



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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E-Mail: siting.council@ct.gov

www.ct.gov/csc

September 7, 2016

Kathleen M. Shanley
Manager-Transmission Siting
Eversource Energy
P.O. Box 270
Hartford, CT 06141-0270

RE: **PETITION NO. 1226** – Eversource Energy declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of the new 115-kV Towantic Switching Station to be located adjacent to the Towantic Generating Station on Woodruff Hill Road, Oxford, Connecticut and the proposed modifications within existing right-of-way to its existing 1575 and 1585 115-kV electric transmission line extending 6.1 miles from Bunker Hill Substation, located at Clough Road, Waterbury, south through Middlebury to the proposed Towantic Switching station and reconductoring of its existing 1575 115-kV electric transmission line extending one mile from the proposed new switching station south to Structure 1446 (Oxford Tap) located near the Oxford Substation, Commerce Drive, Oxford. **–Request to Install Temporary Structures**

Dear Ms. Shanley:

The Connecticut Siting Council (Council) is in receipt of your email correspondence dated September 7, 2016 regarding Eversource Energy's request of approval for the installation of two temporary structures at Baldwin Tap - a three pole wood structure 35 feet in height and a single pole wood structure 85 feet in height - to facilitate the safe construction/transition of the proposed modifications presented in the above-referenced Declaratory Ruling.

This request for the installation of temporary wood structures is consistent with the Council's May 27, 2016 Declaratory Ruling and is hereby approved.

This approval applies only to the request submitted via email on September 7, 2016. Any significant changes to the Declaratory Ruling require advance notification and approval.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the aforementioned request, the petition dated April 6, 2016, and additional information dated May 12, 2016 and May 17, 2016.

Thank you for your attention and cooperation.

Very truly yours,

Melanie A. Bachman
Acting Executive Director

MB/FC/lm

c: Council Members

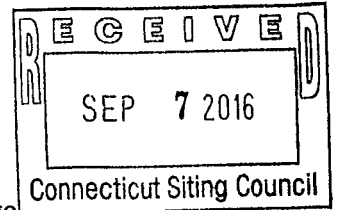
The Honorable Edward B. St. John, First Selectman, Town of Middlebury
Curtis S. Bosco, Planning and Zoning Chairman, Town of Middlebury

From: kathleen.shanley@eversource.com [mailto:kathleen.shanley@eversource.com]

Sent: Wednesday, September 07, 2016 1:06 PM

To: Bachman, Melanie <Melanie.Bachman@ct.gov>

Subject: Petition No. 1226 Towantic Switching Station and Line Modification: minor change



Melanie,

Per our recent discussion, Eversource Energy is requesting approval for the installation of two temporary structures at Baldwin Tap to facilitate the safe construction/transition of the proposed modifications presented in the subject Petition. The temporary structures are depicted on the attached pdf and consist of:

- a 3 pole 35 foot wood pole structure (same as the existing structure that is currently there)
- a single wood pole structure that will be 85 feet above ground

Please also see the attached mapsheets that depict the location of the temporary structures. The temporary structures are depicted on the far right of mapsheet 11 and on the far left on mapsheet 12.

The temporary structures are proposed to be installed immediately and will be removed in December. Eversource is conducting outreach notification to the Town of Middlebury today on the use of these temporary structures, but does not foresee any issues. I will advise you immediately if this turns out not to be the case.

Thank you for your consideration in this matter.

Regards,

Kathleen M. Shanley | Manager - Transmission Siting | Eversource | kathleen.shanley@eversource.com | Direct: (860) 728-4527

