



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

Web Site: [portal.ct.gov/csc](http://portal.ct.gov/csc)

### VIA ELECTRONIC MAIL

October 19, 2023

Deborah Denfeld  
Team Lead – Transmission Siting  
Eversource Energy  
P.O. Box 270  
Hartford, CT 06141  
[deborah.denfeld@eversource.com](mailto:deborah.denfeld@eversource.com)

RE: **PETITION NO. 1577** - The Connecticut Light and Power Company d/b/a Eversource Energy Declaratory Ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed Frost Bridge to Noera Rebuild Project consisting of the replacement and reconductoring of electric transmission line structures along approximately 5 miles of its existing electric transmission line right-of-way shared by its existing 115-kilovolt (kV) 1163 and 1550 Lines between Frost Bridge Substation in Watertown to Noera Substation in Waterbury, traversing the municipalities of Watertown, Thomaston, Plymouth and Waterbury, Connecticut, and related electric transmission line and substation improvements. **Compliance with Condition Nos. 2, 3, 4, 5, 6 and 8.**

Dear Deborah Denfeld:

The Connecticut Siting Council (Council) is in receipt of your correspondence dated October 16, 2023 regarding compliance with Condition Nos. 2, 3, 4, 5, 6 and 8 of the Declaratory Ruling issued by the Council on September 1, 2023 for the above-referenced project. The correspondence includes identification of a staging area at 529 Burlington Road in Harwinton and provisions for erosion and sedimentation controls; the Department of Energy and Environmental Protection (DEEP) Stormwater Permit; the DEEP Land Management Division Special Use License for off-ROW access; the DEEP Natural Diversity Data Base Determination; Federal Aviation Administration obstruction evaluation between Structures 6/6A and 7/7A with marking/lighting plans; and a Vernal Pool Protection Plan (VPPP), in accordance with Condition Nos. 2, 3, 4, 5, 6 and 8, respectively.

Therefore, the Council acknowledges that Condition Nos. 2, 3, 4, 5, 6 and 8 have been satisfied **with the condition that a revised VPPP identifying the correct Project location be submitted**. This acknowledgment applies only to the conditions satisfied by the October 16, 2023 correspondence.

Please be advised that deviations from the standards established by the Council in the Declaratory Ruling are enforceable under the provisions of Connecticut General Statutes §16-50u.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman  
Executive Director

MB/MP

c: Kathleen Shanley, Manager – Transmission Siting, Eversource Energy  
([Kathleen.shanley@eversource.com](mailto:Kathleen.shanley@eversource.com))  
Service List dated June 1, 2023



56 Prospect Street  
P.O. Box 270  
Hartford, CT 06103

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

October 16, 2023

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

**Re: PETITION NO. 1577** – 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 Frost Bridge to Noera Rebuild Project consisting of the replacement and reconductoring of electric transmission line structures along approximately 5 miles of its existing electric transmission line right-of-way shared by its existing 115-kilovolt (kV) 1163 and 1550 Lines between Frost Bridge Substation in Watertown to Noera Substation in Waterbury, traversing the municipalities of Watertown, Thomaston, Plymouth and Waterbury, Connecticut, and related electric transmission line and substation improvements.

Dear Attorney Bachman:

In accordance with Conditions of the Connecticut Siting Council's ("Council") favorable ruling with regards to the above referenced petition, dated September 1, 2023 (the "Approval") The Connecticut Light and Power Company doing business as Eversource Energy submits the following information pursuant to Conditions 2, 3, 4, 5, 6 and 8 of the Council's ruling:

- Per Condition 2: Eversource will be utilizing approximately seven acres of an approximately 15-acre parcel located at 529 Burlington Road (State Route 4) in Harwinton, CT as a staging area. The location has been used as a staging area on past Eversource transmission projects and we will remain compliant with the existing E&S controls.
- Per Condition 3: a copy of the Connecticut Department of Energy and Environmental Protection ("CT DEEP") Storm Water permit. (Refer to Attachment A)
- Per Condition 4: a copy of the CT DEEP Land Management Division Special Use License ("SUL"), (Refer to Attachment B)
- Per Condition 5: a copy of the CT DEEP Natural Diversity Database ("NDDDB") determination letter. (Refer to Attachment C)
- Per Condition 6: a copy of the Federal Aviation Administration's ("FAA") obstruction evaluations for structures and spans between Structures 6/6A and 7/7A and marking/lighting plans. (Refer to Attachment D)
- Per Condition 8: a copy of the Vernal Pool Protection Plan. (Refer to Attachment E)

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

Sincerely,

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

Deborah Denfeld  
Team Lead – Transmission Siting  
[deborah.denfeld@eversource.com](mailto:deborah.denfeld@eversource.com)

### **List of Attachments**

Attachment A: CT DEEP Storm Water Permit  
Attachment B: CT DEEP Special Use License  
Attachment C: CT DEEP NDDDB Determination  
Attachment D: FAA Obstruction Evaluation  
Attachment E: Vernal Pool Protection Plan

**ATTACHMENT A**  
**DEEP STORM WATER PERMIT**



## **Bureau of Materials Management and Compliance Assurance**

### **Notice of Permit Authorization**

September, 27 2023

Jeffrey Bolton  
EVERSOURCE ENERGY SERVICE COMPANY  
107 SELDEN ST.  
BERLIN, CT 06037-1616

Subject: General Permit Registration for the Discharge of Stormwater and Dewatering  
Wastewaters from Construction Activities  
Application NO.: 202305466

Jeffrey Bolton:

The Department of Energy and Environmental Protection, Water Permitting and Enforcement Division of the Bureau of Materials Management and Compliance Assurance, has completed the review of the 1163-1550 line structure replacement (located at 58 Noera St, Waterbury) registration for the **General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 12/31/2020, modified 11/25/2022 (general permit)** . The project is compliant with the requirements of the general permit and the discharge(s) associated with this project is (are) authorized to commence as of the date of this letter. Permit No. GSN003979 has been assigned to authorize the stormwater discharge(s) from this project.

Questions can be emailed to [deep.stormwater@ct.gov](mailto:deep.stormwater@ct.gov).

**ATTACHMENT B**  
**DEEP SPECIAL USE LICENSE**



# Special Use License

State of Connecticut  
Department of Energy &  
Environmental Protection

Under the authority of Connecticut General Statutes sections 22a-6(a)(2) and 23-11 this License is hereby granted by the Department of Energy and Environmental Protection under the following terms and conditions to:

<b>LICENSEE</b>	<b>Eversource Energy</b>		
<b>For The Purpose Of</b>	<p>Temporary access via off-ROW access on three DEEP-owned gravel roads in Mattatuck State Forest, two (2) off of Spruce Brook Road and one (1) off of Sheffield Street in Thomaston, vegetation management and, where necessary, improvements to said roads; all to complete the replacement of 17 structures along the 1550/1163 Line within Mattatuck State Forest.</p> <p>Off-ROW access is shown on Map Sheets 1, 2 and 3 titled Frost Bridge to Noera Rebuild Project, dated June 13, 2023, and attached as Exhibit A</p>	Contact Person:	Kim Bianchi T&D Rights and Survey, Eversource Energy
		Mailing Address:	Eversource Energy 107 Selden Street Berlin, CT 06037
		Contact Information:	<a href="mailto:kimberly.bianchi@eversource.com">kimberly.bianchi@eversource.com</a> (203) 671-8263
<b>On:</b>	<b>From Execution by Licensor to 8/1/24</b>		
<b>Activity Hours:</b>	<b>Between 7am and 5pm Monday-Saturday</b>		
<b>License Fee:</b>	<b>N/A</b>		



<b>DEEP Distribution:</b> FILE: A-2023-06		<b>LICENSEE: Eversource Energy</b> <small>DocuSigned by:</small>
<b>LAND:</b>	Lindsay Suhr Cameron Clegg	Issued By: <u>Shawn A. Southworth</u> Date: <u>9/13/2023</u> <small>5B4091F56C1946A...</small>
<b>FORESTRY:</b>	Jill Humphreys	
<b>WILDLIFE:</b>	Teresa Clark	Shawn A. Southworth, Manager, Right-of-Way, Eversource Energy
		<b>LICENSOR: Department of Energy and Environmental Protection (DEEP)</b> <small>DocuSigned by:</small>
		Issued By: <u>Mason Trumble</u> Date: <u>9/30/2023</u> <small>966E4F33202F42E...</small>
		Mason Trumble, Deputy Commissioner Bureaus of Natural Resources & Outdoor Recreation

