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Bedford, NH 03110
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www.gza.com



RECEIVED

APR 10 2024

April 10, 2024
File No. 04.0191410.81

Mr. Seth Creighton
Planning and Zoning Director
City of Franklin
316 Franklin Street
Franklin, New Hampshire 03235

Re: Variance Application
Eversource Energy
J125 and M127 Transmission Line Structure Replacement Project
Franklin, New Hampshire

Dear Mr. Creighton,

This letter transmits a Variance Application on behalf of Eversource Energy for the J125 and M127 Transmission Line Structure Replacement Project (see attached **Figure 1, Locus Plan**). On behalf of Eversource, GZA GeoEnvironmental, Inc. (GZA) is requesting consideration of a height variance for required utility structure (i.e., utility pole) replacements.

The proposed project involves the replacement of 142 existing wooden utility structures within the J125 Transmission Line in portions of Franklin, Tilton, Belmont and Laconia. These replacements are necessary to ensure the continued safety and reliability of the electrical infrastructure of the line. The J125 Transmission Line is located within an existing 100-ft to 225-ft wide right-of-way (ROW) that includes the L176 Transmission Line. The J125 ROW is approximately 13.5 miles in length, and extends east/northeast from the Webster Substation in Franklin to the Laconia Substation in Laconia, New Hampshire. The M127 Transmission Line right-of-way (ROW) is approximately 26 miles in length, beginning at the Webster Substation in Franklin and ending at the North Road Substation in Sunapee, New Hampshire, and crosses through portions of Sunapee, Springfield, New London, Wilmot, Andover, and Franklin.

Within the City of Franklin the J125 includes 34 wood laminate transmission line structures, of which 28 structures are proposed for replacement with weathered steel structures. Additionally, the M127 contains 18 wood laminate transmission line structures within the City of Franklin, of which 2 structures are proposed for replacement with weathered steel structures.

Maintenance of Eversource's electrical infrastructure is necessary to ensure the continued safety and reliability of the system. Replacement of the poles prior to significant deterioration to the crossarms or the poles themselves is of the utmost importance in regard to maintaining service and ensuring safety of the public. Therefore, this J125 and M127 structure replacement project is beneficial to public



health and safety. The proposed project involves the replacement of select J125 and M127 Transmission Line utility structures due to observed deterioration in structures including splitting and woodpecker damage, which threatens the integrity of structures and reliability of the line.

GZA initially delineated the wetlands within the ROW in July 2016. GZA reconfirmed wetland boundaries and conducted additional field work on July 31, August 1, 3, 8, 14, 15 and 18, 2023. The wetland delineation was conducted in accordance with the 1987 U.S. Army Corps of Engineers' (USACE) "Wetlands Delineation Manual," Technical Report Y-87-1 and the "Regional Supplement to the Corps of Engineers Wetland Delineation Manual, Northcentral and Northeast Region" as required by the New Hampshire Department of Environmental Services (NHDES) Wetlands Bureau and the USACE. The wetland delineation was conducted by GZA's New Hampshire Certified Wetland Scientists (CWS) Mr. James H. Long (CWS No. 007) and Justin T. Sherman (CWS No. 327) in 2023 (see **Figure 2 - Access and Permitting Plans**).

Four of the proposed structure replacements are currently located within a wetland and are proposed to be replaced within the same wetland to maintain the current span distance. This distance between utility poles is important due to line weight and clearance distances required by engineering design to maintain public safety. The remaining structure replacements are located in uplands. The project requires 51,379 square feet (sq. ft.) of temporary wetland impact for construction access and temporary work pad placement (see attached **Figure 2, Franklin Permitting and Impact Plans**).

Below is a summary of proposed pole heights to review in conformance with the City of Franklin height ordinance (see **Table 1**). We understand that proposed transmission line structures greater than 50 feet require a variance for height from the Zoning Board of Adjustment per Section 305-15(B) of the City Code. Please note that 28 of the 31 existing utility line structures proposed to be replaced are already greater than 50 feet. The proposed structure replacements detailed in Table 1 are required to meet current electrical code and to provide proper clearance between the conductor and shield wires for lightning protection purposes. The design must also account for uplift in wires. Uplift is a transmission and distribution line engineering and construction term describing a condition where the wire on a structure pulls upward instead of hanging down vertically, which can be detrimental to certain structure types. Uplift may occur due to a quick change in elevation of the ground and/or change in structure height of adjacent structures. The additional proposed increases in structure heights helps alleviate the elevation change and eliminate uplift related issues. The proposed structure heights are required to replace existing poles, while meeting current electrical safety standards for wire clearance and design considerations required to minimize lightning strikes.



Table 1. Summary of Current and Proposed Structure Heights associated with the J125 & M127 Transmission Lines in Franklin

Transmission Line	Structure Number	Work Description	Existing Height (feet)	Proposed Height (feet)	Proposed Change (feet)
J125	1	Structure Replacement	43.5	52	8.5
J125	2	Structure Replacement	47.5	52	4.5
J125	4	Structure Replacement	59.8	66	6.2
J125	5	Structure Replacement	60.7	66	5.3
J125	7	Structure Replacement	74	75	1.0
J125	8	Structure Replacement	64.5	75	10.5
J125	9	Structure Replacement	65.8	70	4.2
J125	10	Structure Replacement	73.1	75	1.9
J125	11	Structure Replacement	60	75	15.0
J125	12	Structure Replacement	66.2	70	3.8
J125	17	Structure Replacement	62.3	75	12.7
J125	18	Structure Replacement	73	75	2.0
J125	19	Structure Replacement	81.8	84	2.2
J125	20	Structure Replacement	79	84	5.0
J125	21	Structure Replacement	64.7	75	10.3
J125	22	Structure Replacement	66.7	70	3.3
J125	23	Structure Replacement	65.3	70	4.7
J125	24	Structure Replacement	59.5	75	15.5
J125	25	Structure Replacement	74	84	10.0
J125	26	Structure Replacement	65.5	70	4.5
J125	27	Structure Replacement	60.5	66	5.5
J125	28	Structure Replacement	70	79	9.0
J125	29	Structure Replacement	64.9	79	14.1
J125	30	Structure Replacement	65.5	66	0.5
J125	31	Structure Replacement	78	89	10.5
J125	32	Structure Replacement	74	75	1.0
J125	33	Structure Replacement	74.2	84	9.8
J125	34	Structure Replacement	60.8	66	5.2
M127	1/2	Structure Replacement	60	70	10
M127	1	Structure Replacement	55	61	6

As required, the following Variance Application has been submitted to the Zoning Board of Adjustment as part of project review. In accordance with the City of Franklin Zoning Ordinance Article III, 305-15, a Variance may be issued based on the following considerations:



- A. The Variance will not be contrary to the public interest.** The project proposes to maintain existing transmission lines within an existing and maintained ROW corridor, and does not propose changes in land use, or additional utility lines not already present. Upon inspection of the existing J125 and M127 Transmission Lines, it was determined that several structures are in need of replacement due to age and/or environmental damage. The maintenance of these lines falls under the classification of an Essential Service as defined by Article I, 305-3 of the City of Franklin Zoning Ordinance. An Essential Service is defined as “The erection, construction, alteration or maintenance by public utilities or municipal or other governmental agencies of underground or overhead gas, electrical, steam, water or communications transmission or distribution systems, including poles, wires...And other similar equipment and accessories in connection therewith, but not including buildings, reasonably necessary for the furnishing of adequate service by such public utilities or municipal or other governmental agencies for the public health or safety or general welfare.”
- B. The Variance is consistent with the Spirit of this Ordinance.** The proposed project is consistent with the definition of an “Essential Service” as defined by Article I, 305-3 and referenced above. The proposed project is necessary to ensure safety and reliability of the J125 and M127 Transmission Lines and will allow it to continue to meet current as well as future projected electricity demands.
- C. Substantial justice is done.** The proposed project involves the replacement of select structures along an existing transmission line. It will not change the alignment within the existing and maintained transmission line ROW and will not result in a change in land use, increased ROW, or additional utility lines. Twenty-eight of the existing heights of the J125 and M127 Transmission Line utility structures identified for replacement already exceed the height variance of 50 feet, and all proposed heights must exceed 50 feet out of necessity to maintain required line clearance distances as mandated by current electric code. The proposed changes are relatively small compared to the existing structure heights and are required to maintain required clearance distances to the ground.
- D. The value of surrounding properties will not be diminished.** The proposed project maintains existing utility lines within an existing and maintained transmission line ROW. There are no proposed changes to surrounding land use, the ROW width will not increase, and there will be no new additional utility lines. The current land use will not change as a result of the project.
- E. No fair or substantial relationship exists between the general public purposes of the ordinance provision and the specific application of that provision to the property.** The provisions of the City of Franklin Zoning Ordinance, per Article I, 305-1, includes providing for adequate public services and promote safety for the general public. The proposed project is necessary to both provide adequate public service and promote safety for the general public. The J125 and M127 Transmission Lines directly serve the needs of the public by providing electrical transmission. Upon inspection of the J125 and M127 Transmission Lines, it was determined that several structures were damaged and in need of replacement. These structures must be replaced in order to ensure public safety and provide adequate public services.
- F. The proposed use is a reasonable one.** As previously mentioned, the proposed project will replace select structures on the existing J125 and M127 Transmission Line within the existing and maintained transmission line ROW corridor and in the same alignment. The current land use of the transmission line ROW corridor will not change as a result of the project. The width of the ROW will not change, and no new additional lines will be built. The project is necessary to promote safety and reliability of the J125 and M127 Transmission Lines and will allow it to meet current electricity demands. We appreciate the City’s time in reviewing the project’s conformance to City Code.



Please feel free to contact us with any questions.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Justin Sherman, CWS, CESSWI
Field Scientist

Conor Madison, CPESC, CESSWI
Project Manager

Tracy Tarr, CWS, CWB, CESSWI
Associate Principal

Deborah M. Zarta Gier, CNRP
Consultant/Reviewer

JTS/CEM/TLT

- Attachments:
- Variance Application Form
 - List of Abutters
 - Figure 1 – Locus Plan
 - Figure 2 – Permitting and Impact Plans
 - Application Fee

Variance Application Form

New Map# _____
Map/Lot # _____

Office use only

Application # _____
Date Submitted: _____

**Application for Appeal
Zoning Board of Adjustment (ZBA), Franklin, New Hampshire**

VARIANCE

Please complete the entire application. Failure to do so will delay processing it. Nine (9) color copies of the completed application and all supporting information, collated into 9 individual packets, must be submitted by the Deadline Date in order for your appeal to be heard at the next meeting of the Zoning Board.

PRINT legibly and in INK. The application must be signed and dated. The owner must sign the application or a letter of authorization from the owner must be attached. ***You must be present at the meeting to speak for your application.***

This application is to be completed by anyone requesting a use or area VARIANCE from the ZBA. A variance is a relaxation or a waiver of any provision of the ordinance authorizing the landowner to use his or her land in a manner that would otherwise violate the ordinance and may be granted by the board of adjustment on appeal.

