

E-5034-006  
March 20, 2020

NH Department of Environmental Services  
Wetlands Bureau  
29 Hazen Drive, PO Box 95  
Concord, NH 03302-0095

Re: **Utility Maintenance Activity Statutory Permit-by-Notification  
Eversource B172 Transmission Line ROW  
Derry, New Hampshire**

Dear NHDES Analyst:

This Utility Maintenance Activity Statutory Permit-by-Notification (SPN) is being filed by Tighe & Bond on behalf of the Public Service Company of New Hampshire dba Eversource Energy (Eversource) for proposed maintenance work located within the maintained B172 Transmission Line ROW. Tighe & Bond has been retained by Eversource to assist with environmental permitting for the replacement of utility structure 387 located within the existing B172 Transmission Line west of Scobie Pond Road in Derry, NH. Please refer to the USGS Topographic Map and Site Plan which show the location of the proposed work.

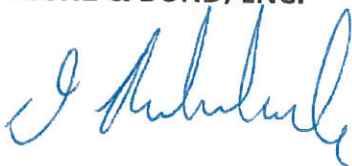
The proposed work is exempt from additional permitting per Title L Water Management and Protection Chapter 483-A Fill and Dredge in Wetlands Section XV (a-e) "*Utility providers who maintain and repair existing utility services within existing rights of way under the Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire published by the department of resources and economic development, and who have complied with subparagraphs (b)-(e) shall satisfy the permitting requirements of this section, including any portion located in or adjacent to a prime wetland, for minimum impact activities as defined by rules adopted by the commissioner.*"

In Derry, the project involves the in-kind replacement of one utility pole structure. The maintenance work requires temporary wetland impacts to a palustrine scrub-shrub and emergent wetland system for access to the structures. Included in this submittal is a signed Statutory Permit-by-Notification Form, USGS Topographic Map, Site Plan, and NHB Report. In compliance with RSA 483-A:3 XV(d) Eversource has paid a one-time annual fee of \$400 to the Department in a separate mailing.

Should you have any questions or require any additional information, please contact me at [dprukakoski@tighebond.com](mailto:dprukakoski@tighebond.com) or (413) 875-1312.

Very truly yours,

**TIGHE & BOND, INC.**



Daniel P. Rukakoski, PWS, CWS  
Vice President

Enclosures

Copy: Eversource Energy – Jeni Menendez



**UTILITY MAINTENANCE ACTIVITY  
STATUTORY PERMIT-BY-NOTIFICATION (SPN)  
Water Division/Land Resources Management  
Wetlands Bureau**



[Check the Status of your Notification](#)

**RSA/Rule:** RSA 482-A / Env-Wt 308.04(d); Env-Wt 521

**NAME OF UTILITY PROVIDER:** Eversource Energy

|  |  |  |
|--|--|--|
| Administrative Use Only<br><i>received 3/21/20</i> | Administrative Use Only<br><i>complete 3/21/20</i> | <input checked="" type="checkbox"/> SPN complete and project as described conforms with all applicable requirements.   |
|  |  | <input type="checkbox"/> SPN incomplete and/or project as described does not conform with all applicable requirements. |
| File No.: <i>2020-00032</i>                        |  | Reviewer's Initials: <i>MAD</i>  |
| Check No.: <i>274590</i>                           |  | Amount: <i>400.00</i>  |

Terms in **bold font** are defined in the attached "Definition of Terms" page.

|   |   |
|---|---|
| <b>SECTION 1 - PROJECT CRITERIA</b>   |   |
| a. Does the project meet all applicable Best Management Practices for Utility Maintenance (Utility BMPs) and have temporary impacts associated with inspection, maintenance, repair, replacement, or removal of existing utility facilities only within existing rights-of-way (Env-Wt 521.06(a)(1))?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| b. If there will be impacts to any <b>Priority Resource Area (PRA)</b> , other than <b>designated prime wetlands</b> and their <b>duly-established 100-foot buffers</b> , will the project follow recommendations provided by Natural Heritage Bureau (NHB), New Hampshire Fish and Game (NHF&G), and the Department in a pre-notification review meeting (Env-Wt 521.06(a)(4))?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> N/A |
| If you answered "No" or "N/A" to question 1a and/or 1b, you cannot use this form and must file a Standard Permit Application (RSA 482-A:3, XV). If you answered "Yes" to question 1a, proceed to question 1b.   |   |
| c. Will the project include establishing new access roads, installing permanent stream or <b>wetland</b> crossings, constructing new utility corridors or rights of way (ROW), or establishing new utility assets within existing corridors or rights of way (Env-Wt 521.06(a)(2))?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |
| d. Will the project include any permanent fill in navigable waters (Env-Wt 521.06(a)(3))?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |
| e. Will timber mats be: <ol style="list-style-type: none"> <li>1. Used in a tidal <b>marsh</b>; or</li> <li>2. Used in an area other than a tidal marsh if they are:                         <ul style="list-style-type: none"> <li>• Not necessary to conduct activities;</li> <li>• Not removed as soon as work is completed; or</li> <li>• In place longer than one growing season (Env-Wt 521.06(a)(5))?</li> </ul> </li> </ol> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |
| f. Will the project cause permanent conversion of more than 3,000 SF of forested <b>wetlands</b> to emergent or <b>scrub-shrub wetlands</b> with or without temporary fill (Env-Wt 521.06(a)(6))?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |
| If you answered "Yes" to questions 1c, d, e, and/or f, you cannot use this form and must file a Standard Permit Application (RSA 482-A:3, XV). If you answered "No" to all of the questions 1b-1f, continue to Section 3.   |   |

[utility@des.nh.gov](mailto:utility@des.nh.gov) or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

[www.des.nh.gov](http://www.des.nh.gov)

**SECTION 2 - PROPOSED PROJECT DESCRIPTION (RSA 482-A:3, XV(b)(2))**  
 Please provide a brief written description of the nature of the work to be conducted.

Eversource Energy proposes to complete maintenance work on the B172 Transmission Line which crosses through Derry and Chester. The proposed work in Derry includes one structure replacement. The project requires temporary wetland impacts to facilitate access and work pad placement in the Town of Derry. The wetlands are primarily palustrine scrub shrub and emergent systems located within the maintained Eversource Energy right-of-way.

