



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

Kathleen M. Shanley
Manager – Transmission Siting
Tel: (860) 728-4527

December 17, 2019

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

Re: Sub-Petition No. 1293-EN-02

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-EN-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Enfield Connecticut. The work includes replacing 11 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipality of Enfield of Eversource's submission of the Sub-Petition and sent copies of the Sub-Petition to owners of directly abutting properties (see Proof of Notice).

Enclosed please find an original and 3 copies of this filing.

Please contact me at 860-728-4527 if you have any questions regarding the enclosed Sub-Petition.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley". The signature is fluid and cursive, with a large loop at the end.

Enclosures

Attachments:
Exhibit A: Sub-Petition
Exhibit B: Photographs and Photo Simulation
Exhibit C: Maps
Exhibit D: Abutter Letter and Proof of Notice

ATTACHMENT A
SUB-PETITION

**THE CONNECTICUT LIGHT AND POWER COMPANY doing business as
EVERSOURCE ENERGY**

Sub-Petition
CONNECTICUT SITING COUNCIL – PETITION NO. 1293
TRANSMISSION FACILITY ASSET CONDITION
MAINTENANCE IMPROVEMENTS TO COMPLY
WITH THE UPDATED NATIONAL ELECTRIC
SAFETY CODE CLEARANCE REQUIREMENTS

Town: Enfield

Sub-Petition 1293-EN-02

Project: 1858 Transmission Line Structure Replacement Project

Structure Locations: 11 Transmission Line Structures located in Enfield, Connecticut

I. Introduction:

In accordance with Condition 1 of the March 30, 2017 ruling by the Connecticut Siting Council (the "Council") (as set forth in the Council's March 31, 2017 letter) regarding Petition No. 1293, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") submits this Sub-Petition.

II. Description of Transmission Work Activities:

Eversource's 1858 Transmission Line Structure Replacement Project is part of an ongoing maintenance program which evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to ensure the safe and reliable transmission of power to its customers. Due to asset condition, many structures require replacement on a portion of the 1858 Line between a location just north of Campania Road in Enfield and a location just east of Mayfield Drive in Enfield. The 1858 Line, in its entirety, is a 115-kilovolt single-circuit line that extends from South Agawam Substation in Agawam, MA through Longmeadow MA, then into the Connecticut towns of Suffield and Enfield and back into MA to Franconia Substation in Longmeadow. Of the Connecticut structures that will be replaced, 11 structures require a slight increase in structure height to comply with current clearance requirements. These 11 structures to be replaced are a mix of wood H-Frame and monopole structures.

Eversource plans to conduct transmission structure replacement work to remediate wood structure damage caused by structure age, weather, and woodpecker activity. The following work ("Work Activities") will be performed:

- Replace 11 existing wood structures with new weathering steel structures. Each replacement structure will be of the same design as its corresponding existing structure, though slightly taller (10 feet or less) than the existing structure. The replacement structures will be installed within 15 feet of the existing structure locations.

III. No Substantial Adverse Environmental Effect:

Eversource respectfully submits that the proposed modifications would have no "substantial adverse environmental effect" pursuant to Conn. Gen. Stat. § 16-50k, based on the following factors:

- a) All Work Activities would take place in areas within Eversource's property or existing right-of-way ("ROW") utilizing existing and proposed new permanent access roads, as well as some temporary access roads (collectively the "Work Areas"). Some of the existing access roads would be improved. Eversource can access the structure replacement locations utilizing its existing rights however, in some locations, it has secured rights for off-ROW access routes to minimize the amount of proposed access roads that would need to be installed within the ROW.
- b) Collectively, the Work Activities would result in approximately 48,491 square feet ("SF") of temporary wetland/watercourse impacts, limited to temporary construction matting required for the construction of access roads and work pads for six structures as follows:

Wetland Number	Structure Number	Construction Work Pads Temporary Impacts (SF)	Access Roads Temporary Impacts (SF)
W34	22025	0	±247
W35	22029	±16,726	±332
W35	22030	0	±4,475
W46	22057	±8,800	±3,364
W46	22058	0	±321
W48	22060	±5,348	±6,556
W50	22060	0	±2,322
<i>Subtotals:</i>		<i>±30,874</i>	<i>±17,617</i>
TOTAL:		±48,491	

Work would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements)*, September 2016 ("BMPs") to avoid impacts to nearby wetland and watercourse resources.

- c) No vernal pools are located in proximity to the Work Areas.
- d) As a result of Eversource's review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base ("NDDB"), only the Work Activities associated with the access and work pads for Structures 22057, 22058, and 22060 are proposed within a NDDB buffered area and wetland jurisdictional area and therefore would be subject to a NDDB review request. Eversource is currently in consultation with CTDEEP regarding Eversource's proposed work in these areas and will adhere to any state-listed species protection measures recommended by CTDEEP, as necessary. Any recommended measures will be incorporated into Eversource's BMPs during construction. With these protection measures, no adverse impacts to state-listed rare species are anticipated.
- e) The Work Activities will not require any tree clearing. However, Eversource may need to undertake tree trimming and/or vegetation removal/mowing within the managed ROW corridor to improve access to portions of the Work Areas.

- f) A Phase 1A assessment review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office conducted by Heritage Consultants, LLC (“Heritage”), did not identify any National or State Register of Historic Places properties/districts located within 500 feet of the Work Areas. Based on a review of historic maps, aerial photographs and available soil profiles, four of the proposed work pad locations associated with Structures 22025, 22039, 22047 and 22054 were identified to possess a potential for moderate to high archaeological sensitivity. Heritage completed a Phase 1B cultural reconnaissance survey (shovel pit testing) at the work pad locations for Structures 22025 and 22039 and found no physical evidence of cultural deposits or archaeological significance. The work pads for Structures 22047 and 22054 will be matted, avoiding any impact to potential cultural resources. Based on the forgoing, Heritage advised that no further investigation is recommended.
- g) Increases in the heights of the 11 replacement structures will average approximately 6 feet and none will exceed 10 feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- i) There are no 100-year flood zones in the Work Areas.
- j) No change in noise levels would result from the installation of the new structures and the applicable line would continue to comply with the State of Connecticut noise regulations.
- k) Any changes in electric and magnetic field levels outside the ROW would be negligible.

IV. Mitigation:

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment controls ("E&S") will be employed and maintained, as needed, for the duration of the Work Activities in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the BMPs.
- Potential impacts to wetlands and watercourses will be mitigated with the use of temporary construction matting and adherence to the BMPs.
- Any NDDB recommended rare species protective measures will be incorporated into Eversource’s BMPs during construction.
- Eversource's contractor will perform construction sequencing such that any earth materials are exposed for a minimum of time before they are covered, seeded, or otherwise stabilized to prevent erosion.
- During construction, when necessary, anti-tracking mats would be installed at construction entrances onto public roads to prevent tracking of soil onto local streets.
- Upon completion of the Work Activities, all disturbed/exposed areas would be stabilized and revegetated. After the establishment of permanent ground cover, Eversource's contractor would remove the temporary E&S controls and remove/dispose of any accumulated sediments and debris from areas where such measures were used.

