



LEGEND:

K165 LINE: 
 K165 STR: 

EVERSOURCE
ENERGY

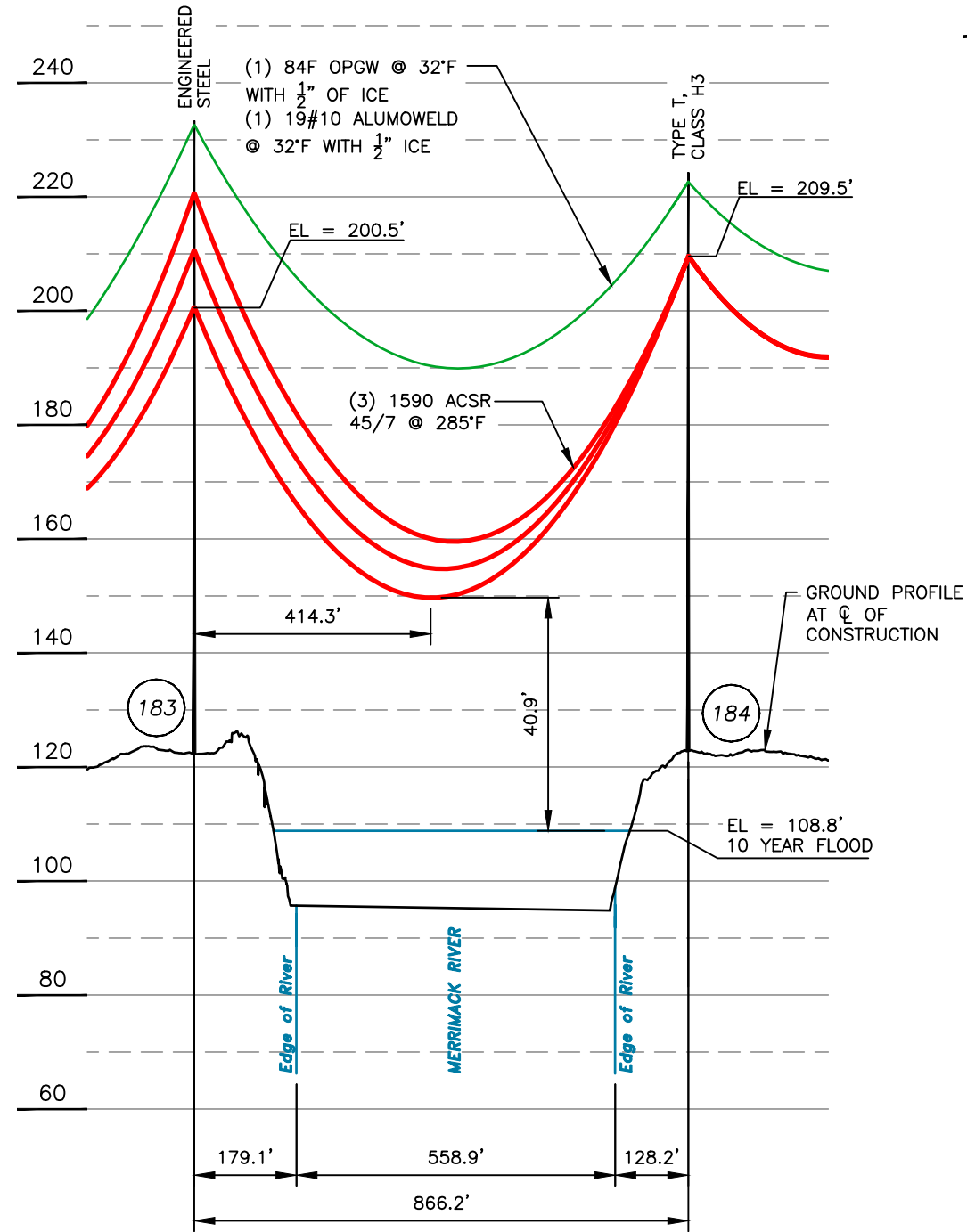
K165 115kV LINE
 MERRIMACK RIVER, WATERBODY CROSSING LOCATION PLAN
 MERRIMACK & LITCHFIELD, NEW HAMPSHIRE
 EXHIBIT 1