**SECTION 3 - LOCATION OF PROPOSED ACTIVITY (RSA 482-A:3, XV(b)(3))**

Town/City: Derry

**SECTION 4 - PROJECT TYPE (RSA 482-A:3, XV(b)(2))**  
 Check all that apply:

|   |   |
|---|---|
| <input checked="" type="checkbox"/> Equipment repair and maintenance in ROW   | <input type="checkbox"/> Natural Gas Lines  |
| <input checked="" type="checkbox"/> Overhead Electric Lines   | <input type="checkbox"/> Water Supply Lines |
| <input type="checkbox"/> Overhead Telephone or Cable Lines  | <input type="checkbox"/> Sewer Lines        |
| <input type="checkbox"/> Vegetative maintenance within ROW<br>(If access through private property is needed to reach the ROW, permission from the landowner(s) is required prior to conducting work.) | <input type="checkbox"/> Other:             |

**SECTION 5 - UTILITY PROVIDER (RSA 482-A:3, XV(b)(1))**

UTILITY PROVIDER/COMPANY NAME: Eversource Energy

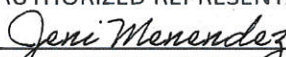
AUTHORIZED REPRESENTATIVE LAST NAME, FIRST NAME, M.I.: Jeni Menendez

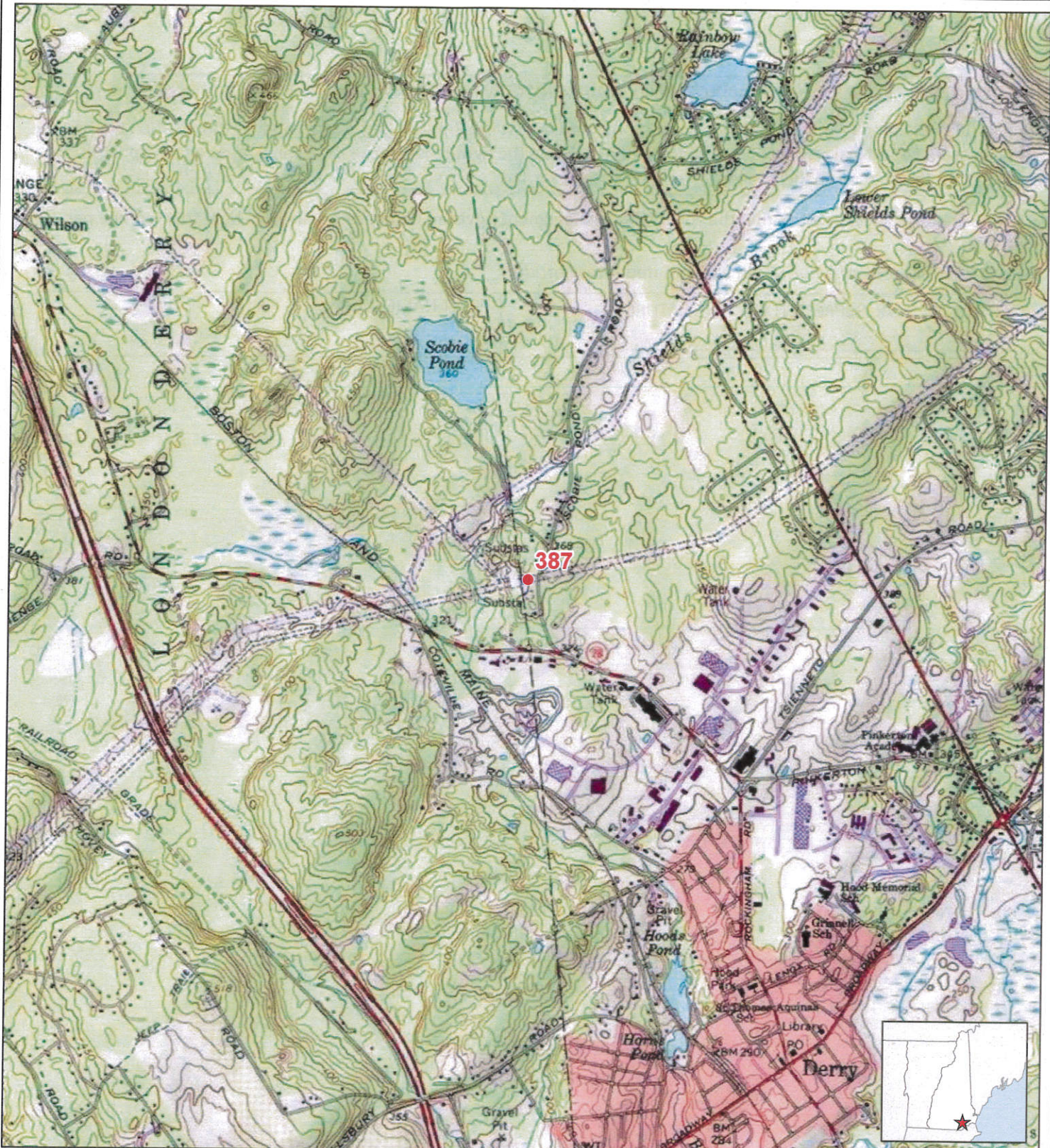
MAILING ADDRESS: 13 Legends Drive

|                     |           |                 |
|---------------------|-----------|-----------------|
| TOWN/CITY: Hooksett | STATE: NH | ZIP CODE: 03106 |
|---------------------|-----------|-----------------|