V. Access:

Some new permanent access roads would be constructed to facilitate access to structures on Eversource property and/or within the ROW and existing access roads in upland areas may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles. Construction matting would be used on temporary access roads in wetlands as well as in agricultural/maintained lawn upland areas. The matting will be removed upon completion of the Work Activities and the areas restored, as necessary.

Eversource would access the Work Areas by entering its property and/or the ROW from existing access points on public roads as follows:

Enfield

- Campania Road for Structures 22025 and 22026
- Bright Meadow Boulevard for Structures 22029 and 22030
- Booth Road for Structures 22037 and 22039
- Brainard Road for Structure 22047
- Mayfield Drive and/or Wolf Swamp Road for Structures 22054, 22057, 22058, and 22060

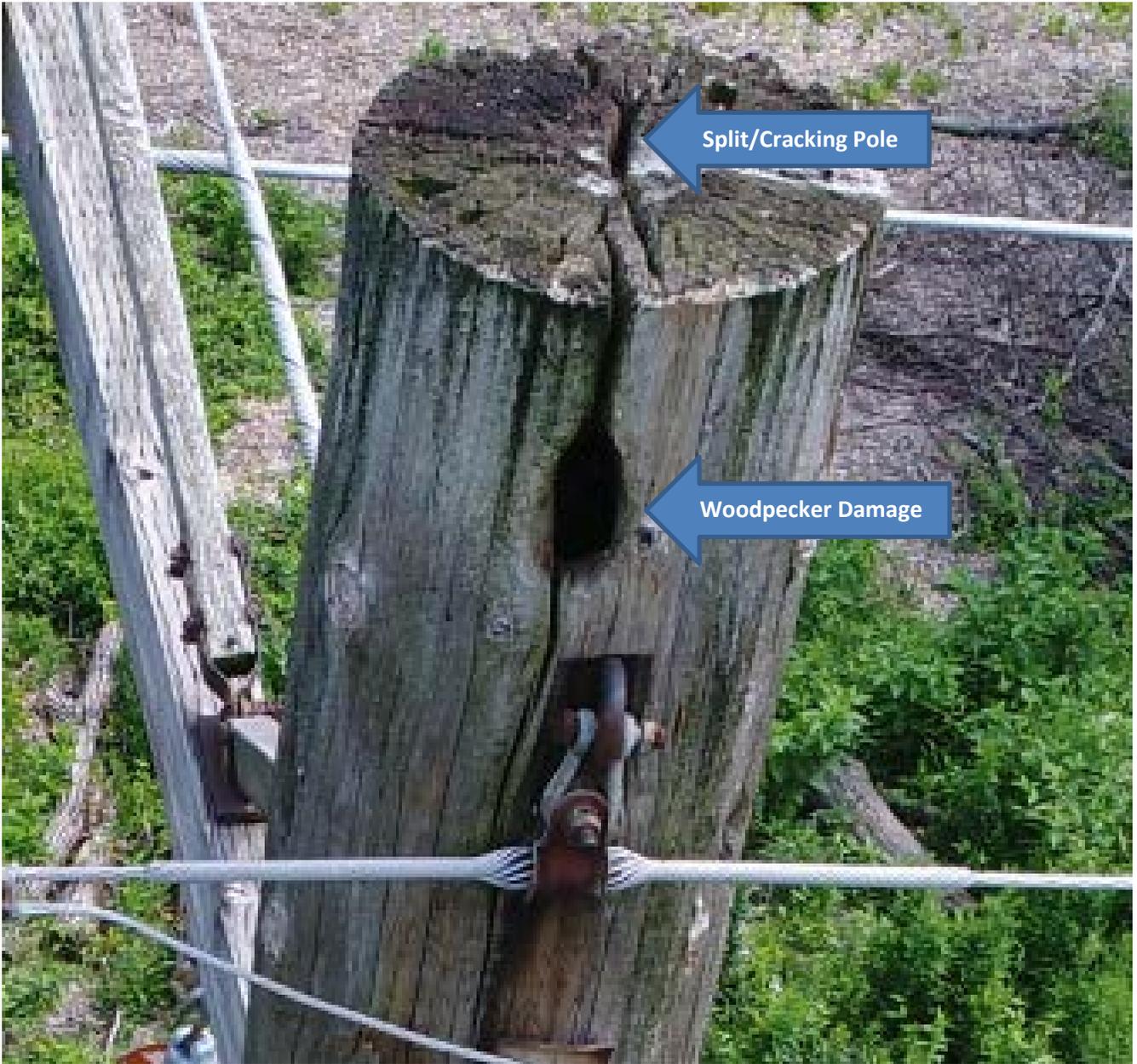
By:



Kathleen M. Shanley
Manager - Transmission Siting

ATTACHMENT B
PHOTOGRAPHS AND
PHOTO SIMULATION

Structure #22026



Structure #22030



Structure #22054



Structure #22057





EXISTING

1858 LINE

STRUCTURE 22054

LOCATION

**MAYFIELD DRIVE
ENFIELD, CT**

ORIENTATION

NORTHEAST





PROPOSED

1858 LINE

STRUCTURE 22054

LOCATION

**MAYFIELD DRIVE
ENFIELD, CT**

ORIENTATION

NORTHEAST



ATTACHMENT C

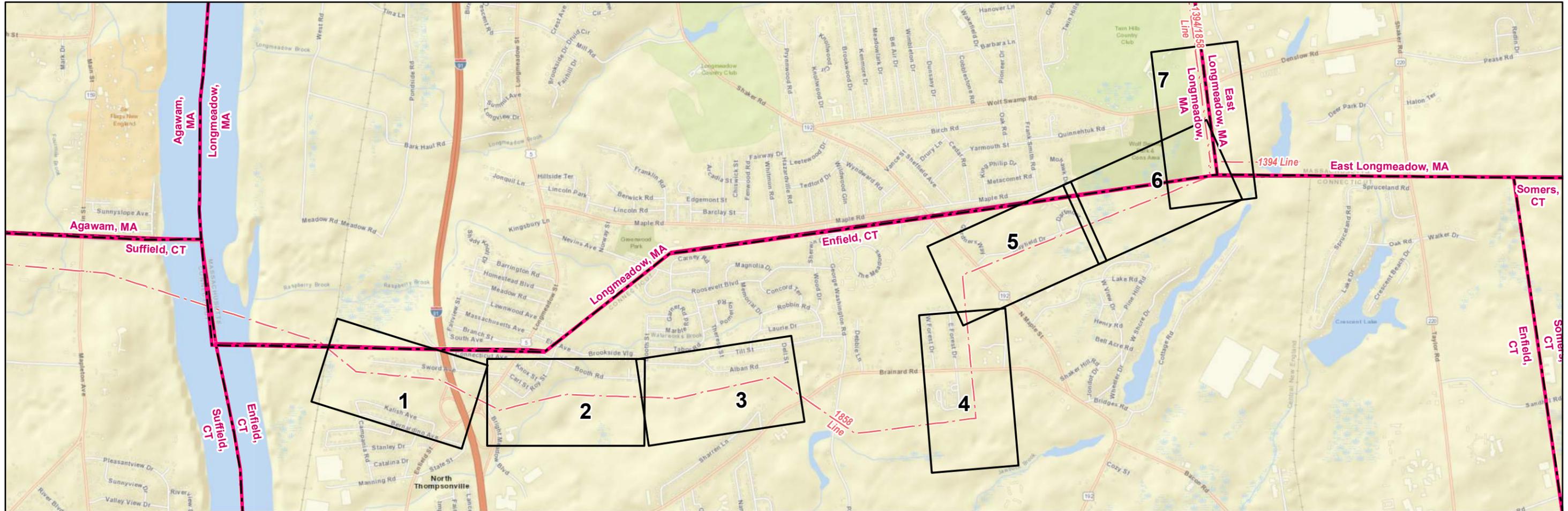
MAPS

1858 LINE STRUCTURE REPLACEMENT PROJECT

Enfield, Connecticut

SUB-PETITION MAP SET

Date: December 11, 2019



Legend

- Map Sheet
- Overhead Eversource Line
- Municipal Boundary



0 1,000 2,000 4,000
Feet

INDEX OF FIGURES
TITLE SHEET / INDEX MAP
MAP SHEETS 1-7
ABUTTER TABLES

PREPARED FOR:

EVERSOURCE

107 Selden Street
Berlin, CT 06037

PREPARED BY:

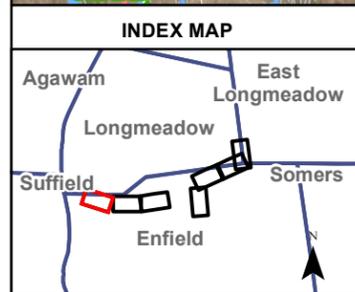
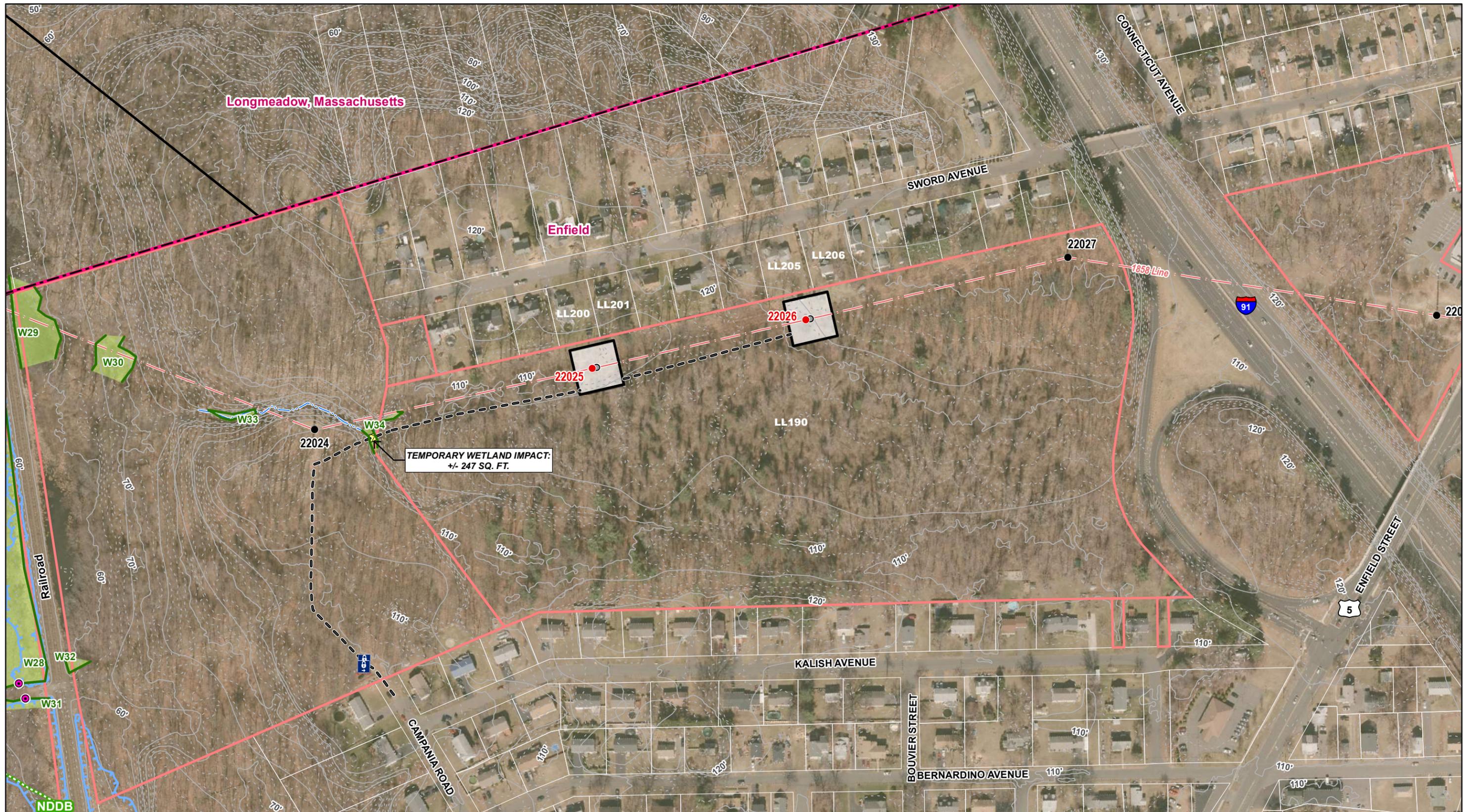
Tighe & Bond
Engineers | Environmental Specialists

213 Court Street
Middletown, CT 06457

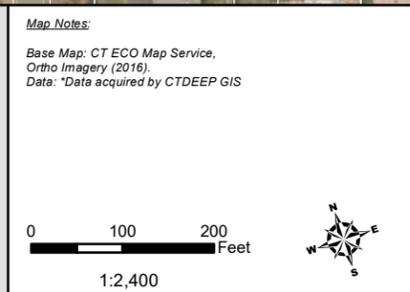
1858 Line Structure Replacement Project

Map Sheet 1 Abutters List

Line List #	Owner Name	Parcel Address	Town	State
LL190	CONN LIGHT + POWER COMPANY	ENFIELD ST	ENFIELD	CT
LL200	COLE E + SHELLEY J BROWN	65 SWORD AVE	ENFIELD	CT
LL201	JOYCE L WHITE	63 SWORD AVE	ENFIELD	CT
LL205	SAMANTHA E MARCELLINO	55 SWORD AVE	ENFIELD	CT
LL206	RONALD R + DEBORAH C TREMBLAY	53 SWORD AVE	ENFIELD	CT



