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Deborah Denfeld
Team Lead – Transmission Siting
Tel: 860-728-4654

February 1, 2023

Ms. Melanie Bachman, Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Petition 1486 - The Connecticut Light and Power Company d/b/a Eversource Energy petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed 400/500 Lines Rebuild Project consisting of the upgrade of the existing No. 400 69-kilovolt (kV) electric transmission line to 115-kV and the replacement and reconductoring of electric transmission line structures along 8.6 miles of the existing No. 400 electric transmission line within existing Eversource electric transmission line right-of-way between Ledyard Junction in Ledyard and Tunnel Substation in Preston; and the replacement and reconductoring of electric transmission line structures along approximately 4.9 miles of the existing No. 500 69-kV electric transmission line within existing Eversource electric transmission line right-of-way between Hallville Junction in Ledyard and Tunnel Substation in Preston Connecticut, and related electric transmission line and substation improvements.

Dear Ms. Bachman:

In accordance with Condition 3 of the Connecticut Siting Council's ("Council") approval of the above-referenced petition, dated May 13, 2022, please see the attached copy of the Section 401 Water Quality Certification ("WQC") from the State of Connecticut Department of Energy and Environmental Protection, dated January 23, 2023.

On December 30, 2022, the Connecticut Siting Council approved a request from Eversource to relocate a temporary construction matting access road and to install a temporary structure between Structures 7064 and 7064A to avoid working in the jurisdictional wetland area subject to the requirement for the WQC and to allow the project to be completed within the scheduled outage window, which, at that time, ended on February 7, 2023. Since then, Eversource was able to extend the outage window to February 27, 2023. Now that the WQC has been issued, Eversource will commence construction of the structure as originally approved and will not need to erect the temporary structure.

In order to complete the work within the new outage window, Eversource is requesting Siting Council staff review and approval for extended work hours of 7:00 a.m. to 7:00 p.m. for the above-

referenced project on Sunday, February 5, 2023. The additional extended hours are needed to drill the foundation for the new structure.

We have notified the Town of Ledyard of our intention to submit this request to the Council. We will continue to work with the Town and nearby residents to apprise them of the work and to resolve any potential conflicts or concerns.

Should you have any questions, please do not hesitate to contact me via e-mail deborah.denfeld@eversource.com or telephone at (860) 728-4654.

Sincerely,

A handwritten signature in cursive script that reads "Deborah Denfeld".

Deborah Denfeld

Team Lead – Transmission Siting

Attachment: Water Quality Certificate

Connecticut Department of Energy and Environmental Protection License*

Section 401 Water Quality Certification

Licensee(s):	The Connecticut Light and Power Company d/b/a Eversource Energy
Licensee Address(s):	107 Selden Street Berlin, CT 06037
License Number(s):	202203312-WQC
Municipality:	Ledyard
Project Description:	Replacement of two structures (7064 & 7064A) on the 400 and 500 Lines with a single steel monopole within a wetland. Conversion of a portion of an Atlantic White Cedar swamp to scrub-shrub vegetation is required to maintain transmission line safety and reliability. Mitigation of removed Atlantic White Cedars will involve non-commercial thinning to promote the reproduction and vigor of the species outside of the managed right of way as well as plantings of seedling Atlantic White Cedar to supplement natural regeneration.
Project Address/Location:	N41.47874 W72.03537
Waters:	Unnamed wetland (W15) adjacent to Joe Clark Brook
Authorizing CT Statute(s) and/or Federal Law:	Section 401 CWA (33 USC 1341)
Applicable Regulations of CT State Agencies:	22a-426-1 to 9
Agency Contact:	Land & Water Resources Division, Bureau of Water Protection & Land Reuse, 860-424-3019
License Expiration:	The Section 401 Water Quality Certification contained herein shall be valid until such time as the State of Connecticut Section 401 Water Quality Certification expires (December 15, 2026) or is modified, suspended, revoked, or reissued.

*Connecticut's Uniform Administrative Procedure Act defines License to include, "the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . ."

Project Site Plan Set: *400/500 Lines Rebuild Project, 401 Water Quality Certification Individual Permit Application, Environmental Resources Mapbook. Sheets 1-9 prepared by BSC Group for Eversource Energy, last revised March 16, 2022.*

License Enclosures: LWRD General Conditions; Site Plan Set; LWRD Work Commencement Form; LWRD Compliance Certification Form

Authorized Activities:

The Licensee is hereby authorized to conduct the following work as described in application # 202203312 and as depicted on any site plan sheets / sets cited herein:

1. Install erosion and sedimentation controls as shown on the enclosed site plans.
2. Place approximately 38,850 sqft of removable construction matting in wetlands and spanning Joe Clark Brook to access the work site.
3. Cut approximately 0.04 acres (approximately thirty-nine (39) individuals) of Atlantic White Cedar (*Chamaecyparis thyoides*) Swamp Special Wetland representing 18,690 sqft of secondary impacts via conversion of forested wetland to scrub shrub wetland as shown on the enclosed site plans.
4. Remove structures 7064 and 7064A, and replace with a new steel monopole structure #7064, in a new location as shown on the enclosed site plans.
5. Conduct 0.5 acres of Atlantic White Cedar stand enhancement within the core of the grove via non-commercial thinning (girdling and/or felling) of competing hardwood species per the enclosed site plan sheet titled “*400/500 Lines Rebuild Project, Atlantic White Cedar Mitigation.*”
6. Conduct 0.25 of Atlantic White Cedar stand expansion/creation on the north and south sides of the existing grove via artificial regeneration involving the planting of approximately 150 to 200 seedlings per the enclosed site plan sheet titled “*400/500 Lines Rebuild Project, Atlantic White Cedar Mitigation.*”
7. Remove construction matting.
8. Remove erosion and sedimentation controls once soils have been appropriately and adequately stabilized.

Failure to comply with the terms and conditions of this license shall subject the Licensee and / or the Licensee’s contractor(s) to enforcement actions and penalties as provided by law.

This license is subject to the following Terms and Conditions:

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.
2. Unless otherwise approved by the Commissioner in writing:


- a. Plantings shall occur in the early spring following the non-commercial thinning activity.
- b. All seedlings shall be bare-root stock, tubelings, or potted individuals sourced from a nursery that provides local genotype *Chamaecyparis thyoides* that are grown within +/- one (1) USDA Plant Hardiness Zone of the transplanting site, 6b to encourage climatic compatibility.
 - i. A minimum 50% of the seedlings planted shall be seed-grown.
 - ii. No cultivars shall be permitted.
- c. Eversource shall protect the seedlings from deer browse and buck rubbing in one of the following two ways:
 - i. Alternative 1: Eight (8) ft high polypropylene deer enclosure fencing shall be installed to industry standard around groups of the transplanted Atlantic White Cedar.
 1. The enclosures shall be inspected and maintained regularly to ensure they are providing proper protection from deer.
 2. The fencing shall be at least eight (8) ft tall, staked down or otherwise secured to prevent deer from entering, and marked with fluorescent flagging tape such that each flag is approximately one (1) ft long and spaced one to two (1-2) ft along the outside of the fence at approximately four (4) ft from the ground.
 3. The polypropylene fencing may be removed once BOTH of the following conditions has been met:
 - a. The transplanted Atlantic White Cedar have reached a height of at least ten (10) ft.
 - b. Wire mesh cages of at least four (4) ft in height and two (2) feet in diameter have been installed around each transplant's trunk, OR a qualified expert, approved in writing by DEEP NDDDB, determines the trees are no longer vulnerable to significant damage or mortality by buck rubbing or deer browse. The qualified expert's rationale for his/her determination shall be submitted to DEEP NDDDB for approval in writing, accompanied by representative photographs and trunk diameters breast height (4.5 ft). The Polypropylene fencing shall not be removed until the qualified expert's determination that the fencing can be safely removed has been approved by DEEP NDDDB.
 4. If wire cage enclosures have been installed, they may be removed once a qualified expert, approved in writing by DEEP NDDDB, determines that the transplants are no longer vulnerable to significant damage or mortality by buck rubbing or deer browse. The qualified expert's rationale for his/her determination shall be submitted to DEEP NDDDB for approval in writing, accompanied by representative photographs and trunk diameters at breast height (4.5 ft). The wire cage enclosures shall not be removed until the qualified expert's determination that they can be safely removed has been approved in writing by DEEP NDDDB.

