

# Town of Durham Planning Board

## Permitted Use Application

### Transmission Line 307 Structure Replacement

**Prepared For**  
Eversource Energy  
13 Legends Drive  
Hooksett, NH 03106

**Prepared By**  
Normandeau Associates, Inc.  
25 Nashua Road  
Bedford, NH 03110  
(603) 472-5191  
[www.normandeau.com](http://www.normandeau.com)

**November 2019**



November 6, 2019

Town of Durham  
Planning Board  
8 Newmarket Rd  
Durham, NH 03824

Re: Permitted Use Application for Structure Replacements on Eversource Transmission Line 307

Dear Sir/Madam:

On behalf of Eversource Energy (Eversource), Normandeau Associates, Inc. (Normandeau) is filing a Permitted Use Application requesting approval to replace existing utility pole structures within Eversource transmission Line 307 in the Town of Durham.

Attached are the permitted use application and all required supplemental materials for review of this proposal. We anticipate attending the regularly scheduled meeting of the Durham Conservation Commission November 25, 2019 and Planning Board meeting on December 11, 2019 to present the details of this project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sarah Barnum".

Sarah Barnum, PhD  
Project Manager

Attachment:

1. Permitted Use Application
2. 11x17 in. plan set

Cc: Jennifer Menendez, Eversource, via email

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#### *DISCLOSURE STATEMENT*

*The data contained in all pages of this document have been submitted in confidence and contain trade secrets and/or privileged or confidential information, and such data shall be used or disclosed only for evaluation purposes, provided that if a contract is awarded to this proposer as a result of or in connection with the submission of this proposal, the client shall have the right to use or disclose the data herein to the extent provided in the contract. This document includes data that shall not be disclosed outside of the purposes of this submittal and shall not be duplicated, used, or disclosed--in whole or in part--for any purpose other than for evaluation purposes.*

## **Town of Durham Permitted Use Application Form**

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**Additional Detail for Owner and Property Information****Property Owner Information**

1. Joseph Moore III (Parcel ID: 9/2/2/)  
138 Lee Road  
Durham, NH 03824  
(Book No. 3143/Page No. 934); Date: 02/17/2005  
  
Map: 9, Lot: 2-2  
Beech Hill Road/Route 155  
Durham, NH 03824  
Zone: R  
Overlay District: Wetland Conservation Overlay District
  
2. Cutter Beech Hill, LLC (Parcel ID:9/2/4/)  
3 Front St., Unit 411  
Rollinsford, NH 03869  
(Book No. 4417/Page No. 685); Date: 09/22/2016  
  
Map: 9, Lot: 2-4  
Beech Hill Road  
Durham, NH 03823  
Zone: R  
Overlay District: Wetland Conservation Overlay District
  
3. Sandra E Straus (Parcel ID:9/11//)  
22 Lee Road  
Durham, NH 03823  
(Book No. 4378/Page No. 943); Date: 05/05/2016  
  
Map: 9, Lot: 11  
Beach Hill Road/Madbury  
Durham, NH 03823  
Zone: R  
Overlay District: Wetland Conservation Overlay District

## **1 Filing Fee**

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No filing fee is required for a Permitted Use B application.

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## 2 Project Description

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On behalf of Eversource Energy (Eversource), Normandeau Associates, Inc. (Normandeau) has compiled this Permitted Use Application for the Town of Durham, requesting approval to replace three utility pole structures within the existing Line 307 345KV utility transmission right-of-way (ROW) in the Town of Durham. Eversource proposes to replace these pole structures in the line in order to continue to provide reliable electrical power to customers.

The proposed structure replacements in the Town of Durham consist of Structures #100, 102, and 103, as depicted in the attached Plan Sheets, which included only the pages relevant to these structures. All work associated with this project is located within the existing ROW and disturbance will be temporary. Although work will not occur in wetlands for any of the three structures, there will be work within a 100-foot buffer from the reference line of a freshwater wetland, defined as an area within Durham's Wetland Conservation Overlay District for structures 103 and 100. Additionally, access between structures 100 and 102 will require a wetland crossing. An estimated total of 2380 ft<sup>3</sup> of wetland and 24011 ft<sup>3</sup> of wetland buffer will be temporarily impacted by the proposed project. This estimate is the maximum potential impact, based on a 100 x 100 ft work area around each pole to be replaced. A smaller work area will be used as practicable.