**SECTION 6 - IMPACTED RESOURCES (RSA 482-A:3, XV(b)(2))**  
 Check all that apply.

|   |
|---|
| <input checked="" type="checkbox"/> Temporary Non-Tidal Wetland                         |
| <input type="checkbox"/> Temporary Intermittent Stream Crossing                         |
| <input type="checkbox"/> Temporary (2-years maximum) Perennial Stream or River Crossing |

|   |   |                    |
|---|---|--------------------|
| <b>SECTION 7 - ATTACHMENTS (RSA 482-A:3, XV))</b>   |   |                    |
| Verify the following attachments are submitted with this form by checking each box below.   |   |                    |
| <input checked="" type="checkbox"/> <b>United States Geological Survey (USGS) Topographic Map</b> (at its original scale 1:24,000 or 1:25,000) with the project location(s) or utility corridor clearly identified (RSA 482-A:3, XV(b)(3)).   |   |                    |
| <input checked="" type="checkbox"/> The most recent National Wetland Inventory (NWI) map, <b>USGS topographic map</b> , or annotated aerial photograph showing wetland types crossed (optional, but verified for eligibility for an SPN by NHDES). See NHDES Wetland Permit Planning Tool (Env-Wt 406.03(b)(2)c.(5)). |   |                    |
| <input type="checkbox"/> \$400 non-refundable filing fee per town, per year. Please make check or money order payable to: Treasurer - State of NH (RSA 482-A:3, XV(d)).   |   |                    |
| <input checked="" type="checkbox"/> The <b>DataCheck</b> identification number and an affirmation that recommendations have been received (Env-Wt 308.05(a)(2)).  |   |                    |
| Natural Heritage Bureau Identification ID: NHB <u>20</u> - <u>0665</u>  |   |                    |
| <i>Questions related to completing this process should be directed to the Natural Heritage Bureau.</i>  |   |                    |
| <b>SECTION 8 - REQUIRED CERTIFICATIONS FROM AUTHORIZED UTILITY PROVIDER REPRESENTATIVE</b>  |   |                    |
| By initialing each item and signing this application, the authorized representative affirms that (Env-Wt 308.05(b)(2)):   |   |                    |
| Initials:<br>JM   | The project is not located in a PRA, except as provided in Env-Wt 407 and Env-Wt 521 where the applicant has met with the resource agencies (NHB, NHF&G, and NHDES) in a pre-notice meeting.  |                    |
| Initials:<br>JM   | All recommendations of NHB and NHF&G have been received. And  |                    |
| Initials:<br>JM   | The person responsible for the activity is aware of the limits of the SPN and applicable BMPs for the project, and will adhere to both.   |                    |
| By initialing each item and signing this application, the authorized representative certifies that (Env-Wt 311.11(e)):  |   |                    |
| Initials:<br>JM   | The information submitted on or within this notification is true, complete, and not misleading to the best of the signer's knowledge and belief. And  |                    |
| Initials:<br>JM   | The signer understands that: <ul style="list-style-type: none"> <li>• The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:                         <ol style="list-style-type: none"> <li>1. Deny the application.</li> <li>2. Revoke any approval that is granted based on the information. And</li> <li>3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1.</li> </ol> </li> <li>• The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project.</li> </ul> |                    |
| <b>SECTION 9 - REQUIRED SIGNATURE FROM AUTHORIZED UTILITY PROVIDER REPRESENTATIVE</b>   |   |                    |
| AUTHORIZED REPRESENTATIVE SIGNATURE:<br>   | PRINT NAME LEGIBLY:<br>Jeni Menendez  | DATE:<br>3/20/2020 |

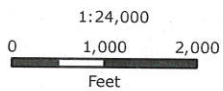


**FIGURE 1  
SITE LOCUS MAP**

Line B172  
Structure Replacement Project  
Derry, New Hampshire

March 2020

**Tighe & Bond** Based on USGS Topographic Map for Derry, New Hampshire



**SECTION 10 - LOCAL RIVER MANAGEMENT ADVISORY COMMITTEE (LAC) SIGNATURE (Env-Wt 308.05)**

If a Utility Maintenance Notification is sought for a project that is within [LAC jurisdiction](#) and the Notification has not been signed by a legal representative of the LAC to indicate the right to intervene has been waived by the applicable LAC, NHDES will issue an incomplete letter to the applicant.

The signature below certifies that the Local River Management Advisory Committee waives its right to intervene per RSA 482-A:11.

N/A This project is *not* within a Designated River Corridor)

AUTHORIZED LAC REPRESENTATIVE SIGNATURE:

PRINT NAME LEGIBLY:

DATE:

\_\_\_\_\_

[utility@des.nh.gov](mailto:utility@des.nh.gov) or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

[www.des.nh.gov](http://www.des.nh.gov)



**UTILITY MAINTENANCE ACTIVITY**  
**STATUTORY PERMIT-BY-NOTIFICATION (SPN)**  
**Water Division/Land Resources Management**  
**Wetlands Bureau**  
[Check the Status of your Notification](#)



**RSA/Rule:** RSA 482-A / Env-Wt 308.04(d); Env-Wt 521

**NAME OF UTILITY PROVIDER:** Eversource Energy

|  |                         |  |                                 |
|--|-------------------------|--|---------------------------------|
| Administrative Use Only<br><i>Received 9/24/20</i> | Administrative Use Only | <input type="checkbox"/> SPN complete and project as described conforms with all applicable requirements.              |                                 |
|  |                         | <input type="checkbox"/> SPN incomplete and/or project as described does not conform with all applicable requirements. |                                 |
|  |                         | File No.: <u>2020-00032</u>  | Reviewer's Initials: <u>RAD</u> |
|  |                         | Check No.: _____   | Amount: _____                   |

Terms in **bold font** are defined in the attached "Definition of Terms" page.

**SECTION 1 - PROJECT CRITERIA**

- a. Does the project meet all applicable Best Management Practices for Utility Maintenance (Utility BMPs) and have temporary impacts associated with inspection, maintenance, repair, replacement, or removal of existing utility facilities only within existing rights-of-way (Env-Wt 521.06(a)(1))?  Yes  No
- b. If there will be impacts to any **Priority Resource Area (PRA)**, other than **designated prime wetlands** and their **duly-established 100-foot buffers**, will the project follow recommendations provided by Natural Heritage Bureau (NHB), New Hampshire Fish and Game Department (NHF&G), and the Department (Env-Wt 521.06(a)(4))?  Yes  No  
 N/A

If you answered "No" to question 1a and/or 1b, you cannot use this form and must file a [Standard Permit Application](#) (RSA 482-A:3, XV). If you answered "Yes" to question 1a and 1b, proceed to question 1c.

