

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

VIA ELECTRONIC MAIL

February 22, 2016

TO: Parties and Intervenors

FROM: Melanie Bachman, Acting Executive Director *MAB*

RE: **DOCKET NO. 466** - The Connecticut Light & Power Company d/b/a Eversource Energy application for a Certificate of Environmental Compatibility and Public Need for the Frost Bridge to Campville 115-kilovolt (kV) electric transmission line project that traverses the municipalities of Watertown, Thomaston, Litchfield, and Harwinton, which consists of (a) construction, maintenance and operation of a new 115-kV overhead electric transmission line entirely within existing Eversource right-of-way and associated facilities extending approximately 10.4 miles between Eversource's existing Frost Bridge Substation in the Town of Watertown and existing Campville Substation in the Town of Harwinton; (b) related modifications to Frost Bridge Substation and Campville Substation; and (c) reconfiguration of a 0.4 mile segment of two existing 115-kV electric transmission lines across the Naugatuck River in the Towns of Litchfield and Harwinton within the same existing right-of-way as the new 115-kV electric transmission line.

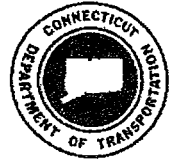
Comments have been received from the Department of Transportation, dated February 19, 2016. A copy of the comments is attached for your review.

MB/RDM/cm

c: Council Members



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

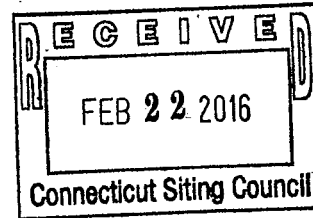


2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone:

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

February 19, 2016



Dear Ms. Bachman:

Subject: Docket 466
115-Kilovolt (kV) Overhead Transmission Line
Towns of Watertown, Thomaston,
Litchfield and Harwinton

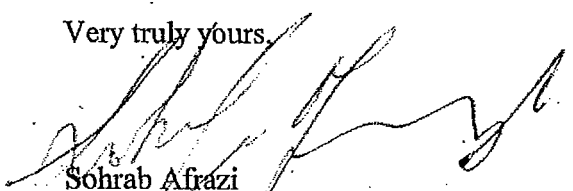
The Department of Transportation has reviewed the above-mentioned docket and offers the following comments.

The proposed project includes construction of new access roads to the proposed transmission facilities. In addition to this work it is anticipated that heavy construction equipment and transport of construction materials (concrete & steel) will be mobilized to the project areas onto new access roads which could result in shoulder damage or localized soil disturbances requiring restoration. The access roads may also require tree and brush trimming or cutting and tracking pad to collect debris prior to construction vehicles existing site onto a State roadway.

Therefore, Eversource must attain a permit pursuant to the Highway Encroachment Permit Regulations in conjunction with the Connecticut General Statutes prior to performing any work within the State highway right of way. The District 4 Permit Office will need four complete sets of construction plans which show all work within the State highway right of way.

Should you have any further questions, please contact, Ms. Latoya Smith, Utility Engineer (Utilities) at (860) 594-2533.

Very truly yours,


Sohrab Afrazi
Transportation Principal Engineer
Bureau of Engineering and Construction

attachments

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Screening Checklist

Connecticut Department of Transportation

Potential Transportation Infrastructure Impacts

Connecticut Siting Council Docket # Docket 466

Location : Watertown, Thomaston, Litchfield
and Harwinton

1. Is the proposed facility abutting the right-of-way of a State maintained highway?

No

Yes - Specify the location and show location on a detail site plan.

2. Is access for construction and maintenance of the proposed facility needed directly from a State maintained highway.

No

Yes - Identify specify needs and access location.

3. Is the proposed facility within or abutting a State owned Railroad Right-of Way?

No

Yes - Please provide an area and site plan.

4. Is the proposed facility within a two mile radius of any lands classified as preserved scenic land in accordance with CGS Section 13a-85a, "Acquisition of land adjacent to state highways for preservation and enhancement of scenic beauty and development of rest and recreation areas", or any designated scenic road in accordance with CGS Section 13b-31c, "Designation of scenic roads"?

No

Yes

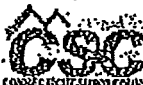


Table 5-5: Road Crossings – Proposed Route

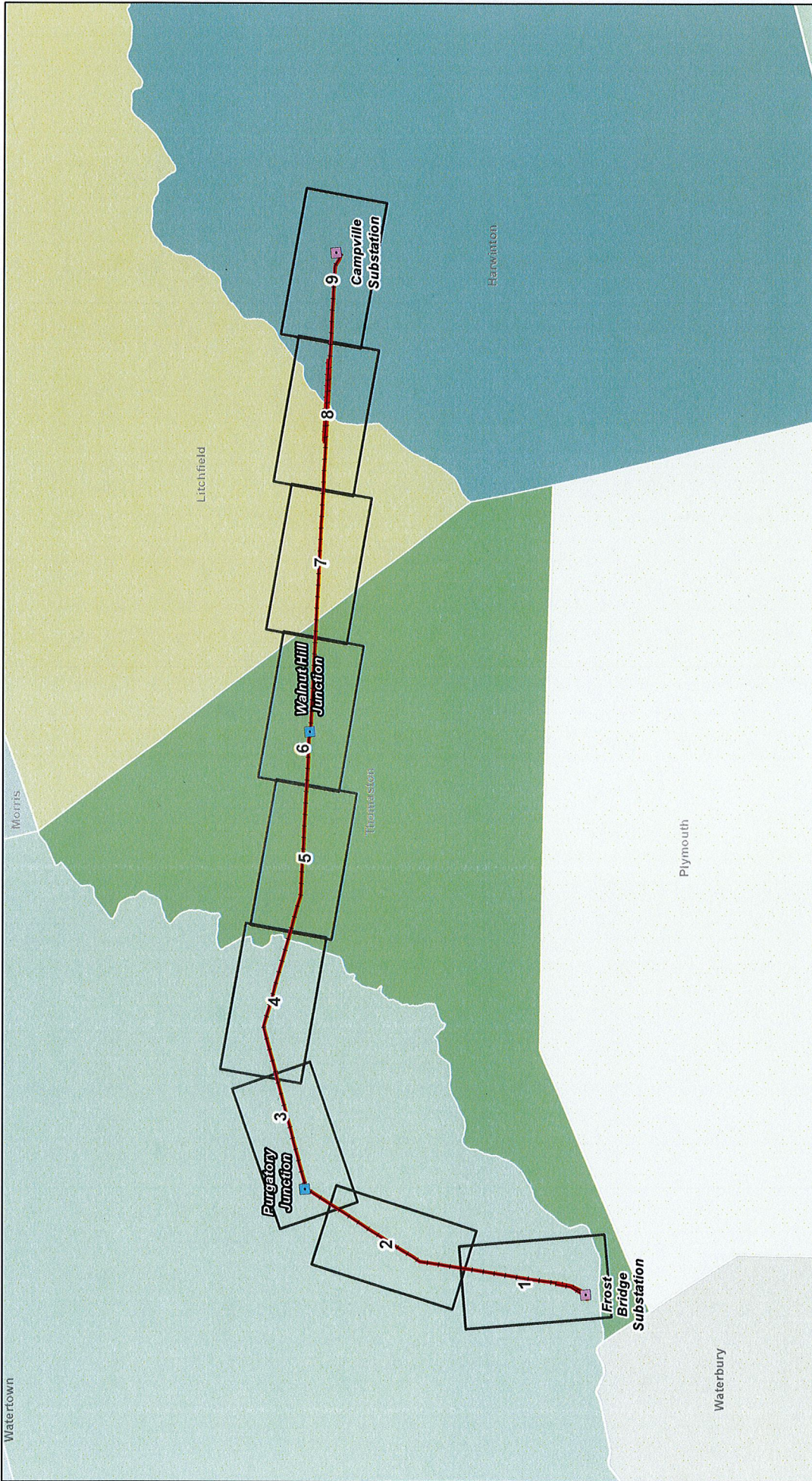
Town	Road Name	Road Type
Watertown		
	Frost Bridge Road (State Route 262)	State Highway
	State Route 8	Major State Highway
	Echo Lake Road	Local Road
	Park Road	Local Road
	Seemar Road	Local Road
	Nova Scotia Hill Road	Local Road
	Thomaston Road (US Route 6)	Federal Highway
Thomaston		
	Old Branch Road	Local Road
	Branch Road (State Route 109)	State Highway
	Walnut Hill Road	Local Road
	Northfield Road (State Route 254)	State Highway
	Northfield Dam Access Road	Local Road
Litchfield		
	Mason Hill Road	Local Road
	Hopkins Road	Local Road
	Thomaston-Campville Road	Local Road
	State Route 8	Major State Highway
Harwinton		
	Valley Road	Local Road
	Wildcat Hill Road	Local Road

5.1.6 Energy Facilities within a Five Mile Radius

In accordance with CGS §16-50j(59)(15), Table 5-6 lists energy facilities within a 5-mile radius of the proposed Project. These facilities include the Company's transmission facilities, including transmission substations, as well as third party-owned generators and transmission lines. These facilities are located in the Towns of Bethlehem, Woodbury, Middlebury, Watertown, Plymouth, Wolcott, Thomaston, Harwinton, and Litchfield, and in the cities of Waterbury and Torrington.