The only expected soil disturbance within the wetland buffer will occur where the replacement utility poles will be installed, approximately 10 feet from the existing poles. Construction will require using construction equipment capable of hauling new structures and excavating to install replacement poles. Temporary wetland matting will be used to minimize impacts for the wetland crossing, and upland matting will be used to limit ground disturbance and limit vegetation impacts within the wetland buffer area. Once the work is finished, all matting will be removed and any disturbed areas will be restored. Road building, grading, and graveling outside of the wetland buffer may be required and will be restored to the extent practical.

**The proposed utility pole replacements for structure 100 and 103 within transmission ROW Line 307 meets the standards for the three criteria required for a Permitted Use under Durham Code Zoning Article XIII, 175-60 (B).**

These three criteria are:

- a) appropriate erosion control measures will be used,
- b) any disturbed area will be restored, and
- c) the activity will be conducted in a manner that minimizes any impact on the wetland.

All three of these criteria will be met as the replacement of structures will follow the Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire (NH Department of Natural and Cultural Resources, 2018), which are specifically designed to meet these standards.

### 3 Tax Maps

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Parcels with red stars (3 total) indicate lots where work is proposed.

The Town of Durham uses an online system for public records of parcel information. Property record cards, location, and other pertinent information were obtained via the Town of Durham's online program, located at: <http://gis.vgsi.com/durhamnh/Streets.aspx>. Tax maps were downloaded from <https://www.ci.durham.nh.us/assessing/tax-maps>.