Legend	
● Proposed Structure	—X—X— Fence
● Existing Structure	—X—X— Approximate Gas Line
○ Existing Structure to be Removed	— Field Delineated Wetland
● Culvert	— Open Water*
■ Gate	— Stone Work Pad
— Existing Right-of-Way	— Temporary Construction Matting
— Delineated Intermittent Watercourse	— Natural Diversity Database (June 2019)*
— Delineated Perennial Watercourse	— Contour Line 10 ft
	— Contour Line 2 ft
	— Critical Habitat*
	— FEMA 100-Year Flood Zone*
	— Floodway*
	— Eversource Owned Property
	— State-Owned Property*
	— Parcel Boundary
	— Municipal Boundary*



**1858 Line
Structure Replacement Project**

Enfield, Connecticut

Mapsheets 1 of 7

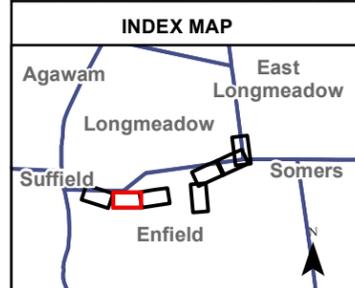
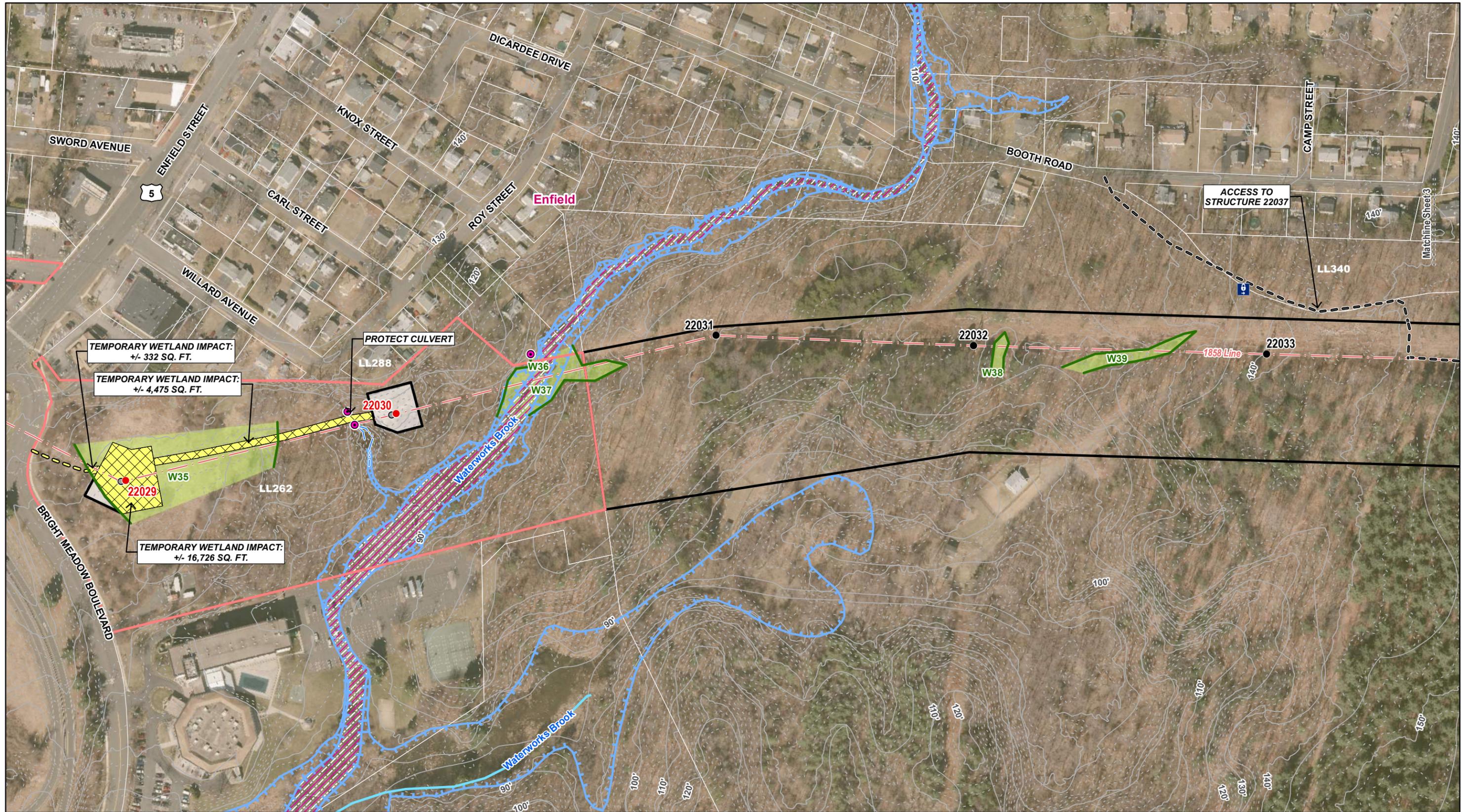
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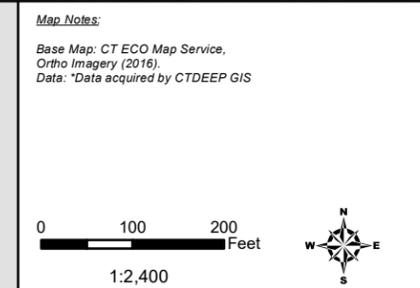
December 2019

1858 Line Structure Replacement Project
Map Sheet 2 Abutters List

Line List #	Owner Name	Parcel Address	Town	State
LL262	CONN LIGHT + POWER COMPANY	BRIGHT MEADOW BLVD	ENFIELD	CT
LL288	JILL A + ADAM R MICHAUD	4 ROY ST	ENFIELD	CT
LL340	CONN WATER COMPANY	BRAINARD RD	ENFIELD	CT



Legend	
● Proposed Structure	—x—x— Fence
● Existing Structure	—x—x— Approximate Gas Line
○ Existing Structure to be Removed	■ Field Delineated Wetland
● Culvert	■ Open Water*
⊠ Gate	■ Eversource Owned Property
— Existing Right-of-Way	■ State-Owned Property*
— Delineated Intermittent Watercourse	■ Parcel Boundary
— Delineated Perennial Watercourse	■ Municipal Boundary*
— Delineated Wetland Boundary	■ Critical Habitat*
— Existing	■ FEMA 100-Year Flood Zone*
— Proposed	■ Floodway*
— Proposed Alternate	■ Eversource Owned Property
— Access Road to be Improved	■ State-Owned Property*
— Contour Line 10 ft	■ Parcel Boundary
— Contour Line 2 ft	■ Municipal Boundary*
■ Temporary Construction Matting	
■ Natural Diversity Database (June 2019)*	