- c. Will the project include establishing new access roads, installing permanent stream or **wetland** crossings, constructing new utility corridors or rights of way (ROW), or establishing new utility assets within existing corridors or rights of way (Env-Wt 521.06(a)(2))?  Yes  No
- d. Will the project include any permanent fill in navigable waters (Env-Wt 521.06(a)(3))?  Yes  No
- e. Will timber mats be:
1. Used in a tidal **marsh**; or
  2. Used in an area other than a tidal marsh if they are:
    - Not necessary to conduct activities;  Yes  No
    - Not removed as soon as work is completed; or
    - In place longer than one growing season (Env-Wt 521.06(a)(5))?
- f. Will the project cause permanent conversion of more than 3,000 SF of forested **wetlands** to emergent or **scrub-shrub wetlands** with or without temporary fill (Env-Wt 521.06(a)(6))?  Yes  No

If you answered "Yes" to questions 1c, d, e, and/or f, you cannot use this form and must file a [Standard Permit Application](#) (RSA 482-A:3, XV). If you answered "No" to all of the questions 1c-1f, continue to Section 2.





**SECTION 2 - PROPOSED PROJECT DESCRIPTION (RSA 482-A:3, XV(b)(2))**

Please provide a brief written description of the nature of the work to be conducted.

Eversource Energy is proposing to complete maintenance work on the 373 Transmission Line which crosses through portions of Londonderry, Derry, Chester, Raymond, Candia, and Deerfield, New Hampshire. In the Town of Derry, Eversource Energy is proposing access to two utility structures to support optical ground wire (OPGW) replacement. The maintenance work requires temporary wetland impacts for work pad placement and associated access.

**SECTION 3 - LOCATION OF PROPOSED ACTIVITY (RSA 482-A:3, XV(b)(3))**

Town/City: Derry

**SECTION 4 - PROJECT TYPE (RSA 482-A:3, XV(b)(2))**

Check all that apply:

|   |   |
|---|---|
| <input checked="" type="checkbox"/> Equipment repair and maintenance in ROW   | <input type="checkbox"/> Natural Gas Lines        |
| <input checked="" type="checkbox"/> Overhead Electric Lines   | <input type="checkbox"/> Water Supply Lines       |
| <input type="checkbox"/> Overhead Telephone or Cable Lines  | <input type="checkbox"/> Sewer Lines              |
| <input type="checkbox"/> Vegetative maintenance within ROW<br>(If access through private property is needed to reach the ROW, permission from the landowner(s) is required prior to conducting work.) | <input type="checkbox"/> Other: <u>          </u> |

**SECTION 5 - UTILITY PROVIDER (RSA 482-A:3, XV(b)(1))**

UTILITY PROVIDER/COMPANY NAME: Eversource Energy

AUTHORIZED REPRESENTATIVE LAST NAME, FIRST NAME, M.I.: Menendez, Jeni

MAILING ADDRESS: 13 Legends Drive

TOWN/CITY: Hooksett

STATE: NH

ZIP CODE: 03106

**SECTION 6 - IMPACTED RESOURCES (RSA 482-A:3, XV(b)(2))**

Check all that apply.

|  |
|--|
| <input checked="" type="checkbox"/> Temporary Non-Tidal Wetland                                    |
| <input type="checkbox"/> Temporary Intermittent Stream Crossing                                    |
| <input checked="" type="checkbox"/> Temporary (2-years maximum) Perennial Stream or River Crossing |

**SECTION 7 - ATTACHMENTS (RSA 482-A:3, XV)**

Verify the following attachments are submitted with this form by checking each box below.

|   |
|---|
| <input checked="" type="checkbox"/> <b>United States Geological Survey (USGS) Topographic Map</b> (at its original scale 1:24,000 or 1:25,000) with the project location(s) or utility corridor clearly identified (RSA 482-A:3, XV(b)(3)). |
|---|

[irm@des.nh.gov](mailto:irm@des.nh.gov) or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

[www.des.nh.gov](http://www.des.nh.gov)



The most recent National Wetland Inventory (NWI) map, **USGS topographic map**, or annotated aerial photograph showing wetland types crossed. See NHDES Wetland Permit Planning Tool (Env-Wt 406.03(b)(2)c.(5)).

\$400 non-refundable filing fee per town, per year. Please make check or money order payable to: Treasurer - State of NH (RSA 482-A:3, XV(d)).

The **DataCheck** identification number and an affirmation that recommendations have been received (Env-Wt 308.05(a)(2)).  
 Natural Heritage Bureau Identification ID: NHB 20 - 2342  
*Questions related to completing this process should be directed to the Natural Heritage Bureau.*

**SECTION 8 - REQUIRED CERTIFICATIONS FROM AUTHORIZED UTILITY PROVIDER REPRESENTATIVE**

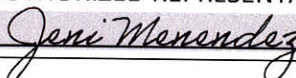
By initialing each item and signing this application, the authorized representative affirms that (Env-Wt 308.05(b)(2)):

|                        |  |
|------------------------|--|
| Initials:<br><b>JM</b> | The project is not located in a PRA, except as provided in Env-Wt 407 and Env-Wt 521 where the applicant has met with the resource agencies (NHB, NHF&G, and NHDES) in a pre-notice meeting. |
| Initials:<br><b>JM</b> | All recommendations of NHB and NHF&G have been received. And   |
| Initials:<br><b>JM</b> | The person responsible for the activity is aware of the limits of the SPN and applicable BMPs for the project, and will adhere to both.  |

By initialing each item and signing this application, the authorized representative certifies that (Env-Wt 311.11(e)):