- ii. Alternative 2: Galvanized Welded-Wire 2-inch mesh size cages a minimum of eight (8) ft high and minimum of four (4) ft in diameter shall be placed around the each individual transplanted Atlantic White Cedars.
 1. The wire cage enclosures shall be held in position by as many steel fence T-posts as necessary (at least 2) to prevent the cage from being moved by deer attempting to get at the young Atlantic White Cedar plants.
 2. The enclosures shall be inspected and maintained regularly to ensure they are providing proper protection from deer.
 3. The wire cage enclosures may be removed once both of the following conditions have been met:
 - a. The transplanted Atlantic White Cedar have reached a height of at least ten (10) ft.
 - b. A qualified expert, approved in writing by DEEP NDDDB, determines the trees are no longer vulnerable to significant damage or mortality by buck rubbing or deer browse and DEEP NDDDB concurs with that determination. Prior to the removal of the cages, Eversource shall submit to DEEP NDDDB for approval the qualified expert's rationale in writing for their determination that the plants are no longer vulnerable to significant damage or mortality by buck rubbing or deer browse. This document should include representative photographs and trunk diameters at breast height (4.5 ft). The cages shall not be removed until DEEP NDDDB has concurred with the qualified expert's determination that the wire enclosures may be safely removed.
- d. The Licensee or their authorized designee shall visit the Atlantic White Cedar grove at least once a year at the end of the growing season for five years following the issuance of this license to:
 - i. Assess and document the health and growth of both natural and transplanted Atlantic White Cedar regeneration.
 - ii. Hand-pull or cut invasive and non-native plant species as well as any other species (not including State-listed species) that pose a risk to the growth of the plantings.
 - iii. Document any potential further management efforts recommended for the site.
 - iv. The Licensee shall provide an annual report of maintenance work conducted and growth and health metrics documented by November 15th of each year for five years beginning in 2023 and ending in 2028. These reports shall be sent to DEEP LWRD to track the degree of success of the required mitigation efforts for the Atlantic White Cedar wetland.
- e. The Licensee shall provide opportunities for CT DEEP staff to conduct site visits of the enhancement and expansion/creation areas following routine vegetation management of the right-of-way in the years following the mandatory five-year reporting period.

- i. If DEEP representatives are unable to conduct a site visit during the period of time when Eversource or its designee are at the mitigation site for the purposes of routine right of way vegetation management, a report shall be sent to DEEP LWRD and DEEP NDDDB documenting number of surviving transplants, approximate tree height, diameter at breast height (4.5 ft) and general health of the stand, including the transplanted trees. Such report shall include written and photo documentation of the removal of the deer exclusionary fencing if such action is taken.

Issued under the authority of the Commissioner of Energy and Environmental Protection on:

January 23, 2023
Date


Tracy Babbidge
Acting Deputy Commissioner
Environmental Quality Branch



LWRD General Conditions

- 1. Land Record Filing (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to DEEP.LWRDRegulatory@ct.gov no later than sixty (60) days after license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
- 2. Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
- 3. Work Commencement¹.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to DEEP.LWRDRegulatory@ct.gov, on the Work Commencement Form attached hereto, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
 - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
 - For emergency activities authorized pursuant Connecticut General Statutes Section 22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.
- 4. For Coastal Licenses Only - License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
- 5. Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be

¹ The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.

- 6. Management of Materials.** Any materials removed from the site shall be managed in accordance with all federal, state, and local requirements, including Chapter 446K Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
- 7. Unconfined Instream Work.** Unless otherwise noted in a condition of the license, the following conditions apply to projects in non-coastal waters:

 - Unconfined instream work is limited to the period June 1 through September 30.
 - Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year. The removal of such confinement devices is allowed any time of the year.
 - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
 - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
- 8. For State Actions Only - Material or Equipment Storage in the Floodplain.** Unless approved by a Flood Management Exemption, the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited. Any other material or equipment stored at the site below said elevation by the Licensee or the Licensee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day. In accordance with the licensee’s Flood Contingency Plan, the Licensee shall remove equipment and materials from the floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state or local agency. It shall be the Licensee’s responsibility to obtain such warnings when flooding is anticipated.
- 9. Temporary Hydraulic Facilities for Water Handling.** If not reviewed and approved as a part of the license application, temporary hydraulic facilities shall be designed by a qualified professional and in accordance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, the *2004 Connecticut Stormwater Quality Manual*, or the *Department of Transportation’s ConnDOT Drainage Manual*, as applicable. Temporary hydraulic facilities may include channels, culverts or bridges which are required for haul roads, channel relocations, culvert installations, bridge construction, temporary roads, or detours.

- 10. Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and managed in a manner which prevents additional impacts to wetlands and watercourses.
- 11. Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, *2004 Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.
- 12. In-Water Work Vessel Staging and Storage. (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** For any barge, vessel, skiff or floating work platform (“work vessels”) utilized in the execution of the work authorized herein, the Licensee shall ensure that such work vessels:

 - do not rest on, or come in contact with, the substrate at any time, unless specifically authorized in the license.
 - are not stored over intertidal flats, submerged aquatic vegetation or tidal wetland vegetation or in a location that interferes with navigation. In the event any work vessel is grounded, no dragging or prop dredging shall occur to free it.
- 13. Work Site Restoration.** Upon completion of any authorized work, the Licensee shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.
- 14. Inspection.** The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.
- 15. Change of Use. (Applies only if a use is specified within the License “Project Description”)**

 - a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
 - b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.
- 16. De Minimis Alteration.** The Licensee shall not deviate from the authorized activity without

prior written approval from the Commissioner. The Licensee may request a de minimis change to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

17. Extension Request. The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to DEEP.LWRDRegulatory@ct.gov at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. The Commissioner may extend the expiration date of this license for a period of up to one year, in order for the Licensee to complete the authorized activities. It shall be at the Commissioner's sole discretion to grant or deny such request. No more than three (3) one-year extensions will be granted under this license.

18. Compliance Certification. Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to DEEP.LWRDRegulatory@ct.gov, the attached Compliance Certification Form. Such Compliance Certification shall be completed, signed, and sealed by the Licensee and a Connecticut Licensed Design Professional. If non-compliance is indicated on the form, or the Commissioner has reason to believe the activities and/or structures were conducted in non-compliance with the license, the Commissioner may require the Licensee to submit as-built plans as a condition of this license.

19. Maintenance. The Licensee shall maintain all authorized structures or work in optimal condition or shall remove such structures or facility and restore the affected waters to their pre-work condition. Any such maintenance or removal activity shall be conducted in accordance with applicable law and any additional approvals required by law.

20. No Work After License Expiration. Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.

21. License Transfer. The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee's obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.

22. Document Submission. Any document required to be submitted to the Commissioner under the license or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

DEEP.LWRDRegulatory@ct.gov or

Regulatory Section
Land & Water Resources Division
Department of Energy and Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127
860-424-3019

- 23. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in the license, the word “day” as used in the license means calendar day. Any document or action which is required by the license to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.
- 24. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: “I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense.”
- 25. Accuracy of Documentation.** In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee’s representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
- 26. Limits of Liability.** In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee’s application. Neither the Licensee’s representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
- 27. Reporting of Violations.** In the event that the Licensee becomes aware that they did not or may not comply, or did not or may not comply on time, with any provision of this license or of any document incorporated into the license, the Licensee shall immediately notify the

agency contact specified within the license and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the agency contact, the Licensee shall provide, for the agency's review and written approval, a report including the following information:

- a. the provision(s) of the license that has been violated;
- b. the date and time the violation(s) was first observed and by whom;
- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