1858 Line
Structure Replacement Project

Enfield, Connecticut

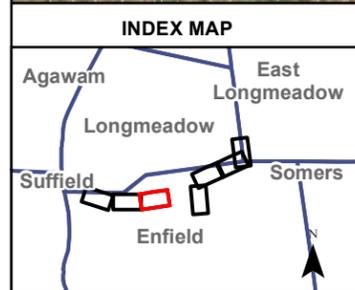
Mapsheets 2 of 7

Engineers | Environmental Specialists
 December 2019

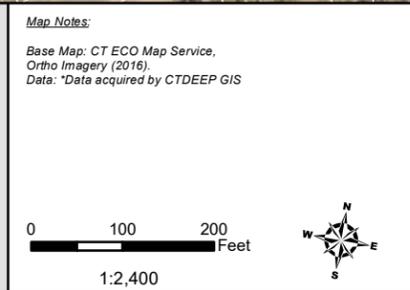
1858 Line Structure Replacement Project

Map Sheet 3 Abutters List

Line List #	Owner Name	Parcel Address	Town	State
LL340	CONN WATER COMPANY	BRAINARD RD	ENFIELD	CT
LL369	KHALED YOUNES	7 ALBAN RD	ENFIELD	CT
LL371	RYSZARD CHMIELEWSKI + AGNIESZKA SZEWC	5 ALBAN RD	ENFIELD	CT
LL382	CONN LIGHT + POWER COMPANY	BRAINARD RD	ENFIELD	CT



Legend	
● Proposed Structure	Watercourse (not delineated)*
● Existing Structure	Delineated Wetland Boundary
○ Existing Structure to be Removed	Existing Access
○ Culvert	Proposed Access
⊕ Gate	Proposed Alternate Access
— Existing Right-of-Way	Access Road to be Improved
- - - Delineated Intermittent Watercourse	Contour Line 10 ft
- - - Delineated Perennial Watercourse	Contour Line 2 ft
x-x-x Fence	Approximate Gas Line
Field Delineated Wetland	Open Water*
Stone Work Pad	Temporary Construction Matting
Natural Diversity Database (June 2019)*	Critical Habitat*
	FEMA 100-Year Flood Zone*
	Floodway*
	Eversource Owned Property
	State-Owned Property*
	Parcel Boundary
	Municipal Boundary*



**1858 Line
Structure Replacement Project**

Enfield, Connecticut

Mapsheets 3 of 7

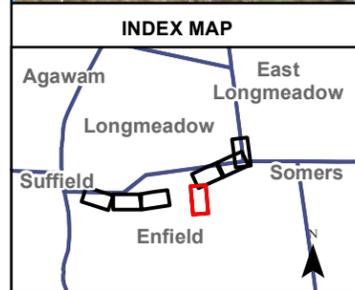
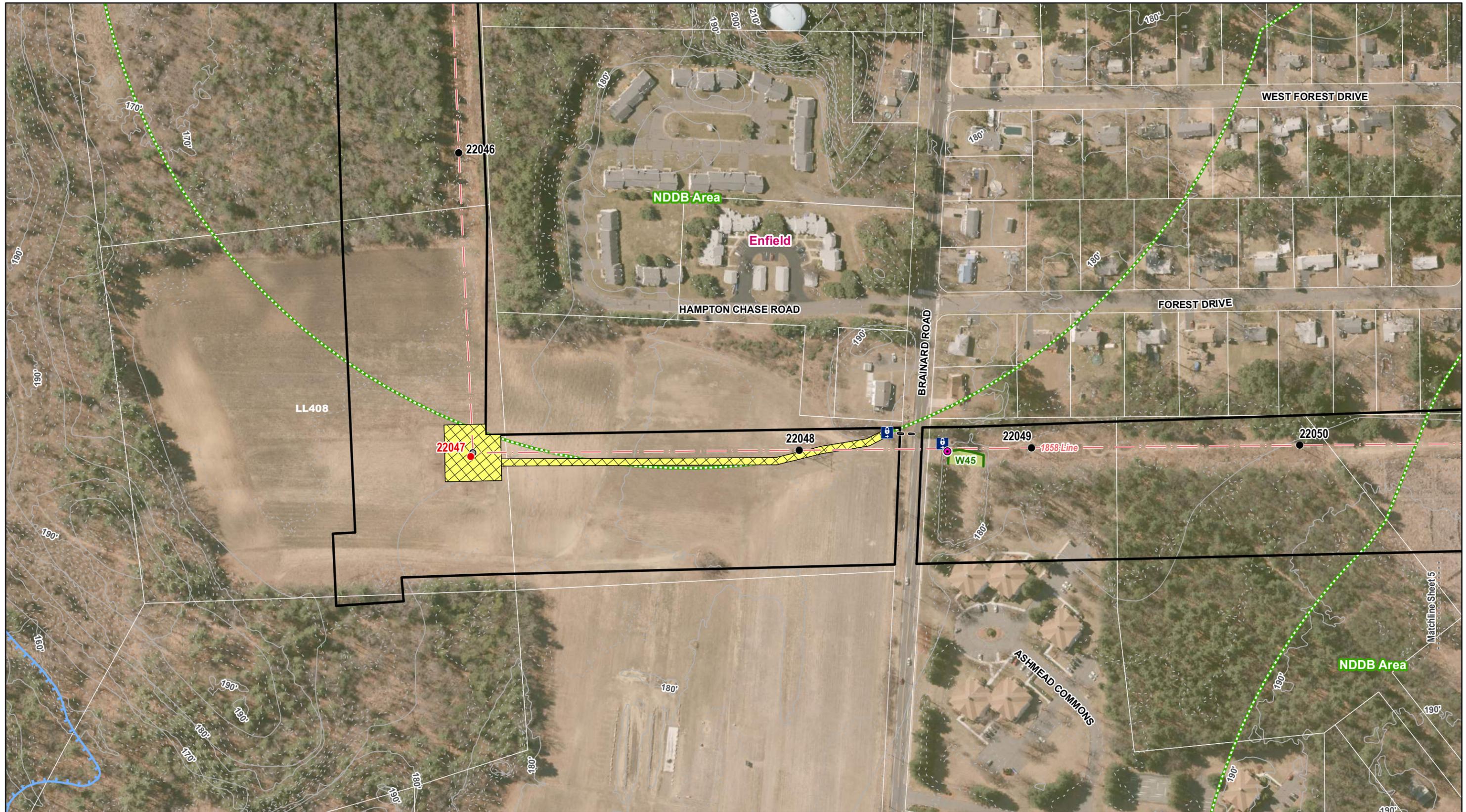
EVERSOURCE

Tighe & Bond
Engineers | Environmental Specialists

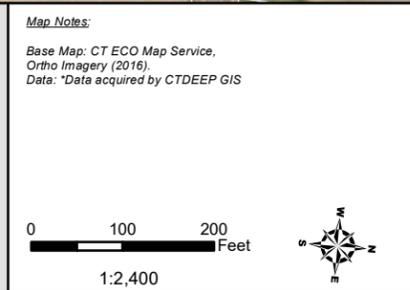
December 2019

1858 Line Structure Replacement Project
Map Sheet 4 Abutters List

Line List #	Owner Name	Parcel Address	Town	State
LL408	SWOLS REALTY LLC	GEORGE WASHINGTON RD	ENFIELD	CT



