



PUBLIC WATER CROSSING

MERRIMACK

LITCHFIELD

LEGEND:

380 LINE: 
 380 STR: 

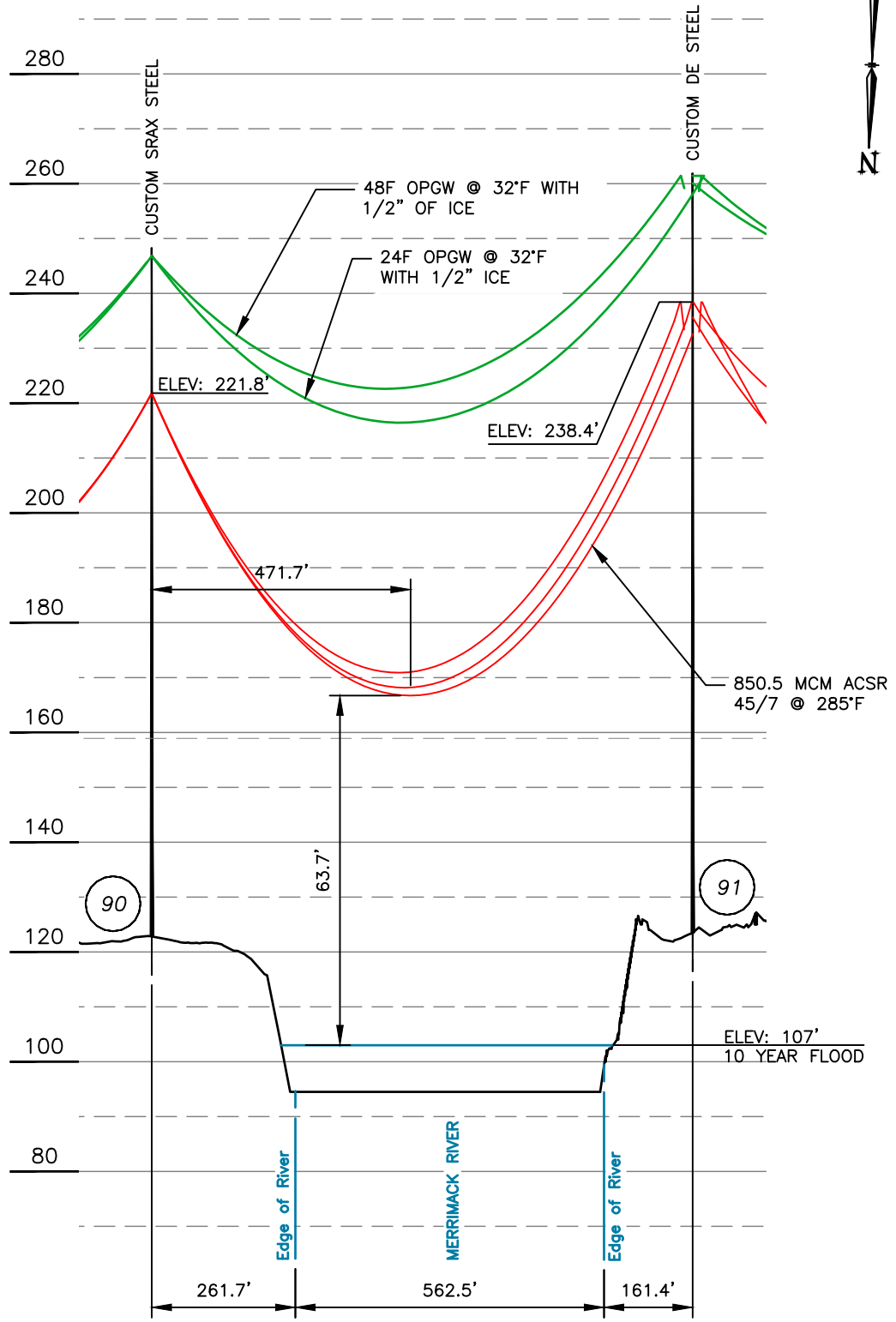
EVERSOURCE ENERGY

380, 345kV LINE
 MERRIMACK RIVER CROSSING
 MERRIMACK/LITCHFIELD, NEW HAMPSHIRE
 EXHIBIT 1

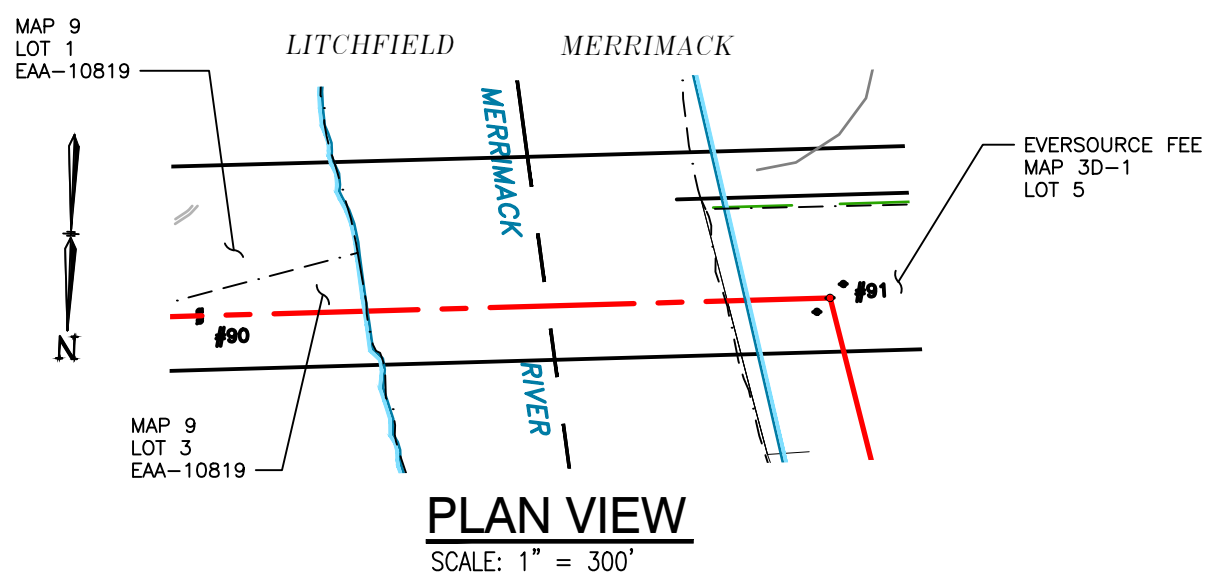
T	1
DRAWN CTS	
ENGINEER JRS	
CHECKED JRS	
APPROVED JRS	
DATE 09/17/2021	

DWG	REV	DATE	BY	CHKD	APPR
1		9/17/21	CTS	JRS	JRS

10/25/2021 11:39 AM - spensct - C:\Users\spensct\appdata\local\temp\AcPublish_15852\038043901.dwg - EXHIBIT 2 Str's 90-91 (WATER CROSSING) 12/2016



PROFILE VIEW
SCALE: HORIZ 1" = 300'
VERT 1" = 30'



PLAN VIEW
SCALE: 1" = 300'

LEGEND:

- STRUCTURE #90
- PROPERTY BOUNDARY
- 380 LINE 345KV LINE, C OF CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY
- LIMITS OF PUBLIC WATERBODY

STRUCTURE 90
CUSTOM A TYPE
STR 90: ARE EVERSOURCE TANGENT, SINGLE CIRCUIT H-FRAME, HORIZONTAL CONFIG.

STRUCTURES 91
CUSTOM DE TYPE
STR 91: ARE EVERSOURCE DEADEND, SINGLE CIRCUIT H-FRAME, HORIZONTAL CONFIG.

STRUCTURE DETAIL
SCALE: NTS

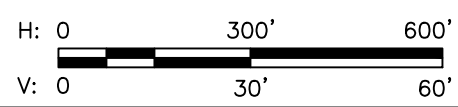
STRUCTURE DETAILS				
STRUCTURE	TYPE	MATERIAL	A	B
90	A	STEEL	125.5	99
91	DE	STEEL	138.5	115

CABLE SCHEDULE						