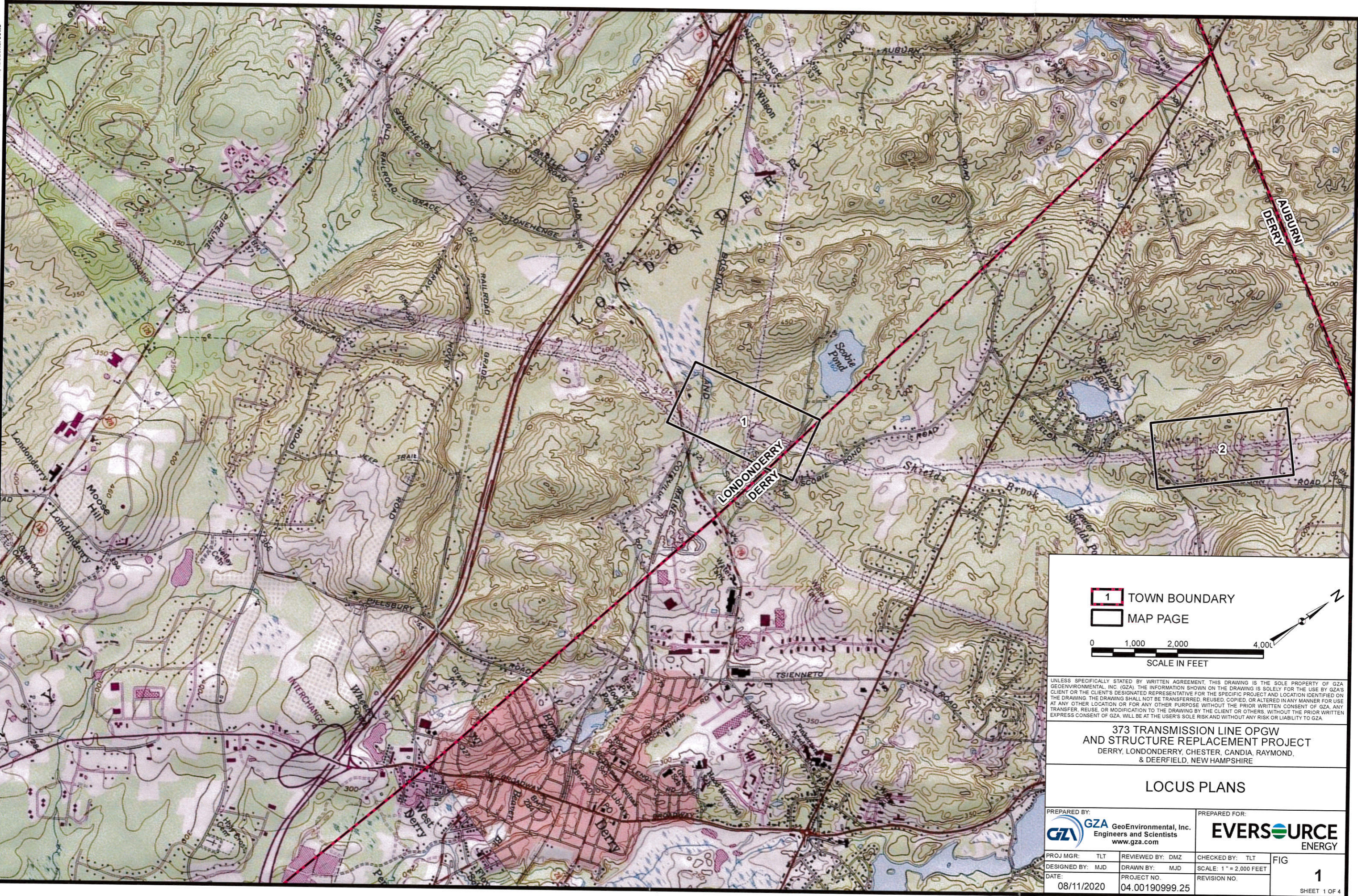
|                        |   |
|------------------------|---|
| Initials:<br><b>JM</b> | The information submitted on or within this notification is true, complete, and not misleading to the best of the signer's knowledge and belief. And  |
| Initials:<br><b>JM</b> | The signer understands that: <ul style="list-style-type: none"> <li>• The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:                         <ol style="list-style-type: none"> <li>1. Deny the application.</li> <li>2. Revoke any approval that is granted based on the information. And</li> <li>3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1.</li> </ol> </li> <li>• The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project.</li> </ul> |

**SECTION 9 - REQUIRED SIGNATURE FROM AUTHORIZED UTILITY PROVIDER REPRESENTATIVE**

|   |                                      |                    |
|---|--------------------------------------|--------------------|
| AUTHORIZED REPRESENTATIVE SIGNATURE:<br> | PRINT NAME LEGIBLY:<br>Jeni Menendez | DATE:<br>9/18/2020 |
|---|--------------------------------------|--------------------|



© 2020 - GZA GeoEnvironmental, Inc. P:\04\Jobs\1909000s\04\_0190999\_00 - EE Siting Permitting 2019-2022\04\_0190999\_25 - 373 Transmission Structure Replacement Project\373 OP&W and Str Repl Figs\MXD\373 Locus.mxd, 8/11/2020, 10:25:51 AM, lucas.lurcolite



- 1 TOWN BOUNDARY
- MAP PAGE



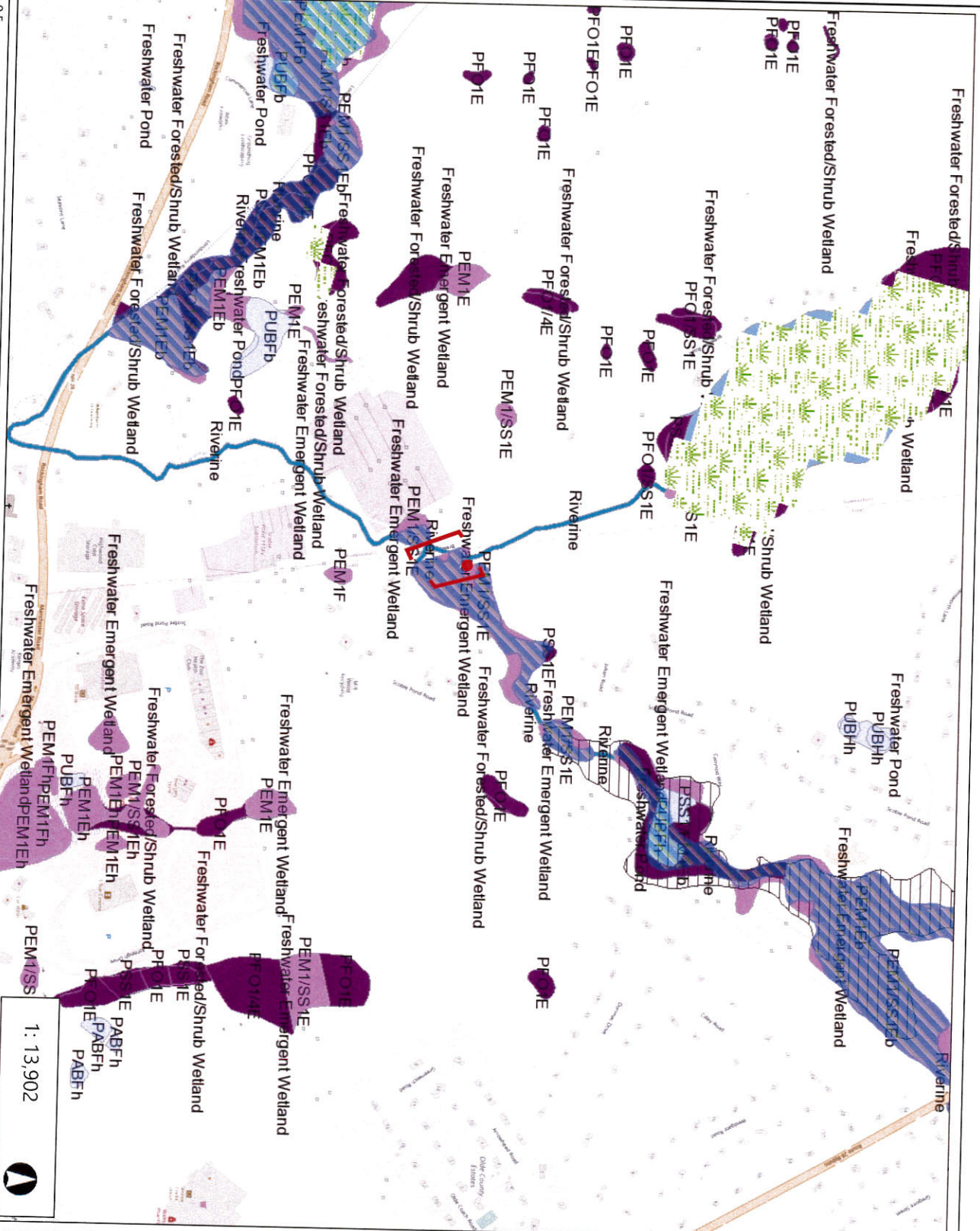
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