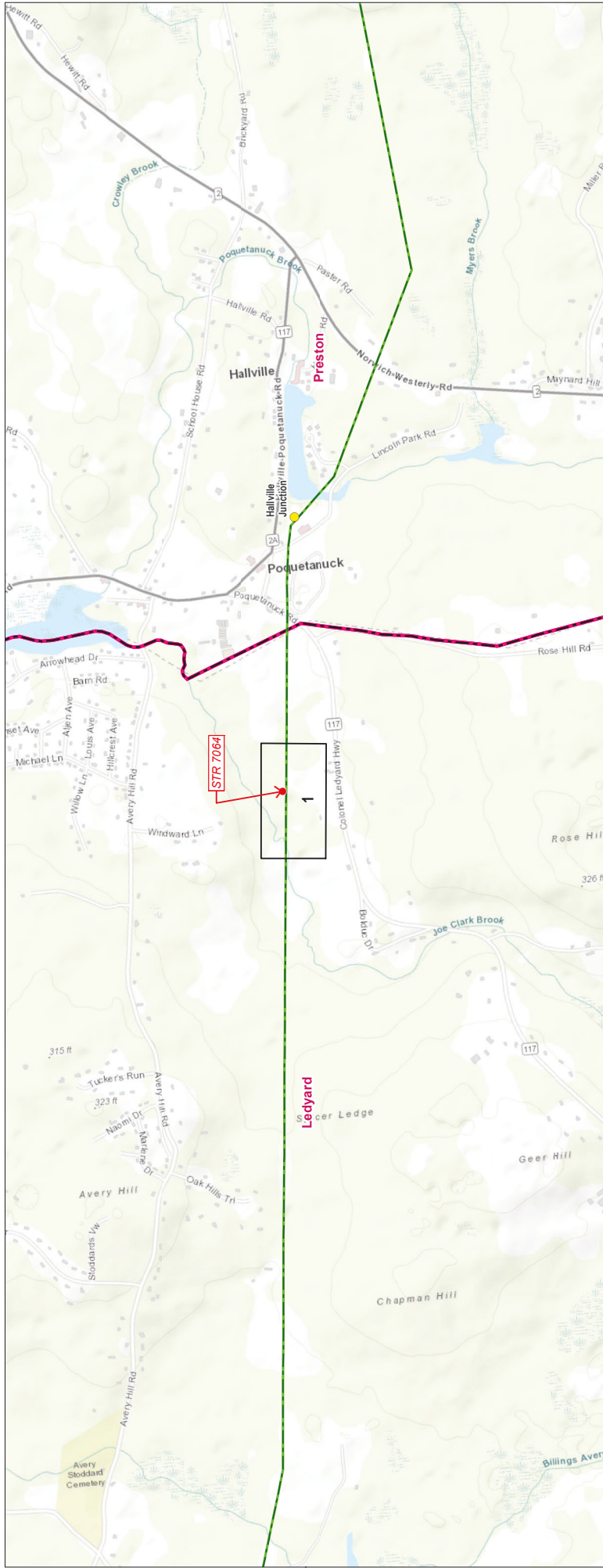
If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the Commissioner.

- 28. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.
- 29. Other Required Approvals.** License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.
- 30. Rights.** The license is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.
- 31. Condition Conflicts.** In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.

**400/500 Lines Rebuild Project
401 Water Quality Certification Individual Permit Application
Environmental Resources Mapbook**

Ledyard & Preston, CT

Date: March 16, 2022



- Legend**
- Proposed Structure
 - Junction
 - Substation
 - Map Sheet
 - Project Corridor



INDEX OF FIGURES
Title Sheet / Index Map
Map Tables & Map Sheet 1

PREPARED FOR:



107 Seiden Street
Berlin, CT 06037

PREPARED BY:



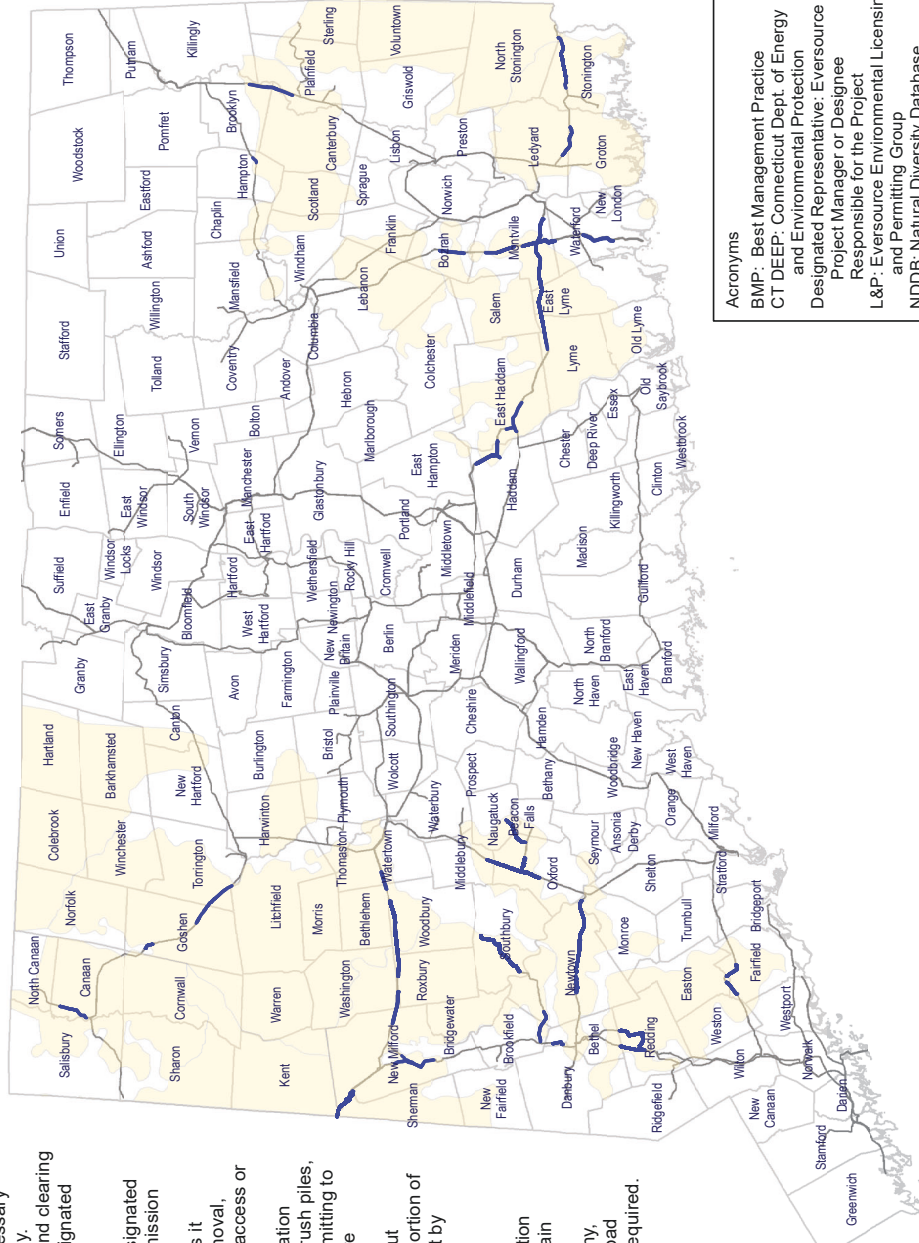
33 Waldo Street
Worcester, MA 01608

BMPs for NEC Focus Areas

- Contractors shall be educated on NECs, their habitat preferences, and vegetation to be removed vs. remain, annually or prior to beginning work in NEC area.
- Vegetation removal shall be limited to non-compatible species. Unless deemed necessary by the designated representative, all non-compatible vegetation shall be cut manually. Broad, non-selective mowing and the use of a feller-buncher or other mechanized land clearing equipment shall not be employed unless prior authorization is received from the designated representative.
- Use of targeted, foliar herbicide and manual cutting are favored over mowing.
- Unless suitable habitat is available elsewhere within the ROW, as verified by the designated representative, invasive shrubs that are designated as compatible species on transmission and distribution line corridors, e.g. multiflora rose, autumn olive, etc., may remain.
- Green briar shall remain within the ROW as it provides valuable, native cover; unless it hinders access to facilities or travel down the ROW. In these instances, minimal removal, as deemed necessary by the designated representative, shall be completed to gain access or allow travel
- In areas where clearing of shrubs in the managed ROW exceeds 50% of total vegetation cover, as determined by the designated representative, mitigation options such as brush piles, corridors and removal strategies shall be reviewed with Eversource Licensing & Permitting to minimize impact to NECs. Clearing extent shall be generally evaluated from Structure to Structure and not on an entire project basis.
- Where not in conflict with any other permits, policies, or commitments, a portion of cut woody debris shall be left within the ROW to provide cover/structure for NECs. The portion of material to remain shall be determined by the designated representative on a project by project basis.
- All wood chips shall be removed from the ROW unless otherwise approved by the designated representative.
- Where not in conflict with other permits, agreements or listed species BMPs, vegetation removal activities shall be minimized from December 1 to March 1 in order to maintain protective cover during the non-growing season.
- Stone work pad sizes shall be minimized to the extent practicable. Where topography, construction and safety permit, typical work pads shall consist of a 50' x 50' + stone pad surrounded by temporary construction matting as necessary if a larger work pad is required.
- Road width along straightaways should be minimized and not exceed 13 feet where possible. Road width can be widened at turns to accommodate equipment.
- Further assistance can be provided by Eversource Licensing & Permitting contact Michelle Ford (p. 860-665-3183; e. michelle.ford@eversource.com).

Additional BMPs for Key Habitat Areas

- When not in conflict with any other permits, policies, or commitments, new gravel roads and work pads that are to remain shall be seeded, post-construction, with an appropriate seed mix to re-establish herbaceous cover.
- Eversource's NEC contact, Michelle Ford, Eversource Licensing & Permitting, shall be contacted in advance of activities requiring extensive (>50%) vegetation removal, as determined by the designated representative.



Acronyms
 BMP: Best Management Practice
 CT DEEP: Connecticut Dept. of Energy and Environmental Protection
 Designated Representative: Eversource Project Manager or Designee
 Responsible for the Project
 L&P: Eversource Environmental Licensing and Permitting Group
 NDDB: Natural Diversity Database
 NEC: New England Cottontail
 ROW: Right-of-Way
 VM: Eversource Vegetation Management



Notes:
 1. Key habitat based on documented, 2020-2021 NEC locations and a 2km dispersal distance.

Legend
 2021 NEC Key Habitat Area - Transmission Line
 NEC Focus Area (2020)
 Town

Eversource New England Cottontail Best Management Practices



MAP SHEET 1

400/500 Lines Rebuild Project
Proposed Structure 7064
Town of Ledyard, Connecticut

AREA DESCRIPTION

- Existing Land Use & Resource Areas*
- Undeveloped, forest
 - Residential
 - Agricultural
 - 100-year Flood Zone
 - Atlantic White Cedar Swamp
 - Natural Diversity Database Area
 - New England Cottontail Focus Area

RIGHT-OF-WAY DESCRIPTION

- Existing Land Use & Resource Areas*
- Maintained ROW – 400/500 Line
 - Forested and Scrub-shrub Wetland
 - Natural Diversity Database Area
 - New England Cottontail Focus Area

Water Resources

- Wetlands – W15
- Wetland Cover Type: PSS, PFO
- Watercourses – S6

Wetland and Watercourse Crossings

- Wetland W15/Watercourse S6: Construction mats for work pads and access

Right-of-Way Vegetation

- Forest Wetland
- Scrub-Shrub Wetland
- Atlantic White Cedars

Access

- Structure 7064: Access from Colonel Ledyard Highway (Route 117)

Road Crossings

- Not Applicable

Existing Right-of-Way Width / Existing Maintained Right-of-Way Width

- 160 feet/125 feet

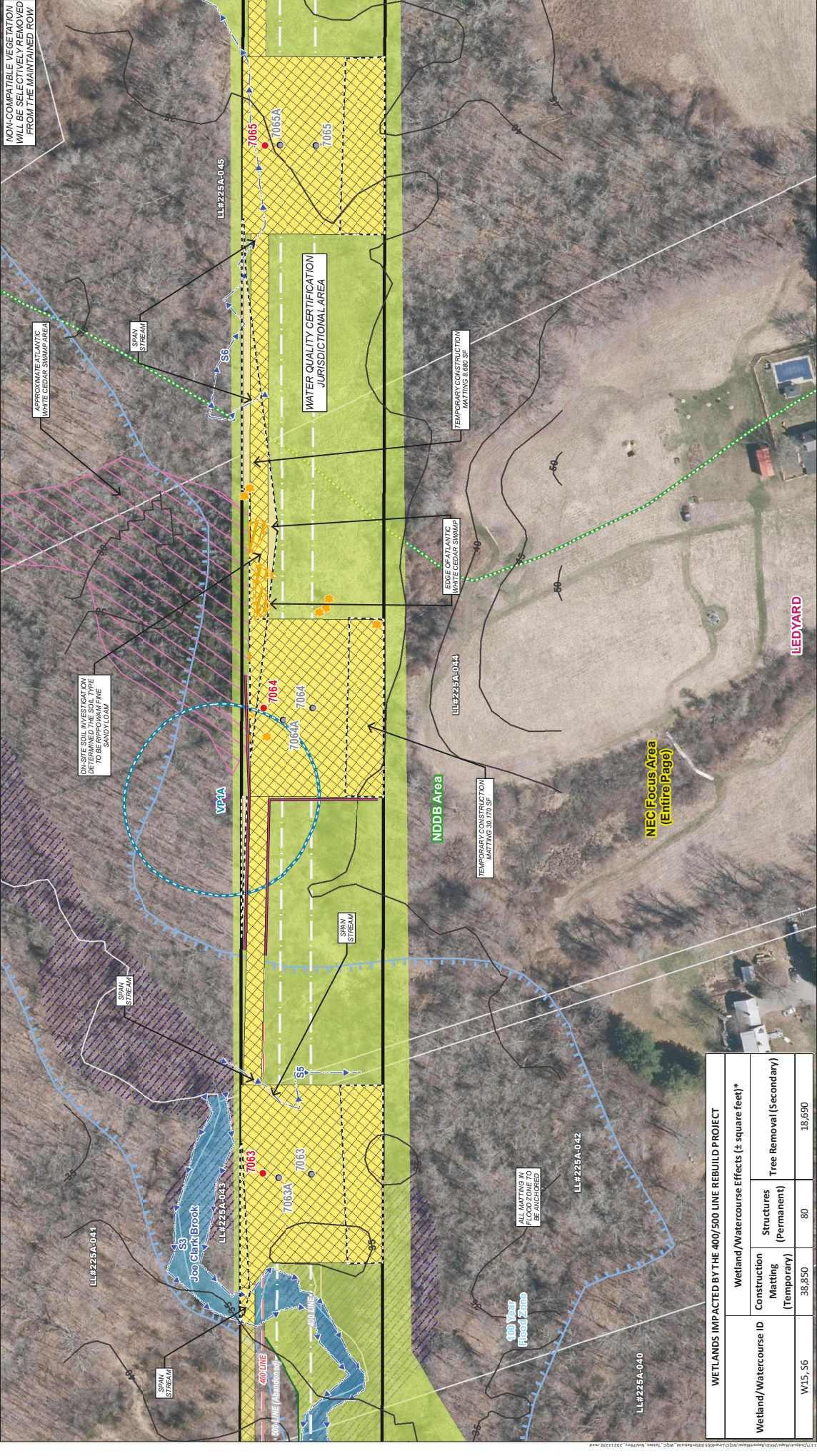
ABUTTERS TO THE PROJECT RIGHT-OF-WAY

LLN Number	Parcel Address	Town	Owner Name
225A-044	1055 COLONEL LEDYARD HIGHWAY	LEDYARD	JOHN D AND DEBORAH H VESSELS
225A-045	1069 COLONEL LEDYARD HIGHWAY	LEDYARD	CHARLES DAVID UWOGER TRUST, MICHAEL COLONESE TRUSTEE

Atlantic White Cedar Protection Measures and BMPs

1. A forester shall be onsite during tree work to ensure targeted and selective cutting of only those trees absolutely necessary.
2. No roots shall be removed for trees cut and shrub understory shall remain in place.
3. The ROW-wide requirement by engineering of a 35-foot clearing extent from the outside conductor has been reduced to 25-feet for the extent of AWC occupancy.
4. Pads in this area shall be prioritized to minimize their presence to extent practicable during the construction planning/phasing.
5. Matting for access and work pads (Structures 7064 to 7065) shall also be reduced by approximately 1/3 in size as the retired structures are removed. Remaining pad will be left in place to support new structure installation and wire pulling once segment of poles installed.
6. Vegetation management and all other construction-related equipment shall only be used on temporary construction matting.