Legend	
● Proposed Structure	—X—X— Fence
● Existing Structure	—X—X— Approximate Gas Line
○ Existing Structure to be Removed	■ Field Delineated Wetland
⊙ Culvert	■ Open Water*
⊕ Gate	■ Eversource Owned Property
— Existing Right-of-Way	■ State-Owned Property*
--- Delineated Intermittent Watercourse	■ Parcel Boundary
--- Delineated Perennial Watercourse	■ Municipal Boundary*
— Existing Access	■ Critical Habitat*
— Proposed Access	■ FEMA 100-Year Flood Zone*
— Proposed Alternate Access	■ Floodway*
— Access Road to be Improved	■ Temporary Construction Matting
— Contour Line 10 ft	■ Stone Work Pad
--- Contour Line 2 ft	■ Natural Diversity Database (June 2019)*



**1858 Line
 Structure Replacement Project**

Enfield, Connecticut

Mapsheets 4 of 7

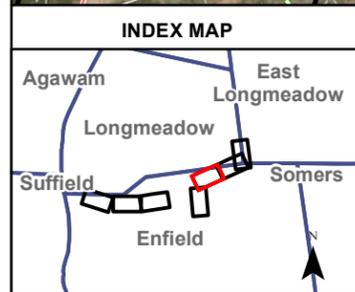
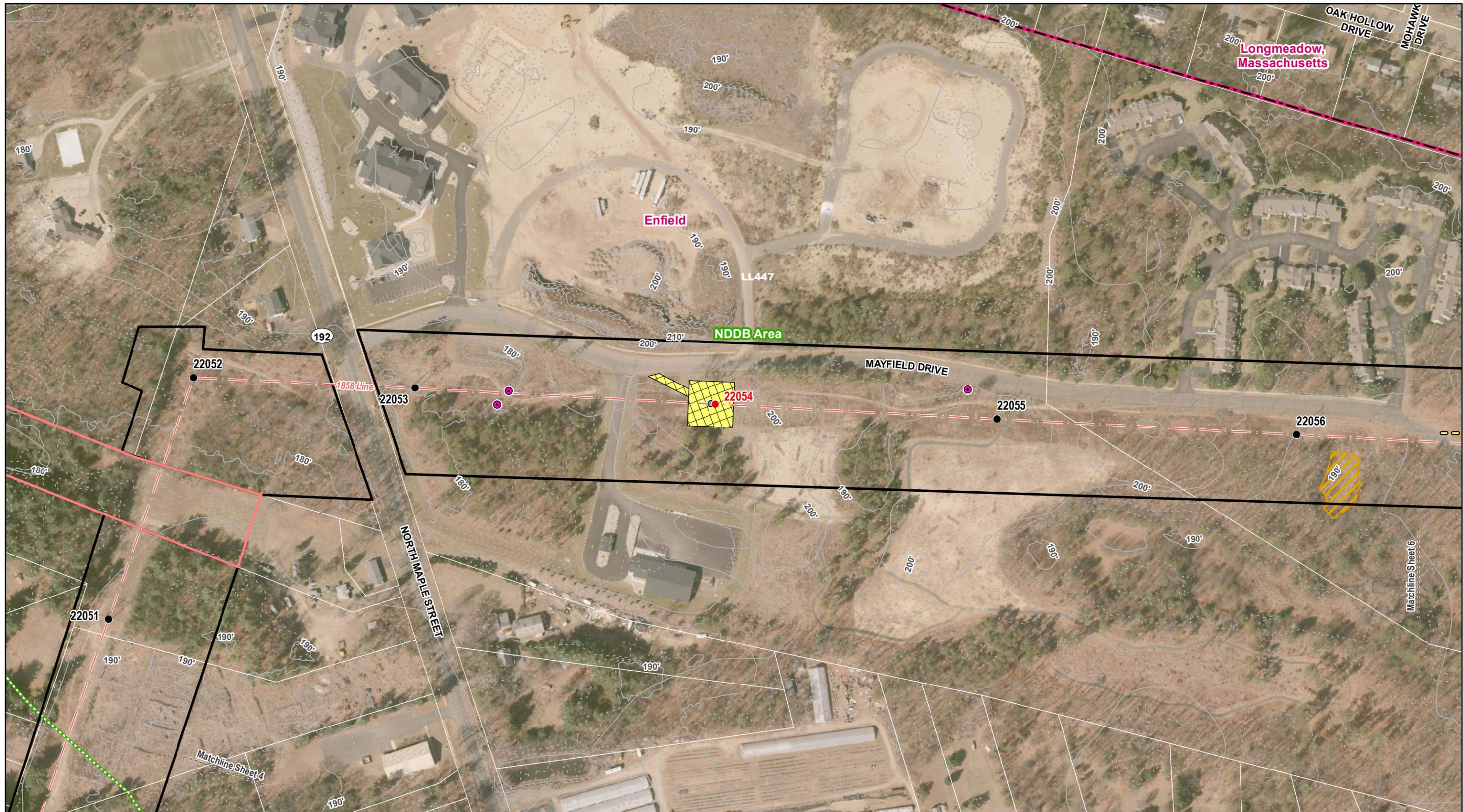
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December 2019

1858 Line Structure Replacement Project
Map Sheet 5 Abutters List

Line List #	Owner Name	Parcel Address	Town	State
LL447	MAYFIELD PLACE LLC	370 N MAPLE ST	ENFIELD	CT



Legend	
● Proposed Structure	—X—X— Fence
● Existing Structure	—X—X— Approximate Gas Line
○ Existing Structure to be Removed	■ Field Delineated Wetland
● Culvert	■ Open Water*
■ Gate	■ Eversource Owned Property
— Existing Right-of-Way	■ State-Owned Property*
— Delineated Intermittent Watercourse	■ Parcel Boundary
— Delineated Perennial Watercourse	■ Municipal Boundary*
— Existing Access	■ Critical Habitat*
— Proposed Access	■ FEMA 100-Year Flood Zone*
— Proposed Alternate Access	■ Floodway*
— Access Road to be Improved	■ Stone Work Pad
— Contour Line 10 ft	■ Temporary Construction Matting
— Contour Line 2 ft	■ Natural Diversity Database (June 2019)*

Map Notes:
 Base Map: CT ECO Map Service, Ortho Imagery (2016).
 Data: *Data acquired by CTDEEP GIS

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**1858 Line
 Structure Replacement Project**