WIRE	QTY OF CABLES	DESCRIPTION	DESIGN CONDITIONS			
			MAX DESIGN TENSION (lb)	TEMP (°F)	ICE (in)	WIND (psf)
CONDUCTOR	3	850.8 ACSR 45	6200	0	0.5	4
OPGW	1	48F #0.646" OPGW	5500	0	0.5	4
OPGW	1	24F 0.646" OPGW	4400	0	0.5	4

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
90	-71.47842802	42.83023156
91	-71.48209317	42.83005893

- NOTES:**
- PARCEL INFORMATION PROVIDED BY NH GRANIT.
 - ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.

NESC VERTICAL CLEARANCE (FT) FROM TABLE 232.1		
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	LINE VOLTAGE (kV)	
WATER AREAS SUITABLE FOR SAIL BOATING INCLUDING LAKES, PONDS, RESERVOIRS, TIDAL WATERS, RIVERS, STREAMS, AND CANALS WITH AN UNOBSTRUCTED SURFACE AREA OF:	SHIELD WIRE/FIBER	345
OVER 20 TO 200 ACRES	25.5	34.8



EVERSOURCE ENERGY

380, 345kV LINE
MERRIMACK RIVER CROSSING
MERRIMACK/LITCHFIELD, NEW HAMPSHIRE
EXHIBIT 2

DRAWN CTS	T 1
ENGINEER JRS	
CHECKED JRS	
APPROVED JRS	
DATE 09/17/2021	

SCALE AS SHOWN	FILE: 038043901.DWG IMAGE:	DRAWING NO. 038043901
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1	SUBMITTED TO PUC WO#80057392	9/17/21	CTS	JRS	JRS	
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR