

Image Source: State of Connecticut 2012 Imagery Mosaic Dataset

30000.04 Hinkel, Edward H.

Existing 345-kV Overhead Transmission Line

30000.03 Connecticut Light & Power Company

Existing 345-kV Overhead Transmission Line

30000.01 Insalaco, Philip J.

Burns	5 &r		Northeast Utilities Service Co.									
McDo	nnell 1898		THE CONNECTICUT LIGHT & POWER CO.									
			In	terstate Rel	iability Proj	ect						
ATE	DETAILED	Development & Management Plan										
8/1/2013	J.Francis	BY: J.Francis		CHKD: M.Kasinskas	APP	APP						
		DATE: 8/1/201	3	DATE: 8/1/2013	DATE	DATE						
SIGNED		SCALE 1inch =	40ft	Mapsheet	Card Stree	t Substation						
M.Kasinskas	M.Kasinskas	45547		A-3	Existing Conditions							



Burns	S &T		Northeast Utilities Service Co.									
McDo	nnell 1898		THE CONNECTICUT LIGHT & POWER CO.									
			Int	torstato Rol	iability Proj	oct						
ATE	DETAILED	De	eve	lopment & I	Vanagemen	t Plan						
8/1/2013	J.Francis	BY: J.Francis		CHKD: M.Kasinskas	APP	APP						
		DATE: 8/1/2013	3	DATE: 8/1/2013	DATE	DATE						
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IVI.Kasinskas	IVI.KASINSKAS	45547		A-4	Proposed Conditions							













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	W-2	03/05/13	ISSUED FOR D&M PLAN			.				McDonnell	
/	W-1	12/05/12	ISSUED FOR NUSCO REVIEW					designed	checked	SINCE 1898	
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# CARD STREET D&M PLAN - NOT FOR CONSTRUCTION CONTRACTOR PROPOSED GENERAL ARRANGEMENT PLAN



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	W-1	12/05/12	ISSUED FOR NUSCO REVIEW					designed X XXX	checked	SINCE 1898	
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s &		THE CONNECTICUT LIGHT & POWER CO.									
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		Interstate Rel	iability Proi	ect							
DETAILED	De	evelopment &	Managemer	nt Plan							
J.Francis	BY: J.Francis	CHKD: M.Kasinskas	APP	APP							
	DATE: 8/1/2013	DATE: 8/1/2013	DATE	DATE							
	SCALE 1inch = 4	<sup>40ft</sup> Mapsheet	Lake Road Sv	witching Station							
M.Kasinskas	45547	B-3	Existing Conditions								
	DETAILED J.Francis CHECKED M.Kasinskas	DETAILED J.Francis CHECKED M.Kasinskas DETAILED J.Francis DATE: 8/1/2013 SCALE 1inch = 4 45547	Interstate Rel DETAILEDJ.FrancisBY:DETAILEDBY:J.FrancisCHKD:M.KasinskasSCALE 1inch = 40ftM.KasinskasB-3	Interstate Reliability Proj     DETAILED   Interstate Reliability Proj     J.Francis   BY: J.Francis   CHKD: M.Kasinskas APP     CHECKED   DATE: 8/1/2013   DATE: 8/1/2013     M.Kasinskas   45547   B-3							







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									McDonnell		
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DWG. NO. EXHIBIT-1 PG 1

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		date DECEMBER 3, 2012	detailed J. EICHENBERGER	Burns&	 REVISIONS DURING CONSTRUCTION		N			T T4:1	<b>i</b> - <b>i</b> -a	Somica Co
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# LAKE ROAD D&M PLAN - NOT FOR CONSTRUCTION CONTRACTOR PROPOSED GENERAL ARRANGEMENT PLAN











		date DECEMBER 3, 2012	detailed J. EICHENBERGER	Burns &	REVISIONS DURING CONSTRUCTION		N	orthea	ast L	J <b>tilitie</b>	s Service Co.
<u>,,</u>	G-1 12/04/12 ISSUED FOR NUSCO REVIEW .   no date revisions det	dsinghod X. XXX dsn chk app		46650			BY	REV. NO. DATE	E	SIZE DWG. NO	EXHIBIT-1 PG 4

LAKE ROAD D&M PLAN - NOT FOR CONSTRUCTION CONTRACTOR PROPOSED SECTIONS - 2 OF 2





no. date

	BILL OF MAT	TERIAL (W.O.#40079801)						
ITEM NUMBER	QUANTITY	DESCRIPTION						
GD4	27500 FT.	CABLE, BARE, 4/0 19 STRAND SOFT-DRAWN (						
GD23	441	GROUND GRID CONNECTOR, CAST COPPER, FO CONNECTIONS, 4/0 MAIN CABLE 4/0 BRAN CAT. NO 53065.						
GD24	135	GROUND CABLE PARALLEL CONNECTOR, WROL 4/0 MAIN CABLE, 4/0 TAP, THOMAS & BETT						
GD25	31	TWO CABLES TO GROUND ROD CONNECTOR, D 4/0 MAIN CABLE, 4/0 TAP CABLE, 5/8" DIA. CAT. NO 53065-58 GR.						
GD26	31	GROUND ROD, 5/8" DIA., 8 FT. SINGLE LENGT						

GD

26

1. SEE DWG. 16909-95001 FOR GROUNDING MATERIAL FOR W.O. #402662LR 2. SEE DWG 16909-33004 PG.2 FOR GROUND GRID DATA.

CONSTRUCTION NOTES;

1. CONTRACTOR SHALL REPAIR ALL DAMAGE TO THE EXISTING GROUND GRID CAUSED BY THE INSTALLATION OF FOUNDATIONS, CONDUIT OR OTHER CONSTRUCTION ACTIVITY.