# Map 9



## PROPERTY MAP DURHAM NEW HAMPSHIRE

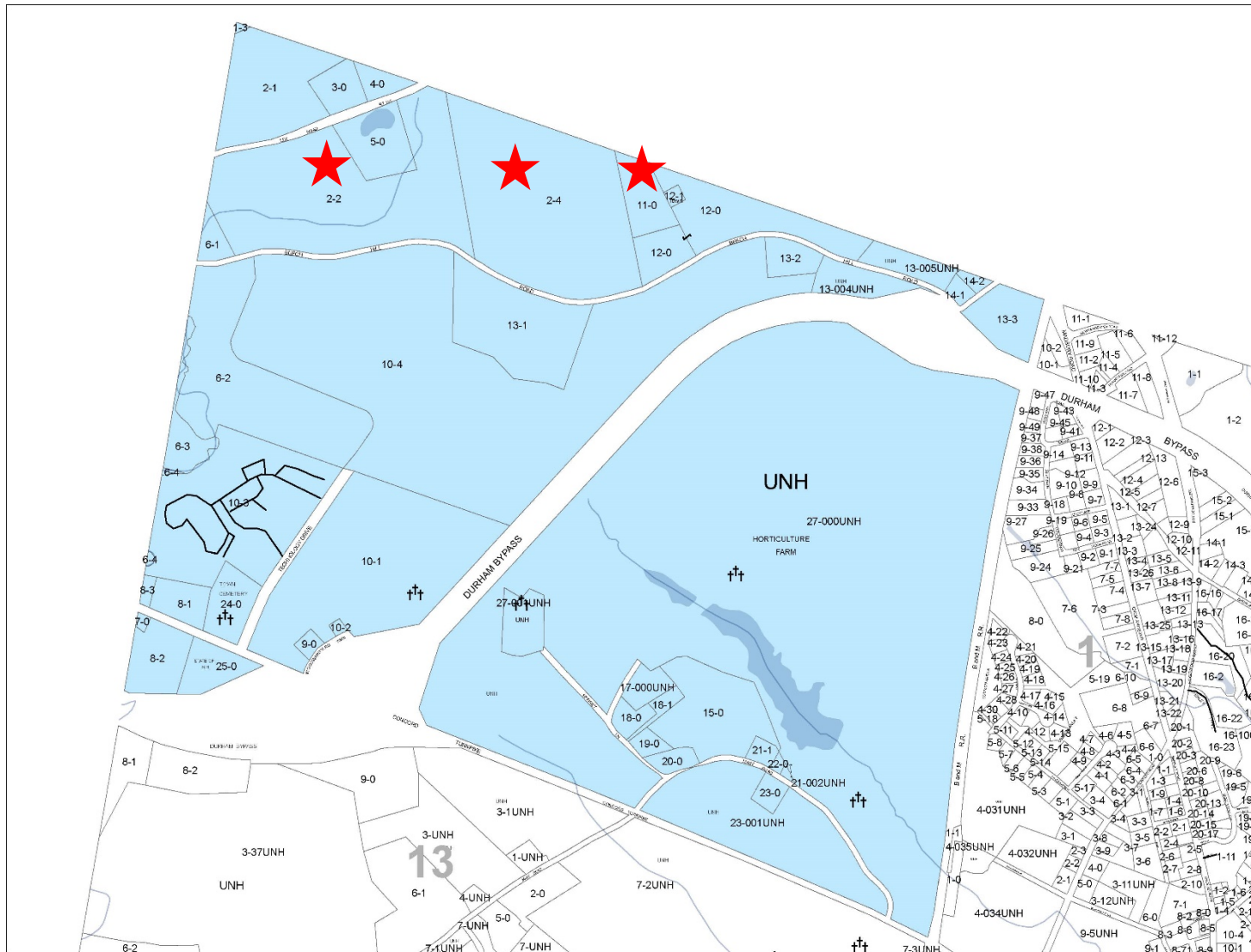
### Legend

- Adjacent Map Sheets
- Current Map Sheet
- †† Cemetery

1 inch = 882 feet

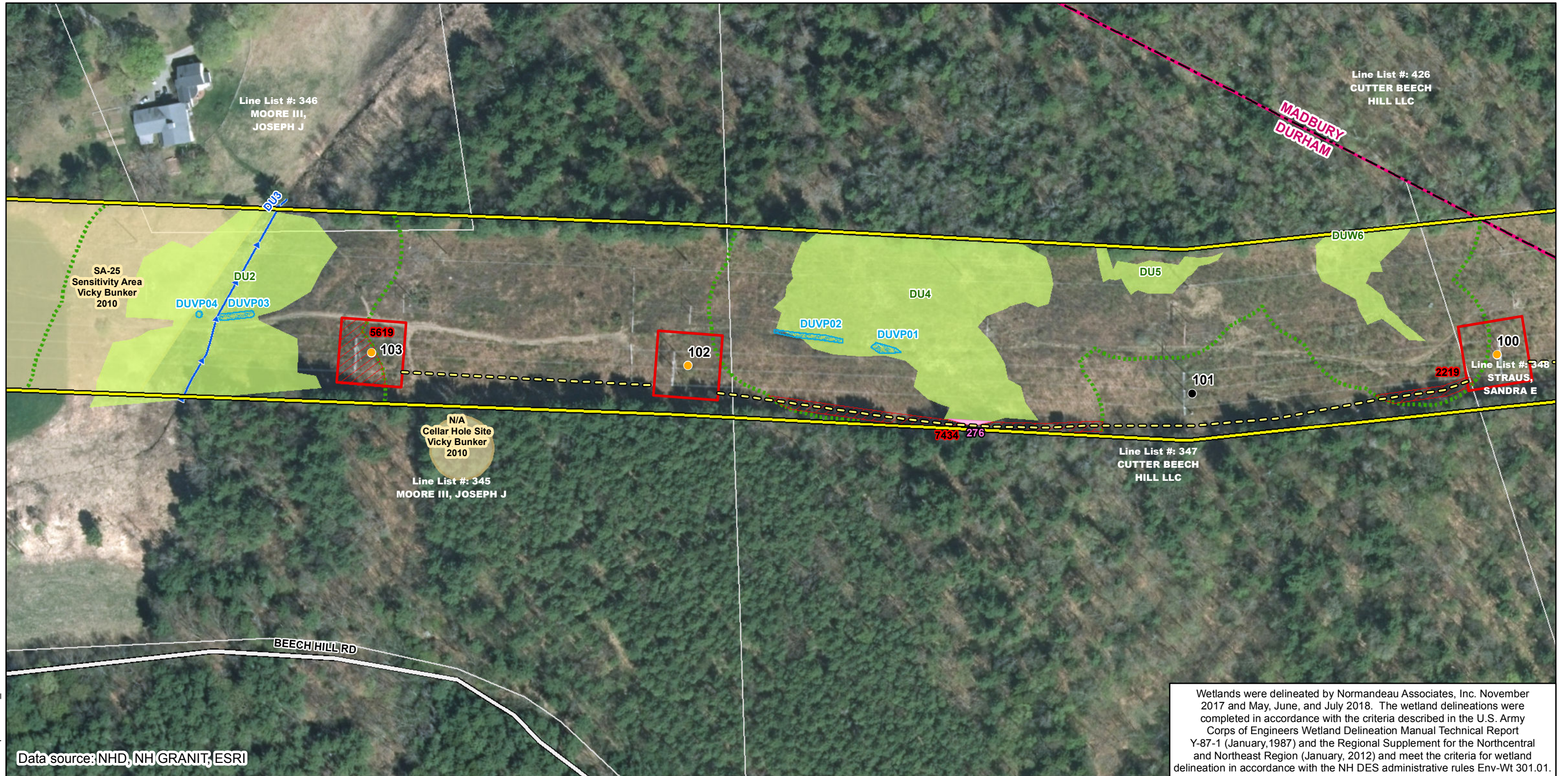
This map was updated by  
Strafford Regional Planning  
and the Town of Durham  
February 2018.