1. Location of the property for which the appeal is being applied:

Street Address: Eversource Right-of-Way

	Owner	Person Completing Application
2. Name:	<u>Eversource Energy</u>	<u>GZA GeoEnvironmental, Inc.</u>
	<u>Attn: Ashley Friend</u>	<u>Attn: Conor Madison</u>
Address:	<u>13 Legends Drive</u>	<u>5 Commerce Park North</u>
City/State/Zip:	<u>Hooksett, NH, 03106</u>	<u>Bedford, NH 03110</u>
Phone #:	<u>603-634-2992</u>	<u>603-232-8784</u>
Email:	<u>ashley.friend@eversource.com</u>	<u>conor.madison@gza.com</u>

3. Zoning Classification: I-1, R-1, R-2, RS, B-1

4. Briefly describe the PROPOSED project, be specific:

Eversource is proposing the replacement of 34 transmission line structures on the J125 transmission line and two transmission line structures on the M127 transmission line.

5. Please attach to the application a plot plan, on an 8 1/2 x 11 sheet of paper, or survey plan that shows: the existing property lines; all existing and the proposed structure(s) and their setbacks from the property lines for both; any wetlands, ledge, flood area, septic systems, or other features that limit where the proposed structure(s) can be placed on the property. The Board reserves the right to require a formal survey plan to assist in the consideration of the application request.

6. Site has (Check appropriate response): City Water City Sewer Well Septic

7. Was a Variance previously granted for this site: Yes No

Please respond to whether the following is a true statement or a false statement and EXPLAIN your answers in DETAIL:

B. A variance may be granted if all the following criteria are met:

1. The Variance will not be contrary to the public interest: True False

Please see attached

2. The Variance is consistent with the Spirit of the Ordinance: True False

Please see attached

3. Substantial Justice is done: True False

Please see attached

4. The Value of Surrounding properties are not diminished: True False

Please see attached

5. Literal enforcement of the provisions of the ordinance would result in an unnecessary hardship.

A. For purposes of this subparagraph, "unnecessary hardship" means that, owing to special conditions of the property that distinguish it from other properties in the area:

i. No fair and substantial relationship exists between the general public purposes of the ordinance provision and the specific application of that provision to the property; and True False

Please see attached

ii. The proposed use is a reasonable one. True False


Please see attached

B. If the criteria in subparagraph (A) are not established, an unnecessary hardship will be deemed to exist if, and only if, owing to special conditions of the property that distinguish it from other properties in the area, the property cannot be reasonably used in strict conformance with the ordinance, and a variance is therefore necessary to enable a reasonable use of it. True False

Your application is incomplete unless the following are submitted:

- i. Letter of authorization, if you are not the owner;
- ii. Plot Plan sketch (refer to Letter A #8);
- iii. Abutter's List, blank form attached; and,
- iv. All fees are paid.

Note: The Zoning Administrator and/or the Zoning Board may require more information if necessary and may request a Site Visit to your property.


Signature of Applicant

4/10/24
Date

Office Use Only:			
Date of Submission:	<u>4/10/24</u>	Fee Collected <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Form of Pymt: <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check # <u>701182</u>
Date of hearing:	_____	Amount Paid	<u>\$2360.00</u>
Decision:	<input type="checkbox"/> Granted <input type="checkbox"/> Denied	Date Notice sent to applicant:	_____
Comments, if Any:	_____		



CITY OF FRANKLIN, NEW HAMPSHIRE

"The Three Rivers City"

Planning and Zoning
316 Central Street
Franklin, New Hampshire 03235

Phone: (603) 934-2341
screighton@franklinnh.org

ABUTTERS LIST

Applicant information:

Printed Name: Eversource Energy, Attn: Ashley Friend Contact Telephone: 603-634-2992

Address: 13 Legends Drive, Hooksett, NH 03106

Table with 4 columns: Map, Lot, Name, Address. Contains entries for Eversource Energy and GZA GeoEnvironmental, Inc.

Table with 4 columns: Map, Lot, Name, Address. Header: Abutter(s) Information. Content: Please See Attached.

I, the undersigned Ashley Friend, certify that to the best of my knowledge the above is an accurate and complete abutters list.

Handwritten signature of Ashley Friend

4/10/24

Applicant Signature

Date

672:3 Abutter. - "Abutter" means any person whose property is located in New Hampshire and adjoins or is directly across the street or stream from the land under consideration by the local land use board.

List of Abutters



J125 Transmission Line Structure Replacement Project
Eversource Energy
Abutters List
Franklin, New Hampshire

Wetland Scientist

GZA GeoEnvironmental, Inc.
 Attn: Tracy Tarr, CWS, CWB, CESSWI
 5 Commerce Park North, Suite 201
 Bedford, NH 03110

Owner

Tax Map 000076-000001-000000,
000076-000142-000000, 000076-
000408-000000, 000077-000026-
000000, 000097-000066-000000
 Public Service Company of NH
 D/B/A Eversource Energy
 PO Box 270
 Hartford, CT 06141

Tax Map 000097-000083-000000,
000097-000084-000000, 000097-
000085-000000, 000097-000102-
000000, 000116-000151-000000,
000116-000163-000000, 000133-
000017-000000, 000133-000412-
000000, 000076-000081-000000,
000076-000143-000000, 000076-
000152-000000 & 000076-000153-
000000, 000076-000154-000000,
000096-000055-000000, 000097-
000404-000000, 000115-000404-
000000, 000116-000156-000000,
000116-000157-000000, 000116-
000171-000000

City of Franklin
 316 Central Street
 Franklin, NH 03235

Tax Map 000096-000404-000000

Dionne, Robert P. Jr. & Theresa A.
 25 Nelson Street
 Franklin, NH 03235

Tax Map 000097-000076-000000

Lawrence, Jason F.
 20 Nelson Street
 Franklin, NH 03235

Tax Map 000097-000077-000000

Fredrick Lee III, Sena
 57 Colby Road
 Tilton, NH 03276

Tax Map 000097-000078-000000

Brumbaugh, Walter E. & Tammy
 41 Nelson Street
 Franklin, NH 03235

Tax Map 000097-000079-000000

Smith, Peter R. & Deborah J.
 42 Nelson Street
 Franklin, NH 03235

Tax Map 000097-000080-000000

Bradish, Sonja & Dennis B.
 38 Nelson Street
 Franklin, NH 03235

Tax Map 000097-000081-000000

Cate, Cara A.
 34 Nelson Street
 Franklin, NH 03235

Tax Map 000097-000082-000000

Piper, Nicole Lee
 Foster, Darcy Marie
 30 Nelson Street
 Franklin, NH 03235

Tax Map 000145-000403-000003 &
000145-000403-000004 & 000145-
000403-000004

Smith Rev Trust, Judy A.
 Smith Ttee, Judy A.
 733 Ocean BLVD, Rye, 03870

Tax Map 000115-000036-000000

Walker, Edward M. Jr. & Susan M.
 47 Liberty Ave
 Franklin, NH 03235

Tax Map 000115-000080-000000

Reed, Bonnie S.
 45 Liberty Avenue
 Franklin, NH 03235

Tax Map 000115-000081-000000

Weaver, Victor W. III & Kelly A.
 41 Liberty Avenue
 Franklin, NH 03235

Tax Map 000115-000082-000000

Labrecque Trust
 37 Liberty Ave.
 Franklin, NH 03235

Tax Map 000115-000083-000000

Myers, David A. & Shantol
 29 Liberty Ave
 Franklin, NH 03235

Tax Map 000115-000084-000000

Willey Rev Trst of 2022, Steven
 Willy Ttees, Steven G. & Deb
 27 Liberty Avenue
 Franklin, NH 03235



J125 Transmission Line Structure Replacement Project

**Eversource Energy
Abutters List
Franklin, New Hampshire**

Tax Map 000115-000085-000000
Desrochers, Robert E. Sr.
PO Box 391
Franklin, NH 03235

Tax Map 000115-000086-000000
Laquidara, Christopher
23 Liberty Avenue
Franklin, NH 03235

Tax Map 000115-000087-000000
Sharlow, Philip M.
19 Liberty Avenue
Franklin, NH 03235

Tax Map 000116-000105-000000
Beck, Eliza S. Rae & Corey M.
33 Freedom Drive
Franklin, NH 03235

Tax Map 000116-000106-000000
Vaughn, Richard E. & Nancy T.
43 Freedom Drive
Franklin, NH 03235

Tax Map 000116-000107-000000
Jones, James J. & Joy L.
51 Freedom Drive
Franklin, NH 03235

Tax Map 000116-000108-000000
North, Charles L.
55 Freedom Drive
Franklin, NH 03235

Tax Map 000116-000109-000000
Talbert, Donna J
57 Freedom Drive
Franklin, NH 03235

Tax Map 000133-000172-000000
Glover, Jacquelynn R.
114 Babbit Road
Franklin, NH 03235

Tax Map 000133-000010-000000
Kreis, Kristi Judith
60 Independence Avenue
Franklin, NH 03235

Tax Map 000132-000030-000000
Lewis, Candy
Mattson, Anthony
56 Calef Hill Road
Franklin, NH 03235

Tax Map 000132-000406-000000
Mountain View Estates MHC, LLC
20 Mountain View Drive
Franklin, NH 03235

Tax Map 000133-000001-000000
Prospering Properties, LLC
36 Governor Dinsmore Road
Windham, NH 03087

Tax Map 000133-000004-000000
Robie Irrevocable Trust, Denis
Mottat – Ttee, Marcia K.
PO Box 45
Hill, NH 03243

Tax Map 000133-000008-000000
Zelonis Rev Trust, William & S.
Zelonis Ttees, William J. Susan
55 Liberty Avenue
Franklin, NH 03235

Tax Map 000133-000009-000000
Moreshead, Jennifer & Thomas
2 Burnside Ave
Seekonk, MA 02771

Tax Map 000133-000012-000000
Russel, April
26 Goonan Road
Hooksett, 03106

Tax Map 000133-000016-000000
Proulx, Gary M. & Maryanne M.
PO Box 52
Franklin, NH 03235

Tax Map 000132-000001-000000
Bean, Michael L.
88 Calef Hill Road
Franklin, NH 03235

Tax Map 000133-000019-000000
Northeast Comm Corporation
WFTN Radio PO Box 941
Franklin, NH 03235

Tax Map 000133-000020-000000
Sutcliffe, Norma M.
Talbert, Donna J.
235 Sanborn Street
Franklin, NH 03235

Tax Map 000133-000023-000000
Pierce, Edward J. & Sherrie L.
51 Liberty Avenue
Franklin, NH 03235

Tax Map 000133-000025-000000
Thayer, Dale Allen & Mary Jane
100 Babbitt Road
Franklin, NH 03235

Tax Map 000133-000028-000000
Barbrie, Michele Y.
150 Chestnut Street
Franklin, NH 03235



J125 Transmission Line Structure Replacement Project

Eversource Energy Abutters List Franklin, New Hampshire

Tax Map 000133-000033-000000 & 000133-000034-000000

Red Oak Montessori School, Inc.
241 Sanborn Street
Franklin, NH 03235

Tax Map 000133-000135-000000

Cote, Jane H. & Adam L.
253 Sanborn Street
Franklin, NH 03235

Tax Map 000133-000036-000000

Hameon, William A. & Marie B.
51 Freedom Drive
Franklin, NH 03235

Tax Map 000133-000037-000000

Defosses Family Trust, Robert
Defosses Trustees, Robert M.
PO Box 305
Franklin, NH 03235