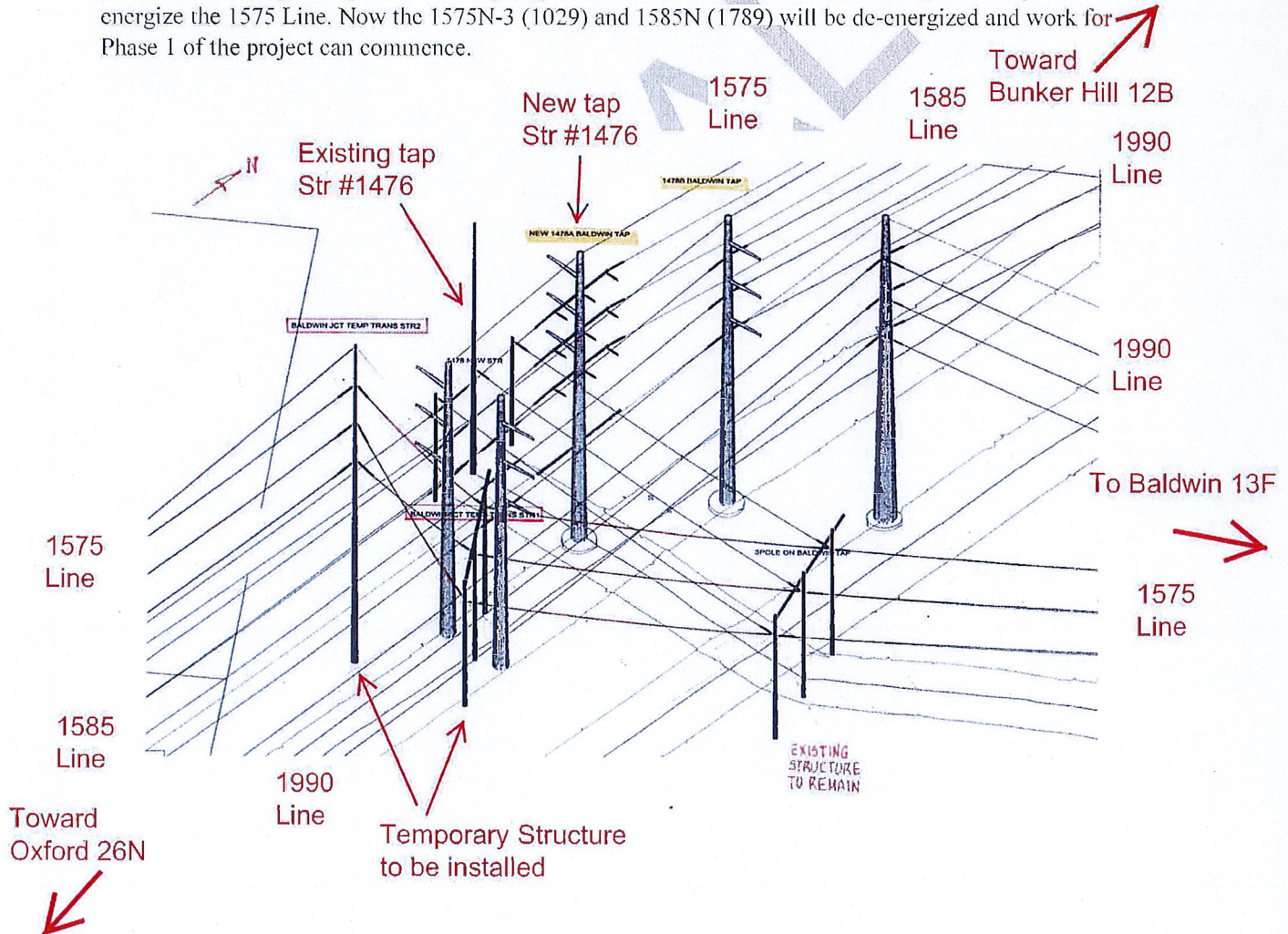
Northeast Utilities
is now
EVERSOURCE

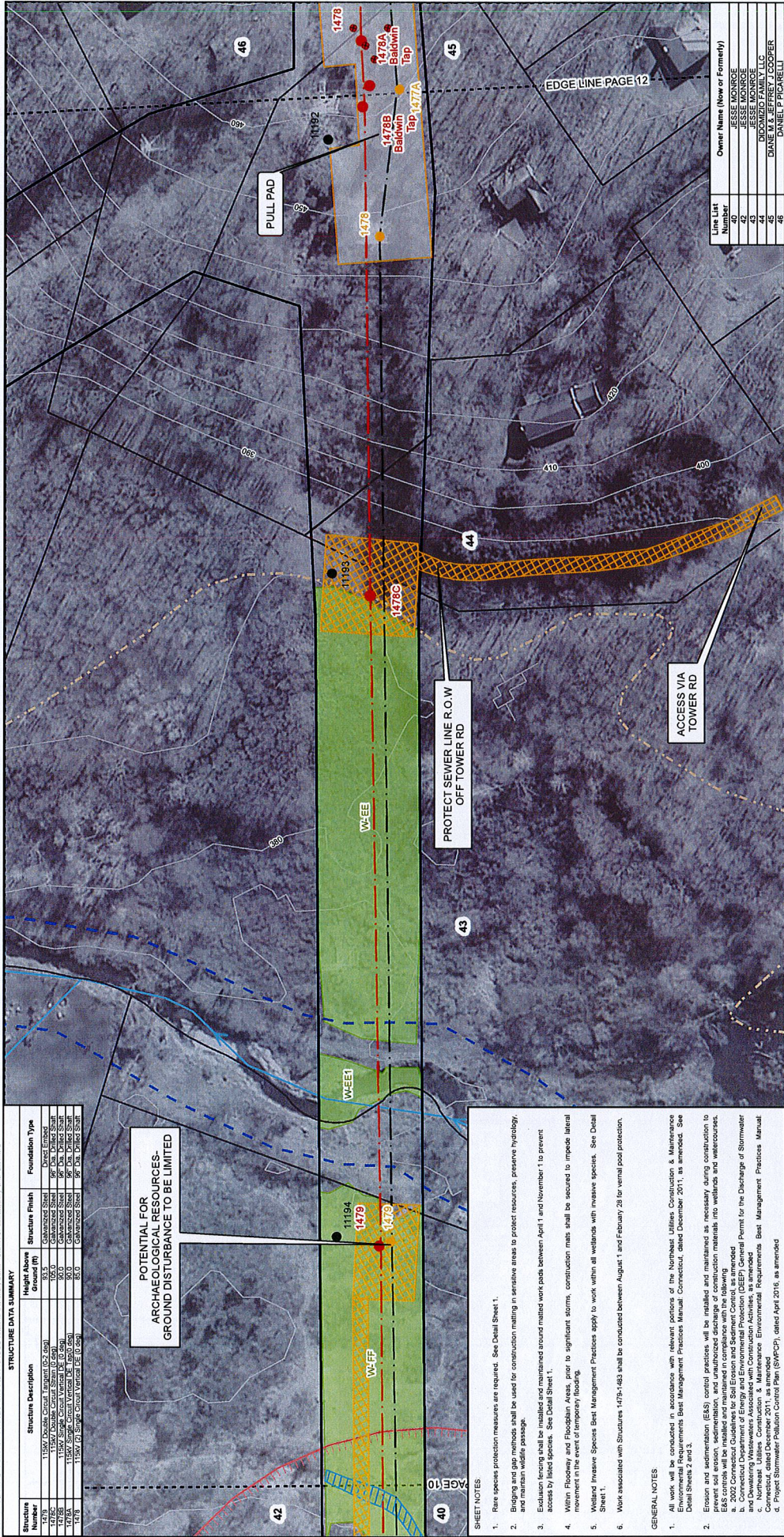
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Addendum No. 3

Additional Temporary Wood Pole Structures at Baldwin Tap.

Prior to commencing any construction activities related to Phase 1 of the project, the following preliminary work should be conducted in order to sectionalize the 1575N-3 (1029) and 1575N (1789) Lines (This work may take a short outage of the existing 1575 Line). Install a vertical wood double deadend pole with guy wires and deadend the phase conductors and shield wire belonging to the 1575N (1789) Line, install a flat three pole structure (Mimic the existing flat three pole structure going towards Baldwin Substation) to accommodate the transition of the phase conductors from the vertical deadend pole to the existing three pole structure going towards Baldwin Substation. Reconfigure the tap and energize the 1575 Line. Now the 1575N-3 (1029) and 1585N (1789) will be de-energized and work for Phase 1 of the project can commence.





Structure Number	Structure Description	Height Above Ground (ft)	Structure Finish	Foundation Type
1478	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478A	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478B	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478C	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478D	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478E	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478F	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478G	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478H	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478I	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478J	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478K	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478L	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478M	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478N	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478O	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478P	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478Q	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478R	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478S	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478T	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478U	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478V	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478W	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478X	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478Y	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed
1478Z	115kW Double Circuit Inverter (0-2.4MVA)	85.5	Concrete Slab	Direct Embed

POTENTIAL FOR ARCHAEOLOGICAL RESOURCES - GROUND DISTURBANCE TO BE LIMITED

SHEET NOTES

- Rare species protection measures are required. See Detail Sheet 1.
- Bridging and gap methods shall be used for construction meeting in sensitive areas to protect resources, preserve hydrology, and maintain wildlife passage.
- Erosion fencing shall be installed and maintained around matted work pads between April 1 and November 1 to prevent access by feral species. See Detail Sheet 1.
- Within Floodway and Floodplain Areas, prior to significant storms, construction mats shall be secured to impede lateral movement in the event of temporary flooding.
- Wetland Invasive Species Best Management Practices apply to work within all wetlands with invasive species. See Detail Sheet 1.
- Work associated with Structures 1478-1483 shall be conducted between August 1 and February 28 for normal pool protection.