NON-COMPATIBLE VEGETATION WILL BE SELECTIVELY REMOVED FROM THE MAINTAINED ROW



ON-SITE SOIL INVESTIGATION RECOMMENDED TO BE IN PRAIRIE/SANDY SOILS

APPROXIMATE ATLANTIC WHITE CEDAR SWAMP AREA

SPAN STREAM

VPA

EDGE OF ATLANTIC WHITE CEDAR SWAMP

TEMPORARY CONSTRUCTION MATTING 8.6/10 SF

SPAN STREAM

SPAN STREAM

SPAN STREAM

APPROXIMATE ATLANTIC WHITE CEDAR SWAMP AREA

SPAN STREAM

WATER QUALITY CERTIFICATION JURISDICTIONAL AREA

TEMPORARY CONSTRUCTION MATTING 8.6/10 SF

EDGE OF ATLANTIC WHITE CEDAR SWAMP

TEMPORARY CONSTRUCTION MATTING 8.6/10 SF

SPAN STREAM

SPAN STREAM

SPAN STREAM

ALL MATTING IN FLOOD ZONE TO BE ANCHORED

SPAN STREAM

100 Year Flood Zone

LL#225A-041

LL#225A-042

LL#225A-043

LL#225A-044

LL#225A-045

LL#225A-046

WETLANDS IMPACTED BY THE 400/500 LINE REBUILD PROJECT

Wetland/Watercourse ID	Wetland/Watercourse Effects (± square feet)*	Structures (Permanent)	Tree Removal (Secondary)
W15, S6	38,850	80	18,690

Wetland/Watercourse ID	Construction Matting (Temporary)	Tree Removal (Secondary)
W15, S6	38,850	18,690

INDEX MAP

THIS MAPPING PRODUCT HAS BEEN CREATED TO COMPLY WITH SUBMITAL REQUIREMENTS TO OBTAIN CERTAIN REGULATORY APPROVALS AND, AS SUCH, THERE IS NO RELIANCE ON THE INFORMATION CONTAINED HEREIN FOR ANY OTHER PURPOSE.

EVERSOURCE
400/500 Lines Rebuild Project
Environmental Resources Map

Leedyard, CT
Date: March, 2022

BSC GROUP

Legend

- Proposed Structure
- Proposed Structure to be Removed
- Existing Structure
- Proposed OH Line
- Existing OH Line
- Proposed OH Line to be Removed
- Existing OH Line to be Removed
- Proposed Access Road
- Existing Access Road
- Proposed Alternate Access Road
- Existing Alternate Access Road
- Access Road to be Approved
- Proposed Road
- Some Work Out
- Existing Road
- Temporary Construction Matting
- Dispersed Intermediate Watercourse
- Dispersed Drainage Basin
- Dispersed Lateral Pool/Pan
- Dispersed Perennial Watercourse
- Watercourse (not delineated)
- Open Water
- Field
- Dispersed Wetland Boundary
- Field Dispersed Wetland
- Approximate Wetland (not delineated)
- Dispersed Edge of Vernal Pool
- Dispersed Vernal Pool Extent
- 100% Vernal Pool Envelope
- FEMA Floodway
- FEMA 100-Year Flood Zone
- NE Central Focus Area
- Norwalk Diversity Database Area (Dec 2021)
- Special Wetland
- Green Reservoir System Public Watershed
- Eversource Owned Property
- Existing Right-of-Way (ROW)
- Line List Parcel
- Line List Label
- Sensitive Resource Area
- Municipal Boundaries
- Galls
- Convert
- Single Atlantic White Cedar Tree
- Traverse Control Barrier
- Turn Around Location
- Along Lot
- Control Line
- X-2 Fence
- High Trail
- Approximate Atlantic White Cedar Swamp Boundary
- Approximate Atlantic White Cedar Swamp Area
- Shrub
- Soil
- Tree/Vegetation Removal
- Guardrail
- Shoulder

Scale: 1 inch = 100 feet

NO.	DATE	REVISIONS

144
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LEDYARD

100 Year Flood Zone

400 LINE (Additional)

500 LINE

300 Clark Brook

SPAN STREAM

WATER QUALITY CERTIFICATION JURISDICTIONAL AREA

TEMPORARY CONSTRUCTION MATTING 8.6/10 SF

EDGE OF ATLANTIC WHITE CEDAR SWAMP

NDDB Area

NEC Focus Area (Entire Page)

LL#225A-041

LL#225A-042

LL#225A-043

LL#225A-044

LL#225A-045

LL#225A-046

GENERAL NOTES

1. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION CLEARING SHALL OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS. ROOTS SHALL NOT BE REMOVED AND NO GRADING OR GRUBBING SHALL OCCUR.
2. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BEST MANAGEMENT PRACTICES MANUAL FOR MASSACHUSETTS AND CONNECTICUT PREPARED BY TIGHE & BOND, SEPTEMBER 2016 AND THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL, UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
3. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION.
4. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES.
5. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
6. PROPERTY LINES AND EVERSOURCE ROW INFORMATION DEPICTED ON THE PLANS ARE APPROXIMATE. CONSTRUCTION SHALL BE CONFINED TO EVERSOURCE ROW AND PROPERTY UNLESS RIGHTS HAVE BEEN OBTAINED BY EVERSOURCE.

SOIL EROSION AND SEDIMENTATION CONTROL

EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT TO AVOID OR MINIMIZE THE POTENTIAL FOR SURFACE WATER RUNOFF, EROSION, AND SEDIMENTATION TO OCCUR OUTSIDE OF WORK LIMITS. THESE MEASURES WILL COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL ([HTTP://WWW.CT.GOV/DEEP/10/DEEP/WATER/INLAND/ES&S/ES&S/CHAPTER_13.PDF](http://www.ct.gov/deep/10/DEEP/WATER/INLAND/ES&S/ES&S/CHAPTER_13.PDF)), WITH EVERSOURCE'S BEST MANAGEMENT PRACTICES MANUAL FOR MASSACHUSETTS AND CONNECTICUT PREPARED BY TIGHE & BOND, SEPTEMBER 2016 ([HTTP://WWW.TRANSMISSION-NU.COM/STOMCON/CONTRACTORS/PDF/CT_BMP.PDF](http://www.transmission-nu.com/stomcon/contractors/pdf/ct_bmp.pdf)).

AS WELL AS APPLICABLE PERMIT CONDITIONS. THE FOLLOWING ARE OBJECTIVES OF THE E&S MEASURES:

- A. INSTALLING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
- B. PROTECTING WATER RESOURCE AREAS DURING CONSTRUCTION.
- C. MINIMIZING THE QUANTITY AND DURATION OF SOIL EXPOSURE (STABILIZE EXPOSED SOILS IMMEDIATELY UPON COMPLETION OF GRADING OR STOCKPILING).
- D. INSPECTING THE WORK AREAS AND MAINTAINING EROSION AND SEDIMENT CONTROLS AS NECESSARY UNTIL FINAL STABILIZATION AND INSPECTION ARE ACHIEVED.

THE APPLICATION OF THE TECHNIQUES IN THE FIELD WILL BE DETERMINED BY THE CONTRACTOR FIELD CONSTRUCTION PERSONNEL AND WILL DEPEND ON SITE-SPECIFIC CONDITIONS. FACTORS THAT MAY BE CONSIDERED IN THE SELECTION OF EROSION AND SEDIMENT CONTROLS FOR SITE-SPECIFIC AREAS MAY INCLUDE:

- A. SIZE OF THE AREA AFFECTED.
- B. TYPE OF PROPOSED CONSTRUCTION ACTIVITIES.
- C. TYPE AND TEXTURE OF SOIL.
- D. AMOUNT OF ROCK PRESENT.
- E. STEEPNESS AND LENGTH OF SLOPE.
- F. AMOUNT AND TYPE OF VEGETATIVE COVER.
- G. PROXIMITY AND DIRECTION TO WATERCOURSES OR WETLANDS.
- H. ANTICIPATED WEATHER CONDITIONS AND GROUND CONDITIONS.