Tax Map 000133-000100-000000

Franklin Cemetery Associations
83 Thompson Park
Franklin, NH 03235

Tax Map 000133-000101-000000 & 000133-000101-000001, 000146-000001-000000

Laughy Family Trust, The Dean
Laughy – Co-Ttees, Dean E. & Su
1 Shannon Road
Franklin, NH 03235

Tax Map 000133-000108-000000 & 000133-000114-000000

Hill, David T. & Theresa M.
36 Ridge Farm Lane
Franklin, NH 03235

Tax Map 000133-000112-000000

Daigneault, George J. Madeline Y.
208 Sanborn Street
Franklin, NH 03235

Tax Map 000133-000115-000000

LaFlamme, Robert E. & Karen D.
PO Box 211
Franklin, NH 03235

Tax Map 000133-000116-000000

Pratt, Jay F. & Cathy M.
58 Babbit Road
Franklin, NH 03235

Tax Map 000133-000119-000000

Lepene, Richard L. & Cathy A.
3 Meadow Drive
Franklin, NH 03235

Tax Map 000133-000401-000000

Moody Irrevocable Trust, Annet
Moody-Trustee, Arthur E.
98 Nashua Street
Woburn, MA 01801

Tax Map 000133-000403-000000

Barry, Brian D.
65 Babbit Road
Franklin, NH 03235

Tax Map 000133-000404-000000

Barbuto Revocable Trust, The J.
Barbuto – Ttee, John E.
260 Sanborn Street
Franklin, NH 03235

Tax Map 000133-000406-000000

Velasquez, Cynthia
94 Babbitt Road
Franklin, NH 03235

Tax Map 000133-000406-000000

Remillard, Jason M. & Jennifer A.
96 Babbit Road
Franklin, NH 03235

Tax Map 000133-000407-000000 & Tax Map 000133-000408-000000

Carson, Christopher A & Angela M.
7 Calef Hill Road
Franklin, NH 03235

Tax Map 000116-000172-000000

Glover, Diane M.
255 Victory Drive
Franklin, NH 03235

Tax Map 000134-000406-000000

Vey, William
11 Ruthven Street
Quincy, MA 02171

Tax Map 000145-000001-000000

The Cole Family Trust
Cole – Ttees, Daniel S. & Tammy
PO Box 113
Franklin, NH 03235

Tax Map 000116-000117-000000

Worster, Chelsea & Mitchell
278 Victory Drive
Franklin, NH 03235

Tax Map 000146-000402-000000

Hebert Manufacturing Co, Inc
Attn: Richard Hebert - President
113 Fair Street
Laconia, NH 03246

Tax Map 000146-000403-000000

Chrostowski Homestead Trust
Chrostowski – Ttees, L. & C.
15 Shannon Road
Franklin, NH 03235

Tax Map 000147-000404-000000

Sun Development Group, LLC
75-4 Main Street Suite 300
Plymouth, NH 03264



J125 Transmission Line Structure Replacement Project
Eversource Energy
Abutters List
Franklin, New Hampshire

Tax Map 000147-000406-000000
Russo, Amanda
Tavares, Colby N.
309 Sanborn Street
Franklin, NH 03235

Tax Map 000116-000150-000000
1999 Family Trust, The Wadden
Simmons - Successor Ttee,
Wadden
38 S Sulloway Street
Franklin, NH 03235

Tax Map 000076-000002-000000
New Hampshire Electric CO-OP
579 Tenney Mountain Highway
Plymouth, NH 03264

Tax Map 000076-000003-000000,
000077-000402-000000
Garneau, Joseph A.
Cohen, Mary
PO Box 24
Franklin, NH 03235

Tax Map 000076-000004-000000
Pelletier, Susan
Baker, Brian J.
3 Garneau Road
Franklin, NH 03235

Tax Map 000076-000005-000000
Peirce, Christopher R. & Teresa S.
2 Garneau Road
Franklin, NH 03235

Tax Map 000076-000080-000000
Benson, Jeremy Lee
10 Colby Avenue
Franklin, NH 03235

Tax Map 000116-000117-000000
Potter, Francis
19 South Sulloway Street
Franklin, NH 03235

Tax Map 000076-000130-000000
Reinford, Sheila M. & Alan F.
1309 Bay Road
Amherst, MA 01002

Tax Map 000116-000113-000000
Jefferey & Niven Family Trust, The
Jefferey A. Lyn Niven - Ttees
17 South Sulloway Street
Franklin, NH 03235

Tax Map 000116-000112-000000
Freni, Joseph J. Jr. & Deborah L.
2 Freedom Drive
Franklin, NH 03235

Tax Map 000076-000144-000000
Gilliland, Kenneth A.
Pinette, Michelle
65 Webster Lake Road
Franklin, NH 03235

Tax Map 000076-000145-000000
Hernandez, Ivone
Ritter, Maurice A.
101 Webster Lake Road
Franklin, NH 03235

Tax Map 000076-000146-000000
Bond, Joshua K. & Shannon N.
125 Webster Lake Road
Franklin, NH 03235

Tax Map 000076-000147-000000
Ritter, Maurice A.
Hernandez-Ritter, Ivone E.
101 Webster Lake Road
Franklin, NH 03235

Tax Map 000076-000148-000000
Hill, James J.
94 Woodridge Road
Franklin, NH 03235

Tax Map 000076-000149-000000
Capri, Frank & Ruth L.
136 Webster Lake Road
Franklin, NH 03235

Tax Map 000076-000150-000000
Denauw, Steven John & Sharon Lynn
146 Webster Lake Road
Franklin, NH 03235

Tax Map 000076-000151-000000
Defelice, Michael
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Franklin, NH 03235

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Lees, Jason
15 Glory Avenue
Franklin, NH 03235

Tax Map 000116-000100-000000
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12 Freedom Drive
Franklin, NH 03235

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Stephenson, Linda S.
37 Lake Avenue
Franklin, NH 03235

Tax Map 000077-000020-000000
Bryson, Jean
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Franklin, NH 03235



J125 Transmission Line Structure Replacement Project

Eversource Energy Abutters List Franklin, New Hampshire

Tax Map 000077-000021-000000
Donahue Family Trust, Stephen
Donahue – Trustee, Stephen R.
118 Range Road
Franklin, NH 03235

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Waltos, Brian L. & Patricia R.
9 Patriot Avenue
Franklin, NH 03235

Tax Map 000077-000027-000000
Therault, Jan M. & Jane L.
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Franklin, NH 03235

Tax Map 000077-000420-000001
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Turner III, Andrew C. & Rebecca
47 Lawson Avenue
Franklin, NH 03235

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Dascoulias – Ttee, George R.
63 Daniel Webster Drive
Franklin, NH 03235

Tax Map 000096-000073-000000
Horn, Joseph P. & Christina A.
55 Lawndale Avenue
Franklin, NH 03235

Tax Map 000096-000076-000000
Gerow, Marice L.
50 Lawndale Avenue
Franklin, NH 03235

Tax Map 000096-000079-000000
Hosmer, Sharon A.
10 Lawson Avenue
Franklin, NH 03235

Tax Map 000077-000022-000000
Seavey, Joseph A.
25 Carr Street
Franklin, NH 03235

Tax Map 000077-000025-000000
Chaudhary, Sarfraz
202 Victory Drive
Franklin, NH 03235

Tax Map 000116-000098-000000
Davis, Alan H. Jr & Christine M.
20 Freedom Drive
Franklin, NH 03235

Tax Map 000096-000005-000001
Gaudette, Esaundra L B
15 Sturtevant Street
Franklin, NH 03235

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Bassard – Ttee, Janet T.
22 Freedom Drive
Franklin, NH 03235

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Lees III, George E.
Lees, Marie C.
57 Lawndale Avenue
Franklin, NH 03235

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Boucher Rev Trust, Sarah M.
Bouche Ttee, Sarah M.
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Appolo, Michaela Ann
Bourbeau, Joshua James
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Franklin, NH 03235

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Franklin, NH 03235

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Franklin, NH 03235

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59 Allens Mill Road
Gilmanton, NH 03237

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Brizzer – Trustee, Clifford J.
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Franklin, NH 03235

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Miller, Nikki
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Franklin, NH 03235

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Manchester, NH 03102

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Ingram, Laura
8 Lawson Avenue
Franklin, NH 03235

Tax Map 000096-000083-000000
Roman Catholic Bishop
PO Box 490
Franklin, NH 03235



J125 Transmission Line Structure Replacement Project

**Eversource Energy
Abutters List
Franklin, New Hampshire**

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Franklin, NH 03235

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Franklin, NH 03235

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Cheney, Daniel
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Tax Map 000096-000087-000000

Wilcox, Robert F. & Sharon L.
73 Lawndale Avenue
Franklin, NH 03235

Tax Map 000096-000088-000000

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Barker – Ttee, Robert W.
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Danbury, NH 03230

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Dussault, Michael A. & Esther M.
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Franklin, NH 03235

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Lowell, MA 01851

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Gauthier – Ttees, Gerald J & C
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Franklin, NH 03235

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SR Revocable Trust, The Seavy
Seavy Sr. – Ttee, Joseph A.
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Franklin, NH 03235

Tax Map 000096-000102-000000

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Concord, NH 03302

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Franklin, NH 03235

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Franklin, NH 03235

Tax Map 000096-000123-000000

Boisvert, Danielle J. & Garret J.
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Franklin, NH 03235

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Cross – Ttee, Donald M. & Alli
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Franklin, NH 03235

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Adams, Jeanne C.
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Franklin, NH 03235

Tax Map 000096-000401-000001

Ayer, Kimberly Ann & Christian Brett
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Franklin, NH 03235

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Franklin, NH 03235

Tax Map 000097-000001-000000

Chainey, Ronald J. Sr. & Katherine B.
309 North Main Street
Franklin, NH 03235



J125 Transmission Line Structure Replacement Project

**Eversource Energy
Abutters List
Franklin, New Hampshire**

Tax Map 000097-000056-000000

JCB, LLC
76 South Main Street
Concord, NH 03301

**Tax Map 000097-000057-000000,
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Hendo Properties, LLC
381 Prospect Street
Franklin, NH 03235

Tax Map 000097-000059-000000

Harding-Conkey, Meghan S.
214 North Main Street
Franklin, NH 03235

Tax Map 000097-000060-000000

Webster Place, Properties, LLC
11 Webster Place
Boscawen, NH 03235

Tax Map 000097-000061-000000

Mclaughlin, Diane
3891 River Road
Plymouth, NH 03264

Tax Map 000097-000062-000000

Nowell Sr., Patrick A.
242 North Main Street
Franklin, NH 03235

Tax Map 000116-000093-000000

Bowie, Richard M.
33 Glory Avenue
Franklin, NH 03235

Tax Map 000097-000065-000000

Tully Rev Trust, Donna M.
Tully Ttee, Donna M.
PO Box 122
Franklin, NH 03235

Tax Map 000116-000083-000000

Collins, James C.
8 Patriot Avenue
Franklin, NH 03235

**Tax Map 000097-000067-000000 &
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Franklin, NH 03235

Tax Map 000097-000069-000000

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Therrian, David
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Franklin, NH 03235

