



LEGEND:

H123 LINE: 
 H123 STR: 

EVERSOURCE ENERGY

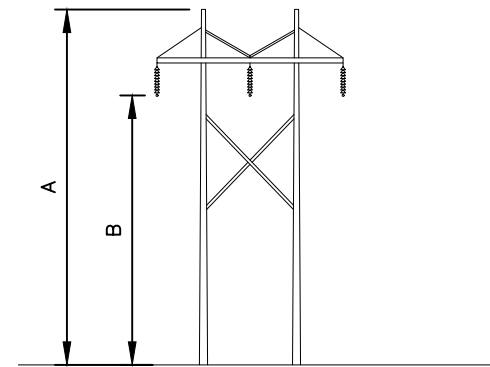
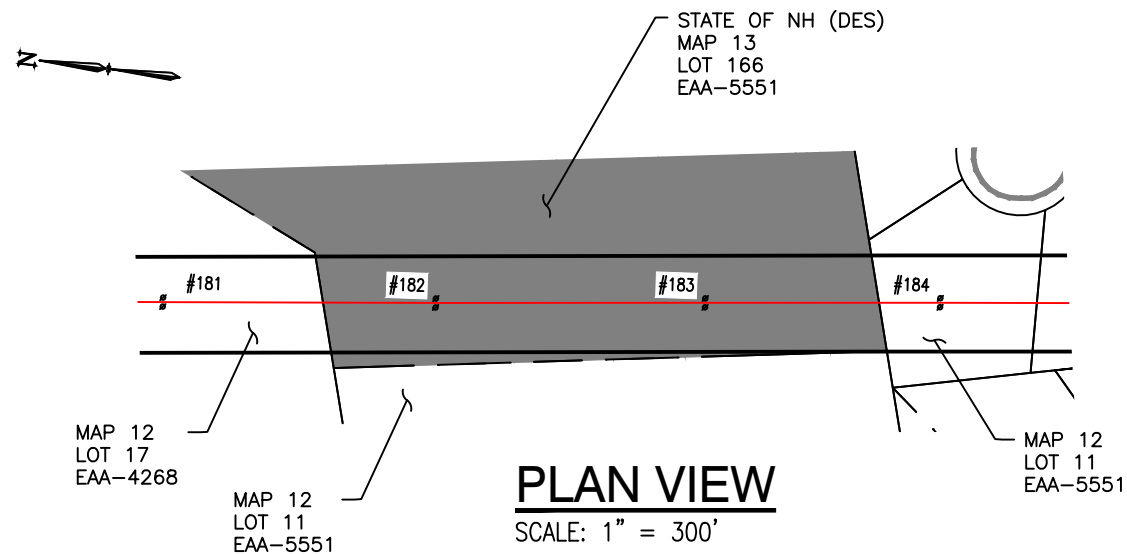
H123 115kV LINE
 PUBLIC WATERBODY AND STATE LAND CROSSING, LOCATION PLAN
 MERRIMACK/LITCHFIELD, NEW HAMPSHIRE
 EXHIBIT 1

T	1
DRAWN CTS	
ENGINEER APS	
CHECKED DSD	
APPROVED APS	
DATE 11/29/2022	

DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	ISSUED TO DOE		11/29/22	CTS	DSD	APS

SCALE: 1" = 2000'
 FILE: 04033-81001.DWG
 IMAGE:

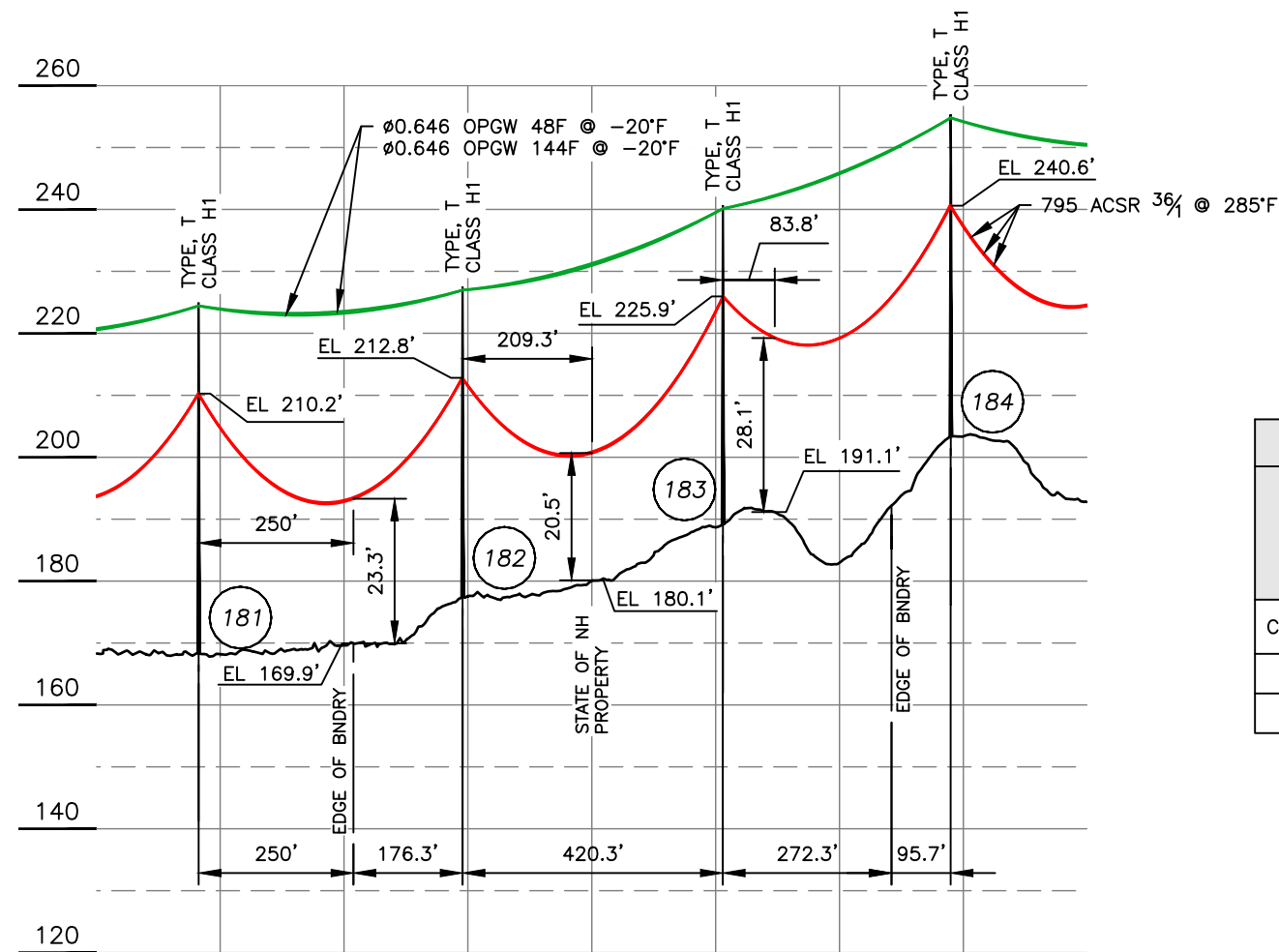
DRAWING NO. 04033-81001



STR'S 181, 182, 183, 184: ARE EVERSOURCE TYPE T, SINGLE CIRCUIT STEEL POLE TANGENT, HORIZONTAL CONFIG.

LEGEND:

- STRUCTURE
- PROPERTY BOUNDARY
- LINE, CL OF CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY
- WATERBODY



STRUCTURE DETAILS				
STRUCTURE	TYPE	MATERIAL	A	B
181	T	STEEL	56.7	42
182	T	STEEL	50.1	35.4
183	T	STEEL	51.5	36.8
184	T	STEEL	52	37.3

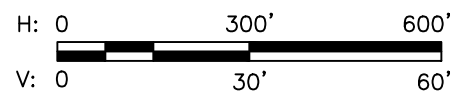
STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
181	-71.46985974	42.84381744
182	-71.46967411	42.84265582
183	-71.46949004	42.84151071
184	-71.46932663	42.84050817

STRUCTURE DETAIL
SCALE: NTS

CABLE SCHEDULE						
WIRE	QTY OF CABLES	DESCRIPTION	DESIGN CONDITIONS			
			MAX DESIGN TENSION (lb)	TEMP (°F)	ICE (in)	WIND (psf)
CONDUCTOR	3	ACSR, 795 kcmil 36/1, COOT	4900	0	0.5	4
OPGW	1	48F Ø0.646 OPGW	6000	0	0.5	4
OPGW	1	144F Ø0.646 OPGW	6000	0	0.5	4

NESC VERTICAL CLEARANCE (FT) FROM TABLE 232.1, C2-2012	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	115kV
OTHER AREAS TRAVERSED BY VEHICLES, SUCH AS CULTIVATED, GRAZING, FOREST, AND ORCHARD LANDS, INDUSTRIAL SITES, COMMERCIAL SITES, ETC	20.1

