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Hartford, CT 06141-0270
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October 20, 2006

Mr. Daniel Caruso, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

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RE: Docket 272: Proposed Changes to the Segment 1a D&M Plan – Change Request 1

Dear Chairman Caruso:

On March 8, 2006, the Connecticut Siting Council (Council) conditionally approved the Segment 1a D&M Plan filed by The Connecticut Light and Power Company (CL&P) for overhead construction in Middletown, Haddam, Durham, Middlefield, Meriden and Wallingford. Subsequent to the approval of the Segment 1a D&M Plan, CL&P has made revisions to Volume 2 with respect to structure heights and access roads as final foundation design and engineering of Segment 1a is completed. Enclosed are an original and five (5) copies of the revised drawings.

CL&P has identified the following changes in Volume 2 as non-urgent significant, as defined in the change approval process, and are hereby filed with the Council for review at its next scheduled meeting. To aid in the Council's review of the revised plan, the changes are outlined below and referenced by drawing number.

- Drawing 01225-15001, Sheet 4 of 7:
 - Added a new temporary access road, within the right of way, through Wetland #38, from structure numbers 24522 to 24521. There are no vestiges of the existing access road previously shown from Durham Road to structure number 24521;
 - Added temporary access through Wetland #37, a mowed pasture, from Cherry Hill Rd to remove existing structure number 3590. The access previously shown to this structure from Durham Rd was too steep for the safe passage of construction equipment;
 - Added new access from new structure number 3584A to new structure number 3583, through Wetland #34, in order to facilitate the safe passage of larger construction equipment, such as cranes and pole trucks. The embankment from Route 17 is too steep for larger equipment to negotiate. However, smaller vehicles and equipment, such as drilling rigs, concrete trucks and pick-up trucks, will use Route 17 as access to structure number 3583.

- Drawing 01225-15001, Sheet 5 of 7:
 - Increased the height of structure number 4494 by 10 feet (from 60 feet to 70 feet) in order to maintain the north and south conductor elevations at relatively the same level to accommodate the change in terrain.
- Drawing 01225-15001, Sheet 7 of 7:
 - Replaced existing structure number 9884. Analysis of the existing three pole wood structure number 9884, indicated it could not support the proposed loadings based on the new configuration of the structures in this area without heavy guying in multiple directions. Therefore, the three wood poles were replaced with three self-supporting steel structures. The height of the steel structures (105 feet) is 12.5 feet taller than the original wooded poles 92.5 feet).
- Drawing 01227-15001, Sheet 2 of 3:
 - Increased the height of new structure number 24462 by 10 feet (from 135 feet to 145 feet) in order to maintain electrical clearance over the rebuilt 1466 line.
- Drawing 01227-15001, Sheet 3 of 3:
 - Increased the height of new structure number 9403 by 20 feet (from 155 feet to 175 feet) to accommodate a telecommunications antenna (includes the height of the structure with antenna).
- Drawing 01228-15001, Sheet 1 of 3:
 - Increased the height of new structure number 24600 by 10 feet (from 120 feet to 130 feet) in order to maintain electrical clearances over the existing 387 line.

Additionally, the following changes were identified in the Council's approval of the Segment 1a D&M plan as a result of responses to interrogatories during the Council's review. These revisions are included on the attached drawings as noted below.

- Drawing 01225-15001, Sheet 1 of 7:
 - New structure numbers 24503 A&B were moved 60 feet east and increased the height by 15 feet in order to facilitate construction at Beseck Mountain. (Revised response to CSC-03; Q-D&M-005-Rev-02).
- Drawing 01227-15001, Sheet 3 of 3:
 - New structures numbers 24472 and 9400A were moved to the south 30 feet to facilitate construction. (Response to CSC-03; Q-D&M-005).

The following non-significant changes are included on the drawings in this change approval request and are provided pursuant to the change approval process. Additionally, Attachment A is a matrix that identifies those structures where the final design of foundations is larger in diameter than the preliminary foundation design that was provided in the D&M Plan filed with the Council on December 22, 2005. The matrix also identifies the type of foundation to be constructed. Please refer to the attached revised Drawing 01227-60001 for typical foundation details. Note that structures where the diameter of the final design of foundations remained the same or decreased from that of the preliminary foundation design are not included in the matrix.

- Drawing 01225-15001, Sheet 1 of 7:
 - Added temporary access to existing structure numbers 4535 and 3618 from new structure number 24502.
- Drawing 01225-15001, Sheet 4 of 7:
 - Revised foundation diameters (see attached matrix) and structure descriptions based on final design; revised access roads;