### TERMS AND CONDITIONS

- **SPECIAL CONDITIONS:** The LICENSEE:
  - Shall seek and obtain any and all necessary Federal, State and local permits and approvals, including those from the LICENSOR, and shall abide by all such permit and approval conditions.
  - Shall follow all best management recommendations for minimizing impacts to water quality while harvesting forest products.
  - Shall thoroughly clean any construction vehicles and equipment that comes on site before entering to reduce the spread of contaminated soil and invasive species.
  - Shall apply one application of a DEEP approved herbicide on any invasive plants that come up along all access roads and work areas associated with the project "1550/1163 Line Conductor, OPGW, and Lattice Tower Rebuild" on State property the growing season after construction commences. Timing of the herbicide treatment will be determined after construction is complete. LICENSEE can coordinate access and timing for herbicide treatment with State Forester, Jill Humphreys at [Jill.Humphreys@ct.gov](mailto:Jill.Humphreys@ct.gov), LICENSEE can coordinate herbicide approval with DEEP's plant biologist, William Moorhead. He can be contacted at [William.moorhead@ct.gov](mailto:William.moorhead@ct.gov).
  - Shall notify State Forester, Jill Humphreys before the first entry and work begins at this location.
  - Saleable logs over six (6) inches in diameter shall be stockpiled along the access road west of Structure 6A. LICENSEE shall coordinate the stockpiling of saleable logs with State Forester Jill Humphreys at [Jill.Humphreys@ct.gov](mailto:Jill.Humphreys@ct.gov) (860) 999-1802.
- **DATES & TIMES:** The LICENSEE may begin using State property not earlier than the date of execution of this License by the LICENSOR. The LICENSEE must be finished using State Forest property and removing any and all equipment from the site herein authorized for use no later than 5:00 p.m. on August 1, 2024.
- **APPROVED AREAS:** The LICENSEE is granted temporary permission to use areas that have been approved in advance by the LICENSOR's State Forestry Division and Land Acquisition and Management Unit. The approved off ROW work area is shown on a map entitled, "Frost Bridge to Noera Rebuild Project, Mapsheets 1-3" Dated June 13, 2023.
- **COMMERCIAL GENERAL LIABILITY INSURANCE:** The LICENSEE shall obtain at their own cost and for the duration of this License commercial general liability insurance in the amount of \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. Coverage shall include Premises and Operations, Independent Contractors, Products and Completed Operations, Contractual Liability and Broad Form Property Damage coverage. If a general aggregate

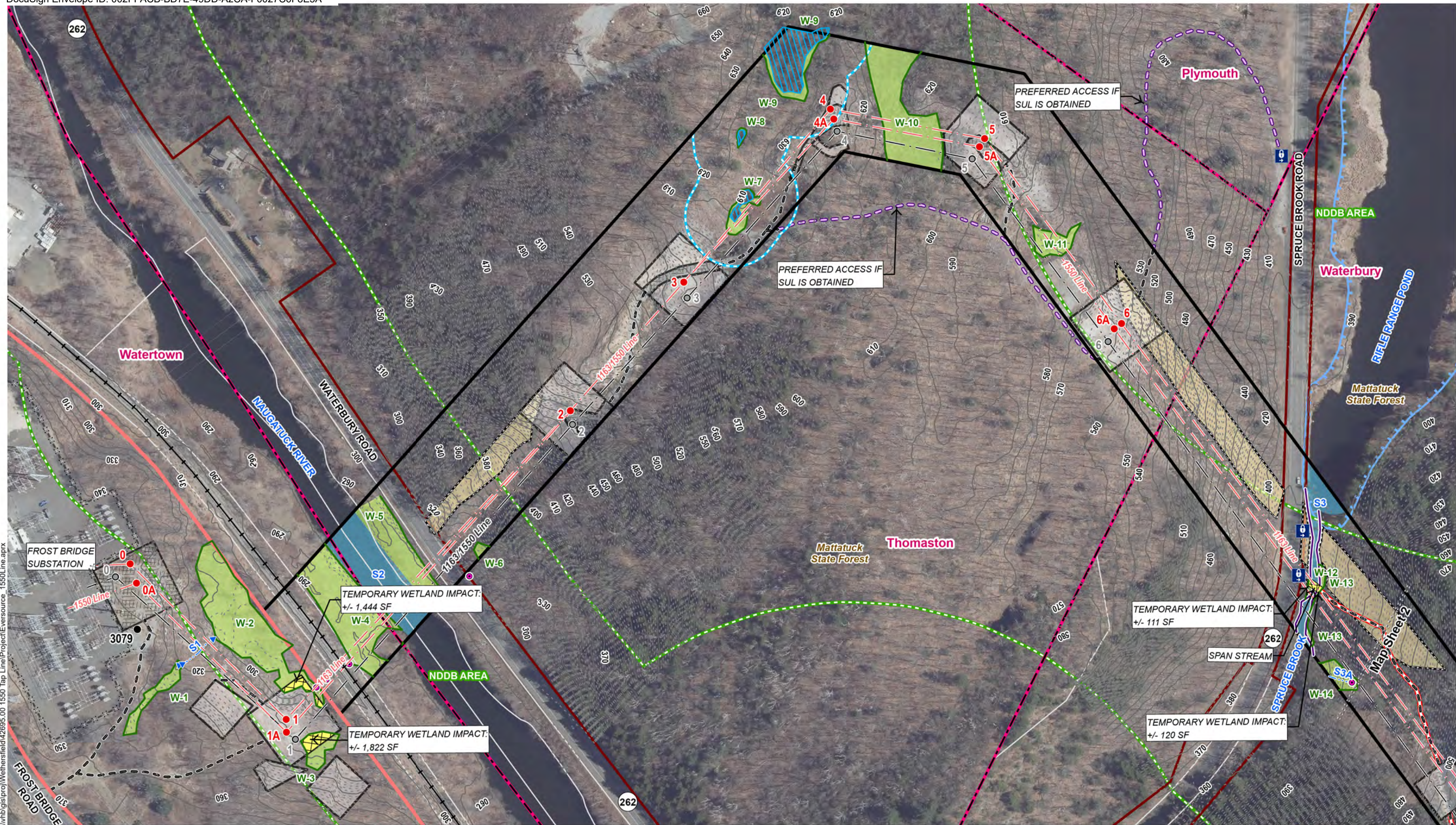
is used, the general aggregate limit shall apply separately to the project or the general aggregate limit shall be twice the occurrence limit. The LICENSEE shall provide the LICENSOR with a Certificate of Insurance naming the 'State of Connecticut, DEEP' as an Additional Insured for the date and location covered by this License. The coverage shall contain no special limitations on the scope of protection afforded to the State. The LICENSEE shall assume any and all deductibles in the described insurance policies. The LICENSEE contractors' insurer shall have no right of recovery or subrogation against the State and the described insurance shall be the primary coverage. Any failure to comply with the claim reporting provisions of the policy shall not affect coverage provided to the State. The insurance policy shall not be suspended, voided, cancelled or reduced, except after 30 days prior written notice by certified mail has been given to the State.

