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**Kathleen M. Shanley**  
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Tel: 860-728-4527

March 7, 2017

Mr. Robert Stein, Chairman  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

RE: Docket No. 466: Frost Bridge to Campville 115-kV Project  
Monthly Construction Progress Report – February 2017

Dear Chairman Stein:

Pursuant to RCSA Section 16-50j-62(b)(3) and as described in Volume 1, Section 7, of the *Development and Management ("D&M") Plans for the Frost Bridge to Campville 115-kV Project ("Project"): D&M Plan for New 115-kV Transmission Line and Related Transmission Line Modifications* and the *D&M Plan for Modifications to the Frost Bridge Substation and Campville Substation*, The Connecticut Light and Power Company doing business as Eversource Energy (Eversource) hereby provides to the Connecticut Siting Council ("Council") this Construction Progress Report for the month of February 2017.

Should you or other Council members have any questions regarding this submission, please do not hesitate to contact me via e-mail at [kathleen.shanley@eversource.com](mailto:kathleen.shanley@eversource.com) or telephone at (860) 728-4527.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kathleen M. Shanley", written over a white background.

Kathleen M. Shanley

Enclosure

**DOCKET NO. 466**  
**FROST BRIDGE TO CAMPVILLE 115-kV PROJECT**  
**MONTHLY CONSTRUCTION PROGRESS REPORT**  
**FEBRUARY 2017**

**1. NEW 115-kV TRANSMISSION LINE AND RELATED TRANSMISSION LINE MODIFICATIONS**

During February, vegetation clearing continued along the Project right-of-way (ROW) in all four Project towns. Vegetation clearing is now 95% complete<sup>1</sup> along the ROW in Thomaston, Litchfield and Harwinton. Access road/work pad construction was performed in Watertown, Litchfield, and Harwinton. Work commenced on the installation of structure foundations in the towns of Litchfield and Harwinton.

Table 1 (included in Attachment 1) summarizes the construction progress on the transmission line portion of the Project, by town and construction activity, as of February 28, 2017.

**2. MODIFICATIONS TO FROST BRIDGE AND CAMPVILLE SUBSTATIONS**

Eversource's substation contractor for site clearing and grading at Campville Substation continued to perform site grading and to implement site stabilization measures.

No work was performed at Frost Bridge Substation.

Table 2 (included in Attachment 1) summarizes the status of work at the two substations as of February 28, 2017.

**3. MINOR DEVELOPMENT & MANAGMENT (D&M) PLAN CHANGES**

During February 2017, Eversource identified four minor D&M Plan changes. Each of these modifications is described below.

1. **Use of Existing Paved Access Road and Existing Off-Highway Vehicle (OHV) Road/Track on U.S. Army Corps of Engineers (USACE) Property for Vegetation Removal: Towns of Thomaston and Litchfield.** Portions of the ROW traverse steep topography, making the removal of cut vegetative materials difficult. To facilitate this process, Eversource plans to temporarily use an existing paved access road located within the USACE's Northfield Brook Recreation area (Town of Thomaston, Mapsheet 24) and an existing OHV road/track on USACE property in the Town of Litchfield (Mapsheet 31), as follows:
  - **Existing Northfield Brook Recreation Area Access.** The Northfield Brook Recreation Area paved access extends from State Route 254 to Northfield Brook Lake and crosses the ROW between Structures 69 and 70 (Line List No. 42008). Eversource proposes to use this access to allow logging trucks and other vegetative removal equipment to park along the side of the road at the ROW crossing and, from there, load removed vegetative materials for off-ROW transport. The recreation area and the road are closed to public traffic during the winter.
  - **Existing OHV Trail Access.** The OHV road/track is part of the USACE's Thomaston Dam OHV Trail system. In the vicinity of the ROW, the OHV track traverses south from Campville Road, generally paralleling the Naugatuck River on the south (Line List No. 42058). The OHV track, which crosses the ROW perpendicularly between Structures 86 and 87), is

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<sup>1</sup> Except for danger/hazard trees or side trimming, as needed.

surfaced with asphalt and cinders and is used by various types of off-road vehicles (e.g., snowmobiles, ATVs). Eversource's clearing contractor proposes to use the OHV track to provide access to cut one tree near the Naugatuck River that must be removed to meet conductor clearance requirements.

Eversource consulted with and obtained the approval of the USACE for the use of the existing paved road in the Northfield Brook Recreation Area and the Thomaston Dam OHV Trail. Fifteen copies of the revised Map Sheets 31 and 31A of 35 are attached.