### 373 TRANSMISSION LINE OP&W AND STRUCTURE REPLACEMENT PROJECT DERRY, LONDONDERRY, CHESTER, CANDIA, RAYMOND, & DEERFIELD, NEW HAMPSHIRE

### LOCUS PLANS

|  |                            |  |     |
|--|----------------------------|--|-----|
| PREPARED BY:<br><b>GZA</b> GeoEnvironmental, Inc.<br>Engineers and Scientists<br>www.gza.com |                            | PREPARED FOR:<br><b>EVERSOURCE</b><br>ENERGY |     |
| PROJ MGR: TLT  | REVIEWED BY: DMZ           | CHECKED BY: TLT                              | FIG |
| DESIGNED BY: MJD   | DRAWN BY: MJD              | SCALE: 1" = 2,000 FEET                       | 1   |
| DATE: 08/11/2020   | PROJECT NO: 04.00190999.25 | REVISION NO:                                 |     |





WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
© Latitude Geographics Group Ltd.

**Legend**

- Flood Plain Wetlands Adjacent
- Prime Wetlands with 100 ft Buffer
- Prime Wetlands
- Peatlands
- NWI Plus
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- NWI
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

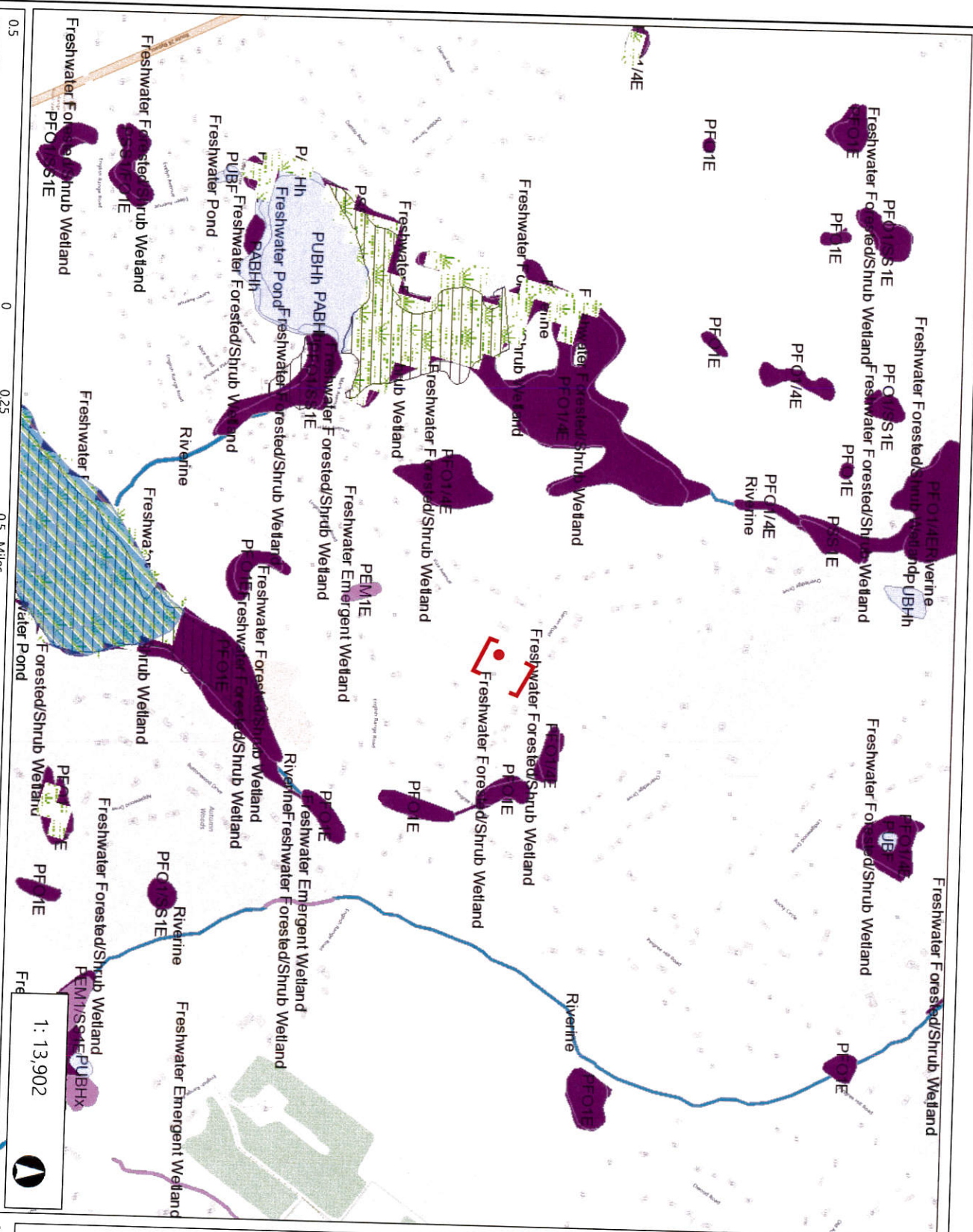
**Map Notes**

Pole locations are represented by red dots. Areas of work are limited to locations in brackets.