**THIS MAP IS FOR ASSESSMENT  
PURPOSES ONLY.  
IT IS NOT INTENDED FOR  
LEGAL DESCRIPTION OR CONVEYANCE.**



## **4 Proposed Plans**

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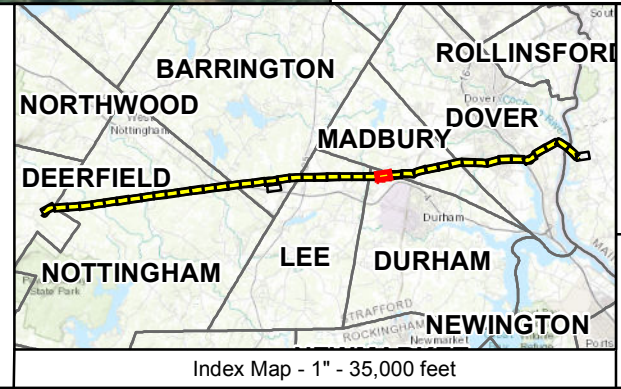
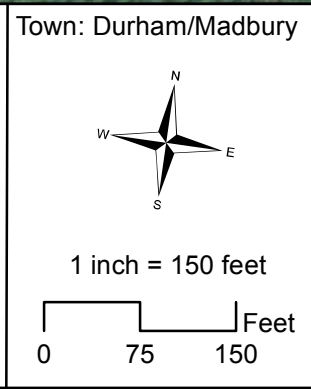
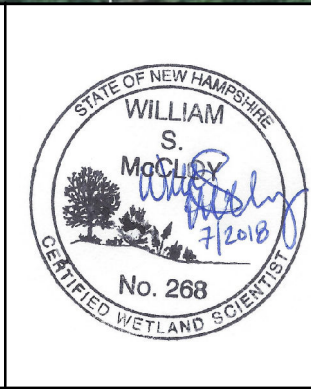