GENERAL NOTES

- All work will be conducted in accordance with relevant portions of the Northeast Utilities Construction & Maintenance Environmental Requirements Best Management Practices Manual, Connecticut, dated December 2011, as amended. See Detail Sheets 2 and 3.
- Erosion and sedimentation (EES) control practices will be installed and maintained as necessary during construction to prevent soil erosion, sedimentation, and unauthorized discharge of construction materials into wetlands and watercourses. EES controls will be installed and maintained in compliance with the following:
 - Connecticut Department of Energy and Environmental Protection (DEEP) General Permit for the Discharge of Stormwater and Deleterious Materials from Construction Activities as amended
 - Connecticut Department of Energy and Environmental Protection (DEEP) Environmental Requirements Best Management Practices Manual, Connecticut, dated December 2011, as amended
 - Project Stormwater Pollution Control Plan (SWPPP), dated April 2016, as amended

Line List Number	Owner Name (Now or Formerly)
42	JESSE MONROE
43	JESSE MONROE
44	DANIEL P. PICARELLI
45	DANIEL P. PICARELLI

EVERSOURCE ENERGY

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

TOWANTIC LINE MODIFICATION PROJECT D&M PLAN

AUGUST 19, 2016

WATERBURY, MIDDLEBURY, & OXFORD, CT

Page 11 of 26

Legend

- Proposed 1575/1585 Structures
- Existing 1575/1585 Line
- Existing 1575/1585 Structures
- Existing 1575/1585 Line
- Existing 1990 Structures
- Proposed Pad Location
- Approximate Utility Right-of-Way
- Approximate CLAP dba
- Eversource Energy Owned Property
- Approximate Parcel Boundary
- Proposed Temporary Wood Poles
- OR-ROW Access Road
- Existing Preferred Access Road
- Proposed Access Road
- Proposed Temporary Access Road Construction Mats
- Municipal Boundary
- Proposed 1575/1585 Line
- Proposed Pad Location
- Approximate Utility Right-of-Way
- Approximate CLAP dba
- Eversource Energy Owned Property
- Approximate Parcel Boundary
- Proposed Temporary Wood Poles
- Perennial Watercourse
- Intermittent Watercourse
- Wetland Area
- 100 Year Floodplain
- Regulatory Floodway
- Rare Species Habitat
- Construction Entrance
- Silt Fence
- Water Bars
- Along Slope
- Inlet Protection
- Stabilized
- Construction Entrance

