

LEGEND:

- F162 LINE:
- F162 STR:



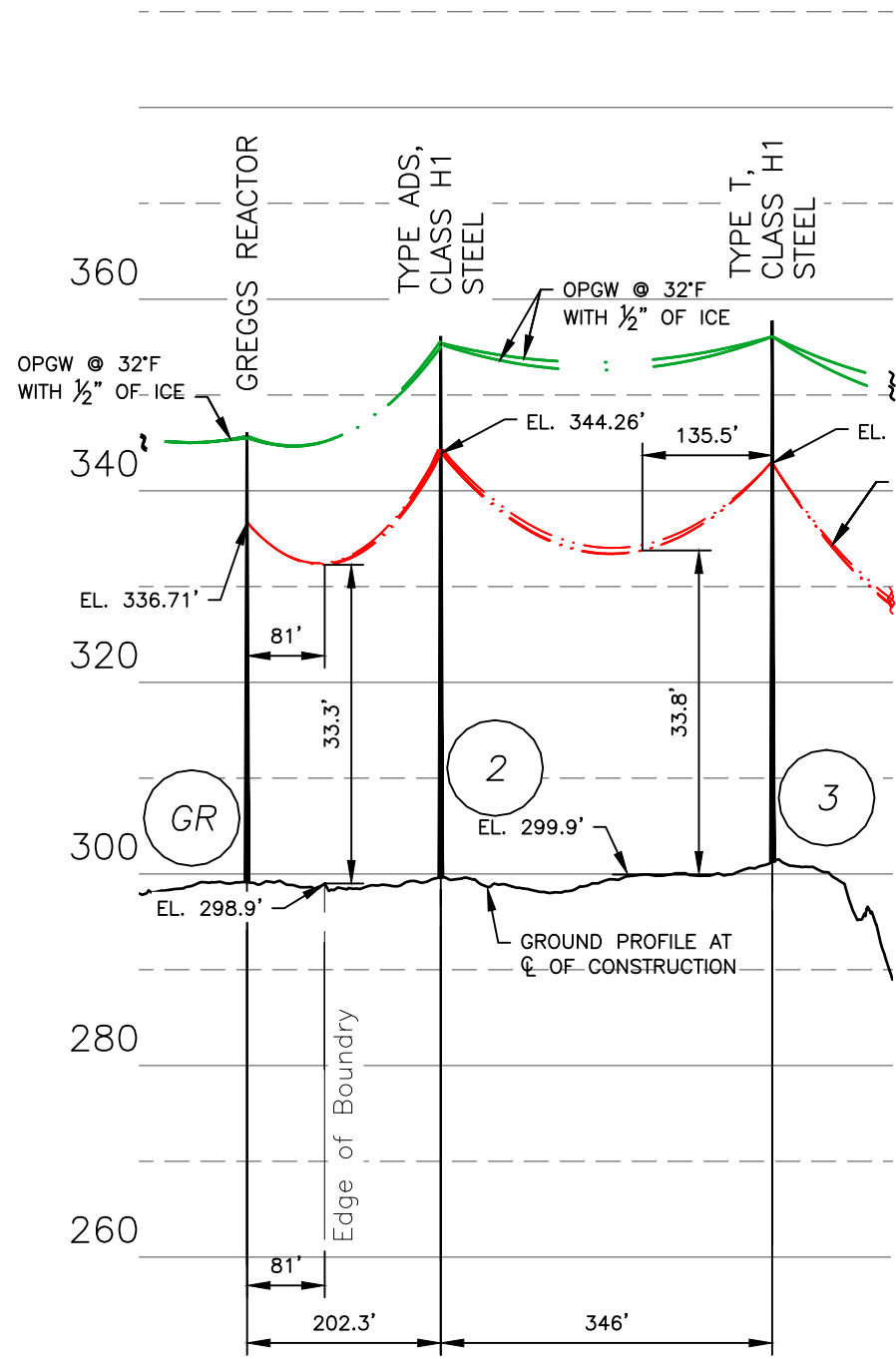
F162, 115kV LINE
 STATE OWNED LAND & PUBLIC WATER CROSSING
 GOFFSTOWN, NEW HAMPSHIRE
 EXHIBIT 1