Enfield, Connecticut

Mapsheets 5 of 7

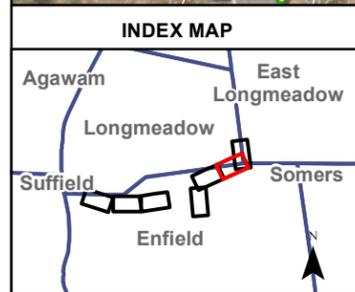
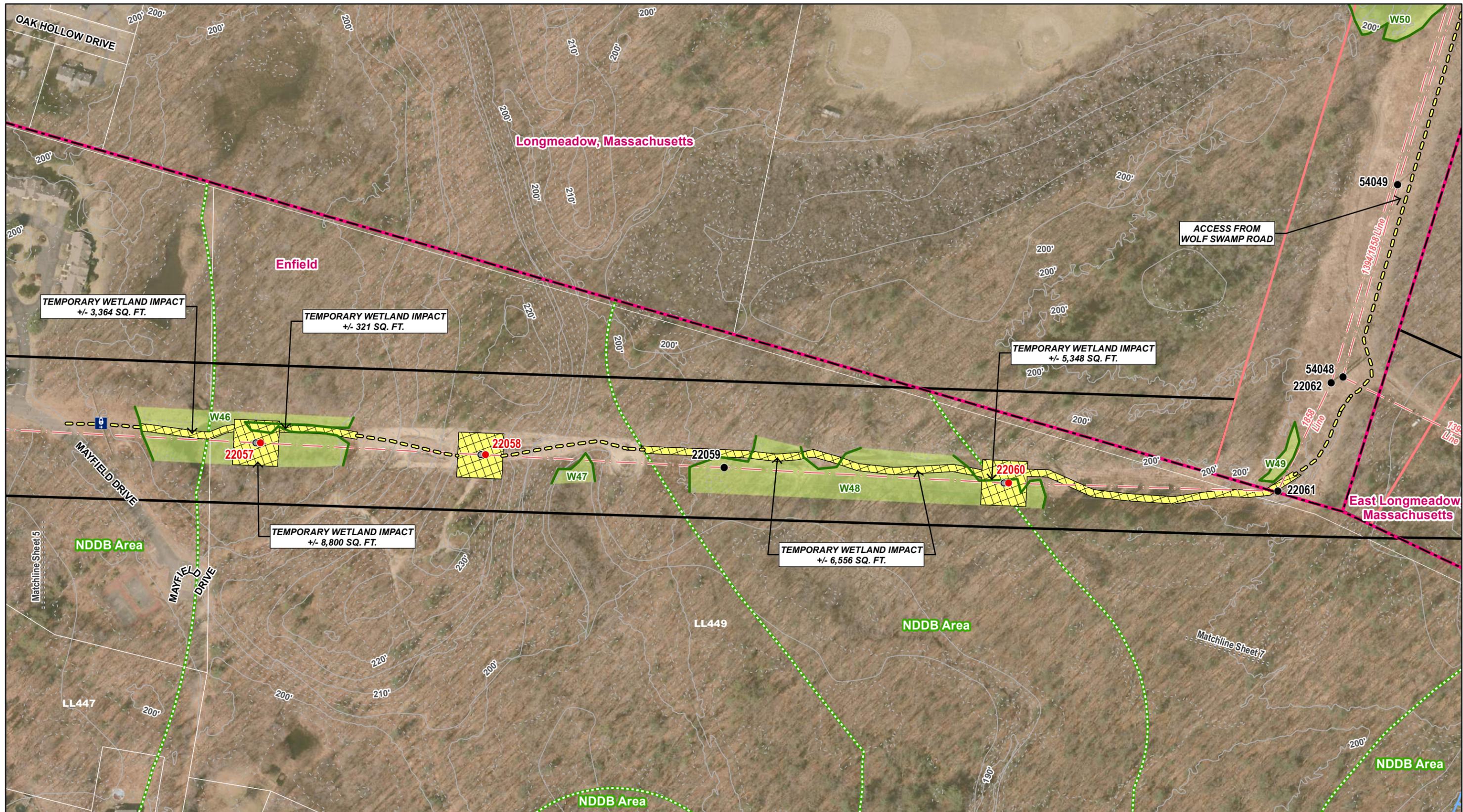
EVERSOURCE

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 Engineers | Environmental Specialists

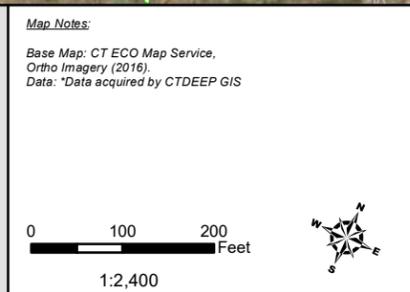
December 2019

1858 Line Structure Replacement Project
Map Sheet 6 Abutters List

Line List #	Owner Name	Parcel Address	Town	State
LL449	ANGELINA J MCGILLIVRAY	N MAPLE ST	ENFIELD	CT



Legend	
● Proposed Structure	Watercourse (not delineated)*
● Existing Structure	Delineated Wetland Boundary
○ Existing Structure to be Removed	Existing
● Culvert	Proposed
⊕ Gate	Proposed Alternate
— Existing Right-of-Way	Access Road to be Improved
--- Delineated Intermittent Watercourse	Contour Line 10 ft
--- Delineated Perennial Watercourse	Contour Line 2 ft
×-×- Fence	Approximate Gas Line
Field Delineated Wetland	Open Water*
Stone Work Pad	Temporary Construction Matting
Natural Diversity Database (June 2019)*	Critical Habitat*
	FEMA 100-Year Flood Zone*
	Floodway*
	Eversource Owned Property
	State-Owned Property*
	Parcel Boundary
	Municipal Boundary*