T	1
DRAWN CTS	
ENGINEER APS	
CHECKED DSD	
APPROVED APS	
DATE 02/15/2022	

1	SUBMITTED TO DOE	02/15/22	CTS	DSD	APS	
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR

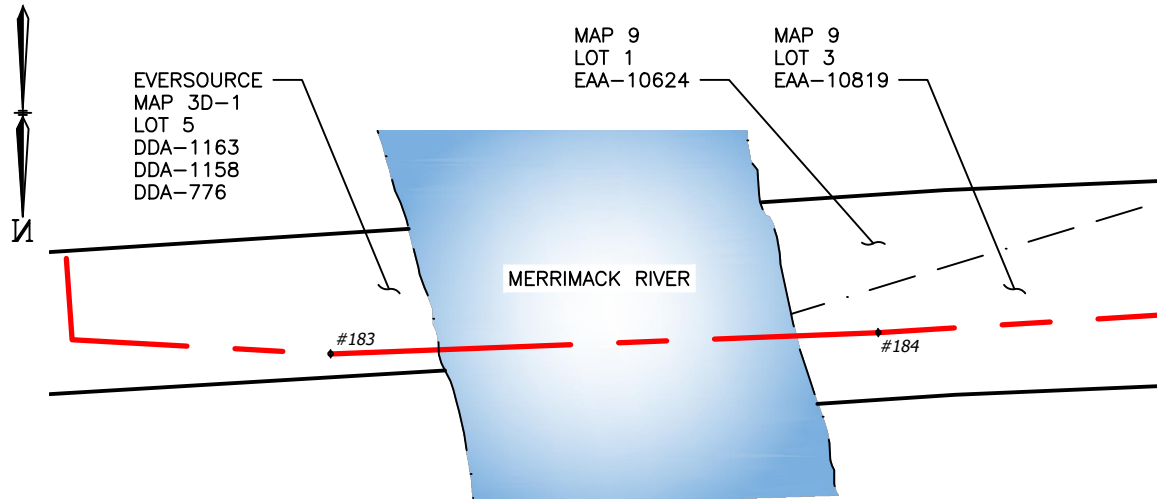
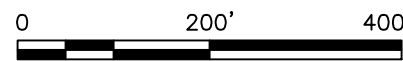
SCALE 1" = 1500'	FILE: 04044-8501.DWG
IMAGE:	

DRAWING NO.
04044-8501



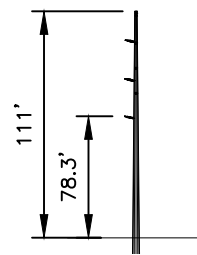
PROFILE VIEW

SCALE: HORZ 1" = 300'
VERT 1" = 30'



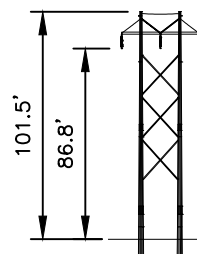
PLAN VIEW

SCALE: 1" = 300'



STRUCTURE 183
ENGINEERED ANGLE

STR 183: IS AN EVERSOURCE ENGINEERED, SINGLE CIRCUIT STEEL POLE, ANGLE, VERTICAL CONFIGURATION.



STRUCTURE 184
TYPE T

STR 184: IS AN EVERSOURCE TANGENT, SINGLE CIRCUIT STEEL POLE, H-FRAME, HORIZONTAL CONFIGURATION.

STRUCTURE DETAIL

SCALE: NTS

NOTES:

1. PARCEL INFORMATION PROVIDED BY NH GRANIT.
2. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
3. THE 10 YEAR FLOOD ELEVATION FROM THE FEMA FLOOD INSURANCE STUDY NO. 33011CV003A

LEGEND:

- #183 STRUCTURE
- LINE, C OF CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY
- WATERBODY

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
183	-71.48200982	42.82976960
184	-71.47885748	42.82985458

NESC VERTICAL CLEARANCE (FT) FROM TABLE 232.1	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	LINE VOLTAGE 115kV
WATER AREAS SUITABLE FOR SAIL BOATING INCLUDING LAKES, PONDS, RESERVOIRS, TIDAL WATERS, RIVERS, STREAMS, AND CANALS WITH AN UNOBSTRUCTED SURFACE AREA OF OVER 20 TO 200 ACRES	30.1

CABLE SCHEDULE						
WIRE	QTY OF CABLES	DESCRIPTION	DESIGN CONDITION			
			MAX DESIGN TENSION (lb)	TEMP (°F)	ICE (in)	WIND (psf)
CONDUCTOR	3	ACSR 1590 Kcmil 45/7	8172	0	0.5	4
OPGW	1	OPGW 84F	1699	0	0.5	4
STATIC	1	19#10 ALUMOWELD	2903	0	0.5	4

1	SUBMITTED TO DOE	02/15/22	CTS	DSD	APS	
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR

EVERSOURCE ENERGY

K165, 115kV LINE
MERRIMACK RIVER, PUBLIC WATER CROSSING
MERRIMACK & LITCHFIELD, NEW HAMPSHIRE
EXHIBIT 2

SCALE AS SHOWN	FILE: 04044-8501.DWG	DRAWING NO. 04044-8501
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