- **INDEMNITY:** The LICENSEE shall indemnify, defend and hold harmless the State of Connecticut and its officers, representatives, agents, servants, employees, successors and assigns from and against any and all (a) claims arising, directly or indirectly, in connection with this license, including the acts of commission or omission (collectively, the "Acts") of the LICENSEE or by any third parties associated with the LICENSEE; and (b) liabilities, damages, losses, costs and expenses, including, but not limited to, attorneys' and other professionals' fees, arising, directly or indirectly, in connection with claims, Acts or this License. The LICENSEE shall use counsel reasonably acceptable to the State in carrying out its obligations under this section. The LICENSEE shall reimburse the State for any and all damages to the real or personal property of the State caused by the acts of the LICENSEE or by any third parties associated with the LICENSEE. The State shall give the LICENSEE reasonable notice of any such claims. The rights provided in this section for the benefit of the State shall encompass the recovery of attorneys' and other professionals' fees expended in pursuing a claim against a third party. This section shall survive the revocation, cancellation or expiration of the License, and shall not be limited by reason of any insurance coverage.
- **ASSIGNIBILITY:** The LICENSEE shall not assign this License.
- **SAFETY:** The LICENSEE shall make every reasonable effort to protect the health and safety of the public and its agents and design and implement controls that provide for the safe use of State property for the duration of the project.
- **EXCLUSIVITY:** The LICENSEE is advised that State property will remain accessible to the general public daily and that this License does not grant the LICENSEE exclusive use of any area except in accordance with the Approved Areas section of this License. This License 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. This License does not convey approval or indication of future approval to use any land owned or controlled by the LICENSOR.
- **PROPERTY DAMAGE:** The LICENSEE shall insure that its actions and the actions of its agents and members shall not cause damage to State Wildlife property. The LICENSEE shall leave the area in the same condition or better than it was found prior to the project, to the satisfaction of the LICENSOR's State Wildlife Division.
- **OTHER PERMITS:** The LICENSEE shall be responsible for seeking and securing any other licenses, permits, or approvals required by the federal government, State of Connecticut, including those from the LICENSOR, or local government.
- **COMPLIANCE:** The LICENSEE shall comply with any reasonable order, oral or written, by an employee of the LICENSOR or the State Environmental Conservation Police. The LICENSEE agrees to comply with all sections of this License. Failure to comply with any section in this License will be considered in the LICENSOR's determination of whether future license requests by the LICENSEE will be granted.
- **REVOCABILITY:** This License is revocable immediately, upon oral or written notice by the LICENSOR.
- **CLEAN-UP/GARBAGE:** The LICENSEE shall be responsible for clean-up of the site and shall remove all trash, debris and temporary structures such as fencing, gates and signage resulting from the activity and use of State property by the expiration of this License.

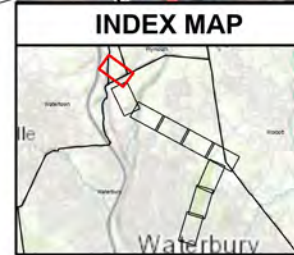
- **LAW ENFORCEMENT:** Law enforcement services necessary for the activity, if any, shall only be provided through the LICENSOR and no outside law enforcement personnel shall be retained by the LICENSEE for any purpose unless authorization is obtained in advance from the Director of the DEEP State Environmental Conservation Police Division.
- **STAFF REIMBURSEMENT:** The LICENSEE agrees to reimburse the LICENSOR's actual personnel costs for staffing outside of normal State property hours of operation and for any additional personnel deemed necessary by the LICENSOR to facilitate the project, including law enforcement personnel provided in accordance with the LAW ENFORCEMENT condition of this License. The LICENSOR reserves the right to assign additional staffing should unanticipated circumstances arise.

# Exhibit A:

## Mapping

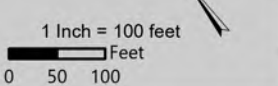


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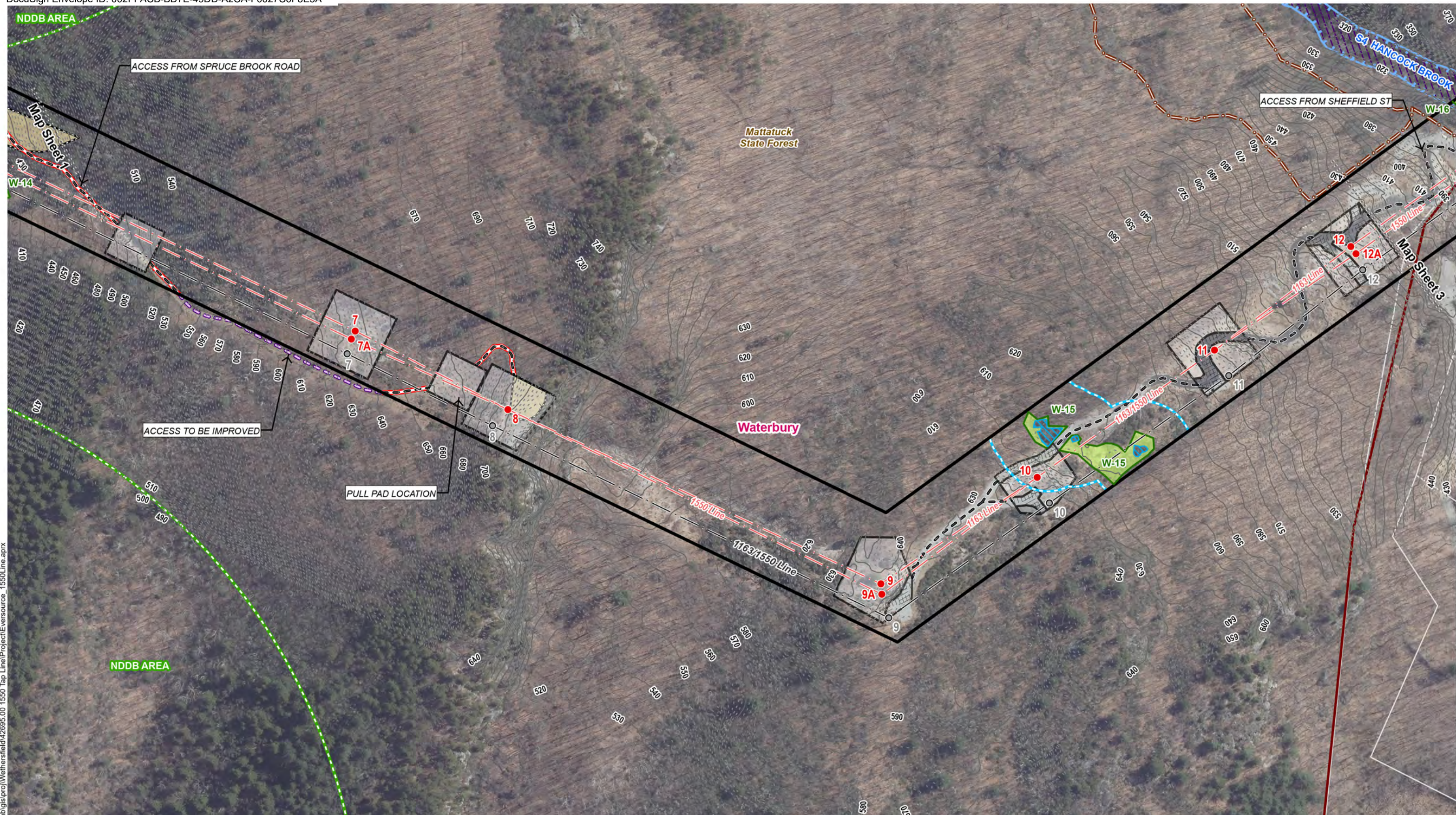
Legend	
● Proposed Structure	— Access Road to be Improved
● Existing Overhead Structure	▨ Temporary Construction Matting
○ Existing Structure to be Removed	▨ Stone Work Pad
— Proposed Overhead Eversource Line	▨ Existing Gravel
— Existing Overhead Eversource Line	— Delineated Intermittent Watercourse
— Existing Right-of-Way (ROW)	— Delineated Perennial Watercourse
— Existing Access	— Delineated Wetland Boundary Outline
— Off-ROW Access Pending Rights	— Ordinary High Water Mark
	— Field Delineated Wetland
	— Open Water
	▨ Potential Vernal Pool Extent
	▨ 100' Vernal Pool Envelope
	▨ Rare Species (NDDB December 2022)
	▨ FEMA 100-Year Flood Zone
Ⓜ Gate	— Railroad
○ Culvert	— Map Sheet Match Line
— 10' Contour Line	— Parcel Boundary
— 2' Contour Line	▨ Eversource Owned Parcel
— Fence	▨ State Owned Property
— Hiking Trail	▨ Area of Tree Clearing
	▨ Municipal Boundary

