes the regulatory boundary for land use controls designed to protect the well from contamination. As Level A Mapping is completed for each well field and approved by DEEP, it replaces the Level B Mapping. Final Adopted Level A Areas are those where towns have land use regulations for them. Massachusetts and Rhode Island Wellhead Protection Areas may be shown for informational purposes.

QUESTIONS:

Bureau of Water Protection and Land Reuse
Planning and Standards Division
Phone: (860) 424-3020
www.ct.gov/deep/aquiferprotection



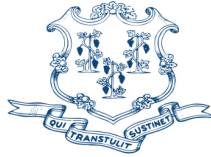
STATE OF CONNECTICUT
DEPARTMENT OF
ENERGY & ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Manisha Juthani, MD
Commissioner



Ned Lamont
Governor
Susan Bysiewicz
Lt. Governor

Drinking Water Section

May 17, 2023

Mr. James C. Otis
Close, Jensen, and Miller
1137 Silas Deane Highway
Wethersfield, CT 06109

Re: ***Replacement of Bridge No.05623***
DPH Project : #2023-0084

Dear Mr. Otis:

The Drinking Water Section (DWS) of the Department of Public Health has reviewed the location of the following bridge project:

Project No.	Bridge No.	Town	Road	Feature Crossed	Scope
0044-0161	05623	East Lyme	Colony Rd	Latimer Brook	Replacement

Based on our review it appears that the bridge project not located in a public water supply source water area, therefore it does not appear that the above bridge project will impact public drinking water supply sources.

If you have any questions regarding this matter, please contact me at richard.iozzo@ct.gov

Sincerely,

Richard Iozzo

Richard Iozzo
Environmental Analyst 2
Drinking Water Section

c: Kevin A. Seery, First Selectman, East Lyme



Phone: (860) 509-7333 • Fax: (860) 509-7359
410 Capitol Avenue, MS#12DWS, P.O. Box 340308
Hartford, Connecticut 06134-0308
www.ct.gov/dph

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