T	1
DRAWN NEB	
ENGINEER CRP	
CHECKED JJD	
APPROVED CRP	
DATE 5/25/23	

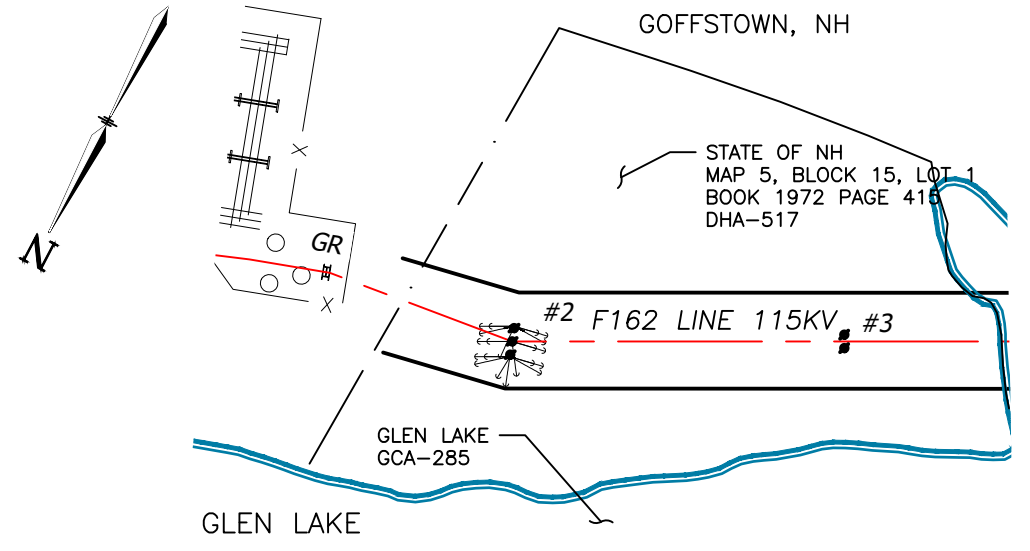
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	ISSUED FOR DOE		7/13/23	NEB	JJD	CRP

SCALE 1" = 5000'	FILE: 04028-81002.DWG IMAGE:	DRAWING NO. 04028-81002
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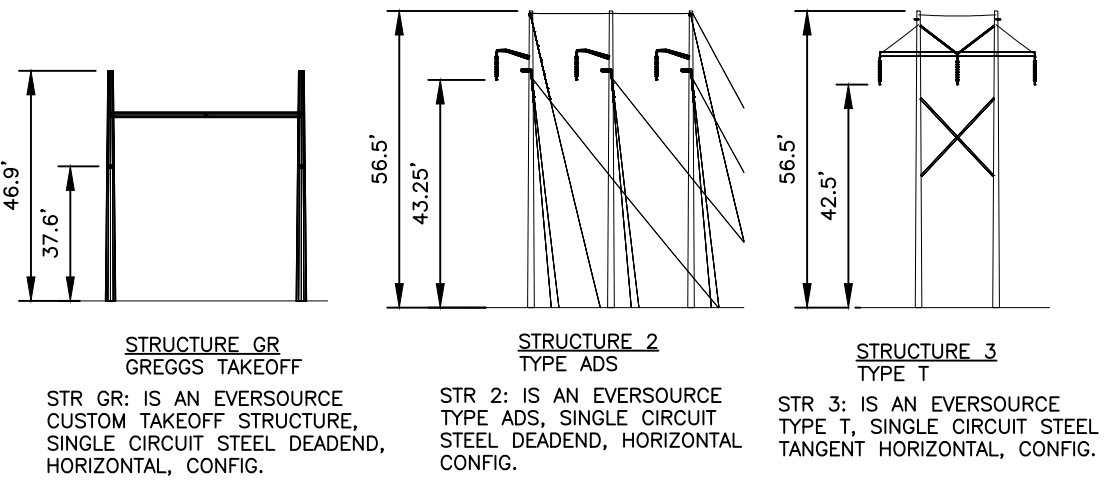
10/30/2023 1:16 PM - spensct - N:\Adept WORK AREA\NH WORK AREA\SPENSCT\115KV MILESHEET WORK\...04028-81002.dwg - EXHIBIT 2 (STATESLAND CROSSING)



PROFILE VIEW
SCALE: HORZ 1" = 200'
VERT 1" = 20'



PLAN VIEW
SCALE: 1" = 200'



STRUCTURE DETAIL
SCALE: NTS

LEGEND:

	#2	STRUCTURE (GUYED)
	F162 LINE 115KV	LINE, C OF CONSTRUCTION
		LIMITS OF EVERSOURCE RIGHT OF WAY
		PROPERTY LINE
		WATERBODY

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
GR	-71.57158965	43.01551565
2	-71.57234200	43.01544662
3	-71.57348691	43.01500457

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	11400	0	0.5	4
OPGW	1	48F #0.646" AFL DNO-11852	1500	0	0.5	4
OPGW	1	SFPOC 84 FIBER	1500	0	0.5	4

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

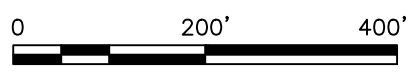
1	ISSUED FOR DOE	7/13/23	NEB	JJD	CRP
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD

EVERSOURCE ENERGY

F162, 115kV LINE
STATE LAND CROSSING
GOFFSTOWN, NEW HAMPSHIRE
EXHIBIT 2

SCALE AS SHOWN	FILE: 04028-81002.DWG IMAGE:	DRAWING NO. 04028-81002
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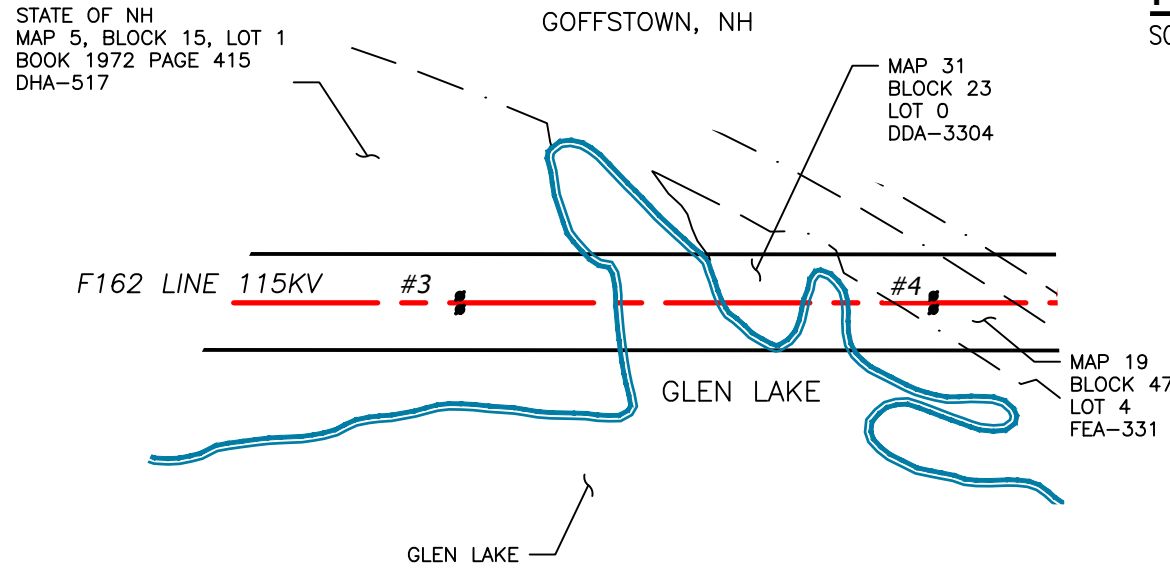
T	1
DRAWN NEB	
ENGINEER CRP	
CHECKED JJD	
APPROVED CRP	
DATE 5/25/23	



10/30/2023 1:15 PM - spensct - N:\Adept WORK AREA\NH WORK AREA\SPENSCT\115KV MILESHEET WORK...04028-82002.dwg - EXHIBIT 3 (WATERS CROSSING) 2016

PLAN VIEW

SCALE: 1" = 200'

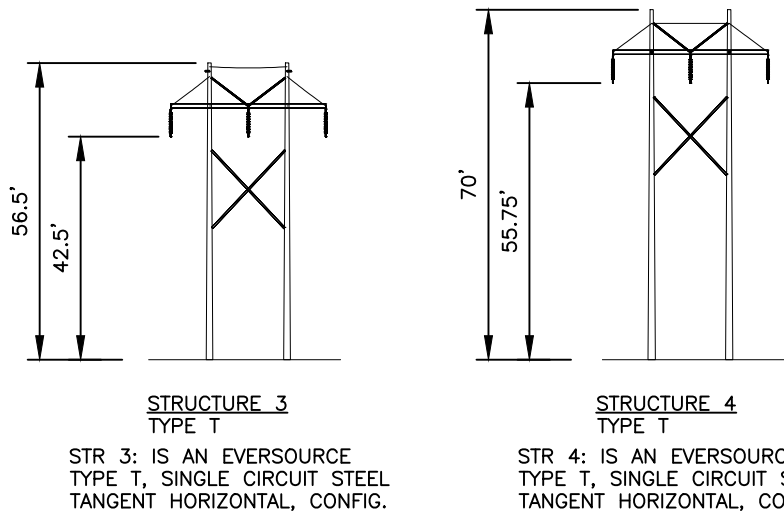


LEGEND:

- #3 STRUCTURE
- F162 LINE 115KV LINE, ϕ OF CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY
- PROPERTY LINE
- WATERBODY

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
3	-71.57348691	43.01500457
4	-71.57511820	43.01437470