EROSION AND SEDIMENTATION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CT DEEP BULLETIN NO. 34, AND ALL AMENDMENTS AND ADDENDA THERETO AS PUBLISHED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.
2. LAND DISTURBANCE SHALL BE KEPT TO THE MINIMUM NECESSARY FOR CONSTRUCTION OPERATIONS.
3. INSTALL ALL CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT TO RESOURCE AREAS. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY IF IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
4. INSPECT AND MAINTAIN CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS SHALL BE CONDUCTED IN ACCORDANCE WITH THE STORMWATER POLLUTION CONTROL PLAN AND THE GENERAL PERMIT.
5. SEDIMENT REMOVED SHALL BE PROPERLY DISPOSED OF IN AN APPROPRIATE UPLAND AREA WITHIN THE DEFINED LIMITS OF DISTURBANCE.
6. STOCKPILING OF EXCESS SOIL GENERATED AS A RESULT OF STRUCTURE FOUNDATION INSTALLATION WORK WITHIN WETLANDS IS PROHIBITED, EXCEPT THAT SOILS OR OTHER EXCAVATED MATERIAL MAY BE TEMPORARILY STOCKPILED AND CONTAINED ON THE WORK PAD LOCATED WITHIN A WETLAND PRIOR TO TRANSPORT TO AN UPLAND AREA. TEMPORARILY STOCKPILED IS DEFINED TO AT SUCH TIME WHEN THE STRUCTURE IS IN PLACE.
7. EXCESS SOIL GENERATED AS A RESULT OF STRUCTURE FOUNDATION INSTALLATION WORK CAN BE SPREAD IN AN APPROPRIATE UPLAND AREA WITHIN THE DEFINED LIMITS OF DISTURBANCE AS TO NOT CAUSE ANY FUTURE STORMWATER CONCERNS.
8. IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, STABILIZATION OF OPEN SOIL SURFACES WILL BE IMPLEMENTED WITHIN 7 DAYS AFTER GRADING OR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, UNLESS WEATHER PROHIBITS SEED GERMINATION.
9. WHERE NECESSARY, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS SUITABLE TOPSOIL, SEEDBED PREPARATION, AND WATER SHALL BE PROVIDED FOR EFFECTIVE ESTABLISHMENT OF VEGETATIVE COVER.
10. THE CONSTRUCTION CONTRACTOR SHALL KEEP ALL PAVED ROADWAYS CLEAN.
11. INSPECT AND MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROLS UNTIL RESTORATION HAS BEEN DETERMINED TO BE EFFECTIVE AS DEFINED BY CONFORMANCE TO THE CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
12. PERIMETER CONTROLS SHALL BE EVALUATED IN THE FIELD TO DETERMINE THE NEED FOR ADDITIONAL POTENTIAL J-HOOK, CROSS-CHECKS, HAY BALES, ETC. IN GENERAL, FOR EXISTING SLOPES GREATER THAN 10% GRADE, HAY BALES CHECKS SHALL BE PLACED ALONG SILT FENCE EVERY 100 FEET (MIN.).
13. PLASTIC NETTING WHICH MAY BE FOUND IN A VARIETY OF EROSION CONTROL PRODUCTS (E.G. EROSION CONTROL BLANKETS, STRAW WATTLES, AND REINFORCED SILT FENCE), WILL NOT BE USED.

WETLAND AVOIDANCE AND MINIMIZATION MEASURES

- A. COMPLY WITH RELEVANT PORTIONS OF EVERSOURCE'S BEST MANAGEMENT PRACTICES MANUAL FOR MASSACHUSETTS AND CONNECTICUT PREPARED BY TIGHE & BOND, SEPTEMBER 2016.
- B. COMPLY WITH THE CONDITIONS OF THE COUNCIL'S CERTIFICATE AND FEDERAL AND STATE PERMITS RELATED TO WETLANDS, INCLUDING THE IMPLEMENTATION OF WETLAND INVASIVE SPECIES CONTROL MEASURES DURING CONSTRUCTION. REFER TO WETLAND INVASIVE SPECIES CONTROL BMP.
- C. INSTALL TEMPORARY TIMBER MATS (OR EQUIVALENT) TO MINIMIZE RUTTING DURING VEGETATION REMOVAL ACTIVITIES IN WETLANDS.

D. INSTALL EROSION AND SEDIMENTATION CONTROLS AROUND WORK SITES IN OR NEAR WETLANDS TO DEFINE THE LIMITS OF CONSTRUCTION ACTIVITY AND TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION. NO CONSTRUCTION ACTIVITIES WILL BE ALLOWED IN WETLANDS OUTSIDE OF THE WORK LIMITS DEFINED BY THE EROSION AND SEDIMENTATION CONTROLS.

E. INSPECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL THROUGHOUT CONSTRUCTION. SEDIMENT THAT ACCUMULATES BEHIND THESE CONTROLS WILL PERIODICALLY BE REMOVED AND PLACED IN UPLAND AREAS, IN A MANNER THAT WILL PRECLUDE THE POTENTIAL FOR SUBSEQUENT DEPOSITION INTO WATERCOURSES OR OTHER WATERS OF THE U.S., OR WILL OTHERWISE BE DISPOSED OF OFF-SITE.

F. INSTALL TEMPORARY CONSTRUCTION MATTING (TIMBER MATS OR EQUIVALENT) FOR ACCESS ROADS ACROSS WETLANDS OR TO ESTABLISH SAFE AND STABLE CONSTRUCTION WORK AREAS (WORK PADS WITHIN WETLANDS), WHERE NECESSARY.

G. AVOID OR MINIMIZE ACCESS THROUGH WETLANDS, WHERE POSSIBLE. WHERE ACCESS ROADS MUST BE IMPROVED OR DEVELOPED, THE ROADS WILL BE DESIGNED, WHERE PRACTICAL, SO AS NOT TO INTERFERE WITH SURFACE WATER FLOW OR THE WETLAND FUNCTIONS.

H. IMPLEMENT PROCEDURES TO AVOID OR MINIMIZE THE POTENTIAL FOR SPILLS INTO WETLANDS (REFER TO THE PROJECT SPILL AND PREVENTION CONTROL PLAN). NO FUEL WILL BE STORED OR EQUIPMENT REFUELED WITHIN 25 FEET OF ANY WETLAND, EXCEPT UNDER THE FOLLOWING CIRCUMSTANCE: EQUIPMENT THAT IS NOT READILY MOBILE OR MUST REMAIN ON-SITE FOR PROLONGED PERIODS TO SAFELY COMPLETE A CONSTRUCTION TASK (E.G., DRILLING RIGS OR CRANES FOR STRUCTURE INSTALLATION) MAY BE REFUELED IN WETLANDS PROVIDING PROPER TEMPORARY SPILL PREVENTION, CONTROL, AND CONTAINMENT PROCEDURES ARE FOLLOWED.

I. PROHIBIT VEHICLES OR EQUIPMENT FROM BEING PARKED OVERNIGHT ON ACCESS ROADS OR WORK PADS IN WETLANDS, EXCEPT FOR EQUIPMENT THAT CANNOT BE PRACTICALLY MOVED, SUCH AS CRANES OR DRILL RIGS.


J. PROHIBIT MIXING, TESTING, STORAGE, OR DISPOSAL OF CONCRETE (USED FOR SOME STRUCTURE FOUNDATIONS) WITHIN 25 FEET OF WETLANDS.

K. PROHIBIT STOCKPILING OF EXCESS SOIL GENERATED AS A RESULT OF STRUCTURE FOUNDATION INSTALLATION WORK WITHIN WETLANDS, EXCEPT THAT SOILS OR OTHER EXCAVATED MATERIAL MAY BE TEMPORARILY STOCKPILED AND CONTAINED ON THE WORK PAD LOCATED WITHIN A WETLAND PRIOR TO TRANSPORT OFF-SITE. EXCESS SOIL WILL BE REMOVED FROM WETLAND WORK AREAS AND SPREAD IN UPLAND AREAS.