Data source: NHD, NH GRANIT, ESRI

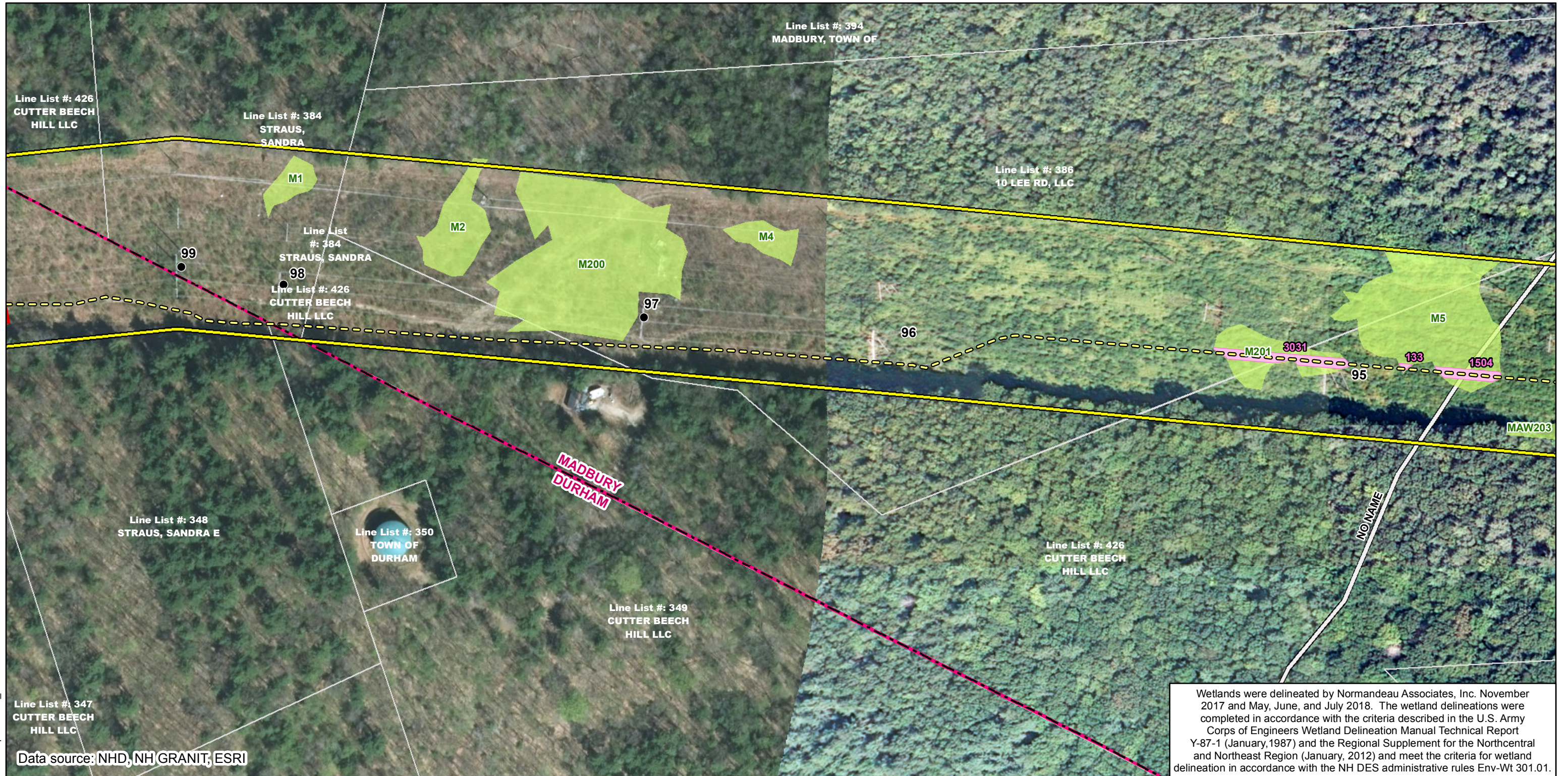
Wetlands were delineated by Normandeau Associates, Inc. November 2017 and May, June, and July 2018. The wetland delineations were completed in accordance with the criteria described in the U.S. Army Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1 (January, 1987) and the Regional Supplement for the Northcentral and Northeast Region (January, 2012) and meet the criteria for wetland delineation in accordance with the NH DES administrative rules Env-Wt 301.01.

J:\Projects\Eversource\_307\MXD\REV\_307\_StructureReplacement\_111219.mxd

● Existing Structure to be Replaced	▨ Estimated Wetland	■ Arch. Sensitive Area
● Existing Structure to Remain	■ Wetlands	□ Work Pad
— Primary Access Road	▨ Town of Durham 100' Wetland Buffer	□ 307 Right-of-way
— Alternate Access Road	▨ City of Dover 50' Wetland Buffer	▨ Roads NHDOT
▨ Temporary Wetland Impact	▨ 50' Waterfront Buffer	▨ Town Line
— Stream Centerline	▨ 150' Woodland Buffer	□ Parcels
▨ Stream Top of Bank	▨ 250' Protected Shoreland	▨ City of Dover Temporary Wetland Buffer Impacts
▨ Vernal Pools	▨ 100' Tidal Buffer Zone	▨ Town of Durham Temporary Wetland Buffer Impact



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 2020 Structure Replacement  
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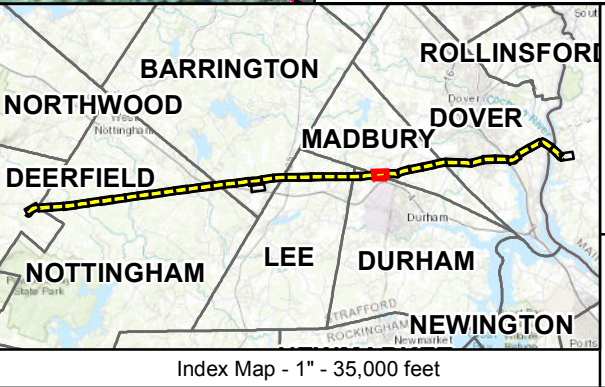
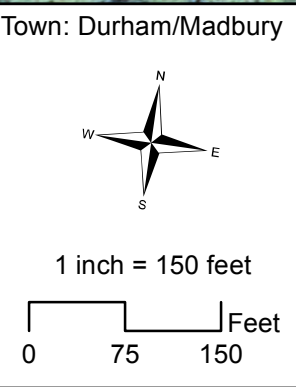


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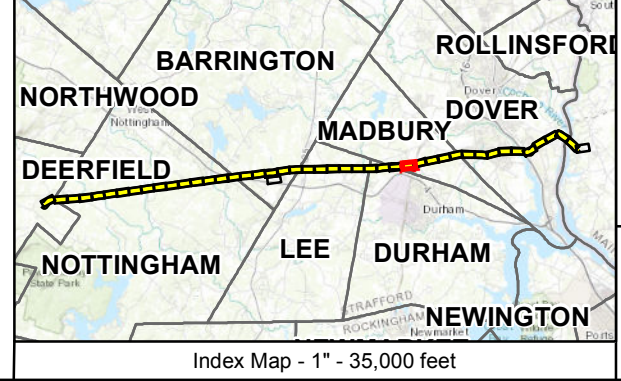
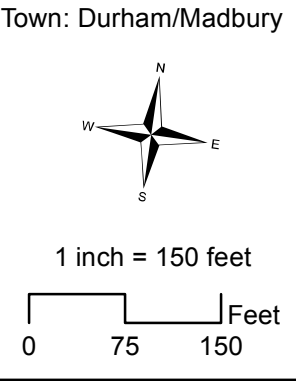
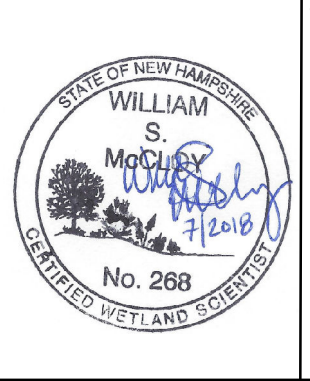
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Line List #: 426 CUTTER BEECH  
Data source: NHD, NH GRANIT, ESRI

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|--|--|---|
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