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Bedford, NH 03110

Tax Map 000097-000071-000000

Central River Powers NH, LLC
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Manchester, NH 03101

Tax Map 000097-000072-000000

Mercantile Place, LLC
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Plymouth, NH 03264

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Manchester, NH 03101

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Franklin, NH 03235

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East Point Properties, Inc
5A East Point Drive
Bedford, NH 03110

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Franklin, NH 03235

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Farmer, Christine D.
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Franklin, NH 03235

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Dougherty, Michael J.
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Franklin, NH 03235



J125 Transmission Line Structure Replacement Project
Eversource Energy
Abutters List
Franklin, New Hampshire

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James S. & Lovering – Co-Ttees
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Schneider – Ttees, Alan C. & An
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Titusville, FL 32796

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JT & Swain Chapin - Swain - Ttee
PO Box 587
Tilton, NH 03276

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Duford – Ttee, JT & Chapin
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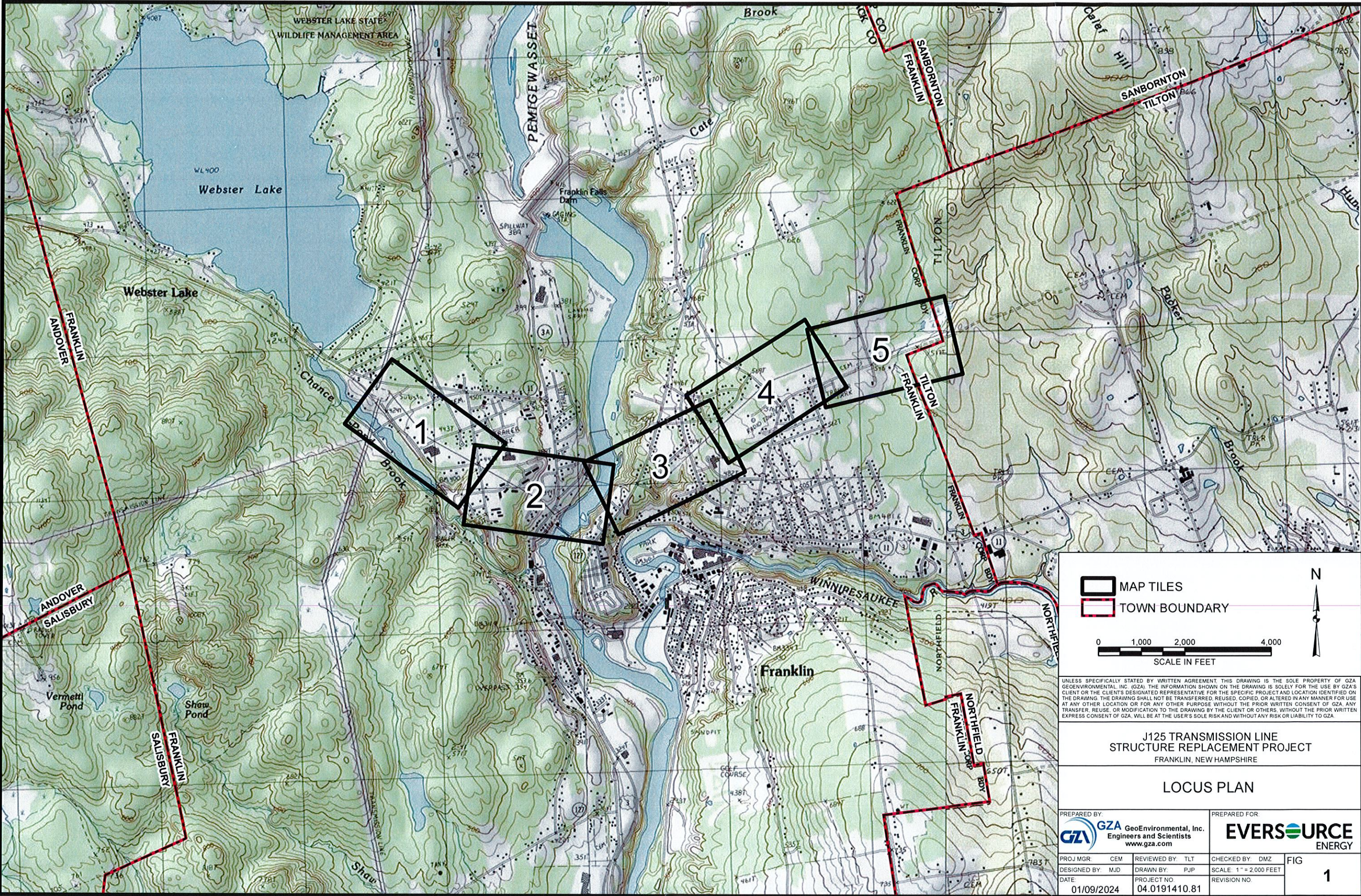
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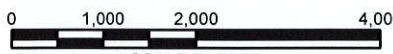
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7 Patriot Avenue
Franklin, NH 03235


Figure 1 – Locus Plan

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 MAP TILES
 TOWN BOUNDARY


 SCALE IN FEET



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**J125 TRANSMISSION LINE
STRUCTURE REPLACEMENT PROJECT**
FRANKLIN, NEW HAMPSHIRE

LOCUS PLAN



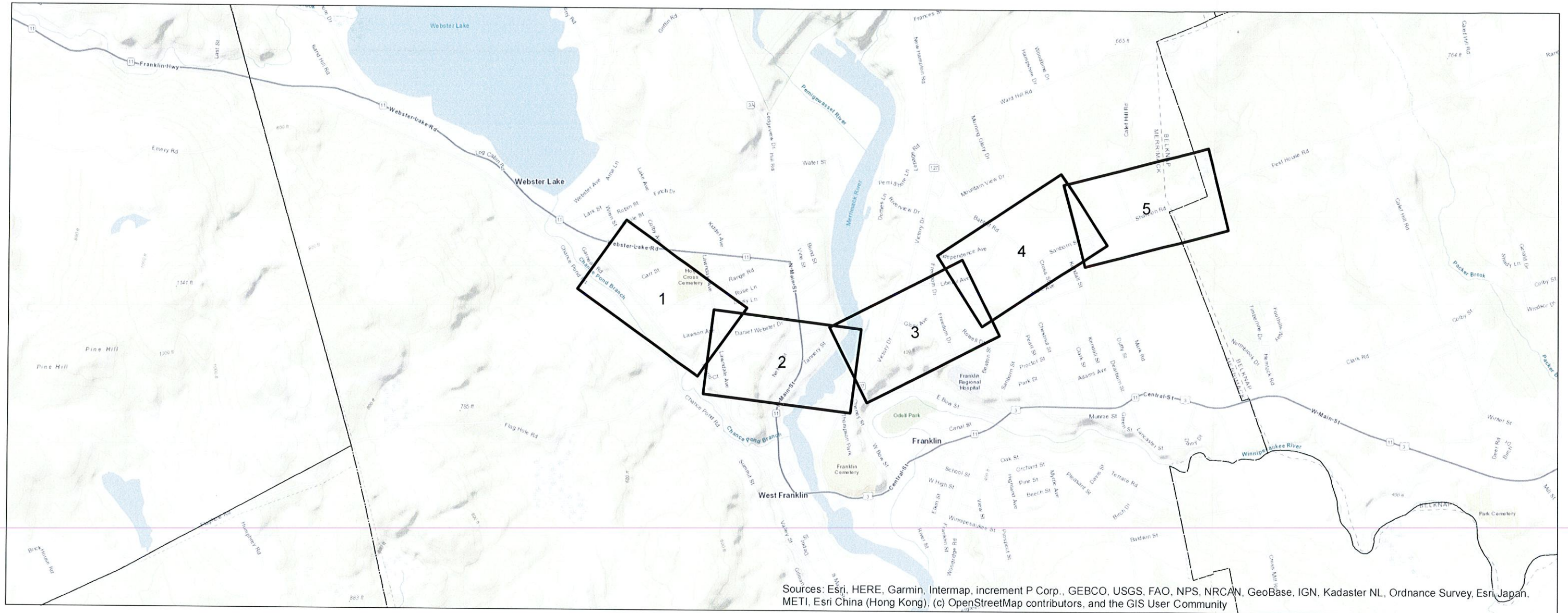
PREPARED BY:  GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: 	
PROJ MGR: CEM	REVIEWED BY: TLT	CHECKED BY: DMZ	FIG 1
DESIGNED BY: MJD	DRAWN BY: PJP	SCALE: 1" = 2,000 FEET	
DATE: 01/09/2024	PROJECT NO: 04.0191410.81	REVISION NO:	

Figure 2 – Permitting and Impact Plans

J125 Transmission Line Structure Replacement Project

FRANKLIN, NEW HAMPSHIRE
Environmental Permitting Planset

Date: February 21, 2024



PREPARED FOR:

EVERSOURCE
ENERGY

13 Legends Drive
Hooksett, NH 03106



0 0.225 0.45 0.9 Miles

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Map Sheets 1-5
Notesheets 1-3

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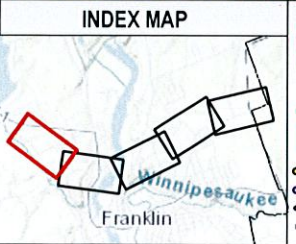
PREPARED BY:



GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

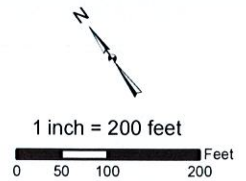


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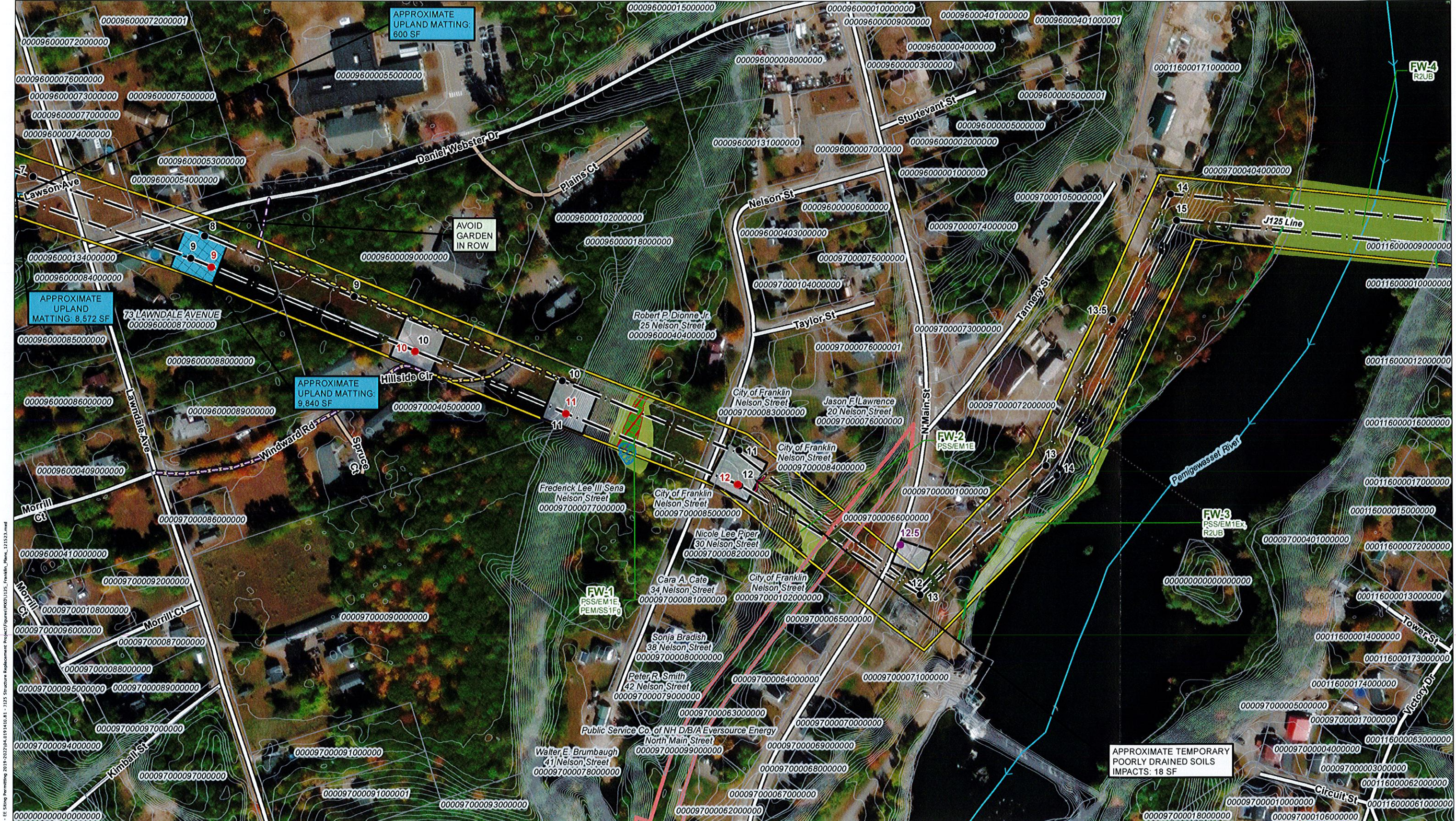
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This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.

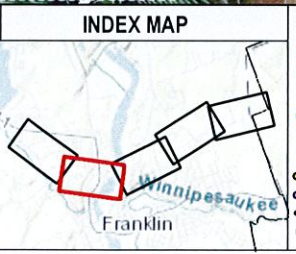


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Franklin, NH	MAP SHEET
Date: February, 2024	1 OF 5
04.0191410.81	

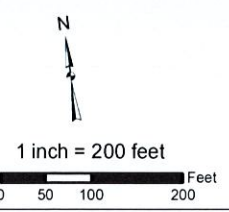


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| <ul style="list-style-type: none"> ● EXISTING STRUCTURE ● STRUCTURE TO BE REPLACED ● DISTRIBUTION POLE TO BE REPLACED ● CULVERT ● TOP OF BANK ● GATE ● PROPOSED ACCESS ● OFF-ROW ACCESS ● EXISTING ACCESS ● TRANSMISSION LINE | <ul style="list-style-type: none"> ■ VERNAL POOL BUFFER IMPACTS ■ WETLAND BUFFER IMPACTS ■ HISTOSOL AND HISTIC EPIPEDON SOILS IMPACTS ■ TEMPORARY POORLY DRAINED SOILS IMPACT ■ UPLAND MATTING ■ PARCEL BOUNDARY ■ EVERSOURCE OWNED PARCEL ■ STATE OWNED PARCEL ■ CONFIRMED VERNAL POOL ■ POTENTIAL VERNAL POOL ■ WORK PAD ■ APPROXIMATE ROW ■ FENCE | <ul style="list-style-type: none"> — TOWN MAINTAINED ROAD — STATE MAINTAINED ROAD — PRIVATE ROAD ○ STONEWALL — TOWN BOUNDARY — FLOWLINE — 2FT CONTOUR — WETLAND BOUNDARY — EROSION AND SEDIMENT CONTROL — HISTOSOL AND HISTIC EPIPEDON SOILS |
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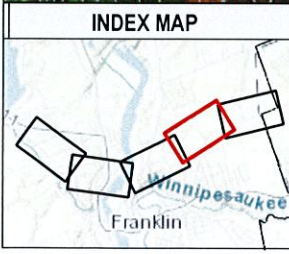


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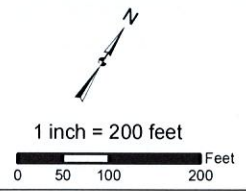
J125 Transmission Line Structure Replacement Project

Franklin, NH	MAP SHEET
Date: February, 2024	
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- EXISTING STRUCTURE
- STRUCTURE TO BE REPLACED
- DISTRIBUTION POLE TO BE REPLACED
- CULVERT
- TOP OF BANK
- GATE
- PROPOSED ACCESS
- OFF-ROW ACCESS
- EXISTING ACCESS
- TRANSMISSION LINE
- VERNAL POOL BUFFER IMPACTS
- WETLAND BUFFER IMPACTS
- HISTOSOL AND HISTIC EPIPEDON SOILS IMPACTS
- TEMPORARY POORLY DRAINED SOILS IMPACT
- UPLAND MATTING
- PARCEL BOUNDARY
- EVERSOURCE OWNED PARCEL
- STATE OWNED PARCEL
- CONFIRMED VERNAL POOL
- POTENTIAL VERNAL POOL
- WORK PAD
- APPROXIMATE ROW
- FENCE
- TOWN MAINTAINED ROAD
- STATE MAINTAINED ROAD
- PRIVATE ROAD
- STONEWALL
- TOWN BOUNDARY
- FLOWLINE
- 2FT CONTOUR
- WETLAND BOUNDARY
- EROSION AND SEDIMENT CONTROL
- HISTOSOL AND HISTIC EPIPEDON SOILS

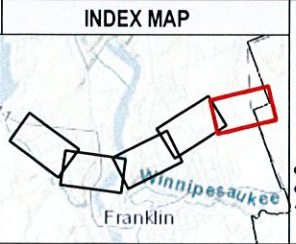
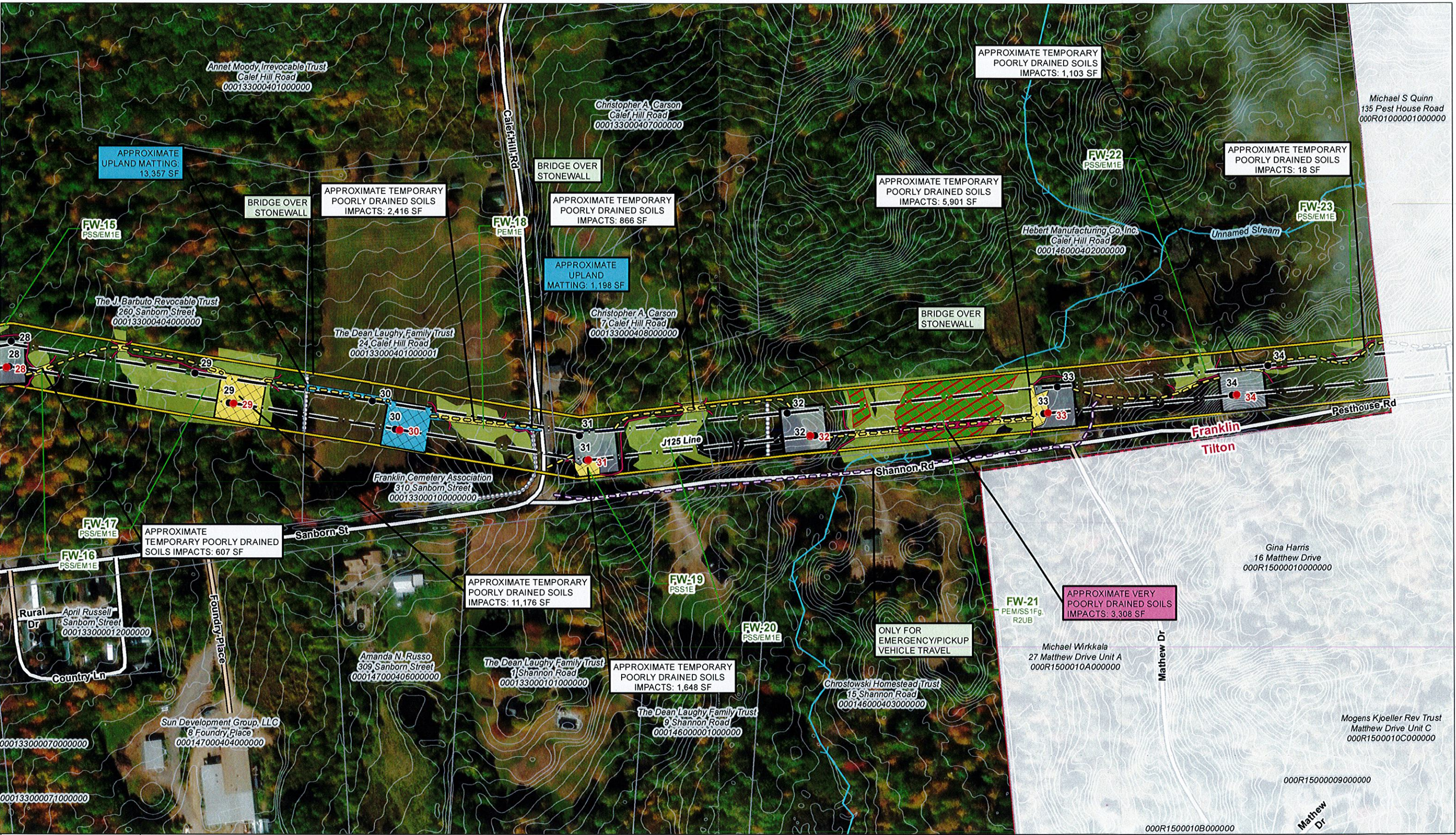
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NO.	DATE	REVISIONS

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J125 Transmission Line Structure Replacement Project	
Franklin, NH	MAP SHEET
Date: February, 2024	4 OF 5
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● EXISTING STRUCTURE	▨ VERNAL POOL BUFFER IMPACTS	— TOWN MAINTAINED ROAD
● STRUCTURE TO BE REPLACED	▨ WETLAND BUFFER IMPACTS	— STATE MAINTAINED ROAD
● DISTRIBUTION POLE TO BE REPLACED	▨ HISTOSOL AND HISTIC EPIPEDON SOILS IMPACT	— PRIVATE ROAD
— CULVERT	▨ TEMPORARY POORLY DRAINED SOILS IMPACT	○ STONEWALL
— TOP OF BANK	▨ UPLAND MATTING	— TOWN BOUNDARY
Ⓜ GATE	▨ PARCEL BOUNDARY	— PEATLAND HABITAT
— PROPOSED ACCESS	▨ EVERSOURCE OWNED PARCEL	— FLOWLINE
— OFF-ROW ACCESS	▨ STATE OWNED PARCEL	— 2FT CONTOUR
— EXISTING ACCESS	▨ CONFIRMED VERNAL POOL	— WETLAND BOUNDARY
— TRANSMISSION LINE	▨ POTENTIAL VERNAL POOL	— EROSION AND SEDIMENT CONTROL
	▨ WORK PAD	▨ HISTOSOL AND HISTIC EPIPEDON SOILS
	▨ APPROXIMATE ROW	
	▨ FENCE	

This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.