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



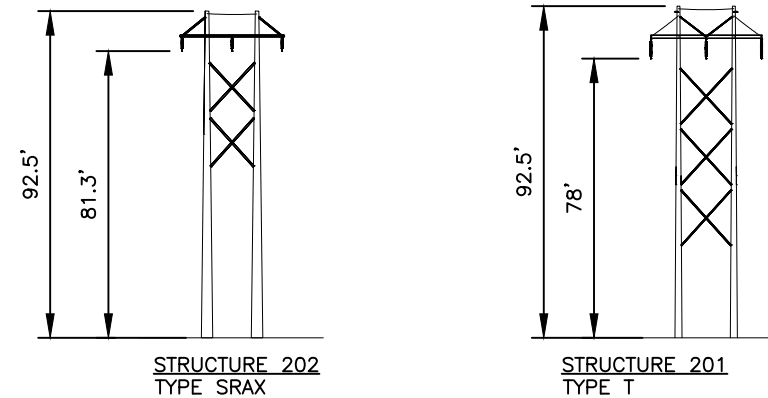
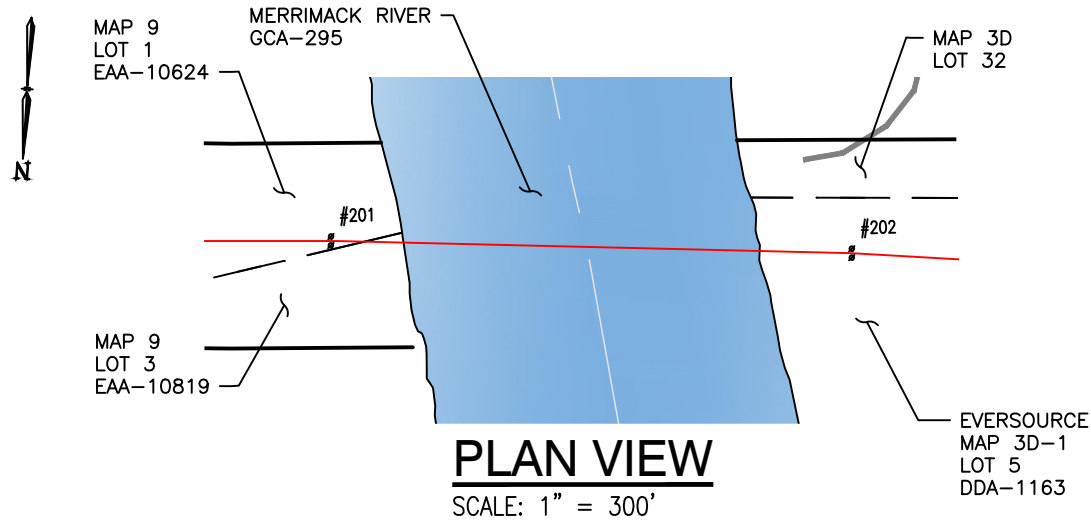
1	ISSUED TO DOE	11/29/22	CTS	DSD	APS	
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR

EVERSOURCE ENERGY

H123, 115kV LINE
STATE LAND CROSSING
LITCHFIELD, NEW HAMPSHIRE
EXHIBIT 3

T	1
DRAWN	CTS
ENGINEER	APS
CHECKED	DSD
APPROVED	APS
DATE	11/29/2022

SCALE: AS SHOWN
FILE: 04033-81001.DWG
DRAWING NO.: 04033-81001



STR 202: IS A EVERSOURCE TYPE SRAX, SINGLE CIRCUIT STEEL POLE TANGENT, HORIZONTAL CONFIG.
STR 201: IS A EVERSOURCE TYPE T, SINGLE CIRCUIT STEEL POLE TANGENT, HORIZONTAL CONFIG.