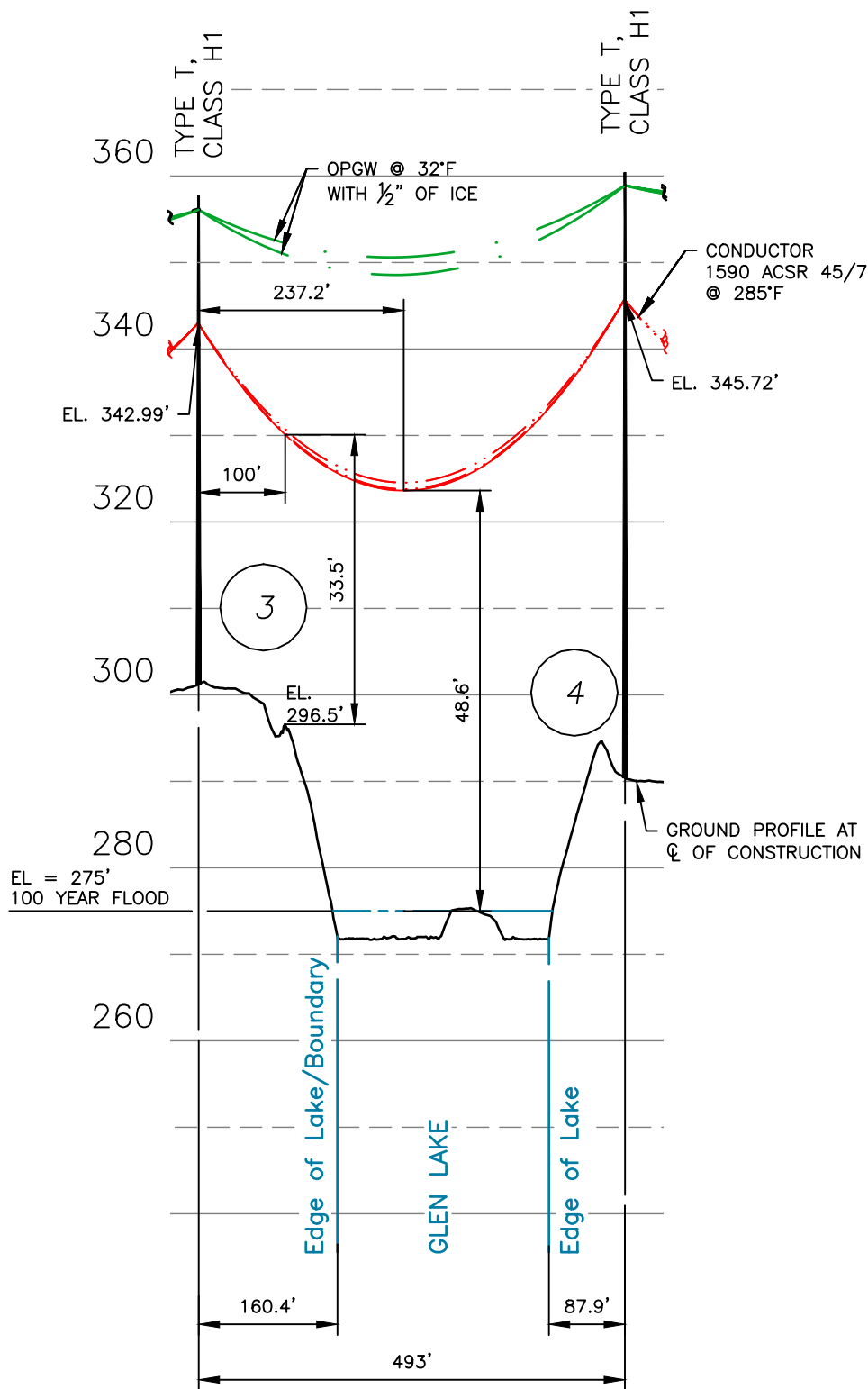
NESC VERTICAL CLEARANCE (FT) FROM TABLE 232.1, C2-2012	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	115kV
WATER AREAS SUITABLE FOR SAIL BOATING INCLUDING LAKES, PONDS, RESERVOIRS, TIDAL WATERS, RIVERS, STREAMS, AND CANALS WITH AN UNUPSTRUCTED SURFACE AREA OF OVER 20 TO 200 ACRES	30.1
OTHER AREAS TRAVERSED BY VEHICLES, SUCH AS CULTIVATED, GRAZING, FOREST, AND ORCHARD LANDS, INDUSTRIAL SITES, COMMERCIAL SITES, ETC	20.1



STRUCTURE DETAIL

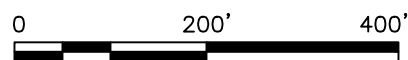
SCALE: NTS

CABLE SCHEDULE						
WIRE	QTY OF CABLES	DESCRIPTION	DESIGN CONDITIONS			
			MAX DESIGN TENSION (lb)	TEMP (°F)	ICE (in)	WIND (psf)
CONDUCTOR	3	ACSR, 1590 kcmil 45/7, LAPWING	11400	0	0.5	4
OPGW	1	48F ϕ 0.646" AFL DNO-11852	1500	0	0.5	4
OPGW	1	SFPOC 84 FIBER	1500	0	0.5	4



PROFILE VIEW

SCALE: HORZ 1" = 200'
VERT 1" = 20'



NOTES:

- PARCEL INFORMATION PROVIDED BY NH GRANIT.
- ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- THE 100 YEAR FLOOD ELEVATION FROM FEMA FLOOD MAP SERVICE CENTER, NATIONAL FLOOD HAZARD LAYER FIRMETTE, 33011C0214D, EFFECTIVE 9/25/2009.

DWG REV	ISSUED FOR	DATE	DRN	CHKD	APPR
1	ISSUED FOR DOE	7/13/23	NEB	JJD	CRP

EVERSOURCE ENERGY

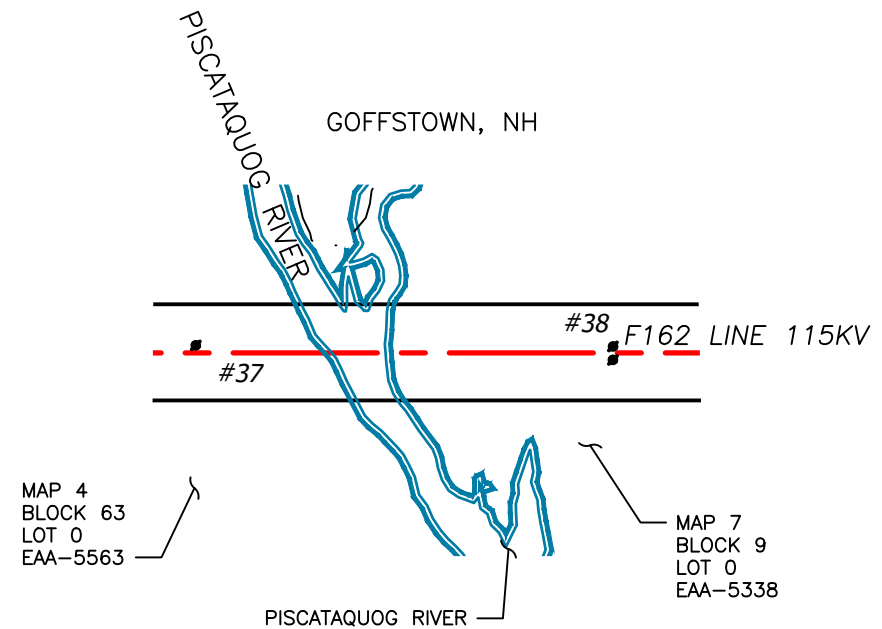
F162, 115kV LINE
GLEN LAKE AND STATE LAND CROSSING
GOFFSTOWN, NEW HAMPSHIRE
EXHIBIT 3

SCALE AS SHOWN	DRAWING NO. 04028-82002
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10/30/2023 1:15 PM - spensct - N:\Adept WORK AREA\NH WORK AREA\SPENSCT\115KV MILESHEET WORK\...04028-82002.dwg - EXHIBIT 4 (WATERS CROSSING) 2016

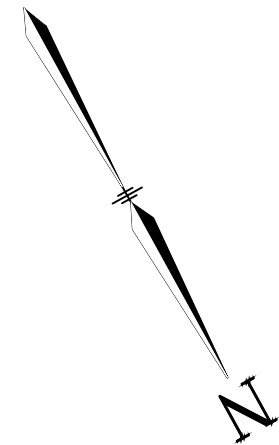
PLAN VIEW

SCALE: 1" = 200'



LEGEND:

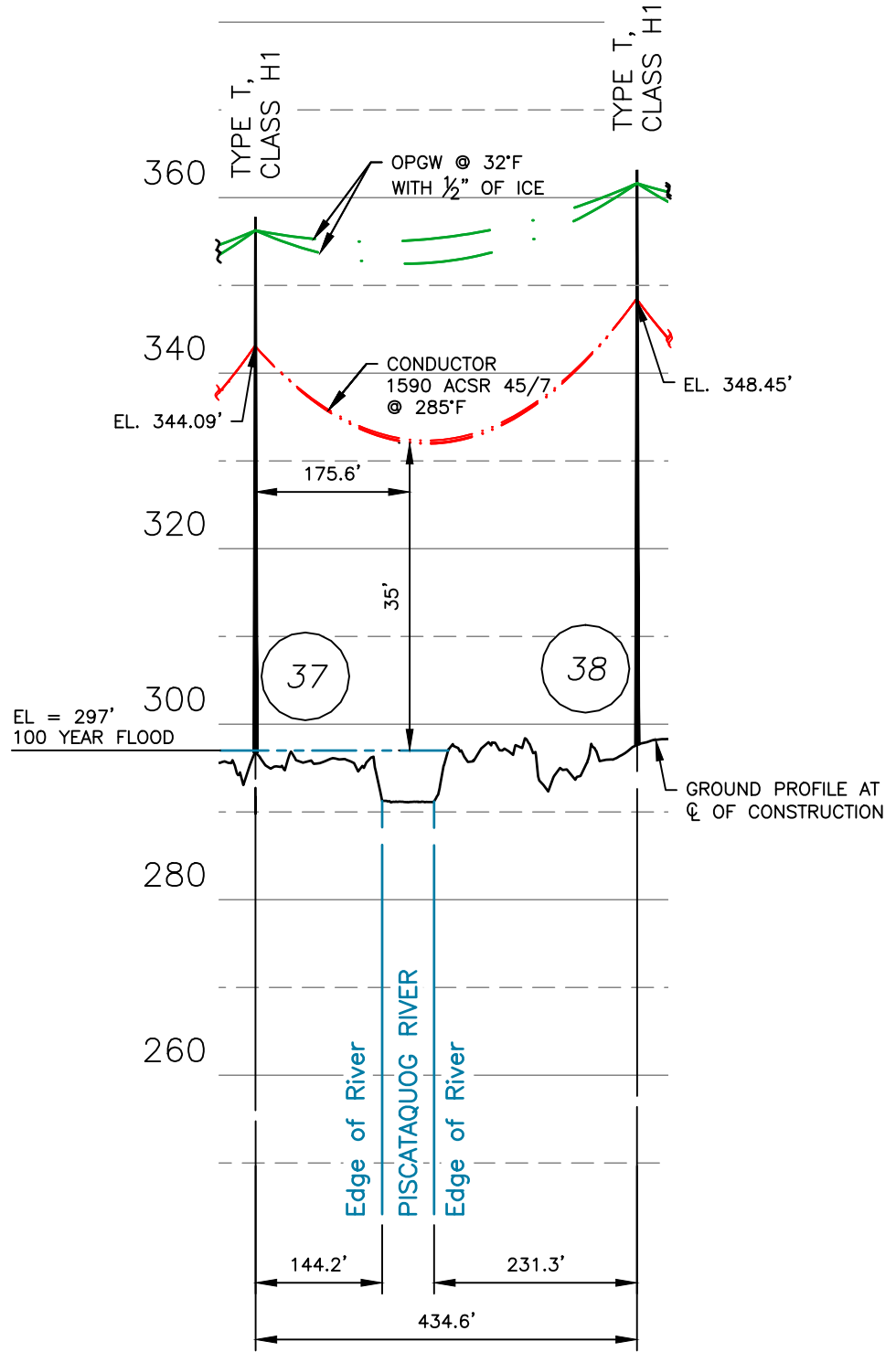
- #37 STRUCTURE
- F162 LINE 115KV LINE, ☐ OF CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY
- PROPERTY LINE
- WATERBODY



STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
37	-71.62470317	43.02134674
38	-71.62612659	43.02192231

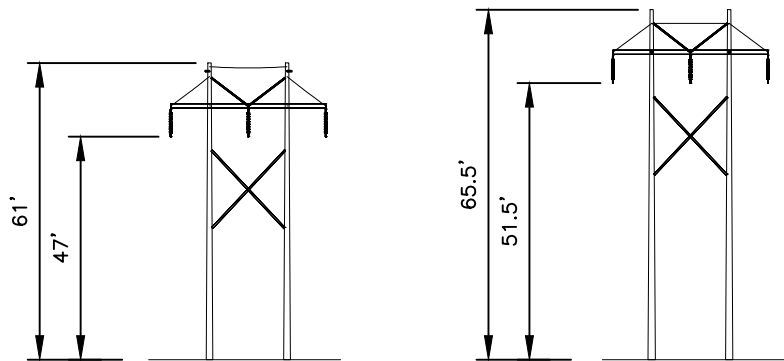
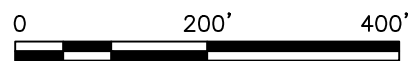
NESC VERTICAL CLEARANCE (FT) FROM TABLE 232.1, C2-2012	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	115kV
WATER AREAS NOT SUITABLE FOR SAIL BOATING OR WHERE SAIL BOATING IS PROHIBITED	18.6

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
OPGW	1	48F Ø0.646" AFL DNO-11852	1500	0	0.5	4
OPGW	1	SFPOC 84 FIBER	1500	0	0.5	4



PROFILE VIEW

SCALE: HORZ 1" = 200'
VERT 1" = 20'



STRUCTURE DETAIL

SCALE: NTS

STRUCTURE 37
TYPE T
STR 37: IS AN EVERSOURCE TYPE T, SINGLE CIRCUIT STEEL TANGENT HORIZONTAL, CONFIG.

STRUCTURE 38
TYPE T
STR 38: IS AN EVERSOURCE TYPE T, SINGLE CIRCUIT STEEL TANGENT HORIZONTAL, CONFIG.

NOTES:

- PARCEL INFORMATION PROVIDED BY NH GRANIT.
- ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- THE 100 YEAR FLOOD ELEVATION FROM FEMA FLOOD MAP SERVICE CENTER, NATIONAL FLOOD HAZARD LAYER FIRMETTE, 33011C0194D, EFFECTIVE 9/25/2009.