1 inch = 200 feet
 0 50 100 200 Feet

NO		DATE		REVISIONS	
EVSOURCE ENERGY					
J125 Transmission Line Structure Replacement Project					
Franklin/Tilton, NH			MAP SHEET		
Date: February, 2024			5 OF 5		
04.0191410.01					

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CONSTRUCTION SEQUENCE:

1. WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED, AS NECESSARY, AND CONSISTENT WITH THE NHDES MARCH 2019 BMP MANUAL FOR UTILITY MAINTENANCE.
3. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES WITHIN THE RIGHT OF WAY. LOOK FOR FIELD FLAGGING AND REFER TO PROJECT PLANS FOR THESE LOCATIONS.
4. ADEQUATE PRECAUTION SHALL BE EXERCISED TO AVOID SPILLAGE OF FUEL OILS, CHEMICALS, OR SIMILAR SUBSTANCES; NO FUELS, LUBRICANTS, CHEMICALS OR SIMILAR SUBSTANCES SHALL BE STORED BENEATH TREES OR IN THE VICINITY OF ANY WETLANDS, RIVER, STREAM OR OTHER BODY OF WATER; OR IN THE VICINITY OF NATURAL OR MAN-MADE CHANNELS LEADING THERETO. NO POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER.
5. REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT AND COMPLETE REHABILITATION OF THE AFFECTED AREA.
6. ACCESS ROUTES HAVE BEEN SELECTED TO PREVENT DEGRADATION OF THE RIGHT-OF-WAY AND MINIMIZE ENVIRONMENTAL IMPACT. OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. ACCESS ROUTES SHALL NOT EXCEED A 16 FOOT-WIDTH.
7. IMPACT TO VEGETATION WITHIN WETLANDS WILL BE LIMITED TO THE EXTENT NECESSARY TO PLACE THE TIMBER MATS WHERE REQUIRED.
8. LOW GROWING VARIETIES OF VEGETATION ADJACENT TO WETLANDS SHALL BE PRESERVED TO THE EXTENT POSSIBLE. STUMPS SHALL NOT BE REMOVED, AND THERE SHALL BE NO EXCAVATIONS, FILLS OR GRADING DONE ADJACENT TO WETLANDS, UNLESS MINOR EXCAVATIONS OR GRADING IS NEEDED FOR ACCESS OR WORK PADS AND THEN ONLY WITHIN LIMITS SHOWN ON PROJECT PLANS.
9. TIMBER MATS AND PERIMETER CONTROLS WILL BE USED ALONG ACCESS ROUTES AND WORK PADS WITHIN WETLAND AREAS. THESE MATS ARE CONSTRUCTED OF HEAVY TIMBERS OR COMPOSITE MATERIAL, BOLTED TOGETHER, AND ARE PLACED END-TO-END IN THE WETLAND TO SUPPORT HEAVY EQUIPMENT. ALL TIMBER MATS SHALL BE PLACED AND REMOVED SO AS NOT TO CAUSE ANY RUTS, CHANNELS OR DEPRESSIONS, OR OTHERWISE CAUSE ANY UNDUE DISTURBANCE TO WETLANDS.
10. IN UPLANDS, ADDITIONAL BMP'S MAY INCLUDE THE PLACEMENT OF GEOTEXTILE FABRIC, 3"-4" STONE, AND GRAVEL TO PROVIDE A SUITABLE ROAD BED. MATTING SHALL BE INSTALLED IN A MANNER TO BRIDGE STREAM CHANNELS. TEMPORARY CULVERTS MAY BE REQUIRED IN AREAS OF HIGH FLOW TO MAINTAIN HYDROLOGIC CONNECTIVITY. ALL MATERIAL WILL BE REMOVED FROM JURISDICTIONAL AREAS AFTER CONSTRUCTION COMPLETION.
11. NO MATERIAL SHALL BE PLACED IN ANY LOCATION OR IN ANY MANNER SO AS TO IMPAIR SURFACE WATER FLOW INTO THROUGH OR OUT OF ANY WETLAND AREA. NO INSTALLATION SHALL CREATE AN IMPOUNDMENT THAT WILL IMPEDE THE FLOW OF WATER OR CAUSE FLOODING.
12. BIOLOGICAL MONITORING OF PROJECT SPECIES MAY REQUIRE THAT WORK AREAS ARE CLEARED PRIOR TO WORK OR PLACEMENT OF MATERIALS.
13. NO MATERIAL SHALL BE TAKEN FROM THE WETLANDS AREA EXCEPT THAT WHICH MUST NECESSARILY BE REMOVED FOR THE STRUCTURE OR FOUNDATION PLACEMENT OR STABILIZATION. ALL EXCESS MATERIAL TAKEN FROM THE WETLAND WILL BE REMOVED FROM THE SITE.
14. DISCHARGE OF DEWATERING WATER SHOULD NOT BE DIRECTED TOWARDS SURFACE WATERS IDENTIFIED BY NHDES AS TIER 2, TIER 2.5, OR TIER 3 WITHOUT PRIOR AUTHORIZATION FROM EVERSOURCE. SUCH ACTIVITIES TRIGGER TURBIDITY MONITORING AND REPORTING REQUIREMENTS AS OUTLINED IN SECTION 3.3 OF THE 2022 EPA CONSTRUCTION GENERAL PERMIT. TIER 2, TIER 2.5, AND TIER 3 SURFACE WATERS ARE CONSIDERED ALL SURFACE WATERS INCLUDING LAKES, PONDS, MARCHES, AND TIDAL WATERS AS DEFINED BY ENV-WT 104.33. DEWATERING WATER SHOULD BE DIRECTED AWAY FROM SURFACE WATERS, OR BE DISCHARGED TO A VAC TRUCK, POLY TANK, OR UPLAND BASIN, AS APPROVED BY EVERSOURCE. OTHERWISE, TURBIDITY MONITORING DURING DEWATERING ACTIVITIES WILL BE REQUIRED.
15. ANY PROPOSED SUPPORT FILLS SHALL BE CLEAN GRAVEL AND STONE, FREE OF WASTE METAL PRODUCTS, ORGANIC MATERIALS AND SIMILAR DEBRIS AND SHALL NOT EXCEED THE AMOUNT PERMITTED. THIS ALLOWABLE FILL IS THE ONLY FILL THAT MAY REMAIN IN THE WETLAND AFTER CONSTRUCTION. ALL CUT AND FILLS SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
16. INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
17. WIRE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVERSING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
18. REMOVAL OF THE OLD POLE WILL OCCUR ONCE THE WIRE HAS BEEN INSTALLED ON THE NEW STRUCTURE. THE OLD STRUCTURES WILL BE REMOVED FROM THE SITE. POLES WILL BE CUT AT THE GROUND SURFACE. FOOTINGS WILL BE ABANDONED IN PLACE TO MINIMIZE IMPACTS.
19. ALL TIMBER MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION.
20. UNLESS APPROVED AS PERMANENT IMPACT, TIMBER MATS MUST ONLY BE INSTALLED FOR ONE GROWING SEASON. TIMBER MATS INSTALLED DURING THE ACTIVE GROWING SEASON (MAY 1 TO OCTOBER 1) MUST BE REMOVED PRIOR TO THE START OF THE FOLLOWING GROWING SEASON (BY APRIL 30 LATEST).
21. UPLAND DISTURBED AREAS SHALL BE RESTORED AND STABILIZED UPON COMPLETION OF CONSTRUCTION. WORK PAD RESTORATION SHOULD INCLUDE REDUCING THE WORK PAD TO A 30 BY 60 FOOT AREA, AND REDUCING SLOPES TO A MAXIMUM OF 25%. STOCKPILED MATERIAL SHOULD BE SPREAD TO REDUCE ANY UNNECESSARY SLOPES. GRAVEL WORK PADS AND SLOPES SHOULD BE SCARIFIED TO A MINIMUM OF 3" BEFORE SPREADING TOPSOIL/LOAM. DISTURBED UPLANDS SHALL BE SEEDED WITH A GRASS MIX.
22. TEMPORARY WETLAND IMPACTS WILL BE RE-GRADED TO ORIGINAL CONTOURS TO THE GREATEST EXTENT PRACTICABLE FOLLOWING CONSTRUCTION. EROSION CONTROL/RESTORATION SEED MIX WILL BE APPLIED AS NECESSARY IF THE SURROUNDING NATIVE SEED BANK DOES NOT RESULT IN ADEQUATE VEGETATIVE COVER.
23. MULCH USED FOR STABILIZATION SHALL CONSIST OF SEEDLESS STRAW.
24. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.
25. UNLESS OTHERWISE REQUESTED BY UNDERLYING PROPERTY OWNERS AND APPROVED BY EVERSOURCE, COMMERCIAL LOAM WILL NOT BE USED AS PART OF RESTORATION. ONLY IN-SITU TOPSOIL WILL BE USED TO RESTORE DISTURBED AREAS.
26. RESTORATION REQUIREMENTS MAY INCLUDE A PERCENT COVER GOAL AND EXTEND BEYOND THE FINAL CONSTRUCTION ACTIVITIES.

WINTER CONSTRUCTION NOTES:

1. PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND MULCH, AND INSTALLATION OF EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING. ELSEWHERE, THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).
4. PROJECTS IN WHICH THERE IS AN ACTIVE NOI AND CONSTRUCTION IS COMPLETED BETWEEN OCTOBER 15 AND APRIL 31 MUST BE MONITORED FOR A MINIMUM OF 70% VEGETATIVE GROWTH IN ORDER TO SUBMIT A NOT THROUGH THE EPA.

GENERAL NOTES:

OWNER: EVERSOURCE ENERGY
13 LEGENDS DRIVE
HOOKSETT, NH 03106

1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
2. JURISDICTIONAL WETLANDS WERE DELINEATED BY GZA GEOENVIRONMENTAL, INC. IN 2016 & 2017 AND CONFIRMED BY GZA IN AUGUST 2023, IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS' "WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1," AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION," JANUARY 2012. WETLANDS WILL BE REVIEWED BY GZA GEOENVIRONMENTAL, INC. PRIOR TO START OF WORK.
3. GZA EVALUATED WETLANDS AS POTENTIAL VERNAL POOLS IN AUGUST 2023 IN ACCORDANCE WITH "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE," 2016, NEW HAMPSHIRE FISH AND GAME DEPARTMENT, NONGAME AND ENDANGERED WILDLIFE PROGRAM.
4. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
5. THE PROJECT WILL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800, AS WELL AS SECTION 2.10 OF THE NHDES BEST MANAGEMENT PRACTICES MANUAL FOR UTILITY MAINTENANCE IN AND ADJACENT TO WETLANDS AND WATERBODIES IN NEW HAMPSHIRE RELATIVE TO INVASIVE SPECIES.
6. IN ACCORDANCE WITH ENV-WQ 1505.02, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A MINIMUM 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL HAS BEEN INSTALLED
 - OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.