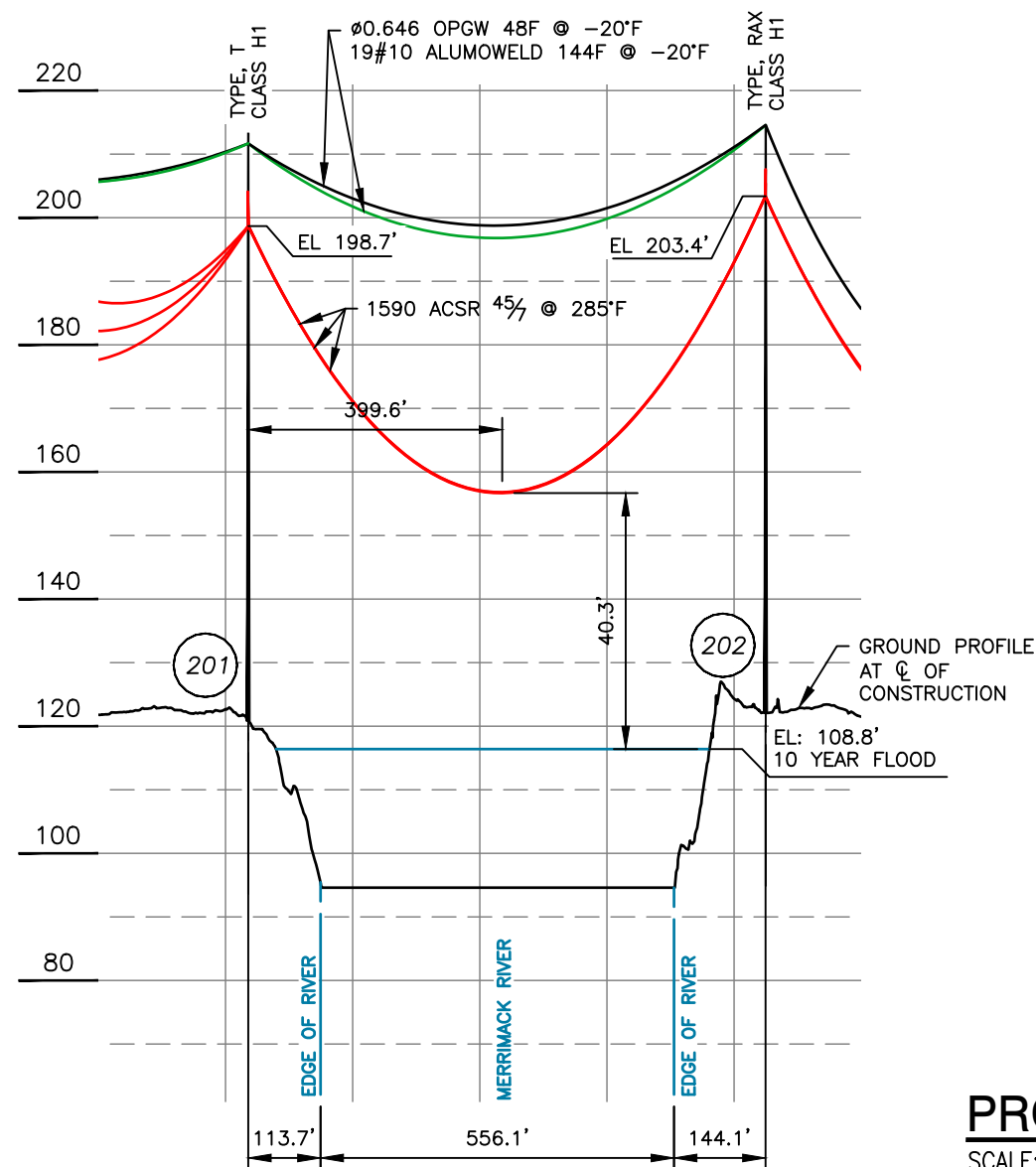
STRUCTURE DETAIL

SCALE: NTS

- LEGEND:**
- STRUCTURE (GUYED) #201
 - PROPERTY BOUNDARY
 - LINE, ϕ OF CONSTRUCTION
 - LIMITS OF EVERSOURCE RIGHT OF WAY
 - WATERBODY

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
201	-71.47892412	42.82998961
202	-71.48195623	42.82990945

NESC VERTICAL CLEARANCE (FT)		FROM
TABLE 232.1, C2-2012		
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES		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 CONDITIONS			
			MAX DESIGN TENSION (lb)	TEMP (°F)	ICE (in)	WIND (psf)
CONDUCTOR	3	ACSR, 1590 kcmil 45/7	10000	0	0.5	4
STATIC	1	19#10 ALUMOWELD	5500	0	0.5	4
OPGW	1	48F ϕ 0.646 OPGW	5750	0	0.5	4

NOTES:

- PARCEL INFORMATION PROVIDED BY NH GRANIT.
- ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- 100 YEAR FLOOD ELEVATION FROM THE FEMA FLOOD MAP SERVICE CENTER, NATIONAL FLOOD HAZARD LAYER FIRMETTE, 9/25/2009.



EVERSOURCE ENERGY	T	1
	DRAWN	CTS
H123, 115kV LINE MERRIMACK RIVER CROSSING MERRIMACK, NEW HAMPSHIRE EXHIBIT 4	ENGINEER	APS
	CHECKED	DSD
SCALE AS SHOWN	APPROVED	APS
	DATE	11/29/2022
FILE: 04033-81001.DWG	DRAWING NO. 04033-81001	

DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	ISSUED TO DOE		11/29/22	CTS	DSD	APS