Date: June 13, 2023



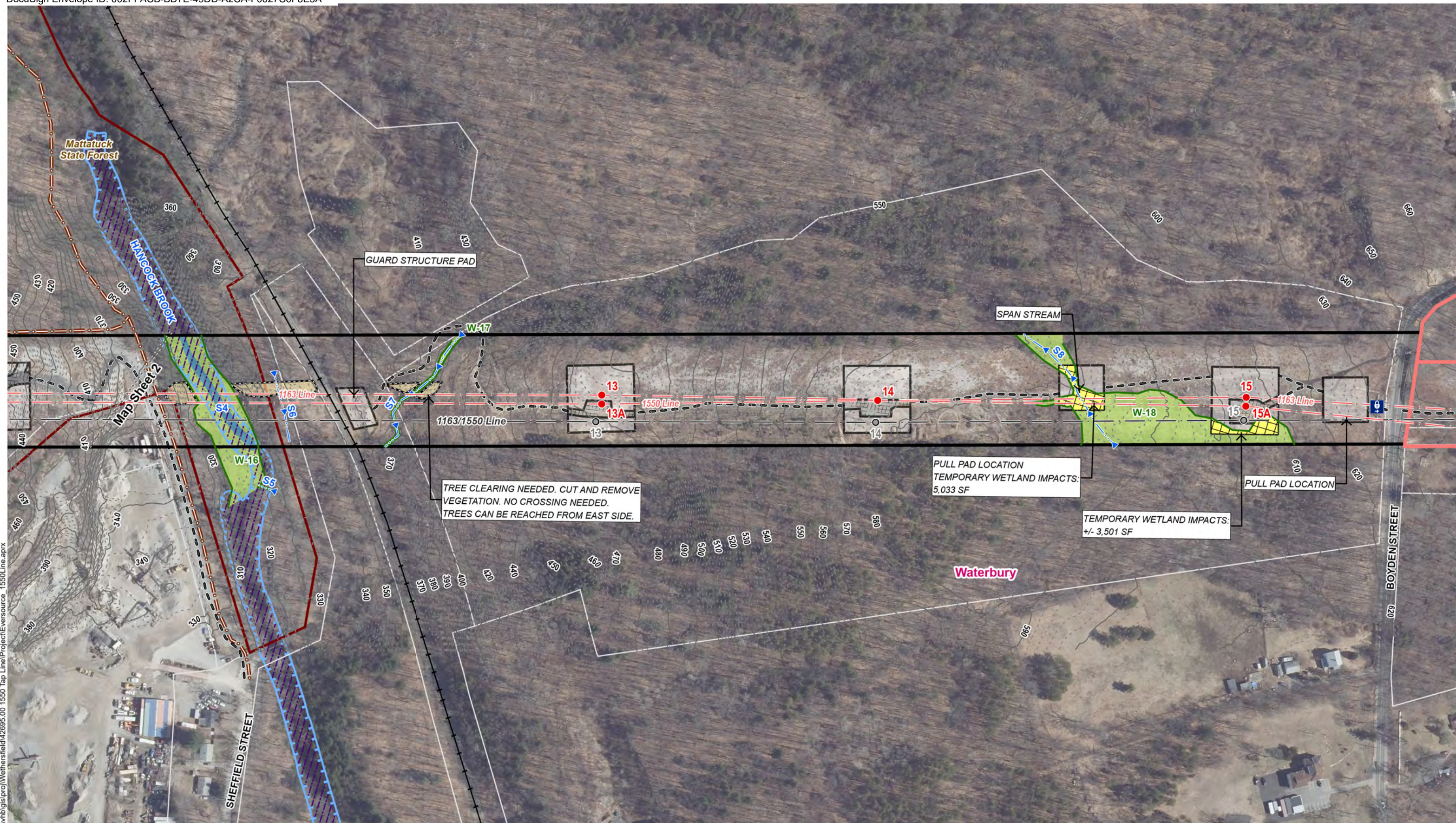
Base Map Source: 2019 Aerial Imagery (CTDEP)

<b>EVERSOURCE ENERGY</b>	
<b>Frost Bridge to Noera Rebuild Project</b>	
For Special Use License	
Watertown, Thomaston, Plymouth & Waterbury, CT	
	Map Sheet 1 of 3



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<b>INDEX MAP</b> 		<b>Legend</b> <ul style="list-style-type: none"> <li>● Proposed Structure</li> <li>● Existing Overhead Structure</li> <li>○ Existing Structure to be Removed</li> <li>- - - Proposed Overhead Eversource Line</li> <li>- - - Existing Overhead Eversource Line</li> <li>- - - Existing Right-of-Way (ROW)</li> <li>- - - Existing Access</li> <li>- - - Off-ROW Access Pending Rights</li> <li>== Access Road to be Improved</li> <li>▨ Temporary Construction Matting</li> <li>▭ Stone Work Pad</li> <li>▨ Existing Gravel</li> <li>▭ Delineated Intermittent Watercourse</li> <li>▭ Delineated Perennial Watercourse</li> <li>▭ Delineated Wetland Boundary Outline</li> <li>▭ Ordinary High Water Mark</li> <li>▭ Field Delineated Wetland</li> <li>▭ Open Water</li> <li>▭ Potential Vernal Pool Extent</li> <li>▭ 100' Vernal Pool Envelope</li> <li>▭ Rare Species (NDDB December 2022)</li> <li>▭ FEMA 100-Year Flood Zone</li> <li>Ⓜ Gate</li> <li>Ⓜ Culvert</li> <li>— 10' Contour Line</li> <li>- - - 2' Contour Line</li> <li>- - - Fence</li> <li>○ Hiking Trail</li> <li>— Railroad</li> <li>- - - Map Sheet Match Line</li> <li>- - - Parcel Boundary</li> <li>▭ Eversource Owned Parcel</li> <li>▭ State Owned Property</li> <li>▭ Area of Tree Clearing</li> <li>▭ Municipal Boundary</li> </ul>		Date: June 13, 2023  Base Map Source: 2019 Aerial Imagery (CTDEP) 0 50 100		<div style="text-align: center;"> <b>EVERSOURCE ENERGY</b>  <b>Frost Bridge to Noera Rebuild Project</b>                      For Special Use License                      Waterbury, CT                      Map Sheet 2 of 3                 </div>	
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TREE CLEARING NEEDED. CUT AND REMOVE VEGETATION. NO CROSSING NEEDED. TREES CAN BE REACHED FROM EAST SIDE.

PULL PAD LOCATION  
TEMPORARY WETLAND IMPACTS:  
5,033 SF

TEMPORARY WETLAND IMPACTS:  
+/- 3,501 SF

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<b>INDEX MAP</b> 		<b>Legend</b> <ul style="list-style-type: none"> <li>● Proposed Structure</li> <li>● Existing Overhead Structure</li> <li>○ Existing Structure to be Removed</li> <li>- - - Proposed Overhead Eversource Line</li> <li>- - - Existing Overhead Eversource Line</li> <li>- - - Existing Right-of-Way (ROW)</li> <li>- - - Existing Access</li> <li>- - - Off-ROW Access Pending Rights</li> <li>== Access Road to be Improved</li> <li>▨ Temporary Construction Matting</li> <li>▭ Stone Work Pad</li> <li>▨ Existing Gravel</li> <li>▨ Delineated Intermittent Watercourse</li> <li>▨ Delineated Perennial Watercourse</li> <li>▨ Delineated Wetland Boundary Outline</li> <li>▨ Ordinary High Water Mark</li> <li>▨ Field Delineated Wetland</li> <li>▨ Open Water</li> <li>▨ Potential Vernal Pool Extent</li> <li>▨ 100' Vernal Pool Envelope</li> <li>▨ Rare Species (NDDB December 2022)</li> <li>▨ FEMA 100-Year Flood Zone</li> <li>Ⓜ Gate</li> <li>Ⓜ Culvert</li> <li>— 10' Contour Line</li> <li>- - - 2' Contour Line</li> <li>- - - Fence</li> <li>○ Hiking Trail</li> <li>— Railroad</li> <li>- - - Map Sheet Match Line</li> <li>▭ Parcel Boundary</li> <li>▨ Eversource Owned Parcel</li> <li>▨ State Owned Property</li> <li>▨ Area of Tree Clearing</li> <li>▨ Municipal Boundary</li> </ul>		Date: June 13, 2023  1 Inch = 100 feet Feet 0 50 100		<div style="text-align: center;"> <b>EVERSOURCE ENERGY</b>  <b>Frost Bridge to Noera Rebuild Project</b>                      For Special Use License                      Waterbury, CT  </div>	
				Map Sheet 3 of 3			

