



**Connecticut
Light & Power**

The Northeast Utilities System

56 Prospect Street, Hartford, CT 06103

Northeast Utilities Service Company

P.O. Box 270

Hartford, CT 06141-0270

(860) 728-4532

September 2, 2014

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



RE: Docket No. 424: Interstate Reliability Project
Development & Management Plan Change Notice Request:
Reductions in Heights of Two Structures Pursuant to Federal Aviation Administration Conditions
of Determination for Aviation Warning and Markings - Town of Mansfield

Dear Chairman Stein:

Pursuant to Section 16-50j-62(a)(1) of the Regulations of Connecticut State Agencies (RCSA) and Section 7.2 of the *Development and Management (D&M) Plan for the Construction of the Interstate Reliability Project (Project, Interstate) New 345-kV Transmission Lines and Related Minor Modifications to Adjacent Lines*, The Connecticut Light and Power Company (CL&P) submits the above-referenced proposed D&M Plan Change to the Connecticut Siting Council (Council) for review and approval.

In the D&M Plan approved by the Council (Volumes 1 and 2 dated August 2013; Volume 3 dated August 2013, updated February 2014), CL&P noted that consultations with the Federal Aviation Administration (FAA) were ongoing regarding CL&P's proposed aviation warning mitigation for certain 345-kV transmission line structures in the vicinity of the Windham Airport in Willimantic and the Danielson Airport in Killingly. Subsequent to the Council's approval of the D&M Plan, CL&P continued to consult with the FAA and designed aviation markings in accordance with the FAA's recommendations. On July 10, 2014, CL&P submitted a D&M Plan Change Notice to the Council regarding the aviation markings pursuant to the FAA's recommendations. The Council approved this Change on July 14, 2014.

Subsequently, based on the further review of information from the FAA, CL&P determined that two additional transmission line structures in the Town of Mansfield could receive FAA Notices of Presumed Hazard, requiring lighting or markings, as a result of proximity to flight paths associated with the Windham Airport. These two structures were not identified in previous FAA consultations.

The two structures are located side-by-side, west of Hawthorne Lane and are new 3271 Line Structure 80 and 330 Line Structure 9079 (which is being rebuilt as part of the Hawthorne Lane Right-of-Way Shift). Both structures are steel monopoles, and are approved in the D&M Plan to be 120 feet in height (refer to D&M Plan, Volume 3, Mapsheet 15). Both structures are located on CL&P property (Line List # 30151).

To avoid the need for aviation warning markings on these structures, CL&P proposes to reduce the heights of both structures by approximately 8 feet. Thus, each monopole would be approximately 112 feet tall. The attached revised D&M Plan Mapsheet 15 reflects these height reductions.



Chairman Stein
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CL&P is providing notice of this proposed D&M Plan change to the abutting property owners and representatives of the Town of Mansfield.

Enclosed please find an original and 15 copies of this submission.

Should you or other Council members have any questions regarding this proposed D&M Plan Change, please do not hesitate to contact me via e-mail at john.morissette@nu.com or telephone at (860) 728-4532.

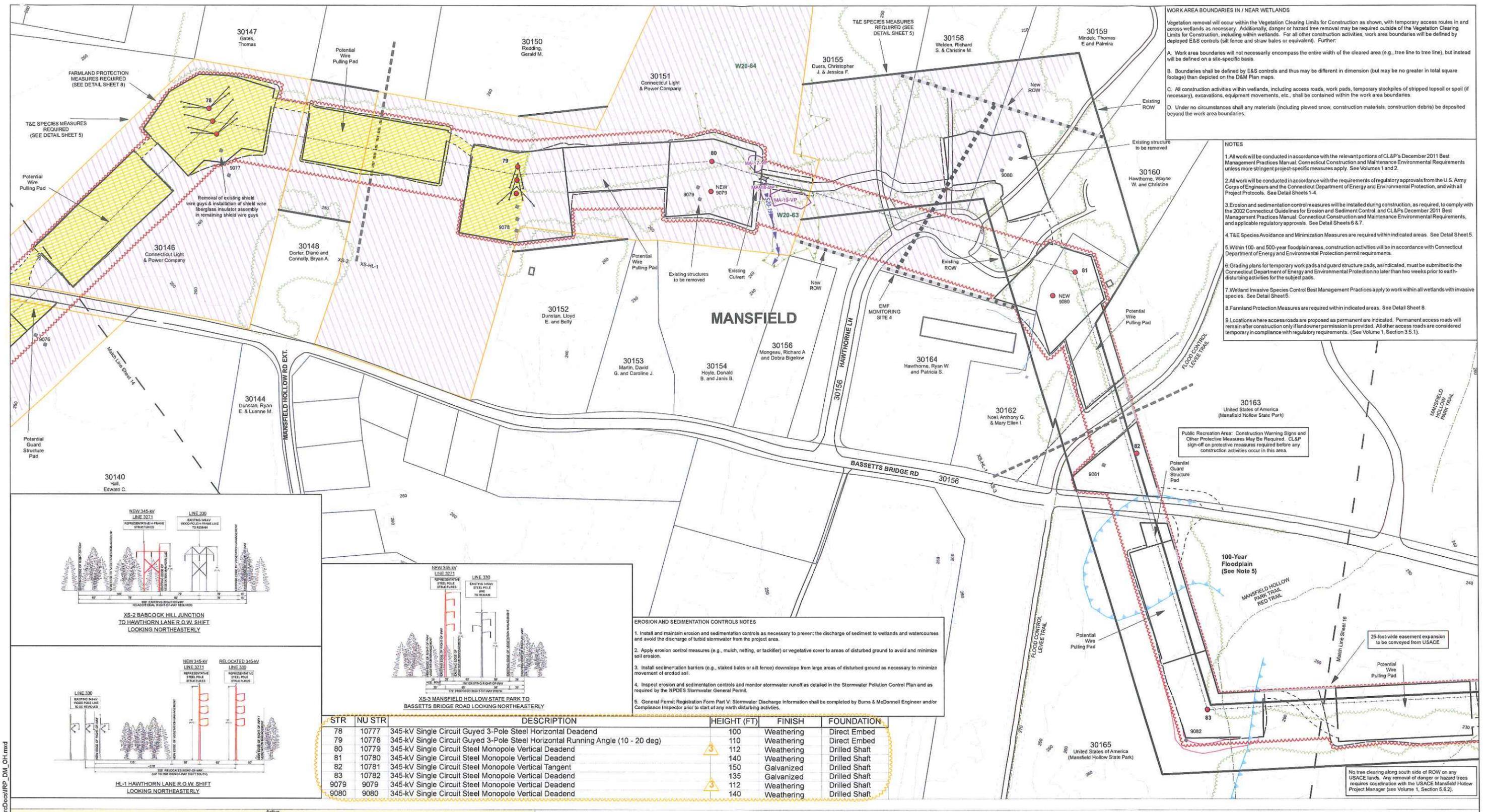
Sincerely,



John R. Morissette
Project Manager – Transmission Siting

Enclosure

Cc: Service List
The Honorable Elizabeth Paterson, Mayor, Town of Mansfield
Mr. Matthew Hart, Manager, Town of Mansfield
Donald B. and Janis B. Hoyle
David G. and Caroline J. Martin
Richard A. Mongeau and Debra Bigelow
Richard S. and Christine M. Weldon
Lloyd E. and Betty Dunstan
Christopher J. and Jessica F. Duers



WORK AREA BOUNDARIES IN / NEAR WETLANDS

Vegetation removal will occur within the Vegetation Clearing Limits for Construction as shown, with temporary access routes in and across wetlands as necessary. Additionally, danger or hazard tree removal may be required outside of the Vegetation Clearing Limits for Construction, including within wetlands. For all other construction activities, work area boundaries will be defined by deployed E&S controls (all fence and straw bales or equivalent). Further:

- Work area boundaries will not necessarily encompass the entire width of the cleared area (e.g., tree line to tree line), but instead will be defined on a site-specific basis.
- Boundaries shall be defined by E&S controls and thus may be different in dimension (but may be no greater in total square footage) than depicted on the D&M Plan maps.
- All construction activities within wetlands, including access roads, work pads, temporary stockpiles of stripped topsoil or spoil (if necessary), excavations, equipment movements, etc., shall be contained within the work area boundaries.
- Under no circumstances shall any materials (including plowed snow, construction materials, construction debris) be deposited beyond the work area boundaries.

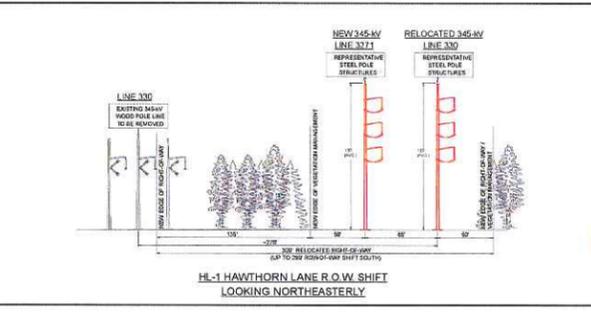
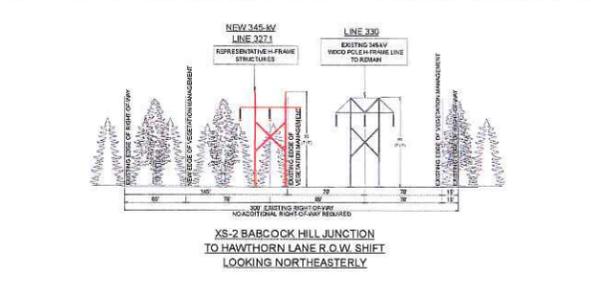
NOTES