1 inch = 100 feet

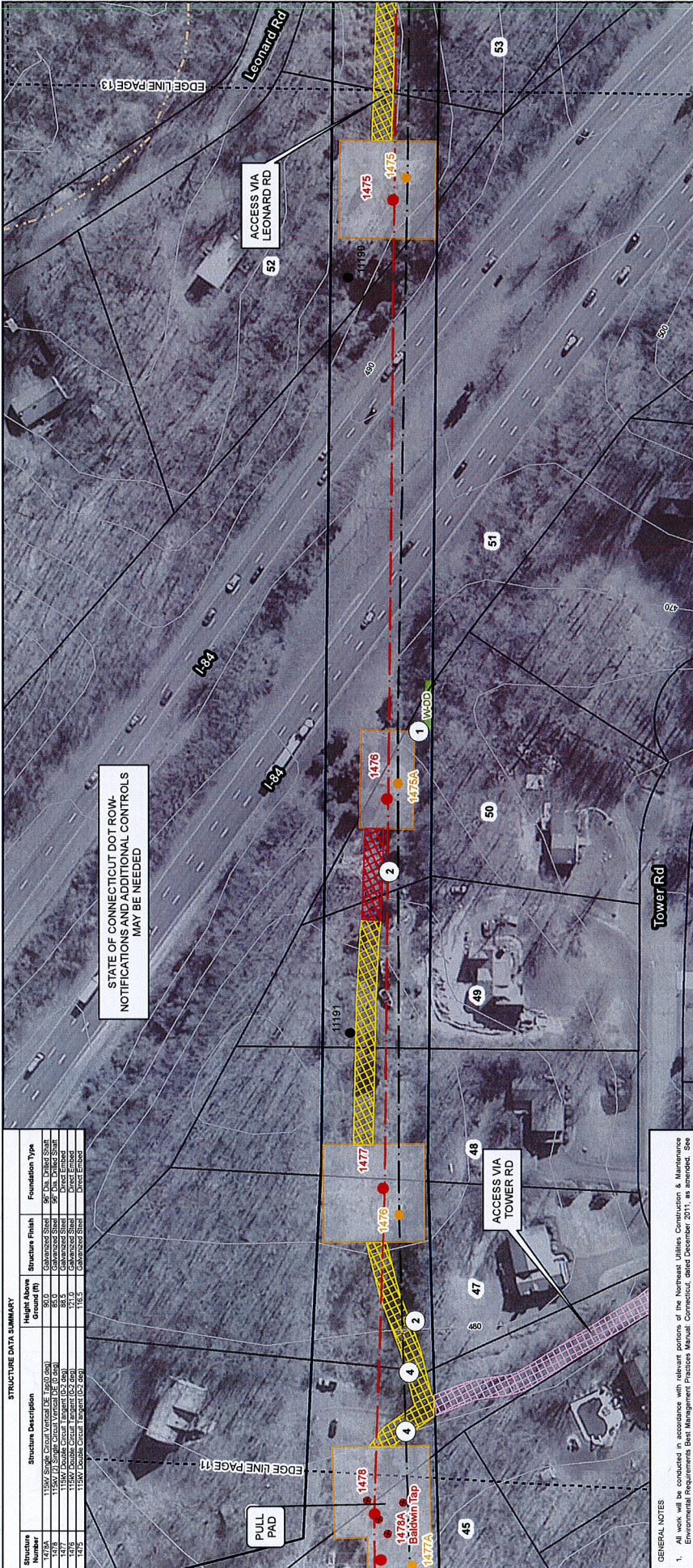
0 50 100 200 Feet

Data Sources:
Eversource
GZA
AECOM, Danbury
2012 Aerial Base Map
required from CT ECHO Image Service.

Waterbury
Middlebury
Naugatuck
Oxford

STRUCTURE DATA SUMMARY		
Structure Number	Structure Description	Foundation Type
1475A	1150W Single-Corner Vertical (E-100-060)	96" Dia. Drilled Shaft
1476	1150W (1) Single-Corner Vertical (E-100-060)	96" Dia. Drilled Shaft
1477	1150W Double-Corner Vertical (E-100-060)	96" Dia. Drilled Shaft
1478	1150W Double-Corner Vertical (E-100-060)	96" Dia. Drilled Shaft
1479	1150W Double-Corner Vertical (E-100-060)	96" Dia. Drilled Shaft

STATE OF CONNECTICUT DOT ROW NOTIFICATIONS AND ADDITIONAL CONTROLS MAY BE NEEDED



Line List Number	Owner Name (Now or Formerly)
46	DAVE M. JEFFREY (COOPER)
47	DANIEL P. PICARELLI
48	WALTER O. JR. & JESSICA S. MOOREN
49	VALERIE S. SIMMONS
50	BESTFORD & NEKJE ISMAILI
51	STATE OF CONNECTICUT
52	TRUST OF BERTY T. LAURE
53	ELTON TOMORI

GENERAL NOTES

- All work will be conducted in accordance with relevant portions of the Northeast Utilities Construction & Maintenance Environmental Requirements Best Management Practices Manual, Connecticut, dated December 2011, as amended. See Detail Sheets 2 and 3.
- Erosion and sedimentation (E&S) control practices will be installed and maintained as necessary during construction to prevent soil erosion, sedimentation, and unauthorized discharge of construction materials into wetlands and watercourses. E&S practices will be in compliance with the following:
 - US Army Corps of Engineers for Soil Erosion Control (see sheet 1475A).
 - Connecticut Department of Energy and Environmental Protection (DEEP) General Permit for the Discharge of Stormwater and Dewatering Wastewater Associated with Construction Activities, as amended.
 - Connecticut Department of Environmental Protection (DEEP) Environmental Requirements Best Management Practices Manual, Connecticut, dated December 2011, as amended.
 - Project Stormwater Pollution Control Plan (SWP/PCP), dated April 2016, as amended.

EVERSOURCE ENERGY

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TOWANTIC LINE MODIFICATION PROJECT D&M PLAN

AUGUST 19, 2016

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- Rare Species Habitat
- Stabilized
- Construction Entrance
- Silt Fence
- Water Bars
- Along Slope
- Inlet Protection
- Stabilized

Scale: 1 inch = 100 feet

0 50 100 200 Feet

Data Sources: GZA, AECOM, Denscon, 2012 Aerial Base Map, acquired from CT/ECO Image Service.