- Increased the height of new structure numbers 24529 and 4502 by 5 feet;
- AR-36 will be addressed as part of the Segment 1b D&M Plan (Royal Oaks Bypass) changes that will be filed with the Council.
- Drawing 01225-15001, Sheet 5 of 7:
 - Revised structure descriptions based on final design;
 - Revised access road classification from “existing” to “proposed” for access to new structure number 24542;
 - Increased the height of new structure number 4494A by 5 feet.
- Drawing 01225-15001, Sheet 7 of 7:
 - Revised structure descriptions based on final design; corrected existing access at new structure number 24557 to be continuous from the east and west;
 - Identified new access road to new structure number 24555;
 - Changed access to new structure number 24553 from “temporary” to “existing.”
- Drawing 01227-15001, Sheet 2 of 3:
 - Increased the height of new structures 24412 and 24461 by 5 feet;
 - Added temporary access roads to new structure numbers 9413 and 6391;
 - Added new temporary access road from new structure number 6391 to new structure number 24413.
- Drawing 01227-15001, sheet 3 of 3:
 - Revised foundation diameters (see attached matrix) and structure descriptions based on final design;
 - Changed new structure number 8732 to weathering steel monopoles;
 - Changed access to structure number 24771 from Parker Rd to East Main St.
- Drawing 01228-15001, Sheet 1 of 3:
 - Revised access road locations.
- Drawing 01227-60001:
 - Revised to reflect the final foundation design for construction.

The following positive changes are included on the drawings in this change request and are provided pursuant to the change approval process:

- Drawing 01225-15001, Sheet 7 of 7:
 - Removed “alternate” access road extending northeast from Haddam Quarter Road.
- Drawing 01227-15001, Sheet 2 of 3:
 - Removed temporary access road from Knollfield Road to new Structure #24417;
 - Removed temporary access road from proposed access road to new Structures #24413 and 24462 and existing Structure 9410.
- Drawing 01227-15001, sheet 3 of 3:
 - Eliminated access from private drive to structure number 24418;
 - Eliminated circular access between new structure numbers 24420 and 9403.

If you need any further information, please call me at 860-665-2771.

Sincerely,


 Anne Bartosewicz
 Middletown-Norwalk Project Director

Attachments

cc: Fred Cunliffe – Supervisory Siting Analyst, Connecticut Siting Council
Sebastian Giuliano - Mayor, City of Middletown
Jon Brayshaw - First Selectman, Town of Middlefield
Anthony Bondi - First Selectman, Town of Haddam
James McLaughlin - First Selectman, Town of Durham
Lawrence Kendzior - Meriden City Manager
William Dickinson - Mayor, Town of Wallingford (w/o attachments)
Service list (w/o attachments)

ATTACHMENT A

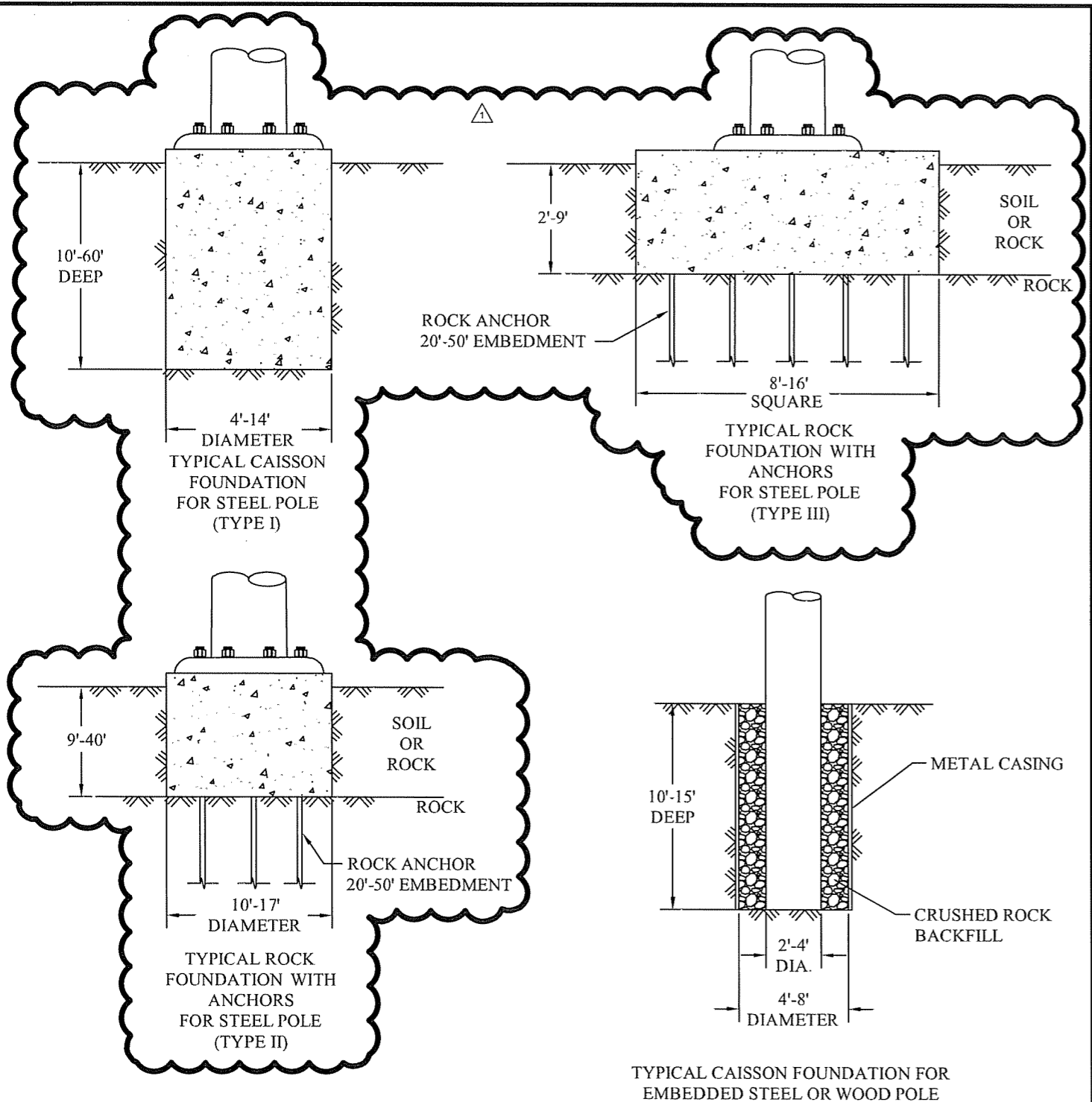
STRUCTURES WHERE FINAL FOUNDATION DESIGN IS LARGER THAN PRELIMINARY FOUNDATION DESIGN

STRUCTURE DATA SUMMARY

Segment 1A - BESECK - OXBOW JCT								
Dwg Number	Sheet Number	Structure	Description	Height	Finish	Preliminary Foundation Design ¹	Final Foundation Design	FDN Types ²
01225-15001	4 of 7	3584	115-KV COMPACT SINGLE CIRCUIT DE FRAME (0-9 DEG)	60'	WEATHERING	60" DIA DRILLED SHAFT	6' DIA DRILLED SHAFT	I
01225-15001	4 of 7	3583	115-KV COMPACT SINGLE CIRCUIT DE FRAME (0-9 DEG)	65'	WEATHERING	60" DIA DRILLED SHAFT	6' DIA DRILLED SHAFT	I
Segment 1A - BLACK POND JCT - BESECK								
		Structure	Description	Height	Finish	Preliminary Foundations Design ¹	Final Foundations Design	FDN Types ²
01227-15001	2 of 3	24413	345-KV SINGLE CIRCUIT TANGENT (0-2 DEG) VERTICAL	155'	GALVANIZED	84" DIA DRILLED SHAFT	8' DIA DRILLED SHAFT	I
01227-15001	2 of 3	24414	345-KV SINGLE CIRCUIT TANGENT (0-2 DEG) VERTICAL	130'	GALVANIZED	84" DIA DRILLED SHAFT	8' DIA DRILLED SHAFT	I
01227-15001	2 of 3	24415	345-KV SINGLE CIRCUIT TANGENT (0-2 DEG) VERTICAL	130'	GALVANIZED	84" DIA DRILLED SHAFT	8' DIA DRILLED SHAFT	I
01227-15001	2 of 3	24416	345-KV SINGLE CIRCUIT ANGLE (10-20 DEG) VERTICAL	130'	GALVANIZED	84" DIA DRILLED SHAFT	8' DIA DRILLED SHAFT	I
01227-15001	2 of 3	24417	345-KV SINGLE CIRCUIT TANGENT (0-2 DEG) VERTICAL	130'	GALVANIZED	84" DIA DRILLED SHAFT	8' DIA DRILLED SHAFT	I
01227-15001	3 of 3	24419	345-KV SINGLE CIRCUIT ANGLE (0-10 DEG) VERTICAL	160'	GALVANIZED	96" DIA DRILLED SHAFT	9' DIA DRILLED SHAFT	I
01227-15001	3 of 3	24422	345-KV SINGLE CIRCUIT ANGLE (0-10 DEG) VERTICAL	150'	GALVANIZED	96" DIA DRILLED SHAFT	9' DIA DRILLED SHAFT	I
01227-15001	3 of 3	24423	345-KV SINGLE CIRCUIT VERTICAL DEADEND (0-10 DEG)	140'	GALVANIZED	96" DIA DRILLED SHAFT	10' DIA DRILLED SHAFT	I


¹ - As shown in the Segment 1a D&M Plan filed with the Council on December 22, 2005.

² - See revised Drawing 01227-60001.



NOTES:

DIMENSION RANGES COVER MOST 115kV AND 345kV SITUATIONS. HOWEVER, LARGER AND SMALLER SIZES MAY BE NECESSARY DEPENDING UPON STRUCTURE LOADING AND SOIL CONDITIONS.

		NORTHEAST UTILITIES SERVICE CO. FOR THE CONNECTICUT LIGHT & POWER COMPANY BERLIN, CONNECTICUT			
		TITLE TYPICAL FOUNDATIONS			
BY	RDG	CHKD	APP	DEH	APP
DATE	2/17/05	DATE	DATE	3/21/05	DATE
SCALE	NTS	MICROFILM DATE	DWG NO 01227-80001		
P.A #		PROJ	V.S.		

NO	DATE	REVISIONS	BY	CHK	APP	APP
1	10/16/06	REVISED DETAILS TO REFLECT ANTICIPATED DESIGN	JPB	JMH		