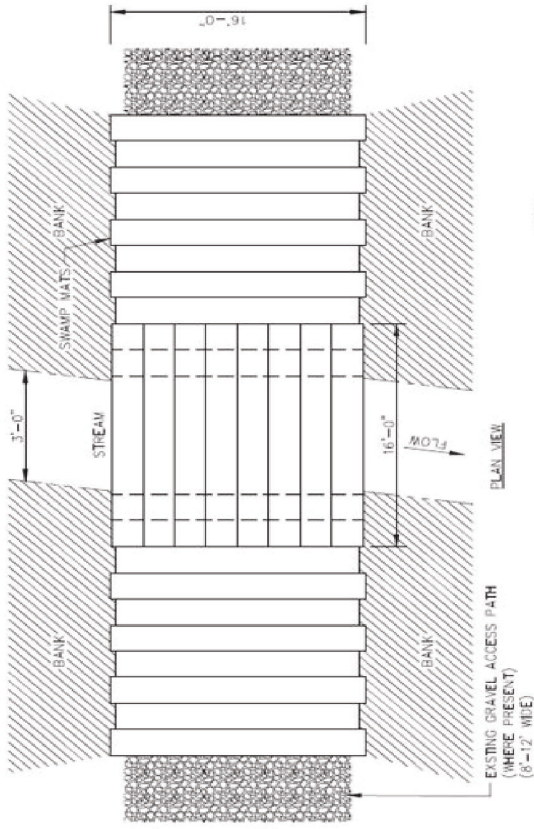
L. REMOVE FOLLOWING THE COMPLETION OF TRANSMISSION LINE WORK, ALL GEOTEXTILE FABRIC, AND TIMBER MATS USED FOR WORK PADS AND TEMPORARY ACCESS ROADS.

M. RESTORE WETLANDS AFTER TRANSMISSION FACILITY CONSTRUCTION TO PRE-CONSTRUCTION CONFIGURATIONS AND CONTOURS TO THE EXTENT PRACTICABLE AND REVEGETATE WITH ANNUAL RYEGRASS, AN APPROPRIATE WETLAND SEED MIX, OR EQUIVALENT.

N. INSPECT AND MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROLS UNTIL RESTORATION HAS BEEN DETERMINED TO BE EFFECTIVE AS DEFINED BY CONFORMANCE TO THE CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

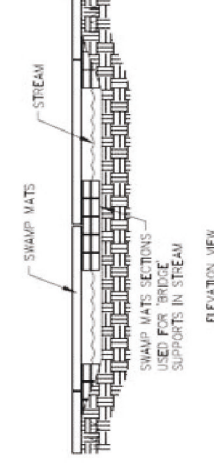
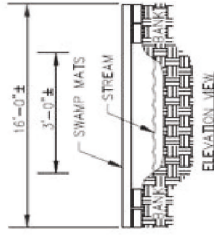
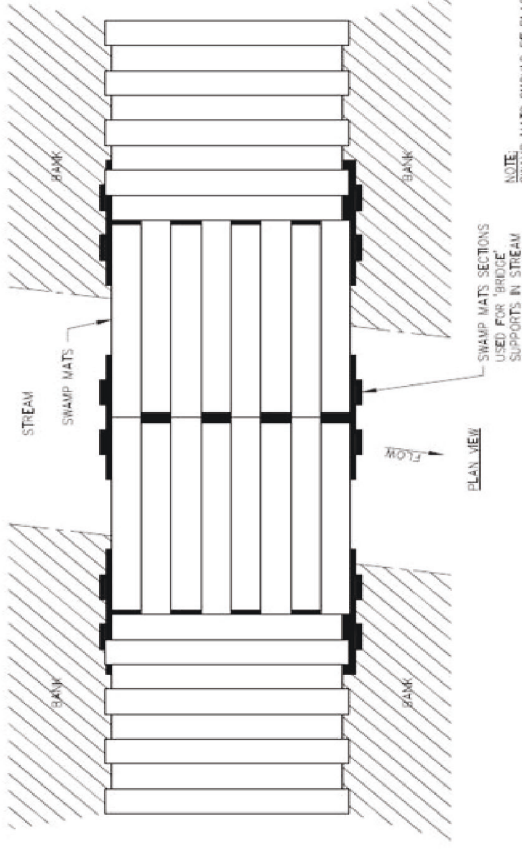
EVERSOURCE	
401600 Lines Rebuild Project Water Quality Control Plan	
GENERAL AND EROSION AND SEDIMENTATION CONTROL NOTES	
NO. DATE	REVISIONS
Detail Sheet 01 of 05	Date: March, 2022
	

STREAM CROSSING TYPICAL DETAILS



NOTES:

1. SWAMP MATS SHOULD BE PLACED CLOSELY TOGETHER SO THERE ARE NO GAPS BETWEEN EACH MAT SECTION.
2. ADDITIONAL MEASURES MAY BE REQUIRED.
3. SWAMP MAT DIMENSIONS OF 12'x4'x6", 16'x4'x8" OR OTHER TO BE USED.

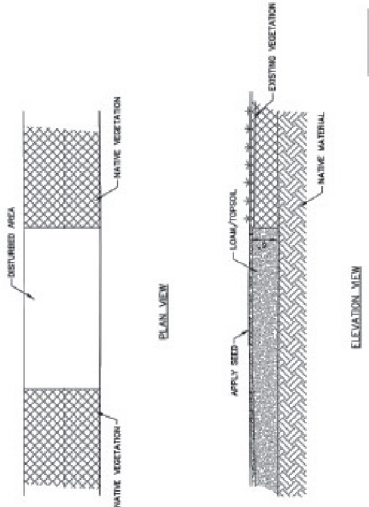


SWAMP AT BRIDGE FOR TEMPORARY STREAM CROSSING

SCALE : NTS

EVERSOURCE 401600 Lines Rebuild Project Water Quality Control Plan	
STREAM CROSSING TYPICAL DETAILS	
Detail Sheet 03 of 05	REVISIONS
Date: March, 2022	NO. DATE
BSC GROUP	

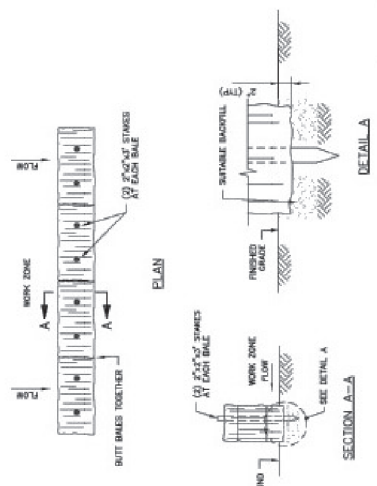
EROSION AND SEDIMENTATION CONTROL TYPICAL DETAILS



NOTE:
1. SEED MIX APPLICATION IS ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

LOAMING AND SEEDING

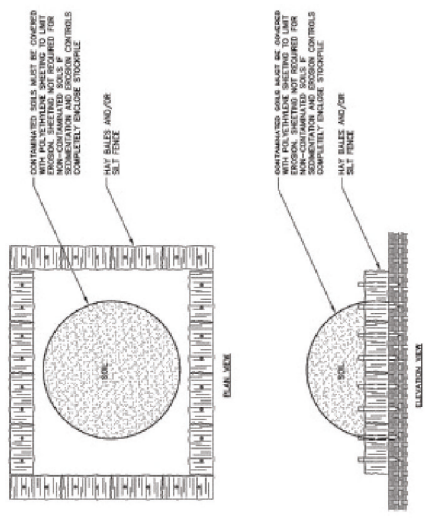
SCALE: 1/8" = 1'-0"



NOTE:
1. STRAW BALES MAY BE SUBSTITUTED FOR HAY BALES.