1858 Line
Structure Replacement Project

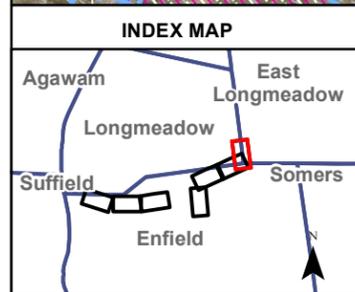
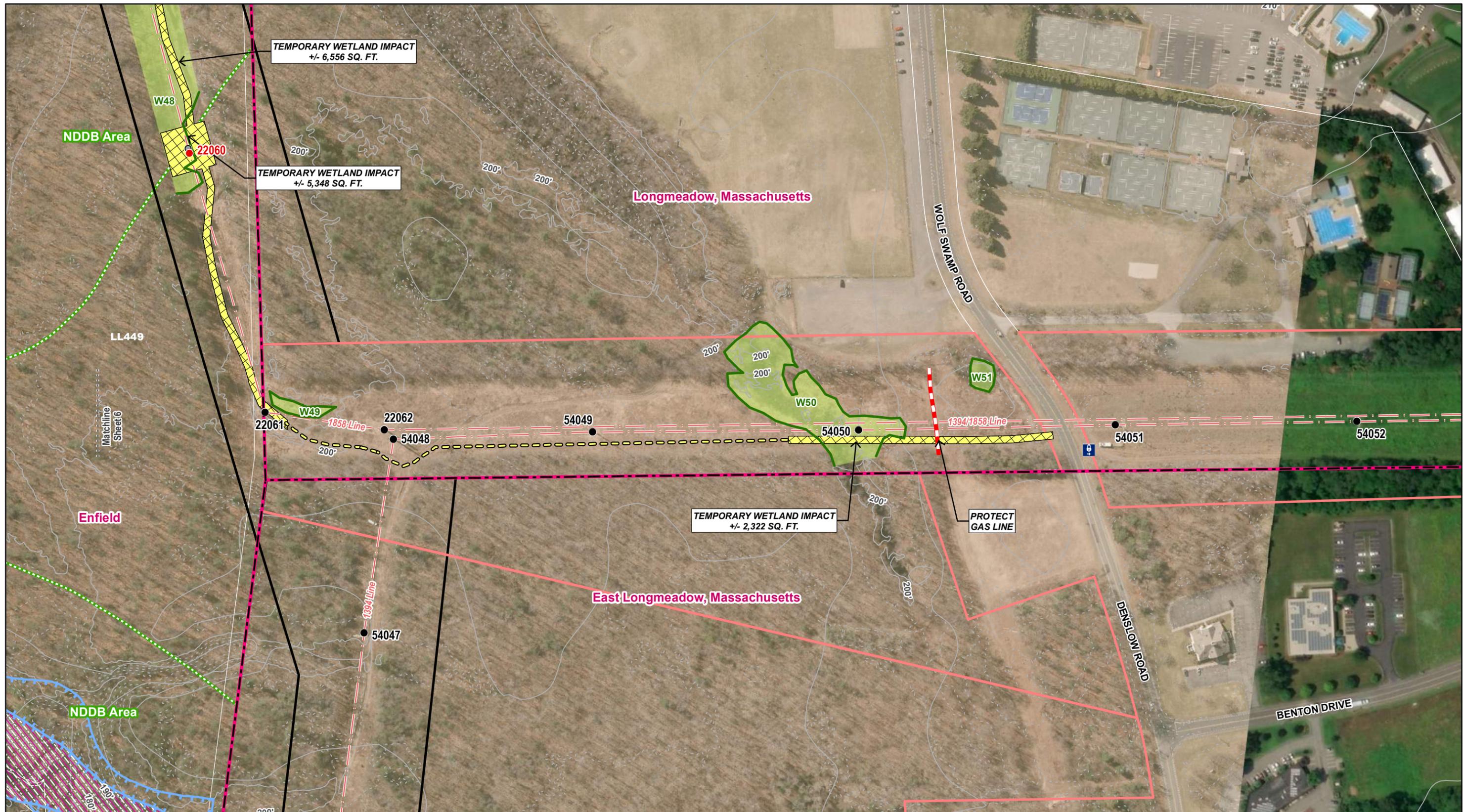
Enfield, Connecticut

Mapsheet 6 of 7

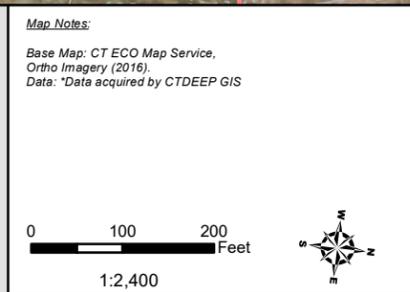
Engineers | Environmental Specialists
 December 2019

1858 Line Structure Replacement Project
Map Sheet 7 Abutters List

Line List #	Owner Name	Parcel Address	Town	State
LL449	ANGELINA J MCGILLIVRAY	N MAPLE ST	ENFIELD	CT



Legend	
● Proposed Structure	Watercourse (not delineated)*
● Existing Structure	Delineated Wetland Boundary
○ Existing Structure to be Removed	Existing
⊙ Culvert	Proposed
⊕ Gate	Proposed Alternate
— Existing Right-of-Way	Access Road to be Improved
--- Delineated Intermittent Watercourse	Contour Line 10 ft
--- Delineated Perennial Watercourse	Contour Line 2 ft
×-×- Fence	Approximate Gas Line
Field Delineated Wetland	Open Water*
Stone Work Pad	Temporary Construction Matting
Natural Diversity Database (June 2019)*	Critical Habitat*
	FEMA 100-Year Flood Zone*
	Floodway*
	Eversource Owned Property
	State-Owned Property*
	Parcel Boundary
	Municipal Boundary*



**1858 Line
Structure Replacement Project**

Enfield, Connecticut

Mapsheets 7 of 7

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December 2019

ATTACHMENT D
ABUTTER LETTER AND
PROOF OF NOTICE

December 17, 2019

Dear Neighbor,

As part of our everyday effort to deliver reliable energy to our customers and communities, we're planning work in your area to replace electric transmission structures. Maintaining the infrastructure that supports the electric lines is one of the ways Eversource ensures the safe, secure transmission of electricity throughout the region.

You're receiving this letter and a copy of the Sub-Petition because the proposed work would be taking place within the right of way on or near your property in Enfield. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-EN-02 this week to the Connecticut Siting Council (CSC) for its review and approval.

About This Electric System Improvement: What You Can Expect

First, we want you to know that this work will not interrupt electric service to your property.

As part of this project, we are proposing to replace, and slightly increase the height of the existing wood structures. The new, weathering steel structures will increase in height by 10 feet or less, depending on the location.

We are proposing to do the work within the existing rights of way on or near your property. The new structures will provide continued reliability of the transmission system.

Connecticut Siting Council Process and Timing

With this letter, Eversource is providing notice to you of its proposed work activity, as described in the enclosed Sub-Petition. If you have any comments or concerns about the project, please send them to the CSC at the following address within 30 days of the date of this letter: Melanie Bachman, Acting Executive Director; Connecticut Siting Council; Ten Franklin Square; New Britain, CT 06051. You may also email them to the siting.council@ct.gov. If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-EN-02 in your correspondence.

Our Commitment to You

We are committed to being a good neighbor and doing our work with respect for you and your property. If you would like more information about this work please call 1-800-793-2202, or send an email to ProjectInfo@eversource.com. Thank you.

Sincerely,

David Bearce

David Bearce
Eversource Project Manager – Transmission Projects

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Hartford
COUNTY OF HARTFORD)

In accordance with Condition 2 of the Connecticut Siting Council's ("Council") March 31, 2017 declaratory ruling on Petition No. 1293, I hereby certify that on December 18, 2019, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-EN-02 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipality listed below and 11 abutters. The notice of the proposed maintenance activities states that comments or concerns regarding the maintenance activities described in the Sub-Petition should be submitted to the Council within 30 days of the date of such notice.

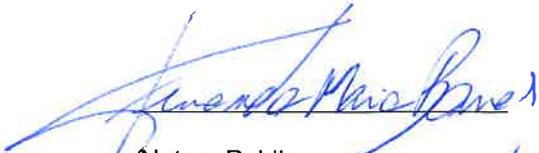
Municipal Official:

Christopher Bromson, Town Manager
Town of Enfield
820 Enfield Street
Enfield, CT 06082


James Smith
Project Siting Specialist

On this the 18th day of December, 2019, before me, the undersigned representative, personally appeared, James L. Smith, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.


Notary Public
My Commission expires: 9/30/2022

