

LEGEND:

- M108 LINE:
- M108 STR:

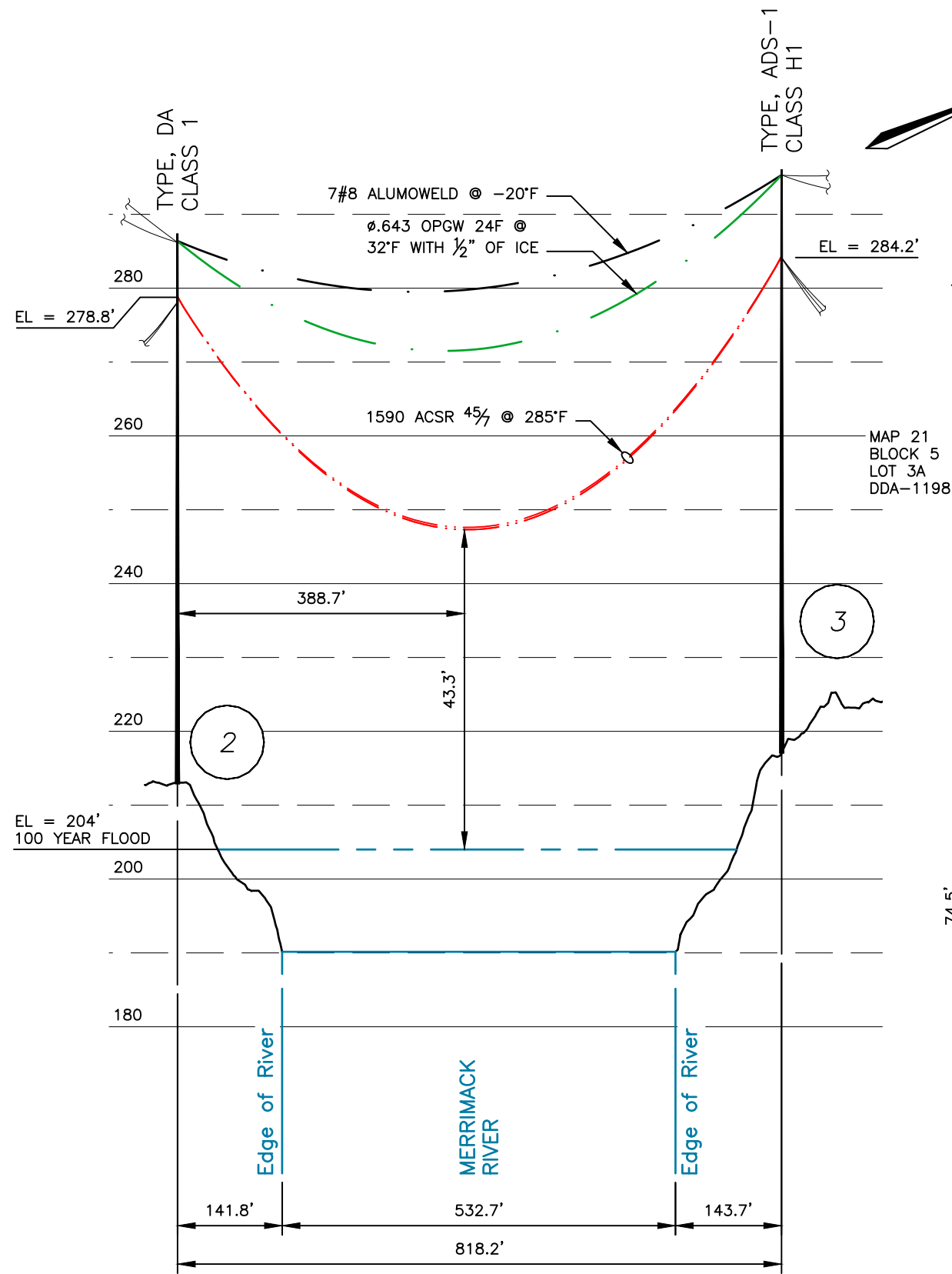
EVERSOURCE ENERGY

M108 115kV LINE
MERRIMACK RIVER AND STATE LAND, LOCATION PLAN
BOW, CONCORD AND PEMBROKE, NEW HAMPSHIRE
EXHIBIT 1

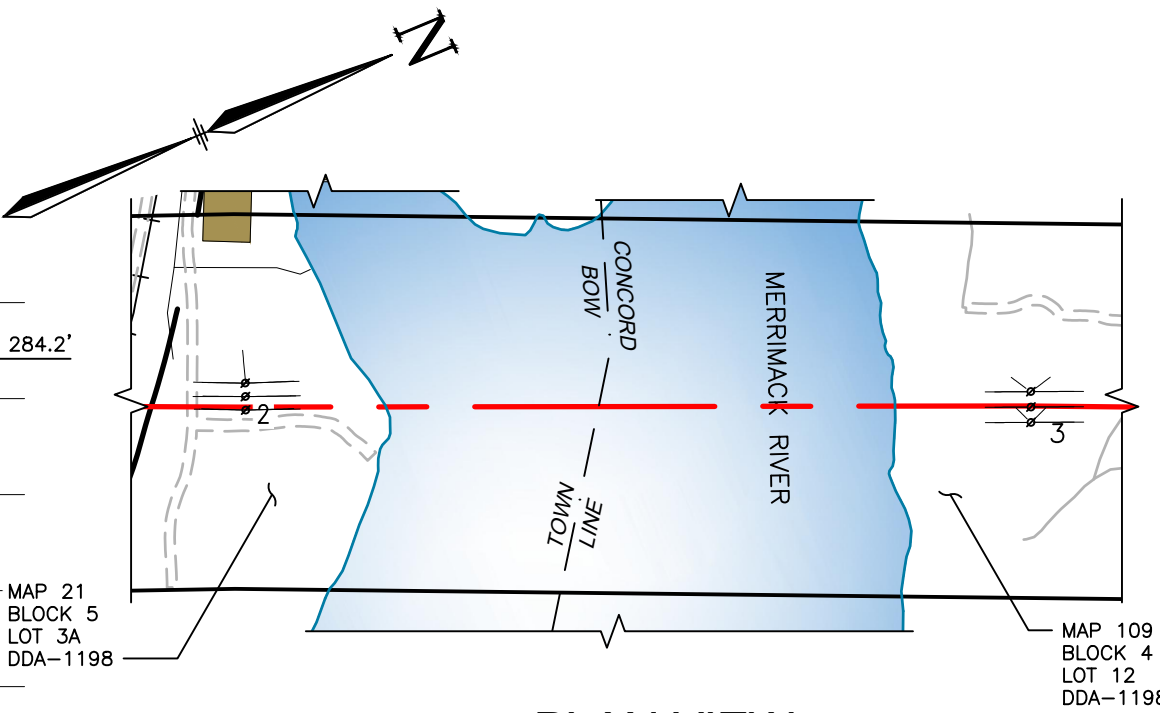
T	1
DRAWN GBS	
ENGINEER CJN	
CHECKED CJN	
APPROVED DSD	
DATE 01/16/22	

DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	ISSUED TO DOE		02/22	GBS	CJN	CJN

SCALE 1" = 1500'	FILE: 04051-81001.DWG IMAGE:	DRAWING NO. 04051-81001
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PROFILE VIEW
SCALE: HORZ 1" = 200'
VERT 1" = 20'



PLAN VIEW
SCALE: 1" = 200'

LEGEND:

- STRUCTURE (WITH GUYS)
- PROPERTY BOUNDARY
- M108 LINE 115KV
- LIMITS OF EVERSOURCE RIGHT OF WAY
- WATERBODY

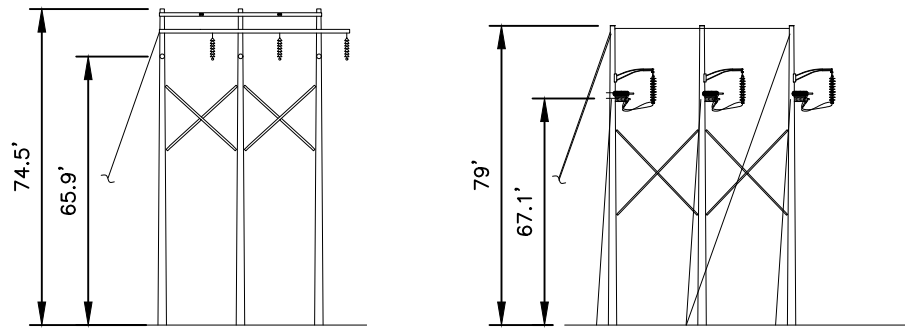
STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
2	-71.50672792	43.16409497
3	-71.50550689	43.16615432

NESC VERTICAL CLEARANCE (FT) FROM TABLE 232.1, C2-2012	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	115kV
WATER AREAS NOT SUITABLE FOR SAIL BOATING OR WHERE SAIL BOATING IS PROHIBITED	18.6

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, LAPWING	11400	0	0.5	4
STATIC	1	7 No. 8 AW	5000	0	0.5	4
OPGW	1	24F Ø0.643	6700	0	0.5	4

NOTES:

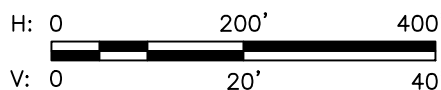
1. PARCEL INFORMATION PROVIDED BY NH GRANIT.
2. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
3. 100 YEAR FLOOD ELEVATION FROM THE FEMA FLOOD MAP SERVICE CENTER, NATIONAL FLOOD HAZARD LAYER FIRMETTE, 01/19/2022.



STRUCTURE 2
TYPE DA
EVERSOURCE TYPE DA, SINGLE CIRCUIT WOOD POLE DEAD END ANGLE, HORIZONTAL CONFIG., GUYED WITH CROSS BRACE

STRUCTURE 3
TYPE ADS-1
EVERSOURCE TYPE ADS-1, SINGLE CIRCUIT STEEL POLE DEAD END ANGLE, VERTICAL CONFIG., GUYED WITH CROSS BRACE