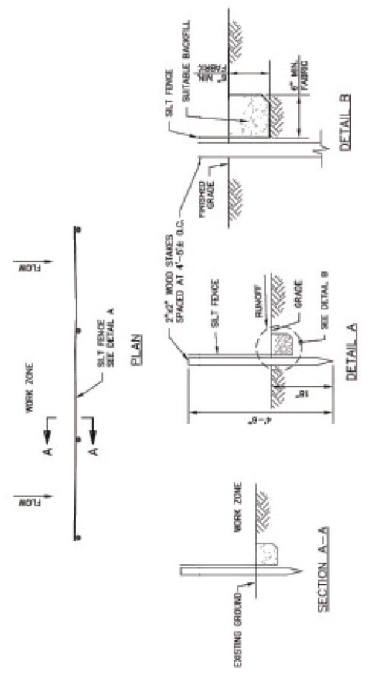
HAY BALES USAGE

SCALE: 1/8" = 1'-0"



SOIL STOCKPILE MANAGEMENT

SCALE: 1/8" = 1'-0"



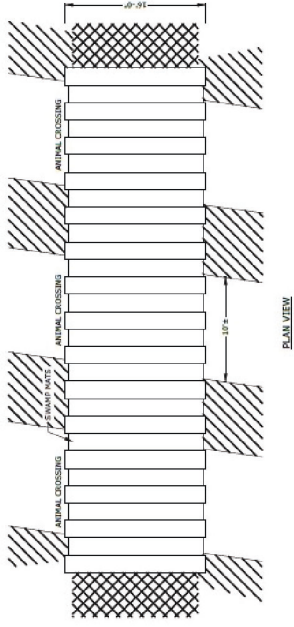
SILT FENCE USAGE

SCALE: 1/8" = 1'-0"

NOTE:
1. PERMIT CONTROLS SHALL BE EVALUATED IN THE FIELD TO DETERMINE THE NEED FOR ADDITIONAL PERFORATED HOOD CROSS-CHECKS, HAY BALES, ETC., IN GENERAL, FOR DOWNSLOPE DRAINAGE. PERFORATED HOOD CROSS-CHECKS SHALL BE PLACED ALONG SILT FENCE EVERY 100 FEET (MIN).

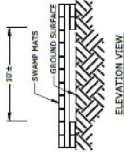
	EVERSOURCE 400/600 Lines Rebuild Project Water Quality Control Plan
	EROSION AND SEDIMENTATION CONTROL TYPICAL DETAILS
NO. DATE	REVISIONS
	Detail Sheet 04 of 05 Date: March, 2022

EROSION AND SEDIMENTATION CONTROL TYPICAL DETAILS



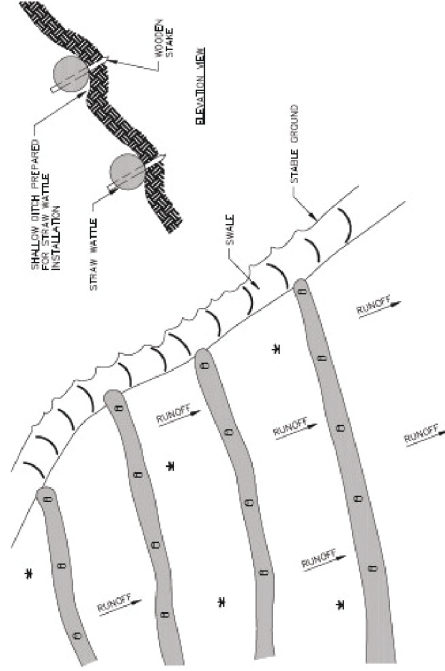
NOTES

1. SWAMP MATS SHOULD BE PLACED CLOSELY TOGETHER SO THERE ARE NO GAPS BETWEEN EACH MAT SECTION.
2. ADDITIONAL REINFORCING MAY BE REQUIRED.
3. SWAMP MAT DIMENSIONS OF 12'x16'x4" FORWAF OR OTHER TO BE USED.



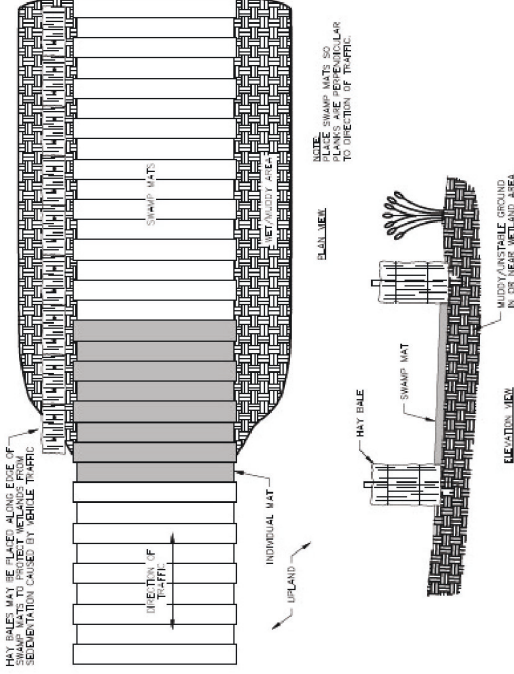
ELEVATED ANIMAL CROSSING

SCALE : NTS



STRAW WATTLE

SCALE : NTS



SWAMP MAT

SCALE : NTS

				EVERSOURCE	
				4001600 Lines Rebuild Project Water Quality Control Plan	
				EROSION AND SEDIMENTATION CONTROL TYPICAL DETAILS	
NO.	DATE	REVISIONS		Detail Sheet 05 of 05 Date: March, 2022	BSC GROUP



LWRD Work Commencement Form

To: DEEP.LWRDRegulatory@ct.gov or
Regulatory Section
Department of Energy and Environmental Protection
Land & Water Resources Division
79 Elm Street
Hartford, CT 06106-5127

Licensee Name: The Connecticut Light and Power Company d/b/a Eversource Energy

Municipality in which the project is occurring: Ledyard

DEEP License No(s): 202203312-WQC

CONTRACTOR(s):

1 Name: _____
Address: _____
Telephone: _____
E-mail: _____

2 Name: _____
Address: _____
Telephone: _____
E-mail: _____

3 Name: _____
Address: _____
Telephone: _____
E-mail: _____

Date Contractor(s) received a copy
of the license and approved plans: _____

EXPECTED DATE OF COMMENCEMENT OF WORK: _____

EXPECTED DATE OF COMPLETION OF WORK: _____

LICENSEE: _____
(Signature) (Date)



Compliance Certification Form

The following certification must be signed by the licensee working in consultation with a Connecticut-licensed design professional and must be submitted to the address indicated at the end of this form within ninety (90) days of completion of the authorized work.

1. Licensee Name: <u>The Connecticut Light and Power Company d/b/a Eversource Energy</u>	
DEEP License Number(s): <u>202203312-WQC</u>	
Municipality in which project is occurring: <u>Ledyard</u>	
2. Check one:	
(a) <input type="checkbox"/> "I certify that the final site conditions and / or structures are in general conformance with the approved site plans". Identify and describe any deviations and attach to this form.	
(b) <input type="checkbox"/> "The final site conditions and / or structures are not in general conformance with the approved site plans. The enclosed "as-built" plans note the modifications".	
3. "I understand that any false statement in this certification is punishable as a criminal offence under section 53a-157b of the General Statutes and under any other applicable law."	
_____ Signature of Licensee	_____ Date
_____ Name of Licensee (print or type)	
_____ Signature of CT-Licensed Design Professional	_____ Date
_____ Name of CT-Licensed Design Professional (print or type)	
_____ Professional License Number (if applicable)	Affix Stamp Here
<ul style="list-style-type: none"> As-built plans shall include: elevations or tidal datums, as applicable, and structures, including any proposed elevation views and cross sections included in the approved license plans. Such as-built plans shall be the original ones and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut. The Licensee will be notified by staff of the Land and Water Resources Division (LWRD) if further compliance review is necessary. Lack of response by LWRD staff does not imply compliance. 	
<p>Submit this completed form to : DEEP.LWRDRegulatory@ct.gov or Regulatory Section Department of Energy and Environmental Protection Land & Water Resources Division 79 Elm Street Hartford, CT 06106-5127</p>	