DWG REV	ISSUED FOR DOE	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1				7/13/23	NEB	JJD	CRP

EVERSOURCE ENERGY

**F162, 115kV LINE
PISCATAQUOG RIVER WATER CROSSING
GOFFSTOWN, NEW HAMPSHIRE
EXHIBIT 4**

SCALE AS SHOWN	FILE: 04028-82002.DWG IMAGE:	DRAWING NO. 04028-82002
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T	1
DRAWN NEB	ENGINEER CRP
CHECKED JJD	APPROVED CRP
DATE 5/15/23	

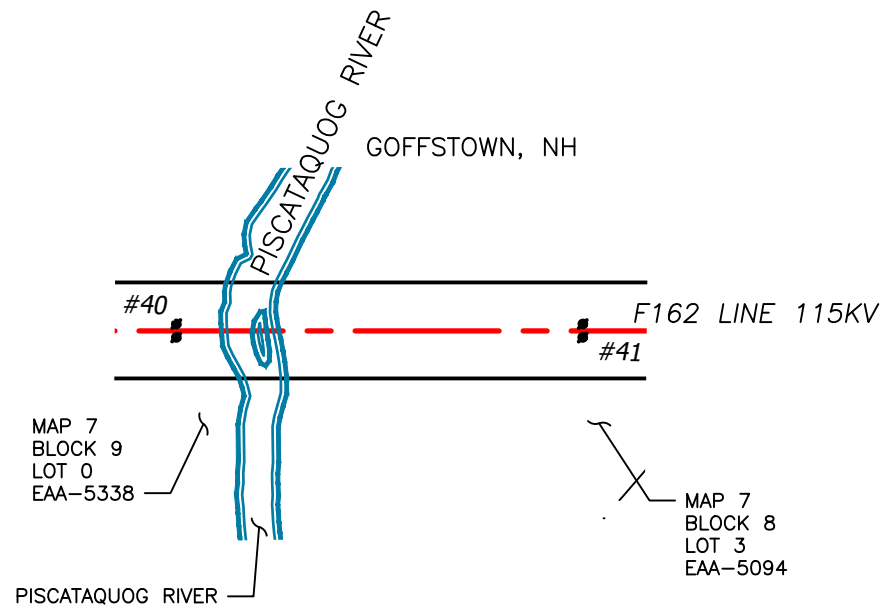
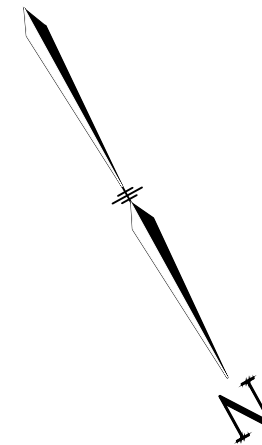
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PLAN VIEW

SCALE: 1" = 200'

LEGEND:

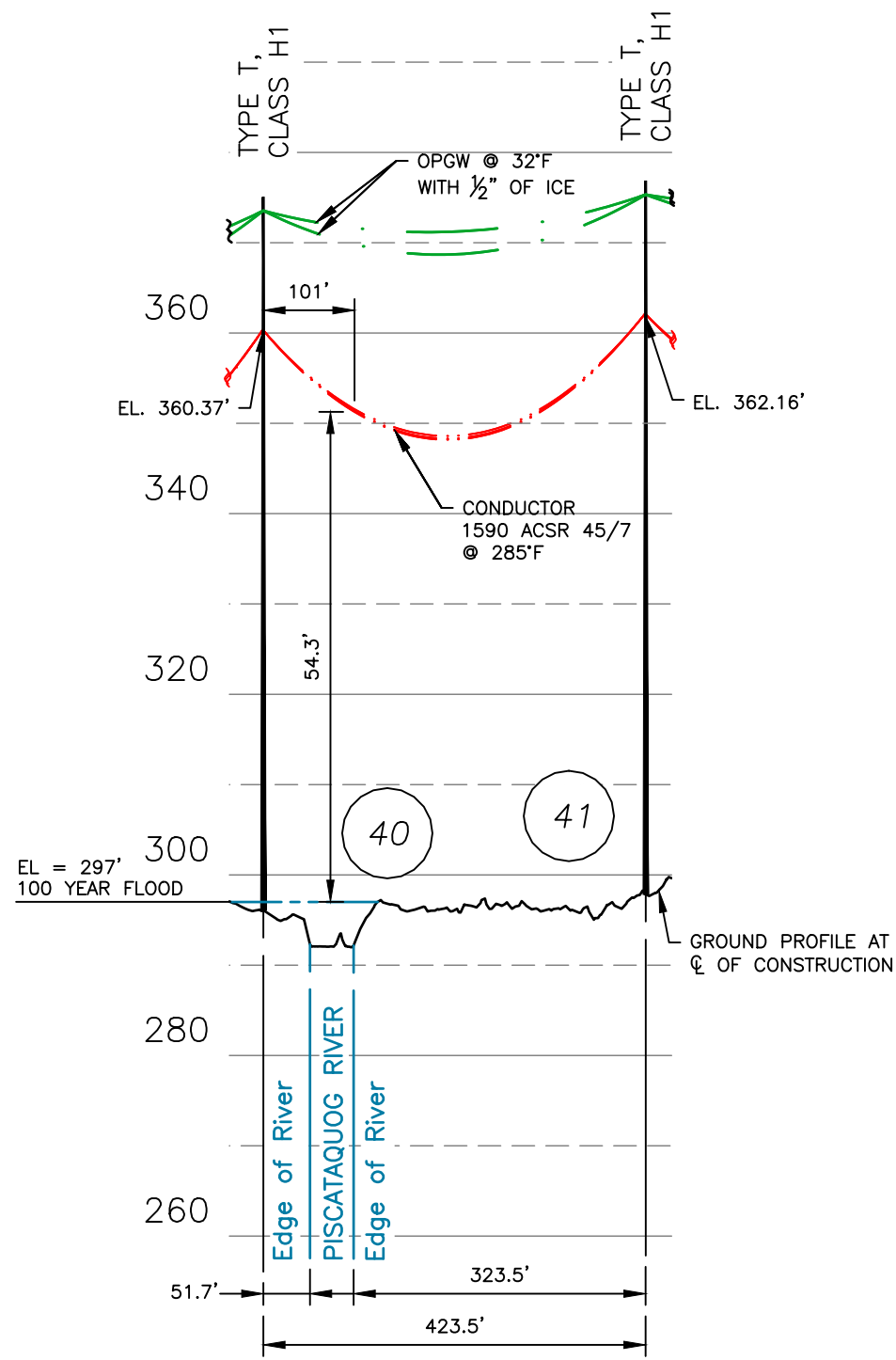
- #40 STRUCTURE
- F162 LINE 115KV LINE, ☐ OF CONSTRUCTION
- LIMITS OF EVERSOURCE RIGHT OF WAY
- PROPERTY LINE
- WATERBODY



STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
40	-71.62937920	43.02323741
41	-71.63076627	43.02379819

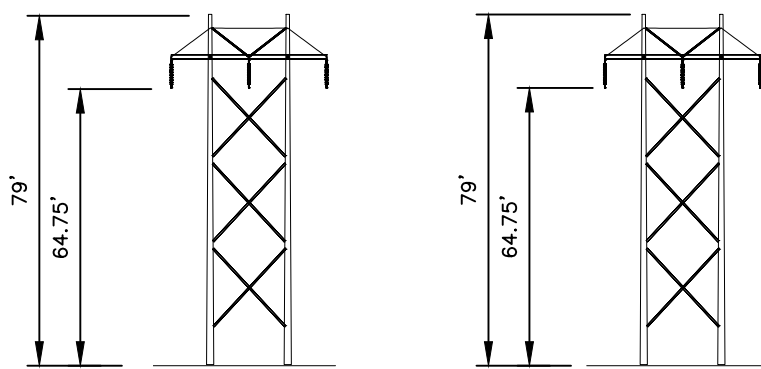
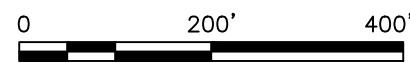
NESC VERTICAL CLEARANCE (FT) FROM TABLE 232.1, C2-2012	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	115kv
WATER AREAS NOT SUITABLE FOR SAIL BOATING OR WHERE SAIL BOATING IS PROHIBITED	18.6

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
OPGW	1	48F Ø0.646" AFL DNO-11852	1500	0	0.5	4
OPGW	1	SFPOC 84 FIBER	1500	0	0.5	4



PROFILE VIEW

SCALE: HORZ 1" = 200'
VERT 1" = 20'



STRUCTURE DETAIL

SCALE: NTS

STRUCTURE 40
TYPE T
STR 40: IS AN EVERSOURCE TYPE T, SINGLE CIRCUIT STEEL TANGENT HORIZONTAL, CONFIG.

STRUCTURE 41
TYPE T
STR 41: IS AN EVERSOURCE TYPE T, SINGLE CIRCUIT STEEL TANGENT HORIZONTAL, CONFIG.

NOTES:

- PARCEL INFORMATION PROVIDED BY NH GRANIT.
- ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- THE 100 YEAR FLOOD ELEVATION FROM FEMA FLOOD MAP SERVICE CENTER, NATIONAL FLOOD HAZARD LAYER FIRMETTE, 33011C0194D, EFFECTIVE 9/25/2009.

1	ISSUED FOR DOE	7/13/23	NEB	JJD	CRP
DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD

EVERSOURCE ENERGY

**F162, 115kV LINE
PISCATAQUOG RIVER WATER CROSSING
GOFFSTOWN, NEW HAMPSHIRE
EXHIBIT 5**

DRAWN NEB	T 1
ENGINEER CRP	CHECKED JJD
APPROVED CRP	DATE 5/15/23

DRAWING NO.
04028-82002

SCALE AS SHOWN	FILE: 04028-82002.DWG IMAGE:	DRAWING NO. 04028-82002
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