STRUCTURE DETAIL
SCALE: NTS



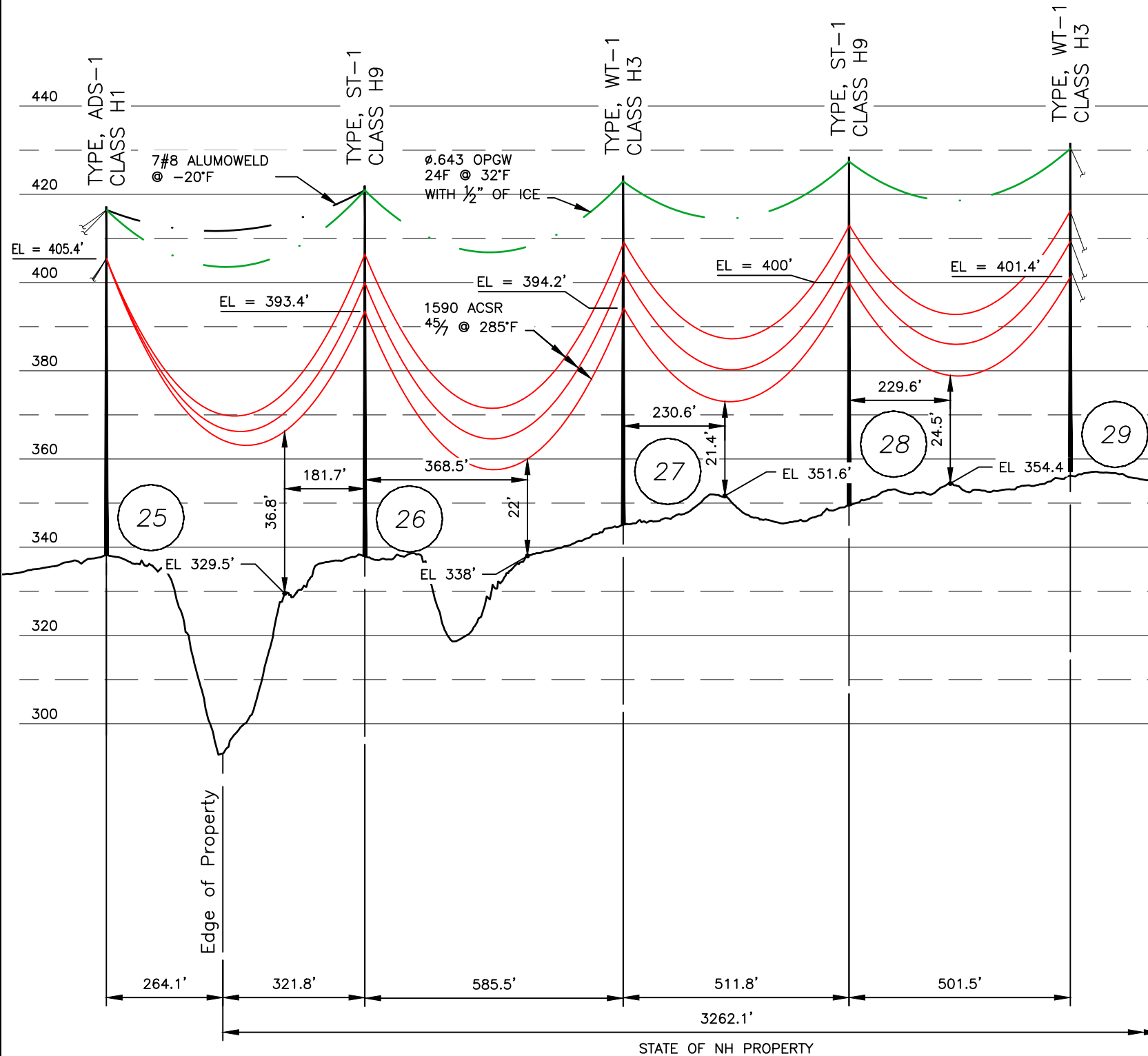
1	ISSUED TO DOE	02/22	GBS	CJN	CJN
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD

EVERSOURCE ENERGY

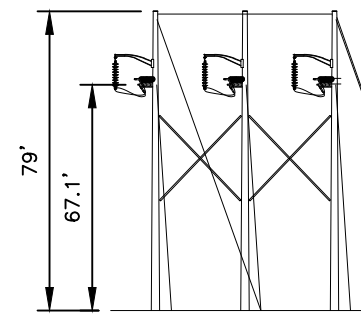
M108, 115kV LINE
MERRIMACK RIVER, PUBLIC WATER CROSSING
BOW AND CONCORD, NEW HAMPSHIRE
EXHIBIT 2

SCALE AS SHOWN	FILE: 04051-81001.DWG IMAGE:	DRAWING NO. 04051-81001
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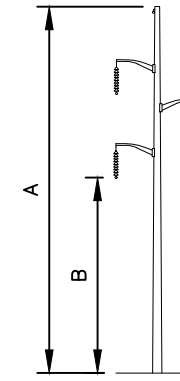
2/9/2022 9:08 AM - sulligx - C:\Users\sulligx\appdata\local\temp\AcPublish_22944\04051-81002.dwg - EXHIBIT 3 (PROFILE AND DETAILS) ES VER: 12/2016



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



STRUCTURE 25
 TYPE ADS-1
 EVERSOURCE TYPE ADS-1, SINGLE CIRCUIT STEEL POLE DEAD END ANGLE, VERTICAL CONFIG., GUYED WITH CROSS BRACE



STRUCTURE
 TYPE WT-1, ST-1
 STR 27, 29
 EVERSOURCE TYPE WT-1, SINGLE CIRCUIT WOOD POLE TANGENT, DELTA CONFIG.
 STR 26, 28
 EVERSOURCE TYPE ST-1, SINGLE CIRCUIT STEEL POLE TANGENT, DELTA CONFIG.