This map is a user generated static output from the web-based NHDES Wetlands Permit Scanning Tool and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. No map should be printed with scale 1 to less than 7,500. THIS MAP IS NOT TO BE USED FOR NAVIGATION







**Legend**

|  |                                   |
|--|-----------------------------------|
|  | Flood Plain Wetlands Adjacent     |
|  | Prime Wetlands with 100 ft Buffer |
|  | Prime Wetlands                    |
|  | Peatlands                         |
|  | NWI Plus                          |
|  | Estuarine and Marine Deepwater    |
|  | Estuarine and Marine Wetland      |
|  | Freshwater Emergent Wetland       |
|  | Freshwater Forested/Shrub Wetland |
|  | Freshwater Pond                   |
|  | Lake                              |
|  | Other                             |
|  | Riverine                          |
|  | NWI                               |
|  | Estuarine and Marine Deepwater    |
|  | Estuarine and Marine Wetland      |
|  | Freshwater Emergent Wetland       |
|  | Freshwater Forested/Shrub Wetland |
|  | Freshwater Pond                   |
|  | Lake                              |
|  | Other                             |
|  | Riverine                          |

**Map Notes**

Pole locations are represented by red dots. Areas of work are limited to locations in brackets.

This map is a user generated static output from the web-based NHDES Wetlands Permit Scanning Tool and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. No map should be printed with scale 1 to less than 7,500. THIS MAP IS NOT TO BE USED FOR NAVIGATION



## Best Management Practices (BMP's) for Straw wattles

### Definition and purpose:

Straw wattles are burlap rolls filled with straw that trap sediment and interrupt water flow by reducing slope lengths.

### Applications:

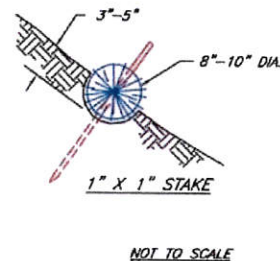
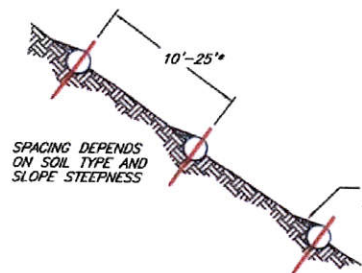
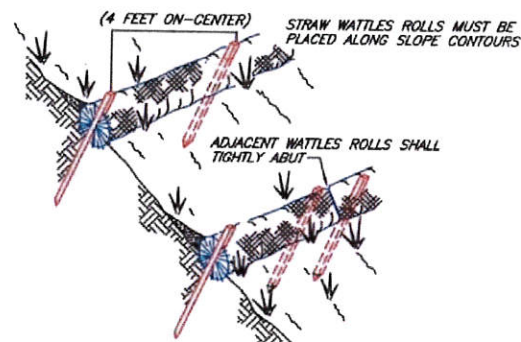
- \* Along erodible or unstabilized slopes
- \* Spread overland waterflow
- \* Trap sediment
- \* Around storm drain inlets to slow water and settle out sediment
- \* Overlap ends approximately 6 inches

### Installation:

Straw wattles are installed parallel to slope contours and perpendicular to sheet flow.