2. ALL REPAIRS TO THE GROUND GRID MUST MAINTAIN THE SAME CONTINUITY AS THE ORIGINAL PRECONSTRUCTION GROUND GRID.

### LEGEND;

TYP. 3' X 4' SWITCH EQUALIZING MAT REQUIRED FOR EACH DISCONNECT SWITCH

5/8" DIA. 8 FT LONG COPPERWELD GROUND ROD

X 💿 3/4" DIA., 10 FT. LONG, COPPERBONDED GROUND ROD (DETAIL 14 TYP. W.O. #402662LR)

 $\blacksquare$  GRID CROSS AND TEE CONNECTOR FOR 4/0 – 19 STRAND, BARE, SOFT-DRAWN COPPER CABLE (DETAIL 12 TYP. W.O. #402662LR)

COMPRESSION TYPE CONNECTION 4/0 COPPER TO 4/0 COPPER (DETAIL 13 TYP. W.O. # 402662LR)

XX DETAIL DESIGNATION, SEE DWG 33003 PG 6 THRU 8

S CONNECTION FROM BARE GROUND CABLE TO FENCE





DW	G UPD	G	REI 345K 345K 345K 345K 345K		RENC PLAN VIEV ROUNDIN ROUNDIN ROUNDIN MATERIAL	E D V IG DET IG DET LIST	AILS 1 AIL 25. AIL 26.		<u>GS</u> : 24_		_ 169 _ 169 _ 169 _ 169 _ 169	909- 909- 909- 909- 909-	-3300 -3300 -3300 -3300 -9500	01 03 PG 03 PG 03 PG 01	678			
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						REVI	SIONS	5 DU	RIN	G CO	ONS	TRU	СТІО	N	<del></del>			
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		TITLE		U	G DWG IPDATE	34	LAP 5K GR(	KE GF DUN	RO ROL	<b>DA</b> JND NG	D 2 )IN( P	271 3 F LAI	E PLA N	N				

		TITLE	(				27E									
			UPDAT		GROUND	undin ING F	g plan Plan									
		KILLINGLY, CT														
		BY	REA	CHKD	GEP	APP	REA	APP	GEP							
_		DATE	6/7/00	DATE	6/7/00	DATE	6/7/00	DATE	6/7/00							
		H-SCALE	1 <sup>"</sup> = 20'-0"	SIZE	E	FIELD BOOK & PAGES										
		V-SCALE	1" = 20'-0"	V.S.	•	R.E. DWG										
	APP	r.e. proj.	NUMBER		•	NUSCO	16909	9-330	04 PG 1							

## PUTNAM

4

## KILLINGLY

31004 State of Connecticut

Existing 115-kV Overhead Transmission Line

anno anno

Existing 115-kV

/31005 Providence & Worcester





0	40	80	160									
			Feet									
1 inch = 80 feet												

							DAT
NO.	DATE	REVISIONS	BY	СНК	APP	APP	DES

31013.01 Racette, Franklin P.

31009 Connecticut Light & Power Company

31013 Connecticut Light & Power Company

W20-180

31010 Tracy, Arthur & Charles

31007.01 Arthur Tracy Estate

W20-180

Burns	S &T		N	ortheast U	<b>tilities Se</b>	rvice Co.					
McDo	nnell		THE CONNECTICUT LIGHT & POWER CO.								
		Interstate Reliability Project									
ATE	DETAILED	De	evel	opment & I	Vanagemen	it Plan					
8/1/2013	J.Francis	BY: J.Francis		CHKD: M.Kasinskas	APP	APP					
		DATE: 8/1/2013	3	DATE: 8/1/2013	DATE	DATE					
SIGNED		SCALE 1inch = 8	80ft	Mapsheet	Killingly Substation						
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### KILLINGLY D&M PLAN - NOT FOR CONSTRUCTION CONTRACTOR PROPOSED GENERAL ARRANGEMENT PLAN AND AERIAL

![](_page_15_Picture_0.jpeg)

![](_page_15_Picture_1.jpeg)

![](_page_15_Figure_4.jpeg)

![](_page_15_Figure_5.jpeg)

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				date DECEMBER 3, 2012	detailed J. EICHENBERGER	Burnsg		REVISIONS DURING CONSTRUCTION		NT.				
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### KILLINGLY D&M PLAN - NOT FOR CONSTRUCTION CONTRACTOR PROPOSED GENERAL ARRANGEMENT PLAN

![](_page_16_Figure_1.jpeg)

![](_page_16_Figure_2.jpeg)

![](_page_16_Picture_3.jpeg)

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KILLINGLY D&M PLAN - NOT FOR CONSTRUCTION CONTRACTOR PROPOSED SECTIONS

Northeast Utilities Service Co. SIZE DWG. NO. EXHIBIT-1 PG 3

![](_page_17_Figure_0.jpeg)

![](_page_17_Figure_1.jpeg)

![](_page_17_Figure_2.jpeg)

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