Table 5-6: Energy Facilities within a Five Mile Radius

Transmission Substations	
Eversource Bunker Hill 115-kV (Waterbury)	
Eversource Campville 115-kV (Harwinton)	
Eversource Franklin Drive 115-kV (Torrington)	
Eversource Freight 115-kV (Waterbury)	
Eversource Frost Bridge 115/345-kV (Watertown)	
Eversource Noera 115-kV (Waterbury)	
Eversource Shaw's Hill 115-kV (Watertown)	
Eversource Thomaston 115-kV (Thomaston)	
Eversource Torrington Terminal 115-kV (Torrington)	
Generators	
NRG/Connecticut Jet Power LLC – Franklin Drive 16.1 MW (Torrington)	
NRG/Connecticut Jet Power LLC – Torrington Terminal 17.4 MW (Torrington)	
Waterbury Hospital – Fuel Cell 2.4 MW (Waterbury)	
FirstLight Power Resources Services LLC – Waterbury Generation 95 MW (Waterbury)	
Line Numbers	Transmission Lines
1575	Bunker Hill – Beacon Falls 115-kV
1585	Bunker Hill – South Naugatuck 115-kV
1732	Campville – Weingart Road Jct 115-kV
689 & 693	Falls Village – Torrington Terminal 115-kV
1732	Franklin Drive – Weingart Road Jct 115-kV
1788	Franklin Drive – Torrington Terminal 115-kV
1721	Frost Bridge – Bunker Hill 115-kV
1191	Frost Bridge – Campville 115-kV
1238	Frost Bridge – Carmel Hill 115-kV
352	Frost Bridge – Long Mountain 345-kV
1990	Frost Bridge – Stevenson 115-kV
329	Frost Bridge – Southington 345-kV
1163 & 1550	Frost Bridge – Noera 115-kV
1445	Frost Bridge – Shaw's Hill 115-kV
1163 & 1550	Frost Bridge – Todd 115-kV
1272	Shaw's Hill – Bunker Hill 115-kV
1921	Thomaston – Campville 115-kV
1732	Weingart Road Jct – Canton 115-kV
1900	Torrington Terminal – Campville 115-kV

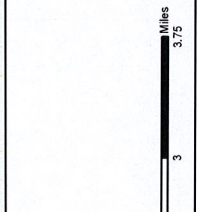


EVERSOURCE
ENERGY

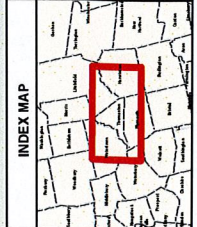
Tighe & Bond

December 2015

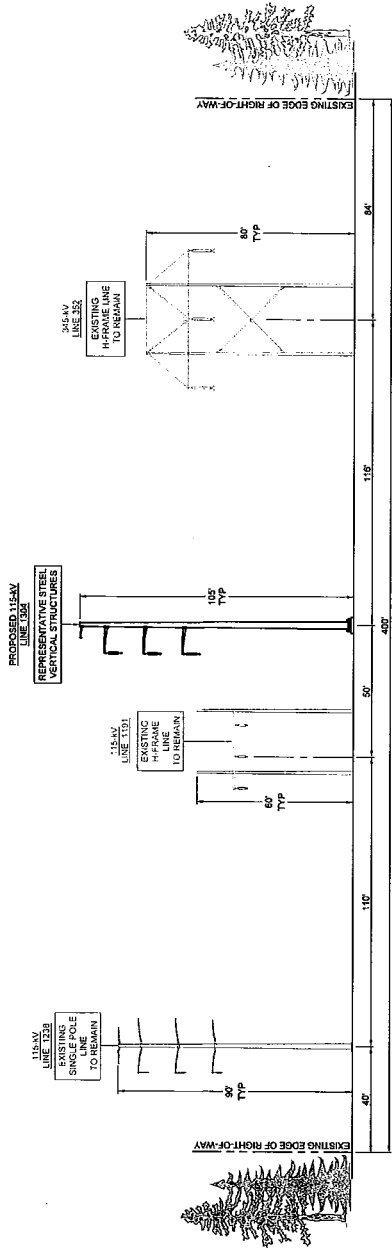
Frost Bridge to Campville
115-kV Project
Index Map



Substation
 Junction
 Proposed 115-kV Line



Frost Bridge to Campville 115-kV Project
 Proposed Route
 Frost Bridge Substation to Proposed Structure 9
 Frost Bridge Road to West of Echo Lake Road
 Town of Watertown, CT



CROSS-SECTION 2 (XS-2) VIEW LOOKING WEST FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION
 Note: XS-2 applies to Proposed Structures 1B to 9. Refer to XS-1 (not shown), which applies to Proposed Structures 1A and 1B, is underground beneath Frost Bridge Substation.

AREA DESCRIPTION

Existing Land Use

- Forested
- Connecticut Department of Energy and Environmental Protection (CT DEEP) Property/Open Space (Mattatuck State Forest)
- CT DEEP Hunting Areas (Mattatuck State Forest)
- Commercial/Industrial (Frost Bridge Substation)
- Recreational (Connecticut Forest and Park Association (CFPA) Hiking Trails - Jericho Trail, Jericho-Whitestone Connector)

Zoning

- Town of Watertown
 - Residential (R-90)
 - Restricted Industrial (I-R 80, I-R 200)
 - General Industrial (I-G 80)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- Turkey Brook and its associated tributaries
- Naugatuck River and its associated tributaries
- 100-Year Flood Zone (Naugatuck River)

Visual Character

- Prominent ridges with exposed rock outcrops along the Naugatuck River Valley

RIGHT-OF-WAY DESCRIPTION

Land Use

- Commercial/Industrial (Frost Bridge Substation) east of Frost Bridge Road
- Eversource property at Frost Bridge Substation and adjacent to proposed structures 2 to 4
- Recreation northeast of proposed structure 3 (CPFA Jericho-Whitestone Connector Trail) and between proposed structures 4 and 5 (Jericho Trail)
- CT DEEP Property/Open Space (Mattatuck State Forest) between proposed structures 4 and 9

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-FB1, W-FB2, W-FB3, W-FB4, W-FB5, W-FB6, W-A1, W-A2, W-A3, W-A4, W-A5, W-A6, W-A7, W-A8, W-A9, W-A10, W-MSF1, W-MSF2, W-MSF3
- Wetland Cover Types: Palustrine Emergent (PEM), Palustrine Scrub/Shrub (PSS), Palustrine Forested (PFO)
- Stream Nos.: S-FB1, S-FB2, S-FB3, S-A1, S-A3, S-A4, S-A5, S-A6 (Turkey Brook), S-A7

Potential Access

- Frost Bridge Substation can be accessed from Frost Bridge Road
- Proposed structures 2 and 3080 can be accessed from Echo Lake Road
- Proposed structures 3 to 9 can be accessed from existing Mattatuck State Forest access roads originating at Echo Lake Road and entering the ROW between proposed structures 4 and 5