2. **Campville Substation: Modifications to Grading for Drainage.** As part of the approved plans for the modifications to Campville Substation, Eversource performed site grading, which was designed to direct site runoff to an existing drainage swale on Eversource's property. However, after observations of drainage at the site in the past several months, Eversource determined that additional drainage improvements are warranted. Such drainage improvements would be implemented in uplands on Eversource property in the immediate vicinity of the substation perimeter fence, near the expanded substation area and along the existing substation access road (i.e., between the access road and the transmission line work pad for Structure 97). The planned drainage modifications would improve drainage beneath and from the substation, as well as along the existing access road, toward wetland WG-1.

Attachment 1

**Table 1  
Transmission Line Construction Progress (as of February 28, 2017)**

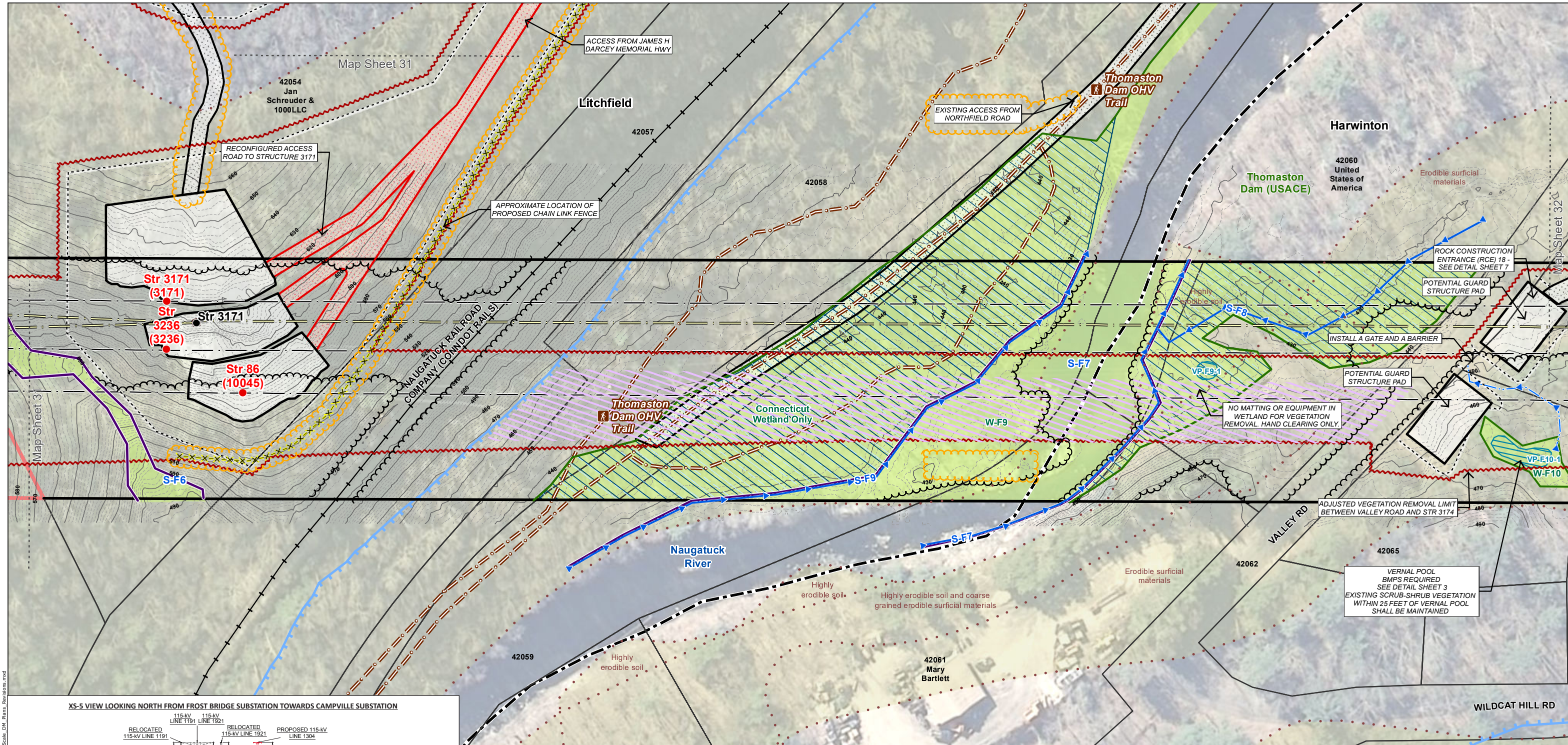
Frost Bridge to Campville 115-kV Project (1304 Line)											
Construction Progress Report 2/28/2017		Transmission									
		ROW Clearing	Work Area Preparation	Foundation Installation			Structure Installation			Wire Stringing (or Cable Installation)	Restoration
Town	Section of Project	ROW Clearing (% Complete)	Access Roads/Work Pads (% Complete)	Foundations Installed	Total Foundations	Foundations (% Complete)	Structures Installed	Total Structures	Structures (% Complete)	Stringing (% Complete)	(% Complete)
Watertown	1304 Line*	75%	20%	0	46	0%	0	46	0%	0%	0%
	Substation Underground Line Exit	N/A	N/A	0	2	0%	0	2	0%	0%	0%
Thomaston	1304 Line	95%	0%	0	24	0%	0	24	0%	0%	0%
Litchfield	1304 Line	95%	75%	0	15	0%	0	15	0%	0%	0%
	1191 and 1921 DCT Split	95%	75%	0	2	0%	0	2	0%	0%	0%
Harwinton	1191 and 1921 DCT Split	100%	95%	1	2	50%	0	2	0%	0%	0%
	1304 Line	95%	95%	1	10	10%	0	10	0%	0%	0%
<b>Total Project</b>		85%	35%	2	101	2%	0	101	0%	0%	0%