**ATTACHMENT C**  
**DEEP NDDB DETERMINATION**



September 15, 2022

Michelle Ford  
Eversource Energy Service Company  
107 Selden St.  
Berlin, CT 06037  
[MICHELLE.FORD@EVERSOURCE.COM](mailto:MICHELLE.FORD@EVERSOURCE.COM)

**NDDB DETERMINATION NUMBER: 202208606**

**Project:** SUL for access Road; Replacement of 39 structures along 1163/1550 Line in ROW with vegetation clearing from Frost Bridge substation to Hancock Brook ; 4 structures, part of 1 workpad and 2 pullpads in NDDB area; WATERTOWN, WATERBURY, Connecticut

**Expiration:** September 15, 2024

According to our records, the following State-listed species (RCSA Sec. 26-306) have been documented in close proximity and may be affected by your work in the proposed project area:

**Whip-poor-will (*Caprimulgus vociferous*)- State Special Concern**

The whip-poor-will is a bird that nests in forest habitat with an open understory, often adjacent to areas of shrubby or herbaceous habitat. They are ground-nesting birds that breed between April 20- July 30. They consume aerial invertebrates, especially Lepidoptera and Coleoptera. Whip-poor-will will benefit from protection of unfragmented forested blocks, which serve as insulation to development subsidized predators, invasive plants, and forest disturbance.

This species is found at all of the work sites east of the Naugatuck River and the following avoidance measures should be applied throughout the area.

- **Do not cut, clear, remove trees or shrubs, or disturb ground or forest floor between May 1- July 30.**

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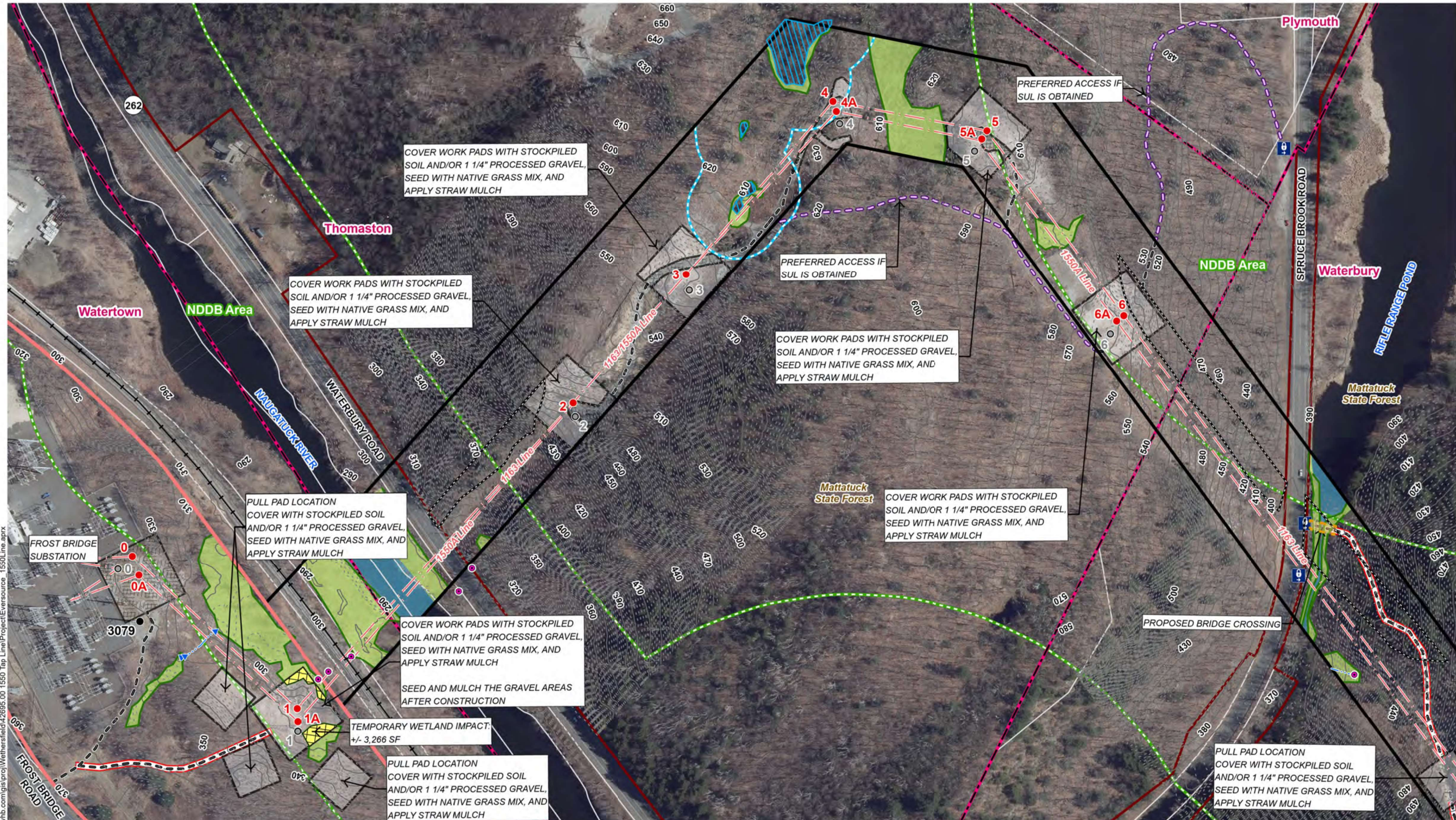
Natural Diversity Database information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Bureau of Natural Resources and cooperating units of DEEP, independent conservation groups, and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDB should not be substituted 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 in the NDDB as it becomes available.

Please contact me if you have any questions ([shannon.kearney@ct.gov](mailto:shannon.kearney@ct.gov)). Thank you for consulting with the Natural Diversity Data Base and continuing to work with us to protect State-listed species.

Sincerely,

/s/ Shannon B. Kearney  
Wildlife Biologist

CC: Lindsay Suhr (DEEP Land Acquisition and Management)  
Attachment: Site Plans



<ul style="list-style-type: none"> <li>Proposed Structure</li> <li>Existing Overhead Structure</li> <li>Existing Structure to be Removed</li> <li>Overhead Eversource Line</li> <li>Existing Right-of-Way (ROW)</li> <li>Existing Access</li> <li>Proposed Access</li> <li>Off-ROW Access Pending Rights</li> </ul>	<ul style="list-style-type: none"> <li>Access Road to be Improved</li> <li>Temporary Construction Matting</li> <li>Stone Workpad</li> <li>Existing Gravel</li> <li>Delineated Intermittent Watercourse</li> <li>Delineated Perennial Watercourse</li> <li>Delineated Wetland Boundary Outline</li> <li>Approximate Wetland Boundary</li> </ul>	<ul style="list-style-type: none"> <li>Field Delineated Wetland</li> <li>Approximate Wetland (not delineated)</li> <li>Open Water</li> <li>Potential Vernal Pool Extent</li> <li>100' Vernal Pool Envelope</li> <li>Rare Species Habitat (NDDB June 2022)</li> </ul>	<ul style="list-style-type: none"> <li>Gate</li> <li>Culvert</li> <li>Proposed Bridge Crossing</li> <li>10' Contour Line</li> <li>2' Contour Line</li> <li>Railroad</li> <li>Hiking Trail</li> </ul>	<ul style="list-style-type: none"> <li>Parcel Boundary</li> <li>Eversource Owned Parcel</li> <li>State Owned Property</li> <li>Area of Tree Clearing</li> <li>Municipal Boundary</li> </ul>
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**EVERSOURCE ENERGY**

**1163/1550 Line Structure Replacement Project**

Date: August 17, 2022      Map Author: S. Pelletier

Watertown and Waterbury, CT

Map Sheet 1 of 1

NO.	DATE	REVISIONS	BY	CHK	APP	APP

**ATTACHMENT D**  
**FAA OBSTRUCTION EVALUATION**



**Federal Airways  
& Airspace®**

1423 South Patrick Drive  
Satellite Beach, FL 32937  
(321) 777-1266 | Fax: (321) 777-8595  
<http://www.AirspaceUSA.com>

## 6-6A to 7-7A Marking Pattern – Supplemental Information

Date: 8/29/2023

To: Eversource Energy  
Attn: Katarzyna (Kasia) Filipkowska  
Associate Engineer, Transmission Line Engineering  
56 Prospect Street, 56P-1  
Hartford, CT 06103

Project: Line 1163-1550

From: Tom Wallace

Kasia,

This document provides guidance on how to apply FAA marking requirements from FAA ASN 2023-ANE-4062-OE to Catenary span 6-6A to 7-7A. Should you have any questions, please contact me by phone, (321)-777-1266, or by email [Thomas.Wallace@AirspaceUSA.com](mailto:Thomas.Wallace@AirspaceUSA.com).

Sincerely,

Tom Wallace  
Federal Airways & Airspace

## Project Overview

Transmission Line catenary 6/6A to 7/7A was filed with the FAA and issued a Determination of No Hazard with a condition for the span to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M; spherical markers and red lights – Chapters 3(Marked), 4, 5(Red), and 15. The project parameters are listed in Table 1.

Str Num	Longitude	Latitude	SE	AGL
6/6A and 7/7A	-73.0524196	41.6075266	374	
Conductor	-73.0524196	41.6075266	374	204.5
Shield Wire	-73.0524196	41.6075266	374	250.6

Table 1: Project Parameters

Figure 1 shows a spherical marking pattern that is in accordance with the guidelines outlined in FAA 70/7460-1M. The shield wire should be equipped with three aviation orange, non-lighted marker balls. This crossing is not considered an extensive catenary, therefore, the minimum diameter of the unlighted shield wire markers should be no less than 20 inches. These markers should be spaced approximately 157.5 feet apart across the 630-foot area of violation.

The highest energized line will require one lighted marker ball. This lighted marker ball on the highest energized line should be no less than 20 inches in diameter. This marker should be placed on the highest energized line at approximately the middle of the violation area.

6-6A to 7-7A Marking Pattern

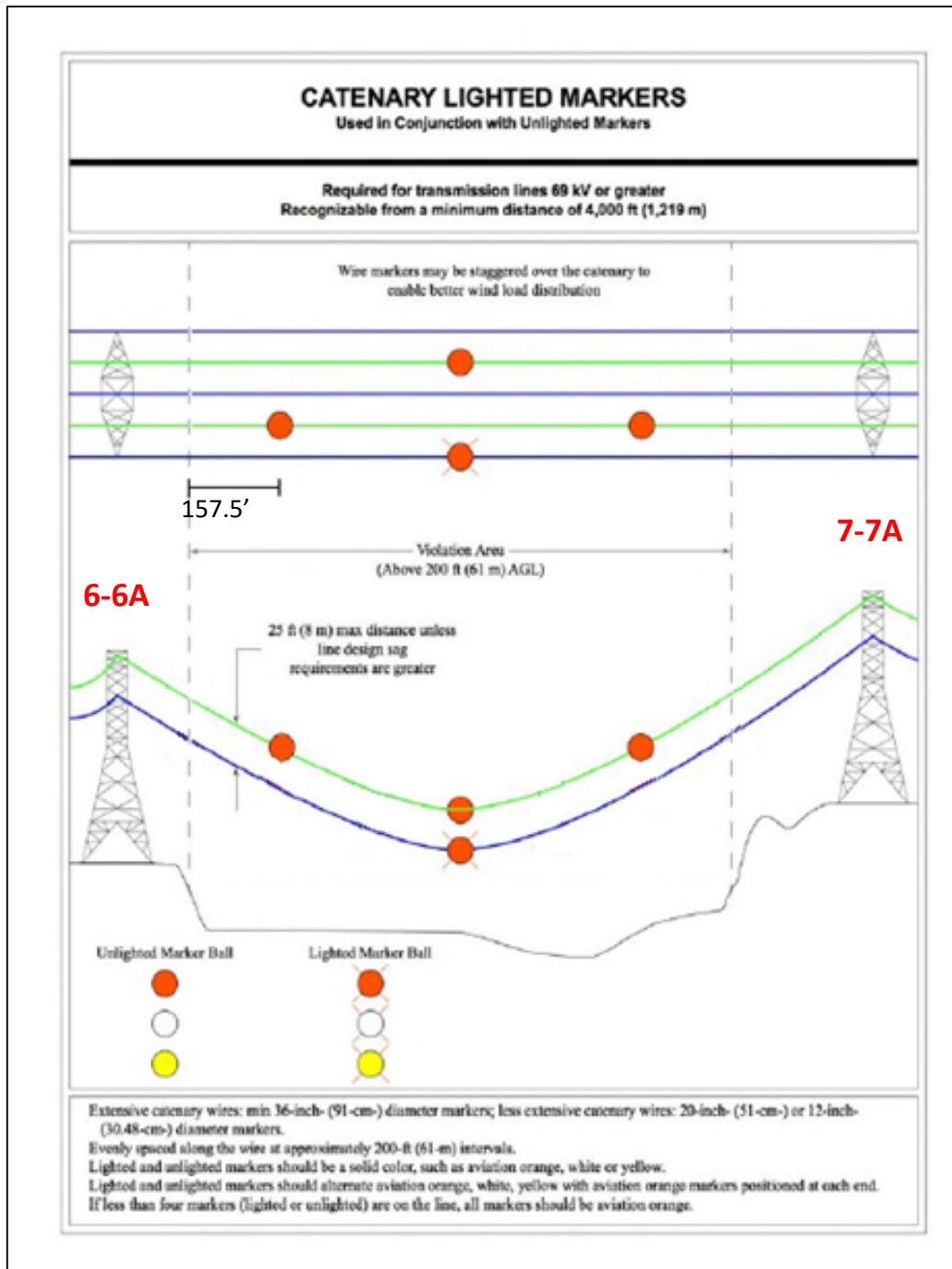


Figure 1: Marking Pattern

**ATTACHMENT E**  
**VERNAL POOL REPORT**

**VERNAL POOL PROTECTION PLAN**

ALL PROJECT WORK SHALL COMPLY WITH RELEVANT PORTIONS OF 2022 EVERSOURCE'S BEST MANAGEMENT PRACTICES (BMP) MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS AND PROJECT-SPECIFIC STORMWATER POLLUTION CONTROL PLAN (SWPCP) AND PETITION MAPPING. VERNAL POOL PROTECTION BMPs HAVE BEEN INCORPORATED INTO PROJECT MAPPING. ADDITIONAL BMPs MAY BE IMPLEMENTED DURING CONSTRUCTION BASED ON SITE SPECIFIC CONDITIONS, AND CONSTRUCTION METHODOLOGY AND TIMING. REFER TO BELOW, ILLUSTRATION OF VERNAL POOL ENVELOPE BMPs, AND SEASONAL ACTIVITY PERIODS FOR VERNAL POOL INDICATOR SPECIES..

**VEGETATION MANAGEMENT**

**VERNAL POOL DEPRESSION (VPD)**

1. PLACEMENT OF MATTING OR USE OF EQUIPMENT WITHIN THE VPD IS NOT ALLOWED AT ANY TIME.
2. IF VEGETATION MUST BE REMOVED FROM WITHIN THE VPD, IT SHALL NOT BE DONE DURING THE AMPHIBIAN BREEDING SEASON.
3. DURING VEGETATION REMOVAL, COMPATIBLE SPECIES WITHIN THE VPD MUST BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE AT ALL TIMES. USE OF THE FOLLOWING MEASURES IS REQUIRED:
  - A. IF VEGETATION MUST BE REMOVED, IT MUST BE DONE SELECTIVELY EITHER BY HAND OR WITH EQUIPMENT THAT CAN REACH IN AND CUT AND REMOVE IT.
  - B. TREES THAT ARE HAND FELLED MUST BE LIFTED; NOT DRAGGED OUT OF THE VPD.
  - C. TREES LOCATED OUTSIDE OF THE VPD SHALL NOT BE FELLED INTO THE VPD UNLESS THERE ARE SAFETY CONSIDERATIONS THAT DICTATE OTHERWISE.
  - D. IF CUT VEGETATION, OR PORTIONS THEREOF, CANNOT BE SAFELY LIFTED OUT OF THE VPD IT MAY BE LEFT IN PLACE WITH THE APPROVAL OF EVERSOURCE OR THEIR DESIGNATED REPRESENTATIVE.
4. DO NOT DISTURB EXISTING, DOWNED WOODY DEBRIS.

**VERNAL POOL 100' ENVELOPE (VPE)**

5. VEGETATION REMOVAL WITHIN THE VPE SHALL BE AVOIDED TO THE MAXIMUM EXTENT PRACTICABLE DURING THE AMPHIBIAN BREEDING SEASON: SPRING BREEDERS (MARCH – JUNE); FALL BREEDERS (AUGUST – SEPTEMBER).
6. DURING VEGETATION REMOVAL, COMPATIBLE SPECIES WITHIN THE VPE MUST BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE AT ALL TIMES. USE OF THE FOLLOWING MEASURES IS REQUIRED.
  - A. IF VEGETATION MUST BE REMOVED, TO THE MAXIMUM EXTENT PRACTICABLE IT MUST BE DONE SELECTIVELY EITHER BY HAND OR WITH EQUIPMENT. NON-SELECTIVE MOWING OF VEGETATION SHALL ONLY BE USED IF IT IS ABSOLUTELY NECESSARY.
  - B. USE OF EQUIPMENT SHOULD BE RESTRICTED TO EXISTING ACCESS ROADS AND OTHER IMPROVED SURFACES INSTEAD. ACCESS ROUTES WITHIN THE VPE SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.
  - C. IF EQUIPMENT IS REQUIRED WITHIN THE VPE, SOIL DISTURBANCE AND COMPACTION MUST BE MINIMIZED THROUGH THE USE OF MATTING OR LOW GROUND PRESSURE EQUIPMENT.
  - D. MINIMIZE THE REMOVAL OF LOW GROWING VEGETATION WITHIN 25' OF THE VPD.
  - E. USE OF EQUIPMENT AND/OR THE PLACEMENT OF MATS WITHIN 25' OF THE VPD ARE NOT ALLOWED UNLESS THERE ARE SAFETY CONSIDERATIONS THAT DICTATE OTHERWISE.
7. CUT VEGETATION, OR PORTIONS THEREOF, MAY BE LEFT IN PLACE WITHIN THE VPE WITH THE APPROVAL OF EVERSOURCE OR THEIR DESIGNATED REPRESENTATIVE.
8. PROTECT EXISTING, DOWNED WOODY DEBRIS TO THE MAXIMUM EXTENT PRACTICABLE, PARTICULARLY WITHIN 25' OF THE VPD.

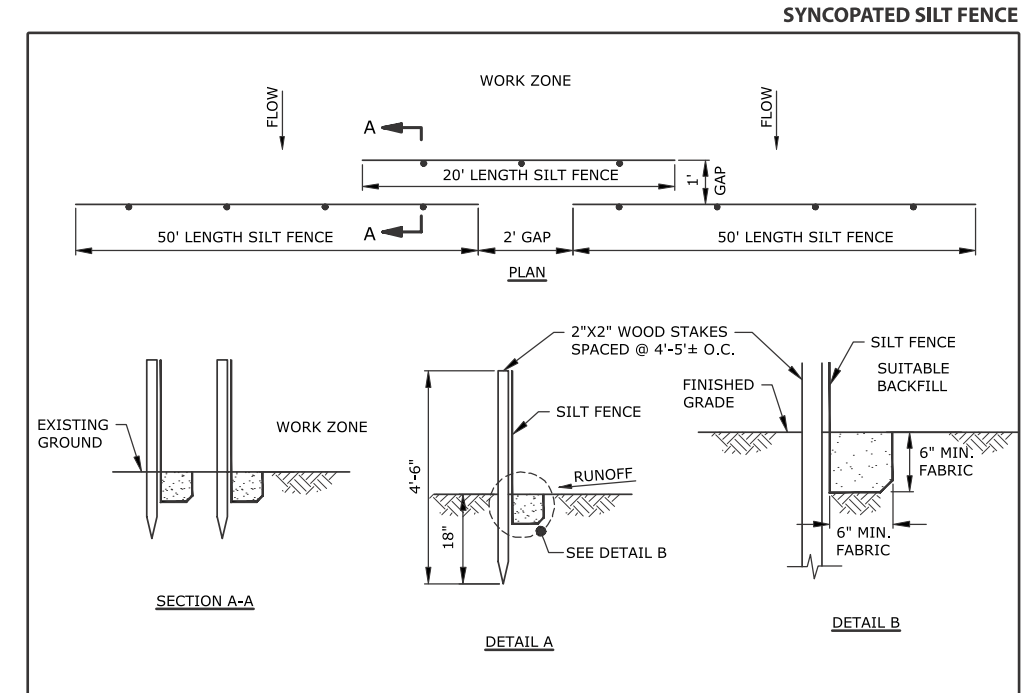
**CIVIL CONSTRUCTION**

9. INSTALL AND MAINTAIN EROSION AND SEDIMENTATION (E&S) CONTROLS IN ACCORDANCE WITH THE SWPCP AND AS NECESSARY TO PROTECT WATER QUALITY AND TO LIMIT THE POTENTIAL FOR SOIL DEPOSITION INTO A VPD. IF INSTALLATION OF E&S CONTROLS IS NECESSARY DURING THE BREEDING SEASON, USE OF MEASURES SUCH AS SYNCOPATED SILT FENCE, WATTLES, OR COMPOST SOCKS SHALL BE USED TO MAINTAIN AMPHIBIAN ACCESS TO AND FROM THE VPD.
10. PLASTIC NETTING, WHICH MAY BE FOUND IN A VARIETY OF EROSION CONTROL PRODUCTS (E.G., EROSION CONTROL BLANKETS, STRAW WATTLES, AND REINFORCED SILT FENCE) IS NOT ALLOWED.
11. WHERE FEASIBLE, THE USE OF TEMPORARY TIMBER MAT ACCESS ROADS AND WORK PADS IN LIEU OF CONSTRUCTING NEW GRAVEL ACCESS ROADS AND WORK PADS SHOULD BE EVALUATED IN ORDER TO MINIMIZE THE LOSS OF VEGETATED AREAS WITHIN A VPE.
12. TO THE EXTENT THAT CIRCUIT OUTAGE AND OTHER CONSTRUCTION TIMING CONSTRAINTS ALLOW, EVERSOURCE WILL ATTEMPT TO SCHEDULE THE INSTALLATION OF ACCESS ROADS AND WORK PADS NEAR VERNAL POOLS SO AS NOT TO INTERFERE WITH AMPHIBIAN BREEDING AND MIGRATION SEASONS.