Right-of-Way Vegetation

- Upland and Wetland Forest
- Old Field/Shrub Land

Terrain

- Rocky upland with precipitous outcrops

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

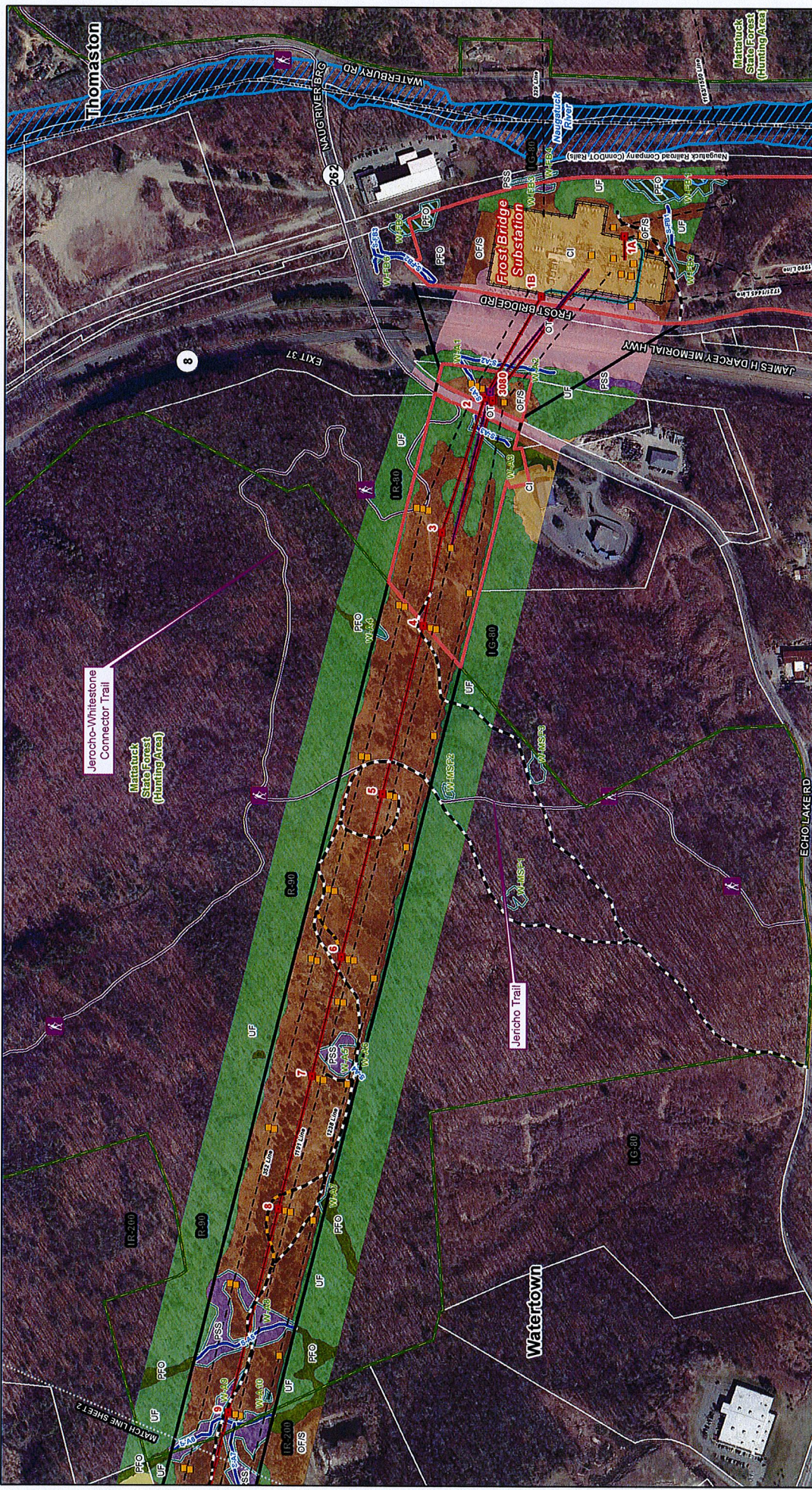
- 400 feet / 0 feet

Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

- 400 feet / varies

Road Crossings / Major Utility Crossings

- James H. Darcey Memorial Highway (Route 8) between Frost Bridge Substation and proposed structure 2
- Frost Bridge Road (Route 262) between Frost Bridge Substation and proposed structure 2
- Echo Lake Road between proposed structures 2 and 3



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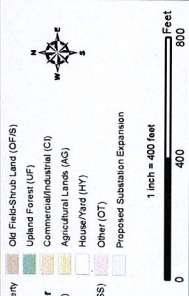
Tighe & Bond

December 2015

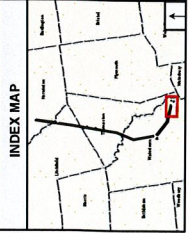
Frost Bridge to Campville 115-kV Project

Watertown, Connecticut

Mapsheet 1 of 9

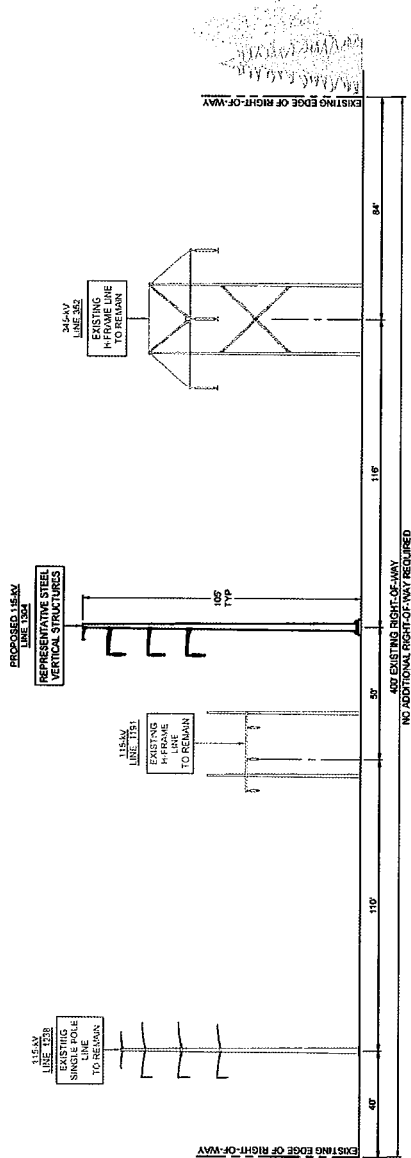


- Proposed Structure
- Structure to be Removed
- Existing Structure
- Proposed 115-kV Line (Centerline)
- Proposed 115-kV Line (Right-of-Way)
- Existing Transmission Line (Centerline)
- Existing Transmission Line (Right-of-Way)
- Right-of-Way (Existing)
- Existing Access Road
- New Access Road
- Marked Trail
- National Register Listed Historic Site
- Federal Property
- Municipal/Private Park or Open Space
- Wildlife Area of Sanctuary
- State Forest
- State Park
- National Database Areas (December 2014)
- Community Facilities
- Aquifer Protection Area (APA)
- Approximate FEMA 100-Year Flood Zone
- Trail Points
- Wetland Boundary
- Watercourse
- Connecticut Wetlands Only
- Parcel Boundary
- Zoning Designation
- Eversource Owned Property
- Municipal Boundary
- Land Use/Vegetative Cover
 - Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub-Shrub Wetland (PSS)
 - Open Water (POW)
 - Other (OT)
 - Proposed Substation Expansion
- Old Field/Scrub Land (OFS)
- Upland Forest (UF)
- Commercial/Industrial (CI)
- Agricultural Lands (AG)
- House/Yard (HY)



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Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Locations 10 to 21
 East of Park Road to Nova Scotia Hill Road
 Town of Watertown, CT



CROSS-SECTION 2 (XS-2) VIEW LOOKING WEST FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION

AREA DESCRIPTION

Existing Land Use

- Forest
- Agricultural
- Commercial/Industrial
- Residential
- Town and Private Open Space (Veteran's Memorial Park)
- Recreational (Veteran's Memorial Park)
- CT DEEP Property/Open Space (Mattatuck State Forest)
- CT DEEP Hunting Area (Mattatuck State Forest)

Zoning

- Town of Watertown
 - Restricted Industrial (I-R-200)
 - Residential (R-30, R-90)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- Jericho Brook Pond and its associated tributaries
- Jericho Brook and its associated tributaries

Visual Character

- Rural with rolling agricultural fields and forest land

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential adjacent to proposed structures 14 and 21
- Commercial/Industrial adjacent to proposed structures 15 and 16
- Town and Private Open Space (Veteran's Memorial Park) between and adjacent to proposed structures 3097 to 3100
- Eversource property adjacent to Structure 3100

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-A9, W-A11, W-A12, W-B1, W-B2, W-B3, W-B4, W-B5, W-B6, W-B7, W-B8, W-B9
- Wetland Cover Types: Palustrine Open Water (POW), PEM, PSS, PFO
- Stream Nos.: S-A6, S-A7

Potential Access

- Proposed structures 10 to 20 can be accessed from Park Road
- Proposed structure 21 can be accessed from Nova Scotia Hill Road

Right-of-Way Vegetation

- Old Field/Shrub Land
- Upland and Wetland Forest
- Agricultural

Terrain

- Level with sloped areas at wetland/upland transitions

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

- 400 feet / 0 feet

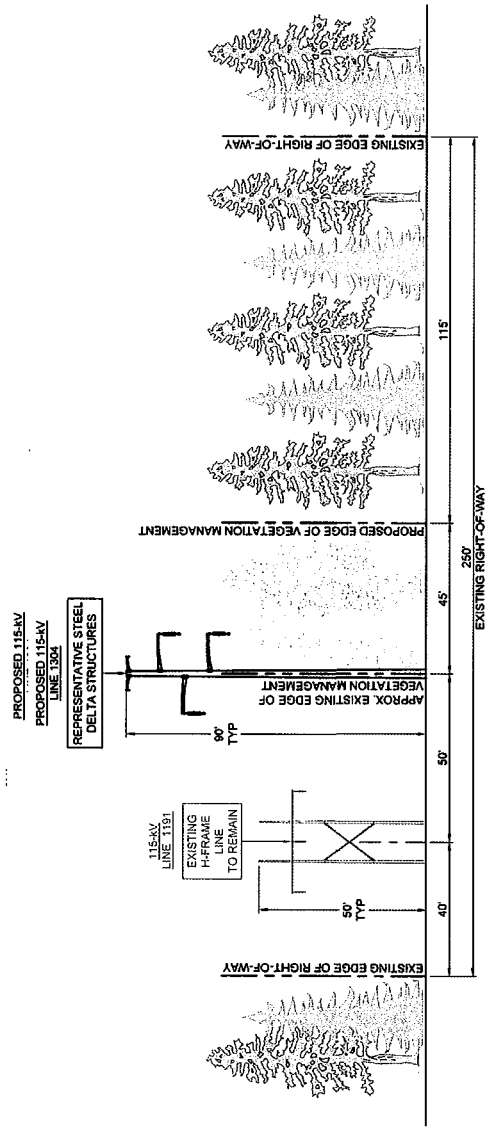
Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

- 400 feet / 0 feet

Road Crossings / Major Utility Crossings

- Park Road between proposed structures 14 and 15
- Seamar Road adjacent to proposed structure 15
- Nova Scotia Hill Road between proposed structures 21 and 22 (Mapsheet 3)

Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Locations 22 to 35
 Nova Scotia Hill Road to North of Thomaston Road (Route 6)
 Town of Watertown, CT



CROSS-SECTION 3 (XS-3) VIEW LOOKING NORTH FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION
 Note: XS-3 (depicted) applies to Proposed Route from Proposed Structures 26 to 35. Refer to XS-2 on Mapsheet 2 for depiction of Proposed Route from Proposed Structures 22 to 25.

AREADESCRIPTION

Existing Land Use

- CT DEEP Property/Open Space (Black Rock State Park)
- Forested
- Town and Private Open Space (Crestbrook Park and Golf Club)
- Recreational (Crestbrook Park and Golf Club)
- Residential
- Commercial/Industrial

Zoning

- Town of Watertown
 - Residential (R-30, R-70, R-90)
 - Business (B-L)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- Lockwood Pond and its associate tributaries
- Hannon Pond and its associated tributaries
- Natural Diversity Database Area

Visual Character

- Forest land, residential
- Irregular bedrock-controlled topography within Black Rock State Park

RIGHT-OF-WAYDESCRIPTION

Land Use

- Commercial/Industrial adjacent to proposed structures 22 and 23 (greenhouses)
- Upland and/or wetland forest adjacent to proposed structures 26 to 35
- CT DEEP Property/Open Space (Black Rock State Park) between and adjacent to structures 32 and 35
- Residential adjacent to proposed structure 27

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-B-11, W-C1, W-C1A, W-C2A, W-C2, W-C3, W-C4, W-C6, W-C7, W-C8, W-C10, W-C12, W-C14, W-C15, W-C16
- Wetland Cover Types: POW, PSS, PFO
- Stream Nos.: S-B1, S-B2, S-B3, S-C1, S-C3, S-C4, S-C5

Potential Access

- Proposed structures 22 and 23 can be accessed from Nova Scotia Hill Road
- Proposed structures 24 to 35 can be accessed from High Meadow Road (west of Purgatory Junction)

Right-of-Way Vegetation

- Old Field/Shrub Land
- Upland and Wetland Forest

Terrain

- Irregular bedrock-controlled topography with common rock outcroppings

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

- 400 feet / 0 feet (south of Purgatory Junction)
- 250 feet / 0 feet (north of Purgatory Junction)

Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

- 400 feet / 0 feet (south of Purgatory Junction)
- 90 feet / 45 feet (north of Purgatory Junction)

Road Crossings / Major Utility Crossings

- Thomaston Road (Route 6) between proposed structures 23 and 24
- Eversource 1238 & 352 Transmission Lines (Purgatory Junction) adjacent to proposed structure 25



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
Tighe & Bond

December 2015

Frost Bridge to Campville 115-kV Project


Watertown, Connecticut

Mapsheet 3 of 9



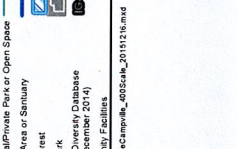
EverSource Owned Property

- Municipal Boundary
- Aquifer Protection Area (APA)
- Approximate FEMA 100-Year Flood Zone
- Trail Points
- National Register Listed Historic Site
- Municipal/Private Park or Open Space
- Wildlife Area or Sanctuary
- State Forest
- Natural Diversity Database Area (December 2014)
- Community Facilities



1 inch = 400 feet
0 400 800

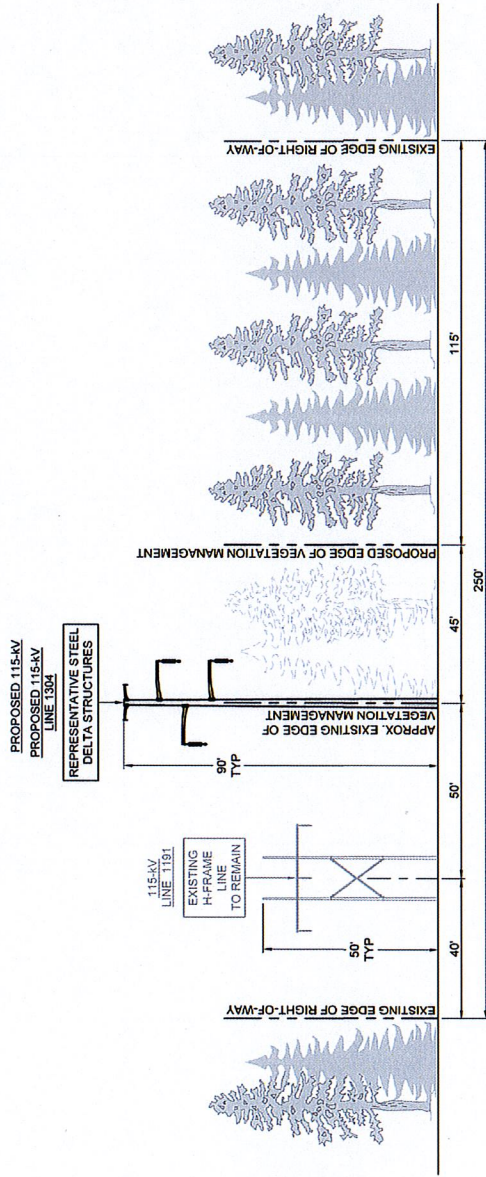
INDEX MAP



- Proposed Structure
- Structure to be Removed
- Existing Structure
- Proposed 115kV Line (Centerline)
- Proposed 115kV Line (Centerline)
- Existing Transmission Line to be Removed
- Existing Transmission Line (Centerline)
- Right-of-Way (Existing)
- New Access Road
- Municipal/Private Park or Open Space
- Wildlife Area or Sanctuary
- State Forest
- Natural Diversity Database Area (December 2014)
- Community Facilities
- National Register Listed Historic Site
- Municipal/Private Park or Open Space
- Wildlife Area or Sanctuary
- State Forest
- Natural Diversity Database Area (December 2014)
- Community Facilities
- Aquifer Protection Area (APA)
- Approximate FEMA 100-Year Flood Zone
- Trail Points
- EverSource Owned Property
- Municipal Boundary
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- Emergent Wetland (PEM)
- Forested Wetland (PFO)
- Shrub-Shrub Wetland (PSS)
- Open Water (POW)
- Proposed Substation Expansion
- Other (OT)
- House/Yard (HY)
- Agricultural Lands (AG)
- Commercial/Industrial (CI)
- Upland Forest (UF)
- Old Field/Shrub Land (OFS)

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Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Locations 36 to 46
 North of Thomaston Road (Route 6) to Old Branch Road
 Towns of Watertown and Thomaston, CT



CROSS-SECTION 3 (XS-3) VIEW LOOKING NORTH FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION

AREA DESCRIPTION

Existing Land Use

- CT DEEP Property/Open Space (Black Rock State Park)
- Forested
- Town and Private Open Space (Crestbrook Park and Golf Club)
- Recreational (CFPA Hiking Trail – Mattatuck Trail, Black Rock State Park Trail – Red Loop, and unblazed Black Rock State Park recreational trails)
- Branch Brook Reservoir (Black Rock) Dam
- Residential
- Commercial/Industrial

Zoning

- Town of Watertown
 - Residential (R-90)
- Town of Thomaston
 - Residential (RA-15, RA-40)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- Lockwood Pond and its associated tributaries
- Black Rock Pond and its associated tributaries
- Branch Brook and its associated tributaries
- 100-Year Flood Zone (Branch Brook)
- Natural Diversity Data Base Area

Visual Character

- Forest land with irregular bedrock-controlled topography and common rock outcroppings

RIGHT-OF-WAY DESCRIPTION

Land Use

- Upland and/or wetland forest adjacent to proposed structures 36 to 46
- CT DEEP Property/Open Space (Black Rock State Park) between and adjacent to proposed structures 36 to 46
- Recreational (CFPA Mattatuck Trail and Black Rock State Park Red Loop) between proposed structures 43 and 45
- Branch Brook Reservoir Dam north of proposed structure 46

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-C15, W-C18, W-C20, W-C21, W-C23
- Wetland Cover Types: POW, PSS, PFO
- Stream Nos.: S-C6, S-C7, S-C8 (Branch Brook), S-C9

Potential Access

- Proposed structures 36 to 46 can be accessed from High Meadow Road (west of Purgatory Junction)

Right-of-Way Vegetation

- Old Field/Shrub Land
- Upland and Wetland Forest

Terrain

- Steep irregular bedrock-controlled topography and common rock outcroppings

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

- 250 feet / 0 feet

Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

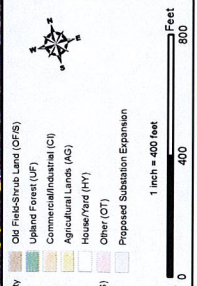
- 90 feet / 45 feet

Road Crossings / Major Utility Crossings

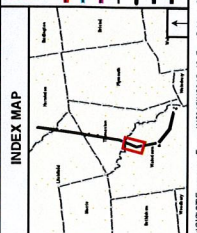
- Old Branch Road north of proposed structure 46



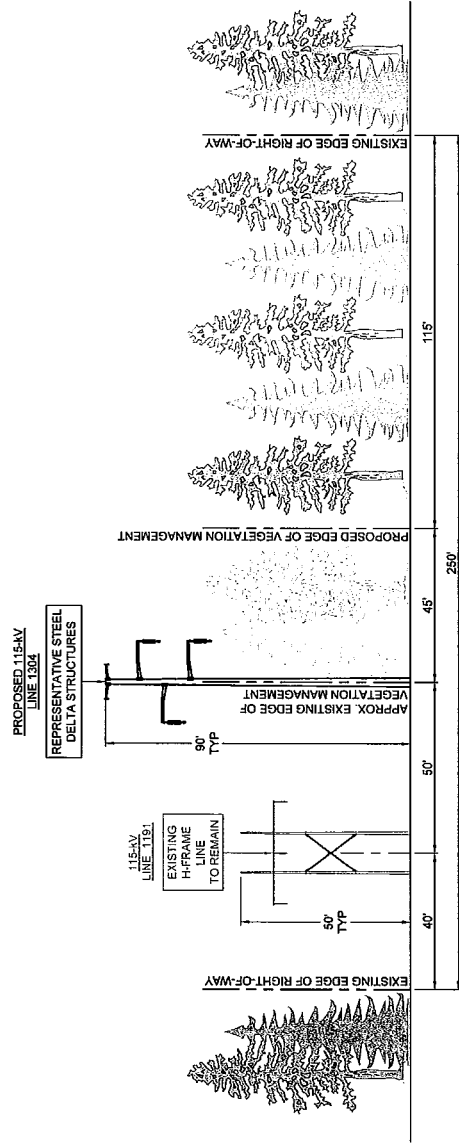
**Frost Bridge to Campville
 115-kV Project**
 Watertown/Thomaston, Connecticut
 Mapsheet 4 of 9



- Proposed Structure
- Structure to be Removed
- Existing Structure
- Proposed 115-kV Line (Centerline)
- Proposed UG 115-kV Line (Centerline)
- Existing Transmission Line (Centerline)
- Existing Transmission Line to be Removed (Centerline)
- Right-of-Way (Existing)
- Existing Access Road
- New Access Road
- Marked Trail
- National Register Listed Historic Site
- National Register Listed Historic Place
- Federal Property
- Municipal/Private Park or Open Space
- Wildlife Area or Sanctuary
- State Forest
- State Park
- Natural Diversity Database (Map Only)
- Community Facilities
- Aquifer Protection Area (APA)
- Approximate FEMA 100-Year Flood Zone
- Trail Points
- Wetland Boundary
- Watercourse
- Connecticut Wetlands Only
- Parcel Boundary
- Zoning Designation
- Eversource Owned Property
- Municipal Boundary
- Old Field/Shrub Land (OFS)
 - Upland Forest (UF)
 - Commercial/Industrial (CI)
 - Agricultural Lands (AG)
 - House/Yard (HY)
 - Other (OT)
 - Proposed Substation Expansion
- Open Water (POW)
- Scrub-Shrub Wetland (PSS)
- Forest/Wetland (PFCO)
- Emergent Wetland (PEM)
- Succulent Wetland (PSS)



Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Locations 47 to 59
 Branch Road (Route 109) to North of Branch Road (Route 109)
 Town of Thomaston, CT



CROSS-SECTION 3 (XS-3) VIEW LOOKING NORTH FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION

AREA DESCRIPTION

Existing Land Use

- CT DEEP Property/Open Space (Mattatuck State Forest, Black Rock State Park)
- CT DEEP Hunting Area (Mattatuck State Forest)
- Forested
- Town and Private Open Space (Dug Road, Thomaston Fish and Game Club)
- Agricultural

Zoning

- Town of Thomaston
 - Residential (RA-15, RA-40)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- Morton Pond and its associated tributaries
- Natural Diversity Data Base Area

Visual Character

- Forest land and rocky with prominent outcrops

RIGHT-OF-WAY DESCRIPTION

Land Use

- Upland and/or wetland forest adjacent to proposed structures 47 to 59
- CT DEEP Property/Open Space (Mattatuck State Forest, Black Rock State Park) between and adjacent to proposed structures 47 to 50
- CT DEEP Hunting Area (Mattatuck State Forest) between and adjacent to proposed structures 48 to 50
- E/vesource Property between proposed structures 52 to 54
- Maintained fields adjacent to proposed structure 56 (shooting range)
- Town and Private Open Space (Thomaston Fish and Game Club) between and adjacent to structures 55 to 57
- Agricultural between and adjacent to proposed structures 58 to 59

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-D1, W-D2, W-D3, W-D4, W-D5, W-D6, W-D15
- Wetland Cover Types: POW, PEM, PSS, PFO
- Stream Nos.: S-D1, S-D2, S-D3

Potential Access

- Proposed structures 3128 can be accessed by Branch Road (Route 109)
- Proposed structures 3129 to 3141 can be accessed from Old Northfield Road

Right-of-Way Vegetation

- Old Field/Shrub Land
- Upland and Wetland Forest
- Agricultural

Terrain

- Irregular with rock outcrops

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

- 250 feet / 0 feet

Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

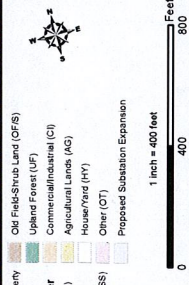
- 90 feet / 45 feet

Road Crossings / Major Utility Crossings

- Branch Road (Route 9) between proposed structures 47 and 48



**Frost Bridge to Campville
 115-kV Project**
 Thomaston, Connecticut
 Mapsheet 5 of 9



INDEX MAP

Proposed Structure
 Structure to be Removed
 Existing Structure
 Proposed 115-kV Line (Centerline)
 Proposed UG 115-kV line (Centerline)
 Existing Transmission Line (Centerline)
 Existing Transmission Line (Centerline)
 Right-of-Way (Existing)
 Existing Access Road
 New Access Road

Marked Trail
 National Register Listed Historic Site
 National Register Listed Historic Place
 Federal Property
 Municipal/Private Park or Open Space
 Wildlife Area or Sanctuary
 State Forest
 State Park
 Natural Diversity Database Core (6000-ft Buffer)

Acquirer Protection Area (APA)
 Aquifer Protection Area (APA)
 Approximate FEMA 100-Year Flood Zone
 Trail Points
 Wetland Boundary
 Watercourse
 Connecticut Wetlands Only
 Parcel Boundary
600 Zoning Designation

EverSource Owned Property
 Municipal Boundary
Land Use/Vegetative Cover
 Emergent Wetland (PEM)
 Forested Wetland (FWS)
 Scrub-Shrub Wetland (PSS)
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Other Field-Shrub Land (OFS)
 Upland Forest (UF)
 Commercial/Industrial (CI)
 Agricultural Lands (AG)
 House/yard (HY)
 Other (OT)
 Proposed Substation Expansion

Community Facilities
 Community Facilities

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Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Locations 59 to 70
 South of Walnut Hill Road to South of Mason Hill Road
 Town of Thomaston, CT

RIGHT-OF-WAY DESCRIPTION

- Land Use**
- Upland and/or wetland forest adjacent to proposed structures 59 to 62, 64 to 65, and 68 to 70
 - Residential adjacent to proposed structures 61 to 65
 - Eversource property between proposed structures 64 and 65
 - CT DEEP Hunting Area between proposed structures 69 and 70 (Northfield Brook Lake Recreation Area)
 - Federal property (USACE Northfield Brook Lake) between proposed structures 68 and 70

- Wetlands, Watercourses and Waterbodies**
- Wetland Nos.: W-D7, W-D8, W-D10, W-D11, W-D12, W-D13, W-D14, W-E1
 - Wetland Cover Types: POW, PSS, PFO
 - Stream Nos.: S-D5, S-D8, S-D9, S-D10, S-D11, S-E2 (Northfield Brook)

- Potential Access**
- Proposed structures 59 to 69 can be accessed from Walnut Hill Road
 - Proposed structure 70 can be accessed from Mason Hill Road

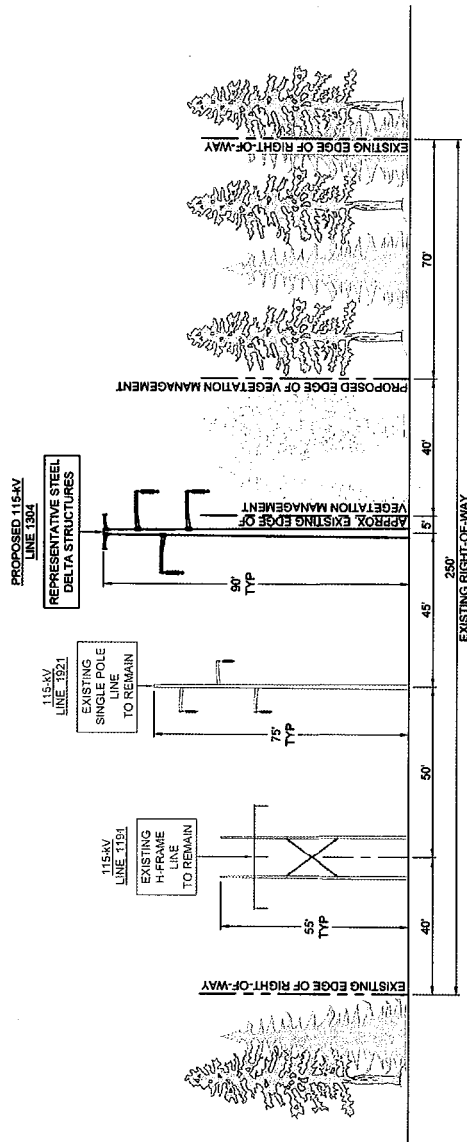
- Right-of-Way Vegetation**
- Old Field/Shrub Land
 - Upland and Wetland Forest