- All work will be conducted in accordance with the relevant portions of CL&P's December 2011 Best Management Practices Manual: Connecticut Construction and Maintenance Environmental Requirements unless more stringent project-specific measures apply. See Volumes 1 and 2.
- 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. See Detail Sheets 1-4.
- Erosion and sedimentation control measures will be installed during construction, as required, to comply with the 2002 Connecticut Guidelines for Erosion and Sediment Control, and CL&P's December 2011 Best Management Practices Manual: Connecticut Construction and Maintenance Environmental Requirements, and applicable regulatory approvals. See Detail Sheets 6 & 7.
- T&E Species Avoidance and Minimization Measures are required within indicated areas. See Detail Sheet 5.
- Within 100- and 500-year floodplain areas, construction activities will be in accordance with Connecticut Department of Energy and Environmental Protection permit requirements.
- Grading plans for temporary work pads and guard structure pads, as indicated, must be submitted to the Connecticut Department of Energy and Environmental Protection no later than two weeks prior to earth-disturbing activities for the subject pads.
- Wetland Invasive Species Control Best Management Practices apply to work within all wetlands with invasive species. See Detail Sheet 5.
- Farmland Protection Measures are required within indicated areas. See Detail Sheet 8.
- Locations where access roads are proposed as permanent are indicated. Permanent access roads will remain after construction only if landowner permission is provided. All other access roads are considered temporary in compliance with regulatory requirements. (See Volume 1, Section 3.5.1).

EROSION AND SEDIMENTATION CONTROLS NOTES

- Install and maintain erosion and sedimentation controls as necessary to prevent the discharge of sediment to wetlands and watercourses and avoid the discharge of turbid stormwater from the project area.
- Apply erosion control measures (e.g., mulch, netting, or tackifier) or vegetative cover to areas of disturbed ground to avoid and minimize soil erosion.
- Install sedimentation barriers (e.g., stacked bales or silt fence) downslope from large areas of disturbed ground as necessary to minimize movement of eroded soil.
- Inspect erosion and sedimentation controls and monitor stormwater runoff as detailed in the Stormwater Pollution Control Plan and as required by the NPDES Stormwater General Permit.
- General Permit Registration Form Part V, Stormwater Discharge Information shall be completed by Burns & McDonnell Engineer and/or Compliance Inspector prior to start of any earth disturbing activities.

STR	NU STR	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
78	10777	345-kV Single Circuit Guyed 3-Pole Steel Horizontal Deadend	100	Weathering	Direct Embed
79	10778	345-kV Single Circuit Guyed 3-Pole Steel Horizontal Running Angle (10 - 20 deg)	110	Weathering	Direct Embed
80	10779	345-kV Single Circuit Steel Monopole Vertical Deadend	112	Weathering	Drilled Shaft
81	10780	345-kV Single Circuit Steel Monopole Vertical Deadend	140	Weathering	Drilled Shaft
82	10781	345-kV Single Circuit Steel Monopole Vertical Tangent	150	Galvanized	Drilled Shaft
83	10782	345-kV Single Circuit Steel Monopole Vertical Deadend	135	Galvanized	Drilled Shaft
9079	9079	345-kV Single Circuit Steel Monopole Vertical Deadend	112	Weathering	Drilled Shaft
9080	9080	345-kV Single Circuit Steel Monopole Vertical Deadend	140	Weathering	Drilled Shaft



Legend

- New Transmission Structure Pole
- New Transmission Line
- Existing Transmission Structure Pole
- Existing Distribution Lines
- Existing Distribution Structures
- New Guy Anchor
- Relocated Guy Anchor
- New Guy Wire
- Relocated Guy Wire
- Existing Access Road
- Proposed New Access Road
- Alternate Access Road
- Permanent (See Note 9)
- Work Pad
- Limit of Disturbance
- Existing ROW
- Stone Wall
- Property Lines
- NU Property
- Town Line
- Named Public Trails
- Vegetation Clearing Limits for Construction
- Existing Tree Canopy Line
- Wetland
- Open Water
- Perennial Stream
- Intermittent Stream
- Vernal Pool
- Amphibian Breeding Habitat
- T&E Species Area

NO.	DATE	REVISIONS	BY	CHK	APP	APP
3	8/27/2014	Structure height adjustment	LD	MK		
2	4/2/2014	Adjust clearing limits	LD	MK		
1	2/14/2014	404/401 Permit Revisions	LD	MK		

Burns & McDonnell
SINCE 1898

Northeast Utilities Service Co.
THE CONNECTICUT LIGHT & POWER CO.

**Interstate Reliability Project
Development & Management Plan**

DATE: 8/26/2013

DESIGNED: M. Kasinskas & M. Goetz
CHECKED: M. Kasinskas

DATE: 8/26/2013

BY: M. Goetz
CHKD: M. Kasinskas
APP: M. Kasinskas
APP: M. Kasinskas

Map Sheet 15 of 66

PATH: U:\Projects\NUS\24261\GIS\Drawings\ArcDocs\IRP_DM_OH.mxd