DIMENSION TABLE		
STRUCTURE	A (ft)	B (ft)
26	84.0	55.5
27	79	49
28	79	51
29	74.5	44.3

STRUCTURE DETAILS
 SCALE: NTS

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

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, LAPWING	5700	0	0.5	4
STATIC	1	7 No. 8 AW	5000	0	0.5	4
OPGW	1	24F Ø0.643	5000	0	0.5	4

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

DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
2	UPDATED COND MAX DESIGN TENSION, WAS 11400		03/22	GBS	CJN	CJN
1	ISSUED TO DOE		02/22	GBS	CJN	CJN

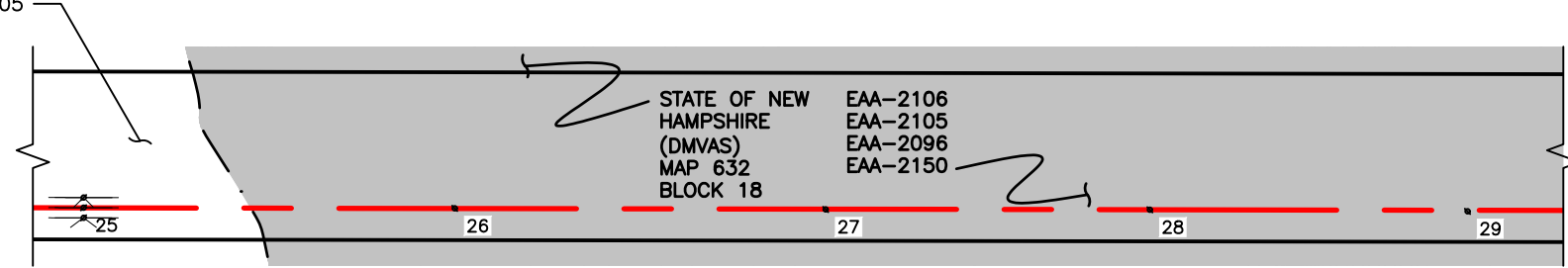
EVERSOURCE ENERGY

M108, 115kV LINE
 STATE OWNED LAND, CROSSING
 PEMBROKE, NEW HAMPSHIRE
 EXHIBIT 3

SCALE AS SHOWN	FILE: 04051-81002.DWG IMAGE:	DRAWING NO. 04051-81002
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DRAWN GBS	T 2
ENGINEER CJN	
CHECKED CJN	
APPROVED DSD	
DATE 01/16/22	


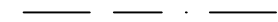



MAP 632
BLOCK 11
EAA-2005



PLAN VIEW

SCALE: 1" = 300'

LEGEND:

-  STRUCTURE (WITH GUYS)
-  PROPERTY BOUNDARY
-  M108 LINE 115KV LINE, C OF CONSTRUCTION
-  LIMITS OF EVERSOURCE RIGHT OF WAY
-  STATE OF NEW HAMPSHIRE PROPERTY


STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
25	-71.48751321	43.18954426
26	-71.48734098	43.19114675
27	-71.48716697	43.19274811
28	-71.48701838	43.19414796
29	-71.48686570	43.19551936

NOTES:

1. PARCEL INFORMATION PROVIDED BY NH GRANIT.
2. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.



DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	ISSUED TO DOE		02/22	GBS	CJN	CJN

 M108, 115kV LINE STATE OWNED LAND, CROSSING PEMBROKE, NEW HAMPSHIRE EXHIBIT 4	T	1
	DRAWN	GBS
	ENGINEER	CJN
	CHECKED	CJN
	APPROVED	DSD
DATE		01/16/22
SCALE	DRAWING NO.	
AS SHOWN	FILE: 04051-81002.DWG	IMAGE: 04051-81002