\*Includes Structure 3080

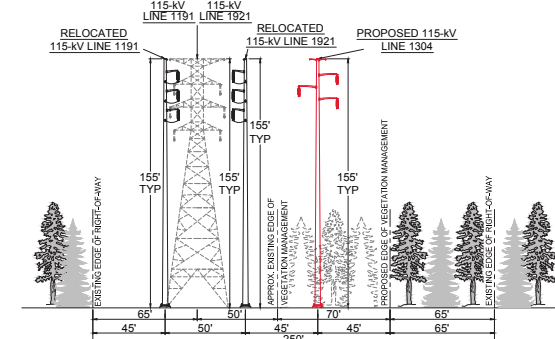
**Table 2  
Substation Construction Progress  
(February 28, 2017)**

Substation	Activity (% Complete)			
	Construction Start Date	Site Preparation	Equipment Installation	Testing
Frost Bridge	N/A	0%	0%	0%
Campville	12/2/2016	100%	0%	0%





**XS-5 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION**

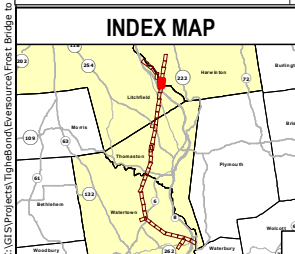


**GENERAL NOTES**

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL, CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

**WORK AREA BOUNDARIES IN / NEAR WETLANDS**  
 1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.  
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
86	DELTA TANGENT	145	WEATHERING STEEL	DRILLED SHAFT
3236	VERTICAL DEADEND	165	WEATHERING STEEL	DRILLED SHAFT
3171	VERTICAL DEADEND	145	WEATHERING STEEL	DRILLED SHAFT



**Legend**

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Chain Link Fence
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
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- Rare Species
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- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

NO.	DATE	REVISIONS	BY	CHK	APP	APP
REV 1	1/24/2017	ADDED EXISTING ACCESS FOR TEMPORARY CONSTRUCTION ACCESS TO STR 3171, ADDED PROPOSED CHAIN LINK FENCE, ADDED EXISTING ACCESS ROAD CALLOUT, AND REMOVED WETLAND WORK RESTRICTION NOTE	NC	MD		

**EVERSOURCE ENERGY**

**Frost Bridge to Campville  
115-kV Project  
Development & Management Plan**

Litchfield/Harwinton, CT      Map Sheet 31 of 35

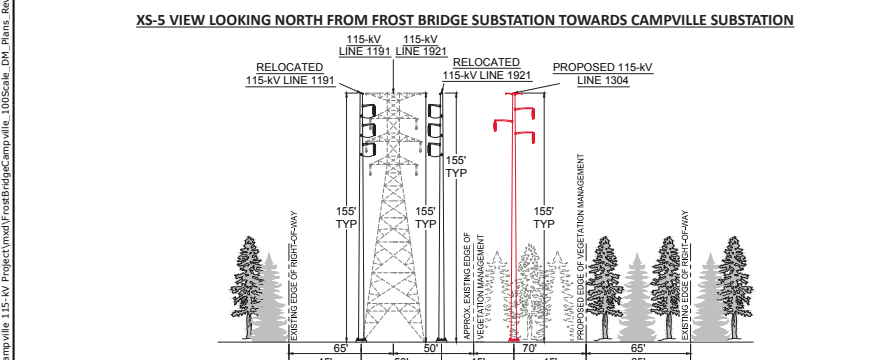
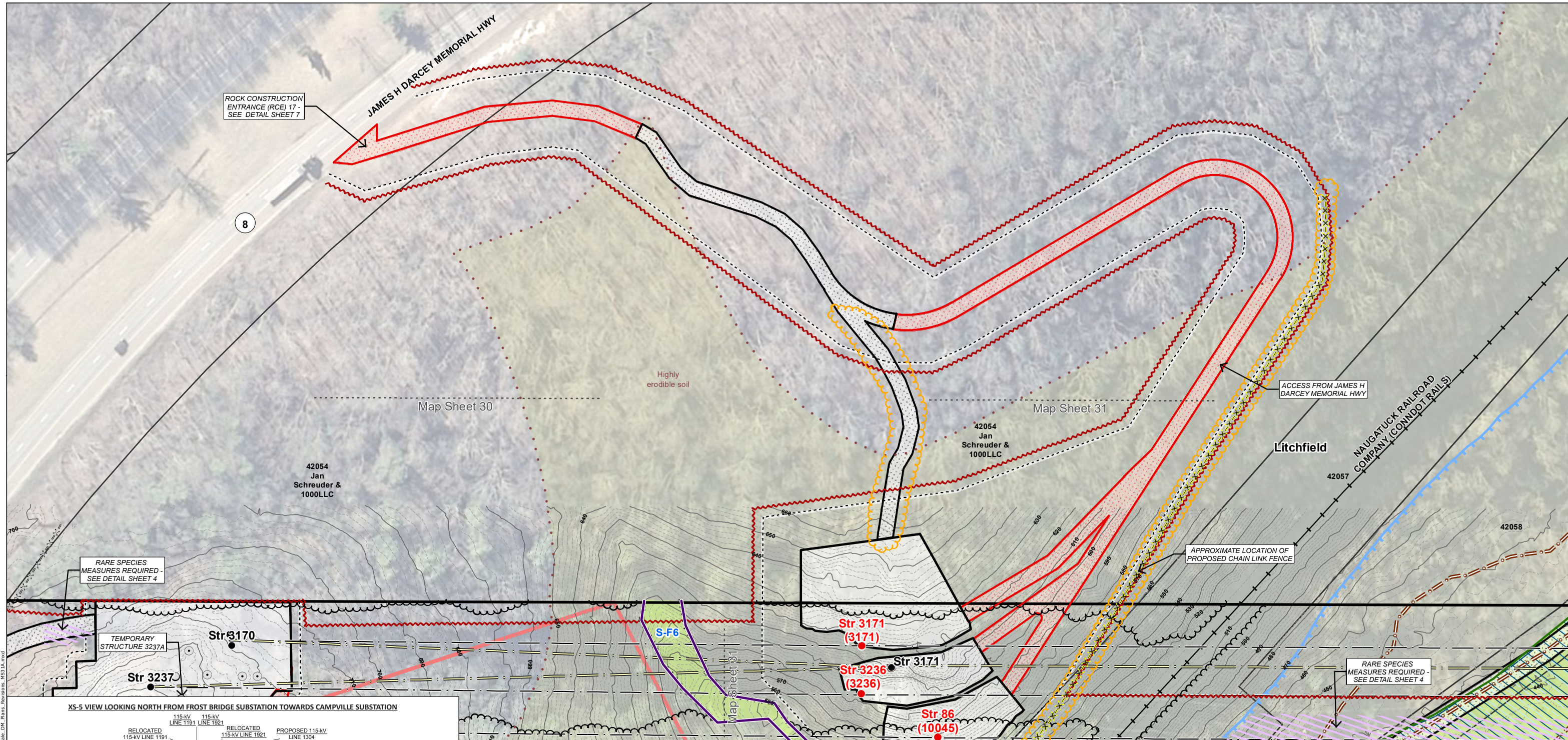
January 2017      Map Author: N. Castro

**Tighe & Bond**

**ALL-POINTS TECHNOLOGY CORPORATION**

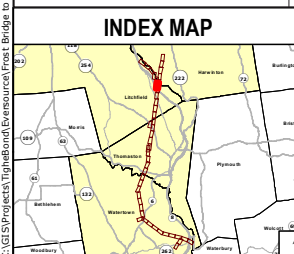
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Base Map Source: 2012 Aerial Imagery (CTECO) 0

1 inch = 100 feet

50 100

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**Frost Bridge to Campville 115-kV Project Development & Management Plan**

Litchfield, CT      Map Sheet 31A of 35

January 2017      Map Author: N. Castro

**Tighe & Bond**      ALL-POINTS TECHNOLOGY CORPORATION