- Terrain**
- Rolling hills with rock outcrops

- Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width**
- 250 feet / 0 feet

- Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width**
- 90 feet / 45 feet (south of Walnut Hill Junction)
 - 140 feet / 40 feet (north of Walnut Hill Junction)

- Road Crossings / Major Utility Crossings**
- Walnut Hill road between proposed structures 62 and 63
 - Eversource 1921 Transmission Line at proposed structure 64 (Walnut Hill Junction)
 - Northfield Road (Route 254) and Northfield Dam Access Road between
 - proposed structures 69 and 70



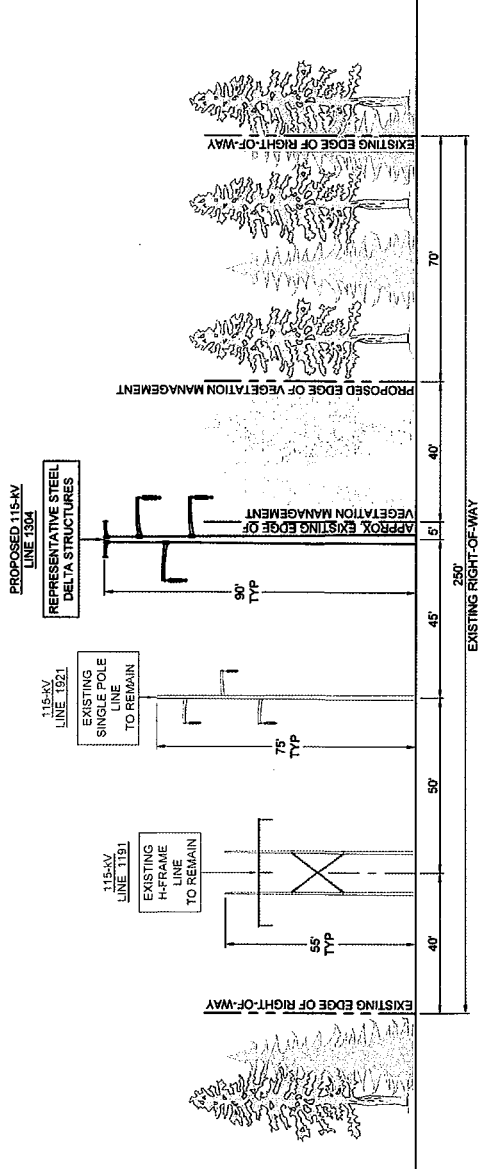
CROSS-SECTION 4 (XS-4) VIEW LOOKING NORTH FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION
 Note: XS-4 applies to Proposed Route from Proposed Structures 65 to 70. Refer to XS-3 on Mapsheet 5 for depiction of Proposed Route from Proposed Structures 59 to 64.

AREA DESCRIPTION

- Existing Land Use**
- Forested
 - Residential
 - Agricultural
 - Recreational (Northfield Brook Lake Recreation Area (USACE))
 - CT DEEP Property/Open Space (Mattatuck State Forest)
 - CT DEEP Hunting Areas (Mattatuck State Forest, Northfield Brook Lake Recreation Area [USACE])
- Natural Systems**
- Mixed hardwood forests of varying size and age
 - State/federal jurisdictional wetlands and watercourses
 - Northfield Brook and its associated tributaries
 - Northfield Brook Lake and its associated tributaries
 - 100-Year Flood Zone (Northfield Brook)
- Visual Character**
- Rural residential with forested rolling hills
 - Broad river valley associated with Northfield Brook Lake

- Zoning**
- Town of Thomaston
 - o Residential (RA-80A, RA-40)

Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Locations 71 to 81
 Mason Hill Road to Campville Road
 Towns of Thomaston and Litchfield, CT



CROSS-SECTION 4 (XS-4) VIEW LOOKING NORTH FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION

AREA DESCRIPTION

Existing Land Use

- Forested
- Residential
- Agricultural
- Northfield Brook Lake, Dam and Recreation Area (USACE)
- CT DEEP Property/Open Space (Humaston Brook State Park)
- CT DEEP Hunting Areas (Humaston Brook State Park, Northfield Brook Lake Recreation Area [USACE])

Zoning

- Town of Thomaston
 - Residential (RA-80A)
- Town of Litchfield
 - Residential (R-80)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- 100-Year Flood Zone

Visual Character

- Rural residential with forested rolling hills

RIGHT-OF-WAY DESCRIPTION

Land Use

- Upland and/or wetland forest adjacent to proposed structures 71 to 73, and 75 to 77
- Agricultural adjacent to and between proposed structures 74 to 75
- Residential adjacent to proposed structures 74, and 77 to 81

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-E2, W-E3, W-E4, W-E5, W-E6, W-E7, W-E8, W-E9, W-E10, W-E11, W-E12
- Wetland Cover Types: POW, PSS, PFO
- Stream Nos.: S-E3, S-E4, S-E5

Potential Access

- Proposed structures 71 to 77 can be accessed from Mason Hill Road
- Proposed structure 78 can be accessed from Hopkins Road
- Proposed structures 79 to 81 can be accessed from Campville Road

Right-of-Way Vegetation

- Old Field/Shrub Land
- Upland and Wetland Forest
- Agricultural
- House/Yard

Terrain

- Gently sloping hilltop

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

- 250 feet / 0 feet

Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

- 140 feet / 40 feet

Road Crossings / Major Utility Crossings

- Mason Hill Road between proposed structures 73 and 74
- Hopkins Road between proposed structures 77 and 78
- Campville Road north of proposed structure 81



EVERSOURCE ENERGY

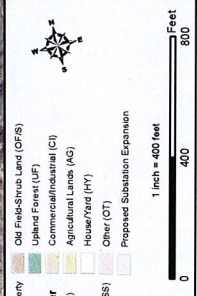
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December 2015

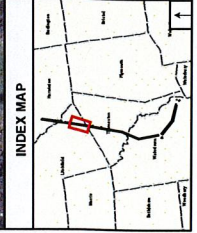
Frost Bridge to Campville 115-kV Project

Thomaston/Litchfield, Connecticut

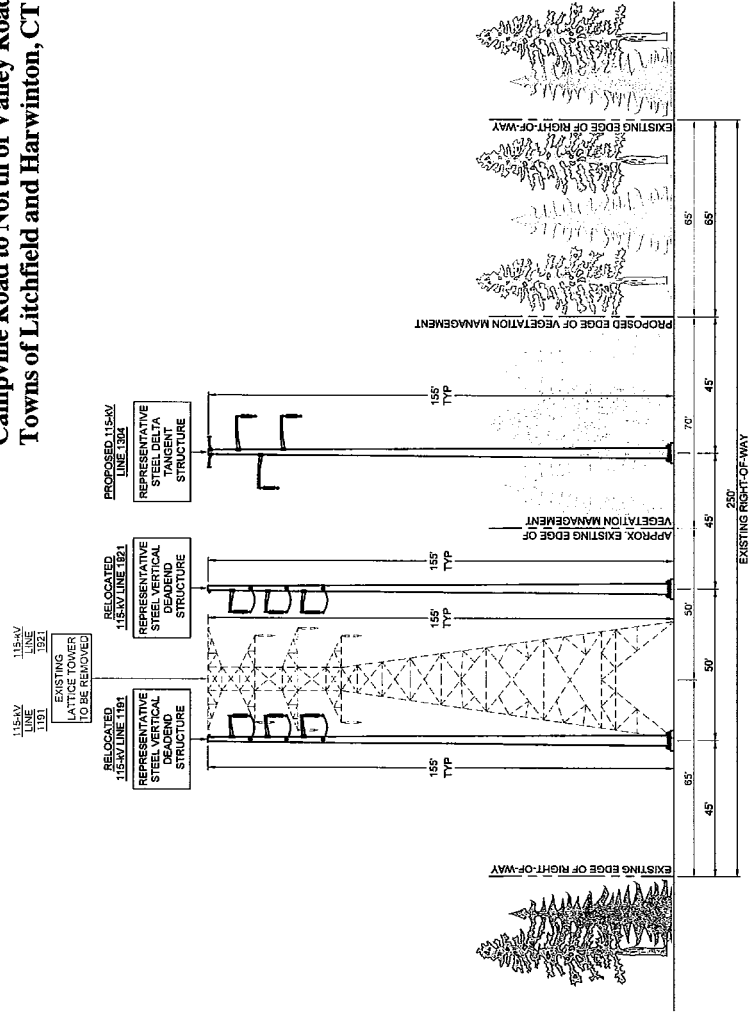
Mapsheet 7 of 9



- | | | | |
|--|---|--|---|
| | Proposed Structure | | EverSource Owned Property |
| | Structure to be Removed | | Municipal Boundary |
| | Existing Structure | | Land Use/Vegetative Cover |
| | Proposed 115-kV Line (Centerline) | | Emergent Wetland (PEM) |
| | Proposed UG 115-kV Line (Centerline) | | Forested Wetland (FFO) |
| | Existing Transmission Line (Centerline) | | Scrub-Shrub Wetland (PSS) |
| | Existing Transmission Line (Centerline) | | Open Water (POW) |
| | Right-of-Way (Existing) | | Proposed Substation Expansion |
| | Right-of-Way (Proposed) | | Aquifer Protection Area (APA) |
| | New Access Road | | Approximate FEMA 100-Year Flood Zone |
| | | | Trail Points |
| | | | Wetland Boundary |
| | | | Watercourse |
| | | | Connecticut Wetlands Only |
| | | | Parcel Boundary |
| | | | Zoning Designation |
| | | | Municipal Boundary |
| | | | National Register Listed Historic Site |
| | | | Federal Property |
| | | | Municipal/Private Park or Open Space |
| | | | Wildlife Area or Sanctuary |
| | | | State Forest |
| | | | State Park |
| | | | Natural Diversity Database Area (December 2014) |
| | | | Community Facilities |



Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Locations 82 to 88
 Campville Road to North of Valley Road
 Towns of Litchfield and Harwinton, CT



CROSS-SECTION 5 (XS-5) VIEW LOOKING NORTH FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION

AREA DESCRIPTION

Existing Land Use

- Forested
- Residential
- Recreational (Thomaston Dam Recreation Area [USACE])
- CT DEEP Hunting Area (Thomaston Dam [USACE])

Zoning

- Town of Litchfield
 - Residential (R-80)
- Town of Harwinton
 - Country Residential (CR)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- Naugatuck River and its associated tributaries
- Naugatuck River Valley
- Open water (ponds)
- 100-Year Flood Zone (Naugatuck River)

Visual Character

- Rural residential and forest land

RIGHT-OF-WAY DESCRIPTION

Land Use

- Upland and/or wetland forest adjacent to proposed structures 82 and 88
- Eversource property between and adjacent to proposed structures 85 and 86
- Residential adjacent to proposed structures 82 and 83
- Railroad between proposed structures 86 and the Naugatuck River
- Thomaston Dam (USACE) between proposed structures 86 and 87
- Commercial/Industrial (sand and gravel) adjacent to the Naugatuck River

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-F2, W-F3, W-F4, W-F5, W-F6, W-F7, W-F8, W-F9, W-F10, W-F-11, W-F12, W-F13
- Wetland Cover Types: PEM, PSS, PFO
- Stream Nos.: S-F1, S-F2, S-F3, S-F4, S-F5, S-F6, S-F7, S-F8, S-F9, S-F10, S-F11, S-F12

Potential Access

- Proposed structures 82 to 86 can be accessed from Campville Road
- Proposed structures 85 and 86 can be accessed from State Route 8
- Proposed structure 87 can be accessed from Valley Road
- Proposed structure 88 can be accessed from Wildcat Hill Road

Right-of-Way Vegetation

- Old Field/Shrub Land
- Upland and Wetland Forest
- House/Yard

Terrain

- Long steep slopes, rock outcrops, and promontories

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

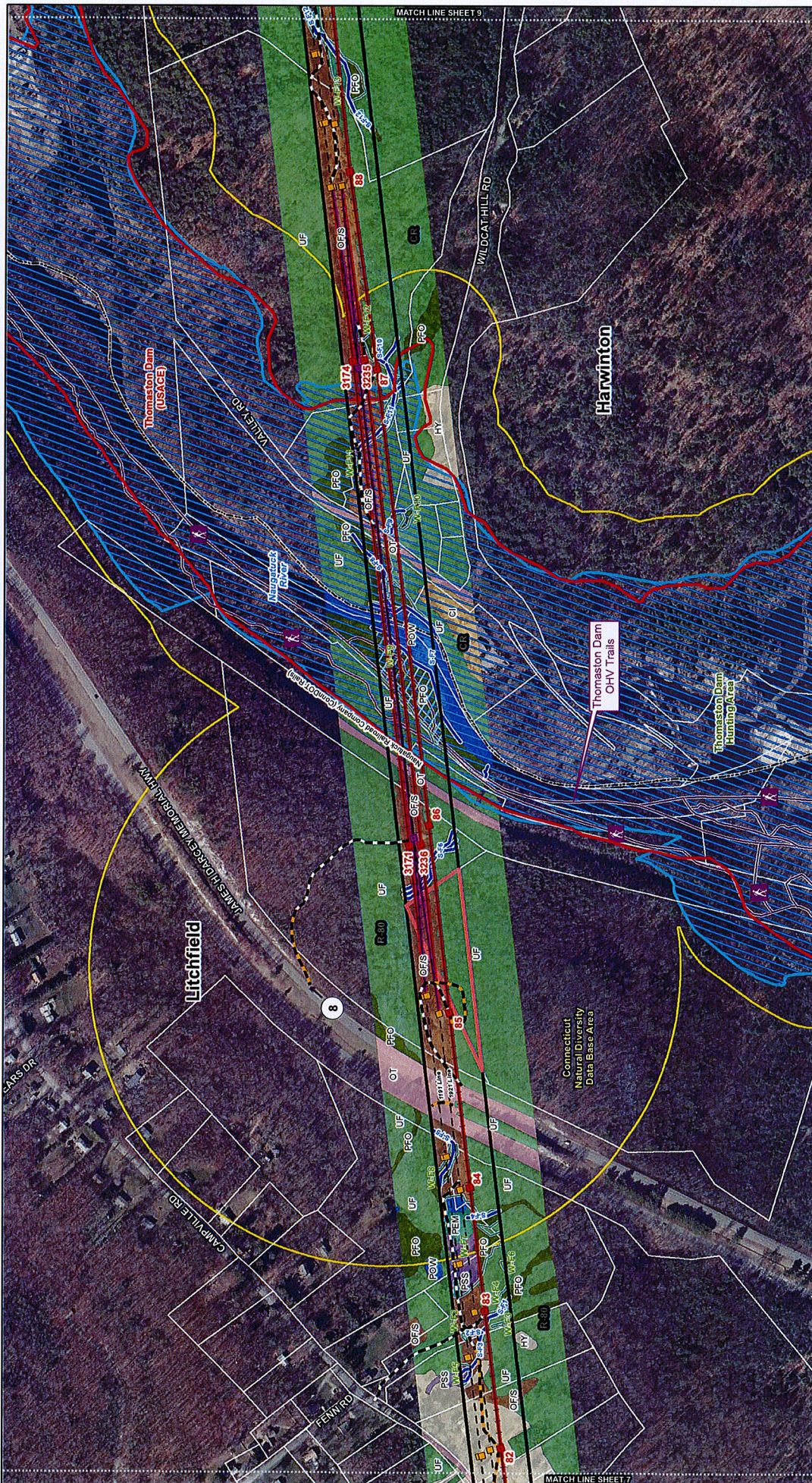
- 250 feet / 0 feet

Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

- 140 feet / 40 feet (proposed structures 82 to 86, and 87 to 88)
- 115 feet / 70 feet (proposed structures 86 to 87)

Road Crossings / Major Utility Crossings

- James H. Darcey Memorial Highway (Route 8) between proposed structures 84 and 85
- Railroad track and recreation trail between proposed structure 86 and Naugatuck River
- Valley Road between the Naugatuck River and proposed structure 87



EVERSOURCE
ENERGY

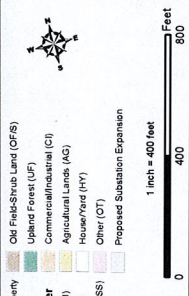
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Frost Bridge to Campville 115-kV Project

Litchfield/Harwinton, Connecticut

Mapsheet 8 of 9



INDEX MAP

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Proposed 115-kV Line (Centerline)
- Proposed 115-kV Line (Centerline)
- Proposed US 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- Existing Transmission Line (Centerline)
- Right-of-Way (Existing)
- Right-of-Way (Proposed)
- Existing Access Road
- New Access Road

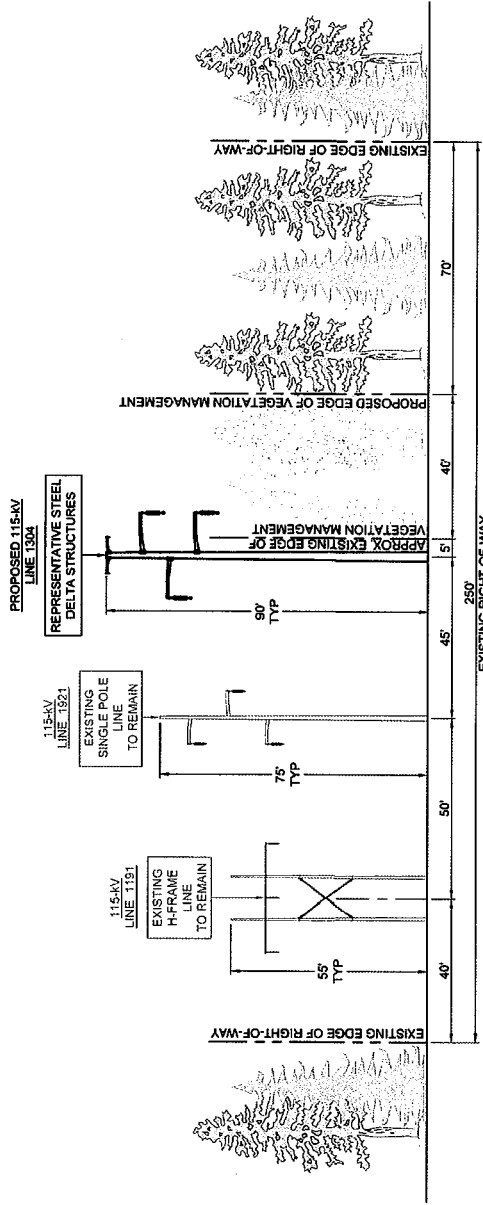
- Marked Trail
- National Register Listed Historic Site
- National Register Listed Historic Place
- Federal Property
- Municipal/Private Park or Open Space
- Wildlife Area or Sanctuary
- State Park
- Natural Diversity Database Area (December 2014)
- Community Facilities