EROSION CONTROL/RESTORATION NOTES:

1. INSTALLATION OF EROSION CONTROL GRINDINGS AND/OR SILT FENCES SHALL BE COMPLETE PRIOR TO THE START OF WORK IN ANY GIVEN AREA. EROSION CONTROLS SHALL BE USED DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATION COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER .25" OR GREATER RAINFALL EVENTS.
2. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION & SEDIMENTATION OF WETLANDS.
3. THE WORK AREA SHALL BE GRADED AND OTHERWISE SHAPED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. EROSION CONTROL GRINDINGS WILL BE NECESSARY TO ACCOMPLISH THIS END.
4. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED WITH BMPS.
5. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS, PLANT SUITABLE GRASS MIX PRIOR TO OCTOBER 15TH.
6. EROSION CONTROL MATTING, IF REQUIRED, WILL CONSIST OF JUTE MATTING. MATTING WITH WELDED PLASTIC OR 'BIODEGRADABLE PLASTIC' NETTING OR THREAD IS NOT PERMITTED.
7. PER ENV-WT 307.03(C)(6), WATER QUALITY CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED SURFACES ARE STABILIZED TO A CONDITION IN WHICH SOILS ON THE SITE WILL NOT EXPERIENCE ACCELERATED OR UNNATURAL EROSION, SUCH AS ACHIEVING 85% OF GREATER VEGETATIVE COVER USING AN EROSION CONTROL SEED MIX.

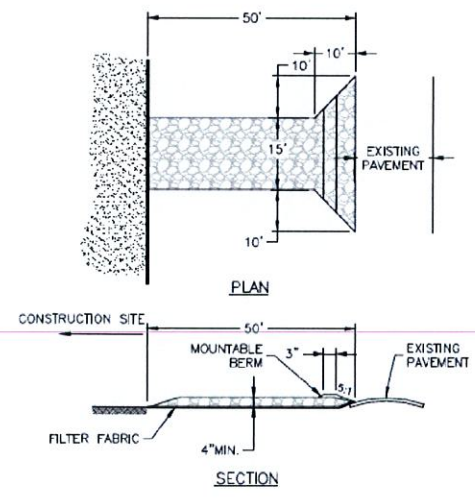
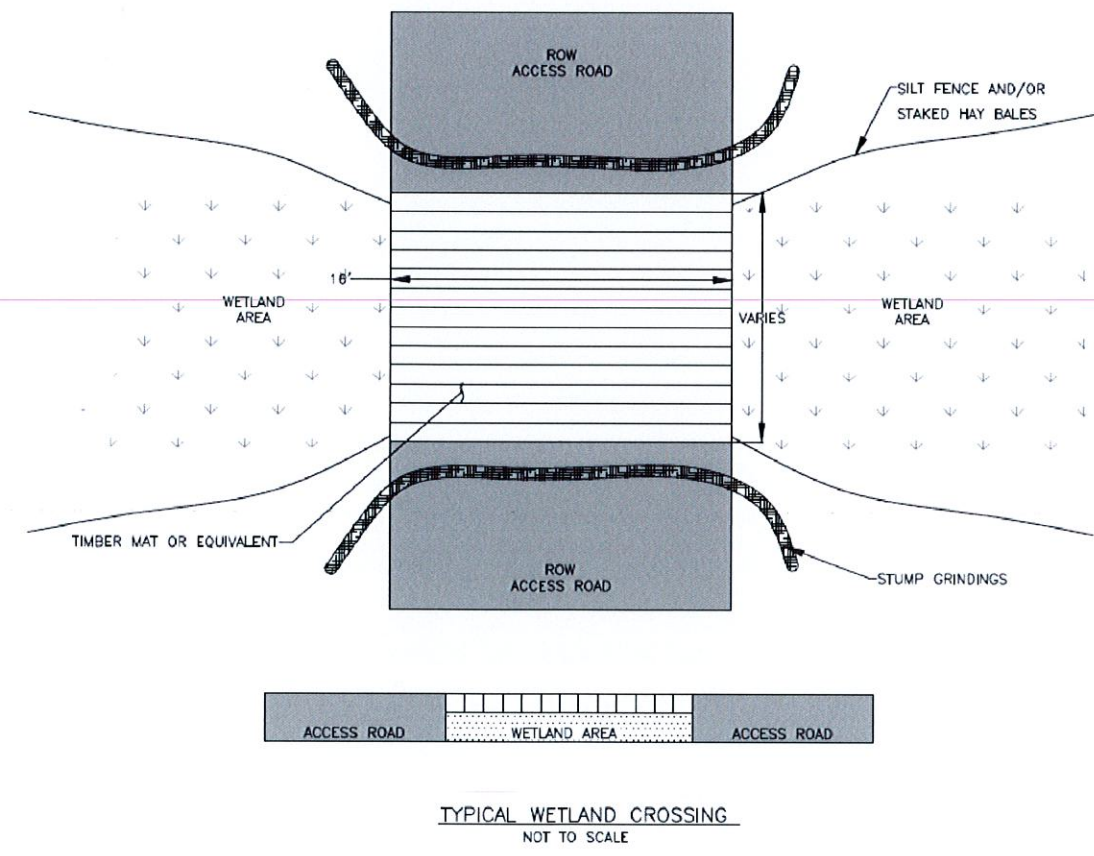
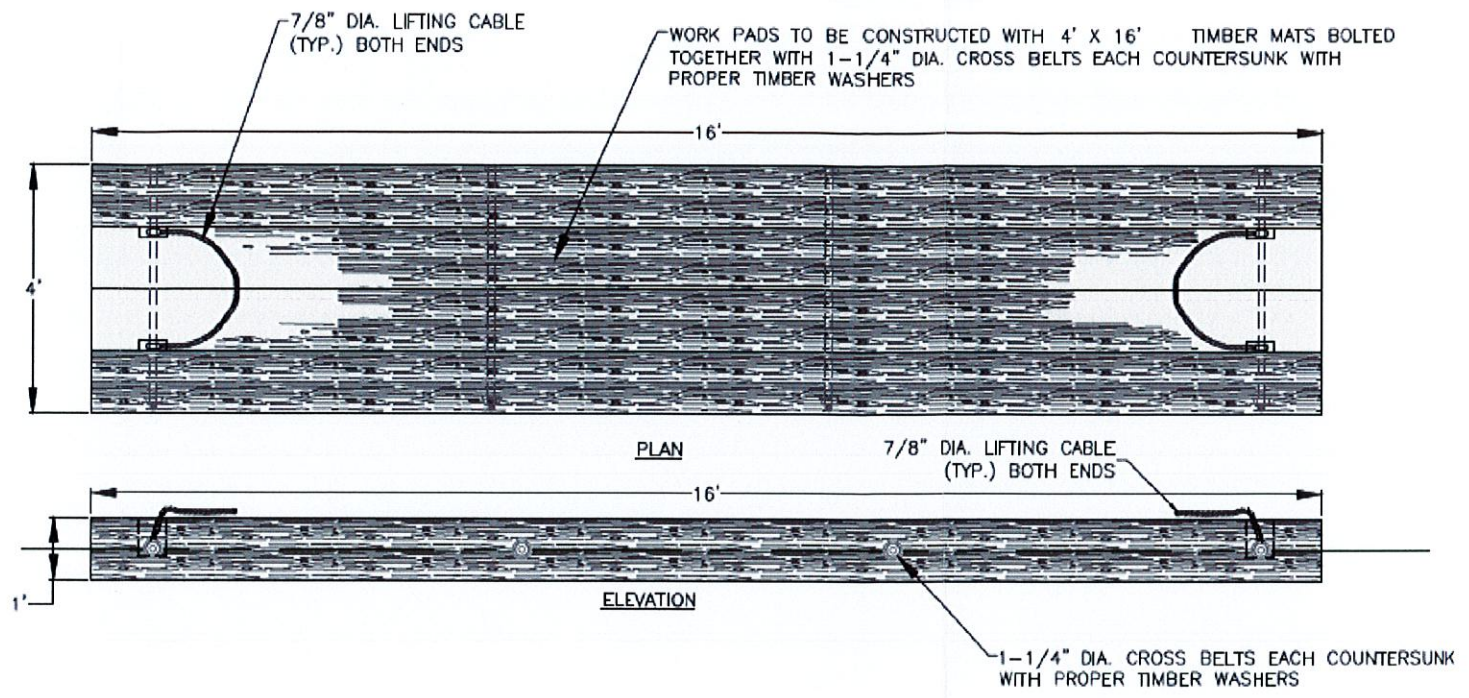
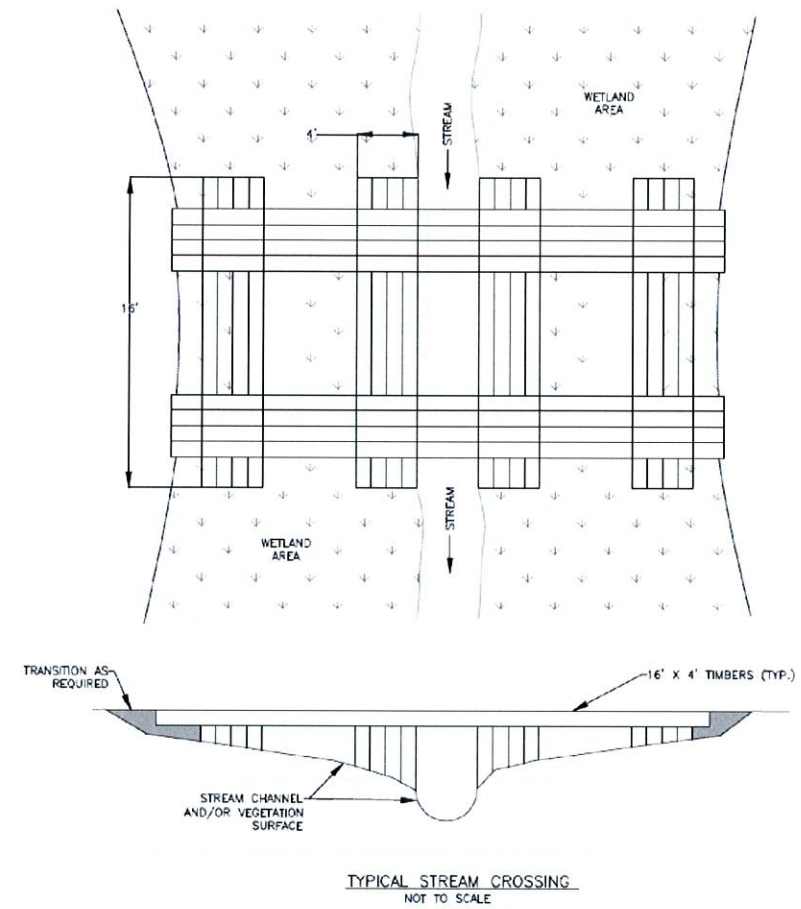
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J125 TRANSMISSION LINE STRUCTURE REPLACEMENT PROJECT
FRANKLIN, TILTON, BELMONT, AND LACONIA, NEW HAMPSHIRE

NOTES

PREPARED BY:  GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: EVERSOURCE ENERGY	
PROJ MGR: LEW	REVIEWED BY: TLT	CHECKED BY: DMZ	SHEET S1
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:	
DATE: 09/29/2023	PROJECT NO: 04.0191410.81	REVISION NO.	