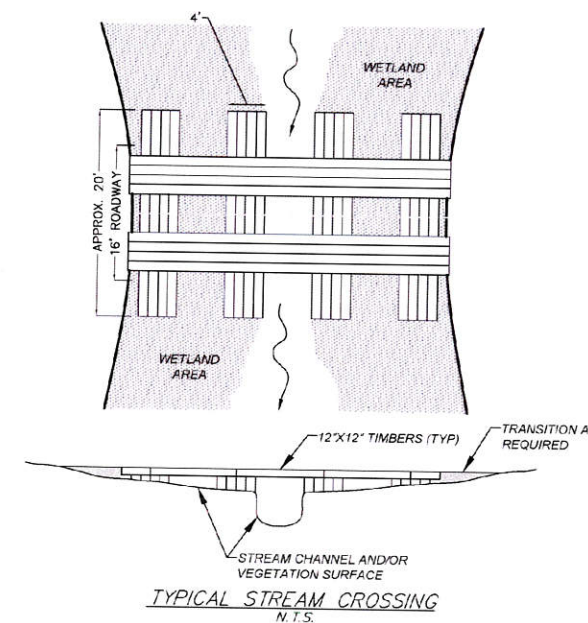
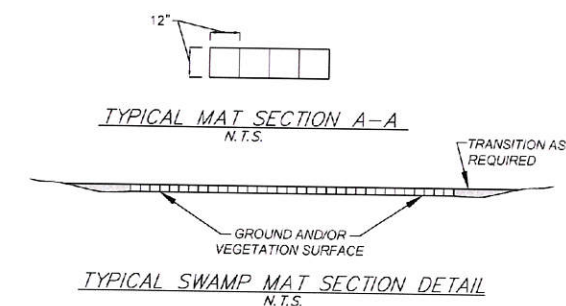
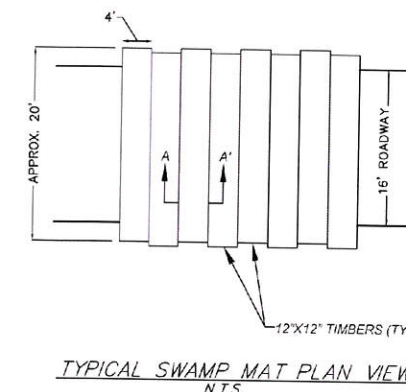
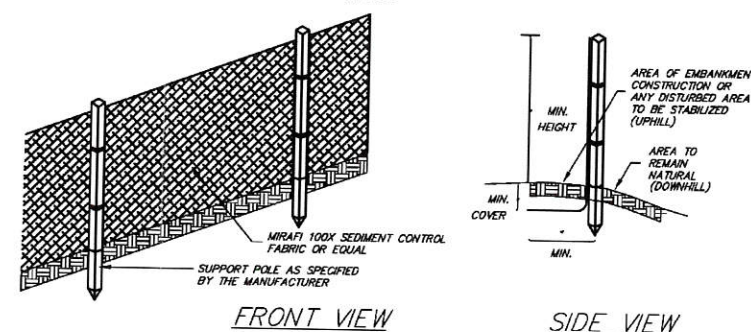
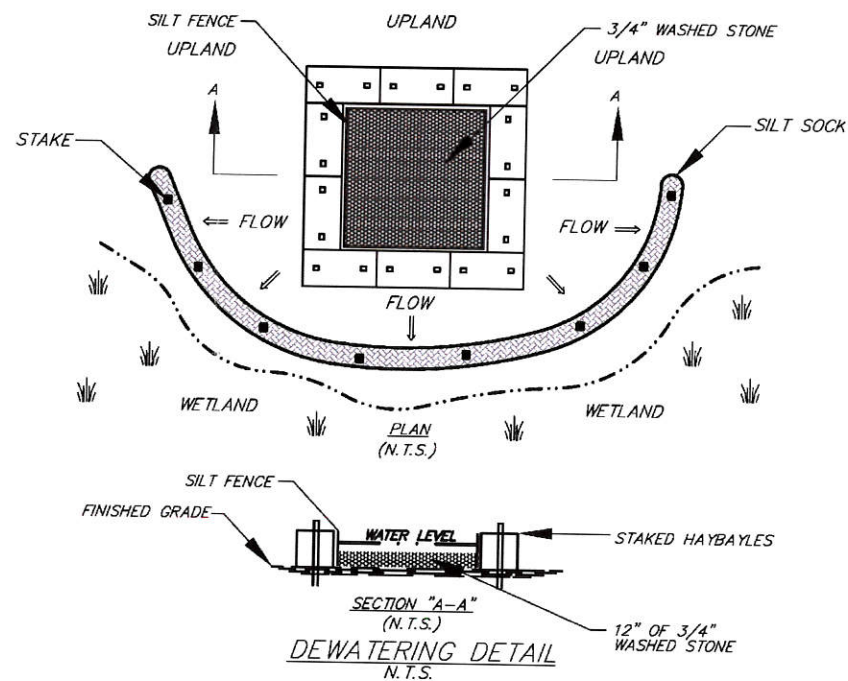
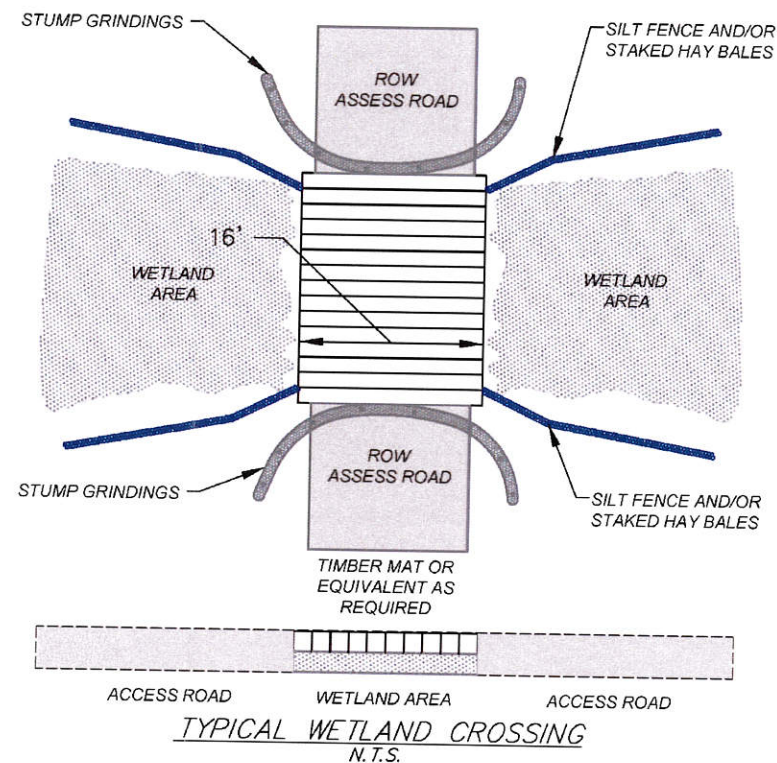
Spacing\* - Dependent on slope length, soil steepness and soil type (general range 10 - 25').

Trenching - 2"-5" inch trench  
Stacking - at each end and four foot on center (i.e. 25 foot wattle uses 6 stacks)



### NOTES (SILT FENCE)

1. THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 36 INCHES.
2. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED. SEE MANUFACTURER'S RECOMMENDATIONS.
3. POSTS SHALL BE PLACED AT A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL BE AS MANUFACTURER RECOMMENDS.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE OF THE BARRIER IN ACCORDANCE WITH RECOMMENDATIONS
5. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE, AND WILL EXTEND A MINIMUM OF 8 INCHES INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
6. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
7. FABRIC BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
8. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE DAILY DURING PROLONGED RAINFALL AND ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
10. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
11. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.



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373 TRANSMISSION LINE OPGW AND STRUCTURE REPLACEMENT PROJECT  
DERRY, LONDONDERRY, CHESTER, CANDIA, RAYMOND, & DEERFIELD, NEW HAMPSHIRE

### DETAILS

PREPARED BY:  
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PREPARED FOR:  
**EVERSOURCE**  
ENERGY

|                  |                           |                 |                   |
|------------------|---------------------------|-----------------|-------------------|
| PROJ MGR: LEW    | REVIEWED BY: DMZ          | CHECKED BY: TLT | SHEET<br><b>2</b> |
| DESIGNED BY: MJD | DRAWN BY: MJD             | SCALE:          |                   |
| DATE: 08/03/2020 | PROJECT NO. 04.0190999.25 | REVISION NO.    |                   |