- Aquifer Protection Area (APA)
- Approximate FEMA 100-Year Flood Zone
- Trail Points
- Wetland Boundary
- Watercourse
- Connecticut Wetlands Only
- Parcel Boundary
- Zoning Designation

- EverSource Owned Property
- Municipal Boundary
- Land Use/Vegetative Cover
 - Emergent Wetland (PEM)
 - Forest Wetland (PFC)
 - Scrub-Shrub Wetland (PSS)
 - Open Water (POW)
- Old Field/Shrub Land (OFS)
- Upland Forest (UF)
- Commercial/Industrial (CI)
- Agricultural Land (AG)
- House/Field (HY)
- Other (OT)
- Proposed Substation Expansion

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Frost Bridge to Campville 115-kV Project
 Proposed Route
 Proposed Structure Location 90 to Campville Substation
 South of Wildcat Hill Road to Campville Substation
 Town of Harwinton, CT



CROSS-SECTION 6 (XS-6) VIEW LOOKING NORTH FROM FROST BRIDGE TOWARDS CAMPVILLE SUBSTATION

AREA DESCRIPTION

- Existing Land Use**
- Forested
 - Residential
 - Commercial/Industrial (Campville Substation)
 - Recreational (Thomaston Dam Recreation Area [USACE])
 - CT DEEP Hunting Area (Thomaston Dam [USACE])

- Zoning**
- Town of Harwinton
 - Country Residential (CR)

Natural Systems

- Mixed hardwood forests of varying size and age
- State/federal jurisdictional wetlands and watercourses
- Open water (ponds)

Visual Character

- Forest land and rural residential

RIGHT-OF-WAY DESCRIPTION

Land Use

- Upland and/or wetland forest adjacent to proposed structures 90 to 93, and 96 to 97
- Eversource property north of proposed structures 95
- Residential adjacent to proposed structures 93 to 95
- Commercial/Industrial (Campville Substation) north of proposed structure 97

Wetlands, Watercourses and Waterbodies

- Wetland Nos.: W-F13, W-F14, W-F15, W-G1, W-G2, W-G3
- Wetland Cover Types: POW, PEM, PSS, PFO
- Stream Nos.: S-F12, S-F13, S-F14, S-G1, S-G2, S-G3

Potential Access

- Proposed structures 90 to 95 can be accessed from Wildcat Hill Road
- Campville Substation can be accessed from Wildcat Hill Road

Right-of-Way Vegetation

- Old Field/Shrub Land
- Upland and Wetland Forest
- House/Yard

Terrain

- Gently rolling

Existing Right-of-Way Width / Proposed Expansion of Right-of-Way Width

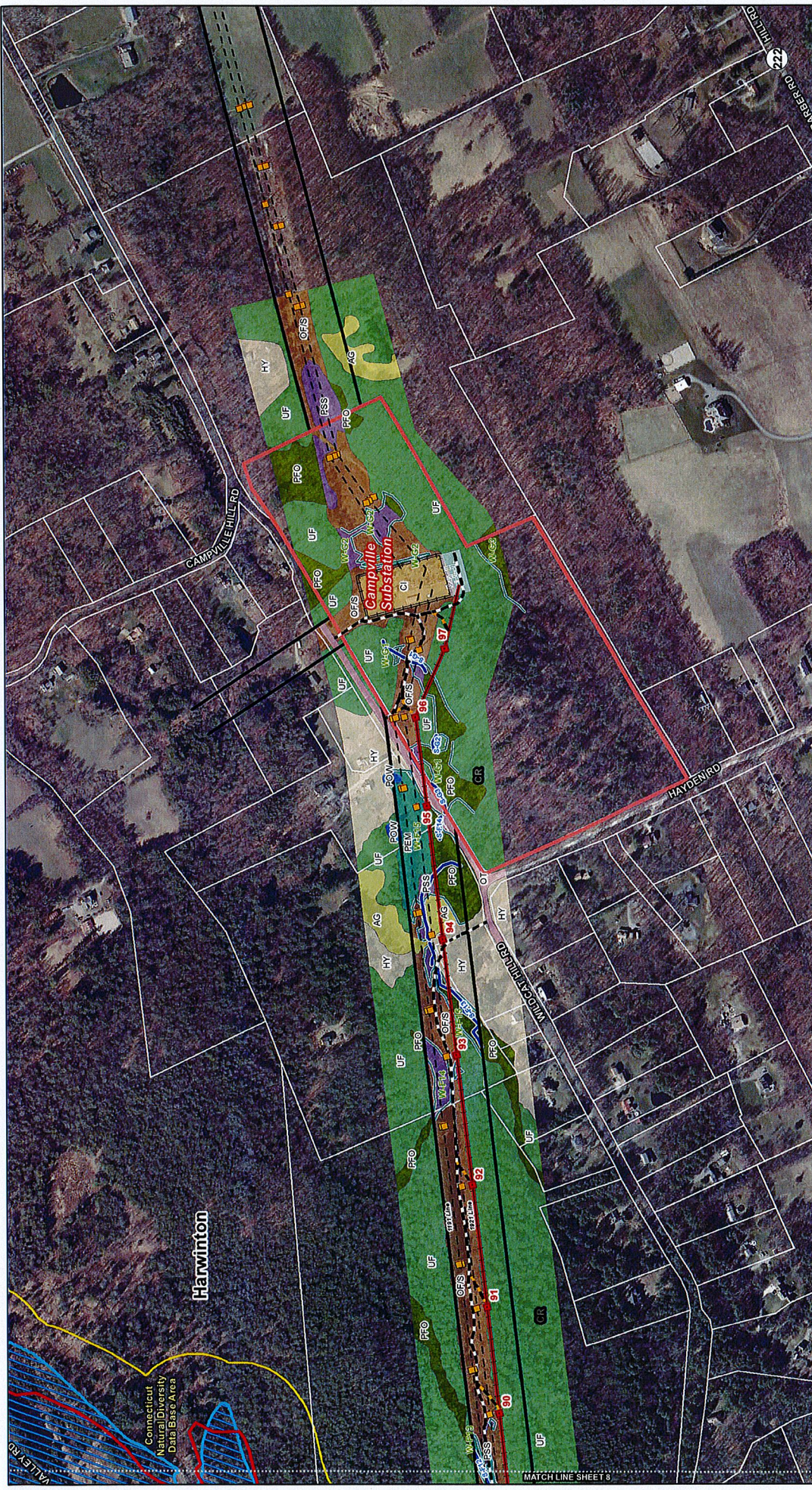
- 250 feet / 0 feet

Existing Maintained Right-of-Way Width / Proposed Additional Cleared Right-of-Way Width

- 140 feet / 40 feet

Road Crossings / Major Utility Crossings

- Wildcat Hill Road between proposed structures 95 and 96
- Private driveway between proposed structures 93 and 94



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EVERSOURCE ENERGY

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**Frost Bridge to Campville
115-kV Project**

Harwinton, Connecticut
Mapsheet 9 of 9

Legend:

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Proposed 115-kV Line (Centerline)
- Proposed UG 115-kV Line (Centerline)
- Existing Transmission Line (Centerline)
- Existing Transmission Line (Centerline)
- Right-of-Way (Existing)
- Existing Access Road
- New Access Road

- National Register Listed Historic Site
- National Register Listed Historic Place
- Federal Property
- Municipal/Private Park or Open Space
- Wildlife Area or Sanctuary
- State Forest
- State Park
- Community Database Area (December 2014)
- Community Facilities

- Market Trail
- National Register Listed Historic Site
- National Register Listed Historic Place
- Federal Property
- Municipal/Private Park or Open Space
- Wildlife Area or Sanctuary
- State Forest
- State Park
- Community Database Area (December 2014)
- Community Facilities

- Aquifer Protection Area (APA)
- Approximate FEMA 100-Year Flood Zone
- Trail Points
- Wetland Boundary
- Wetland Boundary
- Wetland Boundary
- Wetland Boundary
- Wetland Boundary
- Wetland Boundary
- Wetland Boundary

- Eversource Owned Property
- Municipal Boundary
- Municipal Boundary
- Municipal Boundary
- Municipal Boundary
- Municipal Boundary
- Municipal Boundary
- Municipal Boundary
- Municipal Boundary
- Municipal Boundary

- Old Field/Shrub Land (OFSL)
- Upland Forest (UF)
- Commercial/Industrial (CI)
- Agricultural Lands (AG)
- Home/Yard (HY)
- Other (OT)
- Proposed Substation Expansion
- Open Water (POW)

Scale: 1 inch = 400 feet

0 400 800 Feet