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- NOTES**
1. STONE SIZE - USE 2" STONE (MINIMUM) TO 6" STONE (MAXIMUM)
 2. LENGTH - GREATER THAN OR EQUAL TO 50 FEET WITH THICKNESS OF 4"
 3. WIDTH - FIFTEEN (15) FOOT TYP. BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
 4. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS ENTRANCE. IF PIPING IS IMPRACTICAL, MOUNTABLE BERM SHALL BE PERMITTED.
 5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING AND ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.
 7. THE CLEAN STONE SHOULD BE INSTALLED OVER A GEOTEXTILE FABRIC. GEOTEXTILE FABRIC MAY BE OMITTED FOR PERMANENT CONSTRUCTION ENTRANCES-EXITS ON A CASE-BY-CASE BASIS WITH THE APPROVAL OF THE NATIONAL GRID ENVIRONMENTAL.
 8. FOLLOWING CONSTRUCTION, THE CONSTRUCTION ENTRANCE / EXIT SHALL BE REMOVED AND THE AREA GRADED, SEEDED, AND MULCHED AS NEEDED. ENTRANCE-EXITS MAY REMAIN, DEPENDING UPON FUTURE ACCESS NEEDS AND / OR PROJECT - SPECIFIC APPROVALS BUT REQUIRES APPROVALS FROM THE NATIONAL GRID ENVIRONMENTAL AND PROJECT LEGAL.

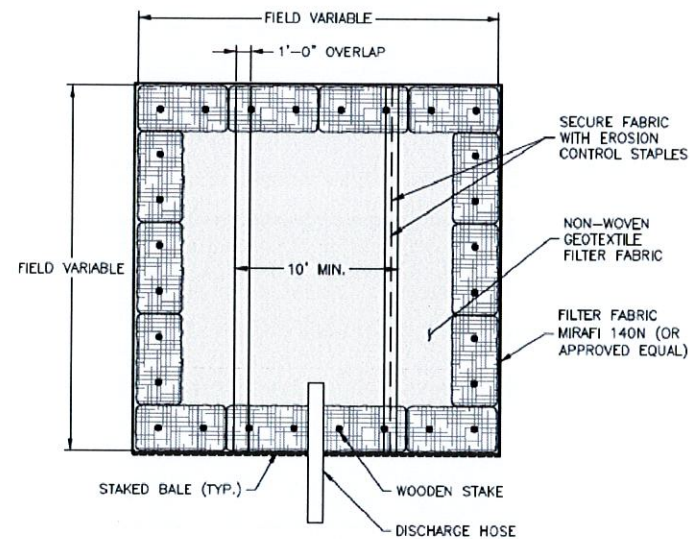
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**J125 TRANSMISSION LINE
STRUCTURE REPLACEMENT PROJECT**
FRANKLIN, TILTON, BELMONT, AND LACONIA,
NEW HAMPSHIRE

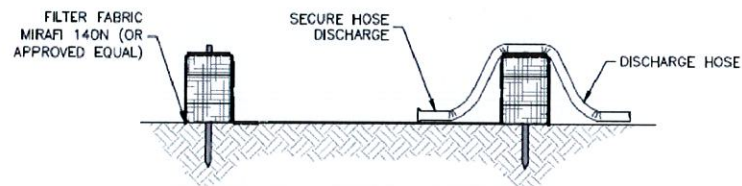
BMP DETAILS

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: 	
PROJ MGR: CEM DESIGNED BY: HP DATE: 12/27/2023	REVIEWED BY: TLT DRAWN BY: LEW PROJECT NO: 04.019141.81	CHECKED BY: DMZ SCALE: REVISION NO.	SHEET S2

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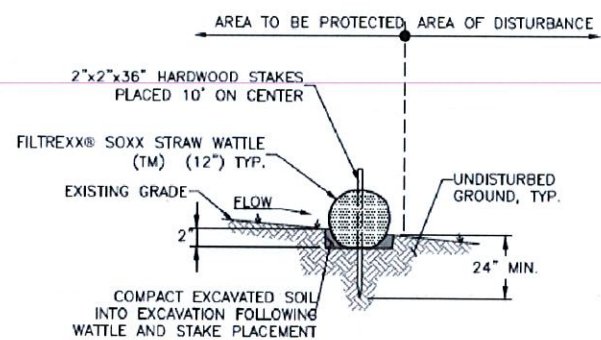


PLAN VIEW
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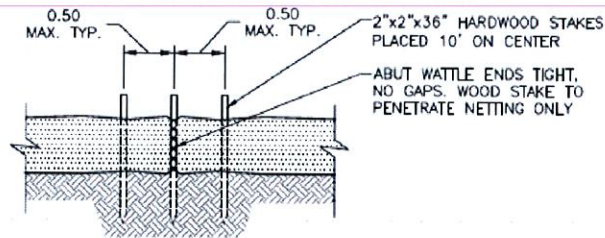
CROSS-SECTION
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DEWATERING BASIN DETAIL



STRAW WATTLE DETAIL

NOT TO SCALE



STRAW WATTLE OVERLAP

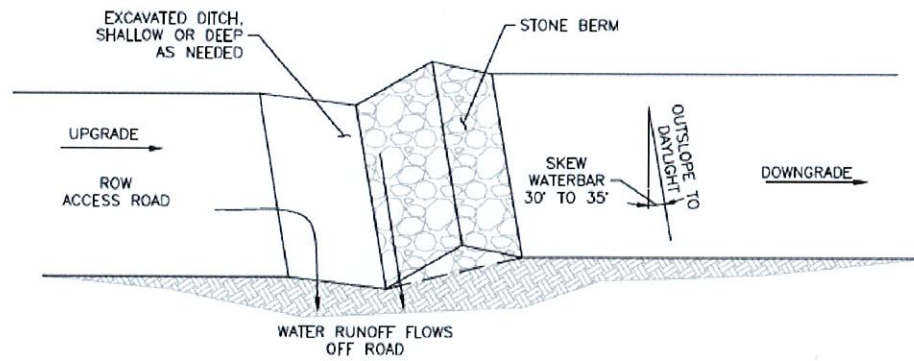
NOT TO SCALE

NOTES:

1. ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, WITH THE EXCEPTION OF TURF REINFORCEMENTS MATS, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES.

NOTES:

1. DITCHES CAN BE DUG/CONSTRUCTED ALONG SIDE OF ACCESS ROAD, PER ENGINEERS DESIGN.
2. WATER BAR OUTLET SHOULD DRAIN AT 3% OUT-SLOPE ONTO LEVEL SPREADER, UNDISTURBED LITTER OR VEGETATION.



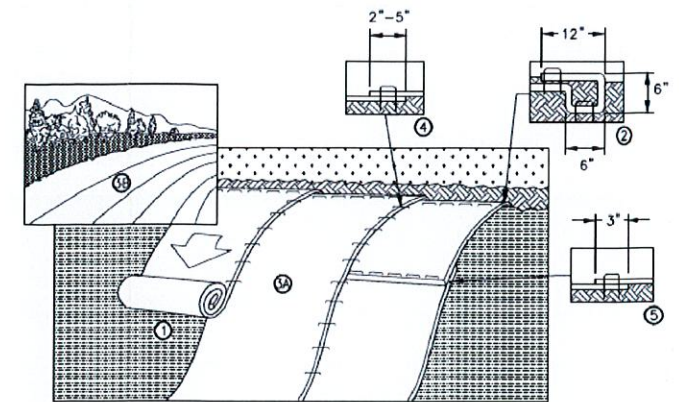
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SECTION

TYPICAL WATER BAR DETAIL

NOT TO SCALE



SLOPE INSTALLATION DETAIL OF EROSION CONTROL BLANKET

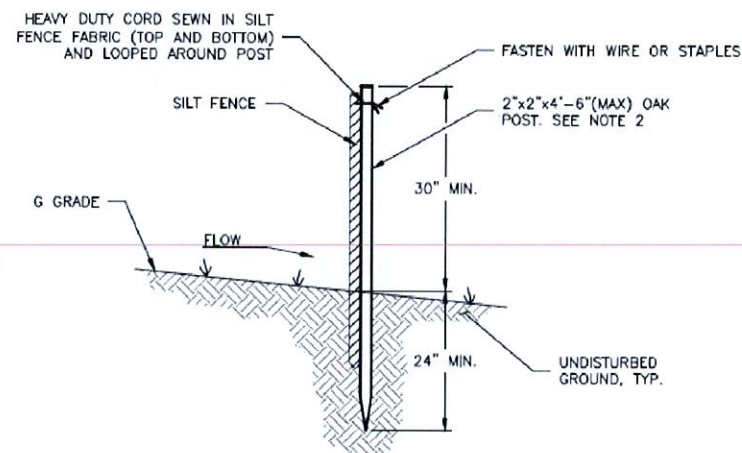
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NOTES:

1. EROSION CONTROL BLANKET SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.
2. STAKES/STAPLES SHOULD BE PLACED NO MORE THAN 3 FT. APART VERTICALLY AND 1 FT. APART HORIZONTALLY.
3. SLOPE SURFACES SHOULD BE FREE OF DEBRIS, INCLUDING STICKS, ROCKS AND OTHER OBSTRUCTIONS.
4. BLANKETS SHOULD BE ROLLED OUT LOOSELY AND STAKED/STAPLED TO MAINTAIN DIRECT SOIL CONTACT DO NOT STRETCH THE BLANKETS.
5. DESIGNER/ENGINEER SHALL CHOOSE THE TYPE OF BLANKET OR MATTING DEPENDING ON SPECIFIC OBJECTIVES AND SITE CONDITIONS.

INSTALLATION NOTES:

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15cm) DEEP x 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OR RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE RECP'S.
3. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE (M). WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2'-5" (5 cm - 12.5 cm) OVERLAP DEPENDING ON RECP'S TYPE.
5. CONSECUTIVE RECP'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE RECP'S WIDTH.



SILT FENCE DETAIL

NOT TO SCALE

NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH NEW HAMPSHIRE ENV-WQ 1506 STANDARDS.
2. SILT FENCE SHOULD BE INSTALLED "TIGHT" AGAINST SILT FENCE THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICE. SILT FENCE FABRIC SHALL NOT BE SILT STANDARD 9 1 0 POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC. 2"x4"-6"(MAX) O.C. IN WETLAND AREAS AND 4'-0" (MAX) O.C. IN WETLAND RAVINE GULLY OR DROP OFF AREAS AS SHOWN ON PLANS.
3. 1"x1" x 4'-6"(MIN) POSTS PERMITTED FOR PREFABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

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**J125 TRANSMISSION LINE
STRUCTURE REPLACEMENT PROJECT
FRANKLIN, TILTON, BELMONT, AND LACONIA,
NEW HAMPSHIRE**

BMP DETAILS

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DESIGNED BY: HP	DRAWN BY: LEW	SCALE:	
DATE: 12/27/2023	PROJECT NO: 04.0191410.81	REVISION NO:	