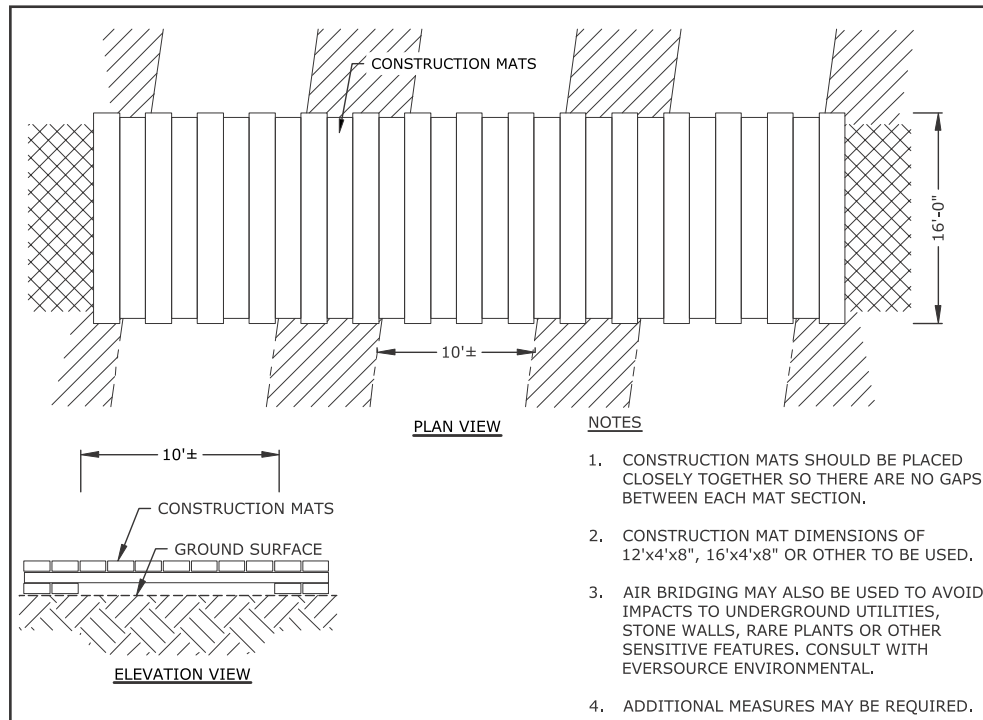
13. FOR PROJECT ACTIVITIES THAT MUST OCCUR ADJACENT TO OR WITHIN VERNAL POOLS DURING AMPHIBIAN MIGRATION PERIODS, MEASURES WILL BE IMPLEMENTED ON A SITE-SPECIFIC BASIS AS NECESSARY TO FACILITATE UNENCUMBERED AMPHIBIAN ACCESS TO AND FROM VERNAL POOLS. THESE MEASURES ARE TYPICALLY SHOWN ON THE SWPCP. ADDITIONAL MEASURES MAY BE PROVIDED BY EVERSOURCE BASED ON SITE SPECIFIC CONDITIONS AT THE TIME OF CONSTRUCTION.
14. ADDITIONAL MEASURES THAT MAY BE CONSIDERED TO FACILITATE VERNAL POOL ACCESS INCLUDE SYNCOPATED SEDIMENTATION CONTROL FENCING OR WATTLES, ELEVATED CONSTRUCTION MATTING (CONSTRUCTION MAT AIR BRIDGE), AND ALIGNING EROSION AND SEDIMENTATION CONTROLS TO AVOID BIFURCATING VERNAL POOL HABITAT. INSTALLATION OF ANY MITIGATION DEVICES WILL BE BASED ON FIELD CONDITIONS, CONSTRUCTION REQUIREMENTS, AND SPECIES-SPECIFIC HABITAT REQUIREMENTS.
15. EROSION AND SEDIMENTATION CONTROL DEVICES WILL BE PROMPTLY REMOVED UPON FINAL REVEGETATION AND STABILIZATION OF THE ROW.

**DRILLING**

16. SPOILS STOCKPILES ON UPLAND WORK PADS SHOULD STOCKPILED AWAY FROM VERNAL POOLS AND PROTECTED WITH EROSION AND SEDIMENTATION CONTROLS (SILT FENCING, STRAW WATTLES, AND/OR COVERED WITH SEED AND STRAW). SPOILS GENERATED ON MATTED WORK PADS IN WETLANDS SHOULD BE TRUCKED TO AN APPROVED OFF-SITE LOCATION OR PLACED IN UPLANDS, IN-ROW ON THE SAME PROPERTY FROM WHICH THEY ORIGINATED.



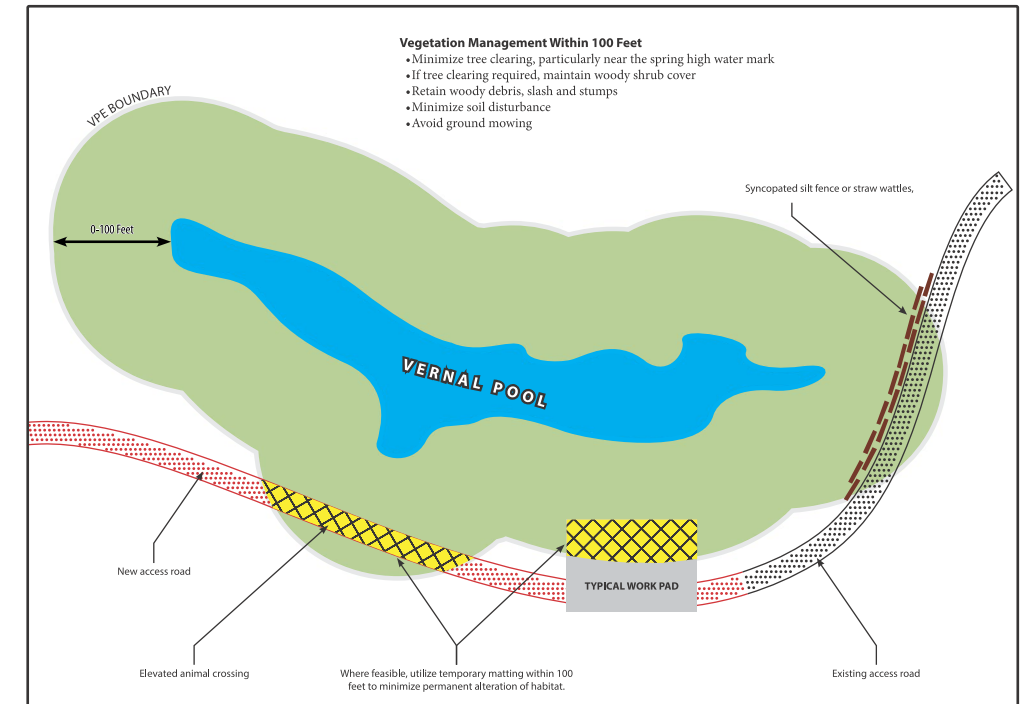
**CONSTRUCTION MAT (AIR BRIDGE)**



**SEASONAL ACTIVITY PERIODS FOR VERNAL POOL INDICATOR SPECIES**

SPRING BREEDERS		
Wood Frog, Spotted Salamander, Jefferson Salamander, and Blue-spotted Salamander Complex		
NOVEMBER - FEBRUARY	Pools are dormant	
MARCH - APRIL	Migration, breeding and egg deposition	
APRIL - JUNE	Egg hatching and larval development	
JUNE - OCTOBER	Metamorphosis and juvenile dispersal	
FALL BREEDERS		
Marbled Salamander		
AUGUST - SEPTEMBER	Migration, breeding and egg deposition	
NOVEMBER - MAY	Egg hatching and larval development	
MAY - JULY	Metamorphosis and juvenile dispersal	
HIGH SENSITIVITY PERIOD 0-100FT		
MARCH - APRIL	High densities of adults migrating to and from breeding pools	
JUNE - JULY	High densities of metamorphs disperse from breeding pools into the adjacent forest	
HIGH SENSITIVITY PERIOD 0-100FT		
AUGUST-SEPTEMBER	Adults migrate to breeding pools	
MAY - JULY	High densities of metamorphs disperse from breeding pools into the adjacent forest	

**ILLUSTRATION OF VERNAL POOL ENVELOPE BMPs**



<b>EVSOURCE ENERGY</b>						
<b>VERNAL POOL PROTECTION PLAN</b>						
<b>Southington Substation to Cook Hill Junction Rebuild Project</b>						
<b>Cheshire, Meriden, Southington and Wallingford, Connecticut</b>						
						<b>September 19, 2023</b>
NO.	DATE	REVISIONS	BY	CHK	APP	APP