









Legend


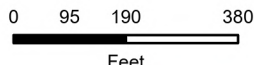
-  Restricting Structures
-  Direction Of Flow
-  Parcel Boundaries
-  VT_TownBoundaries
-  Section 10 Waterways
-  GMP Poles
-  VEC Poles
-  Proposed Fiber Optic Routes



Plan View

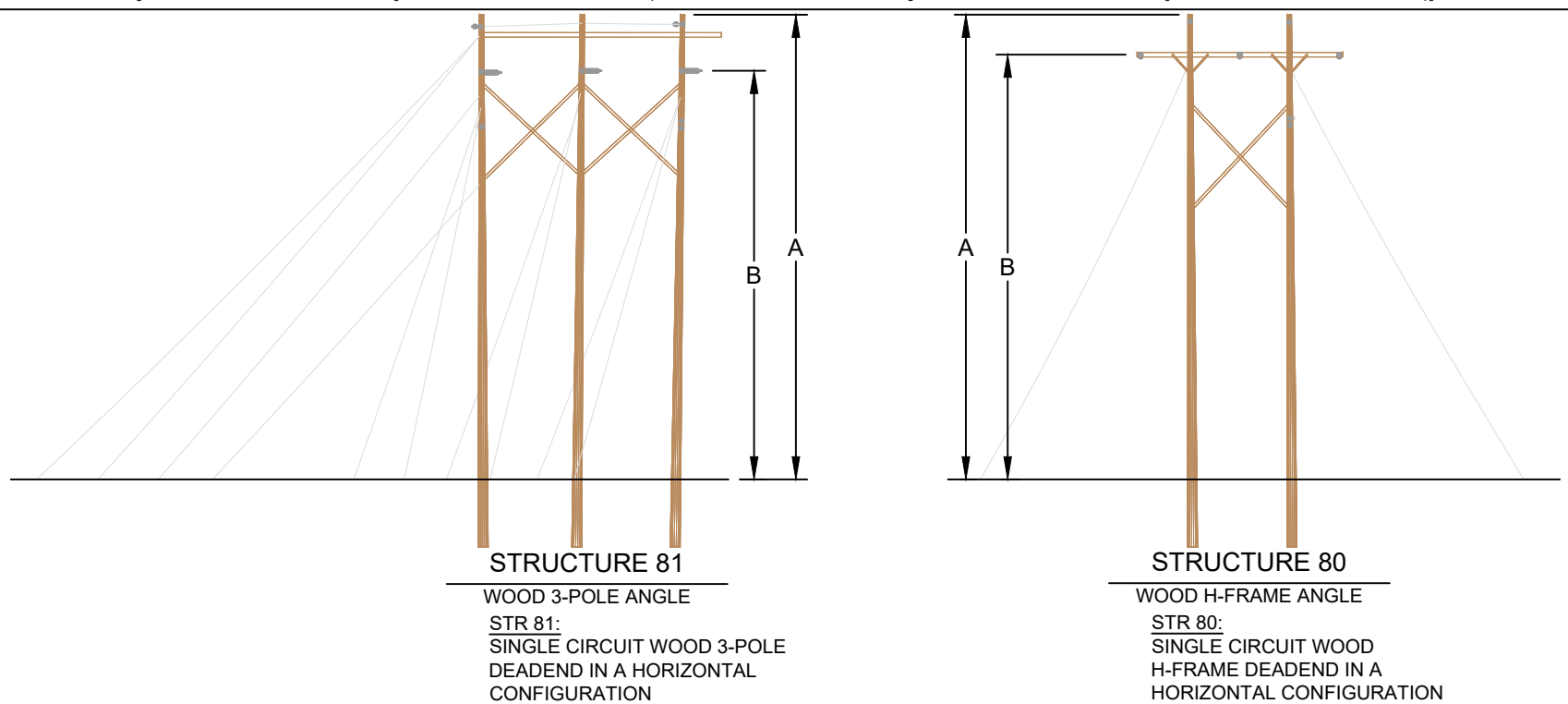
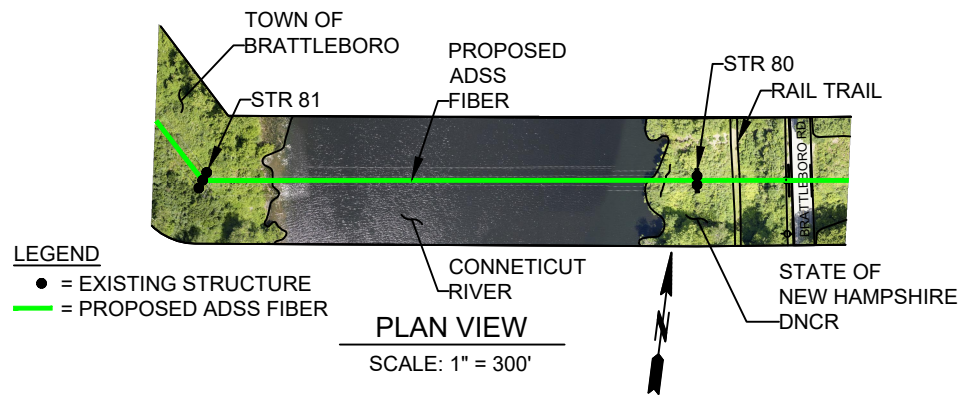
PUBLIC WATER CROSSING LOCATION PLAN EXHIBIT 1

PR-VELCO-C-008 (HINSDALE)

Date: 12/05/24



STRUCTURE DETAILS				
STRUCTURE	TYPE	MATERIAL	A (ft)	B (ft)
80	H-FRAME ANGLE	WOOD	65	60
81	3-POLE ANGLE	WOOD	65	57

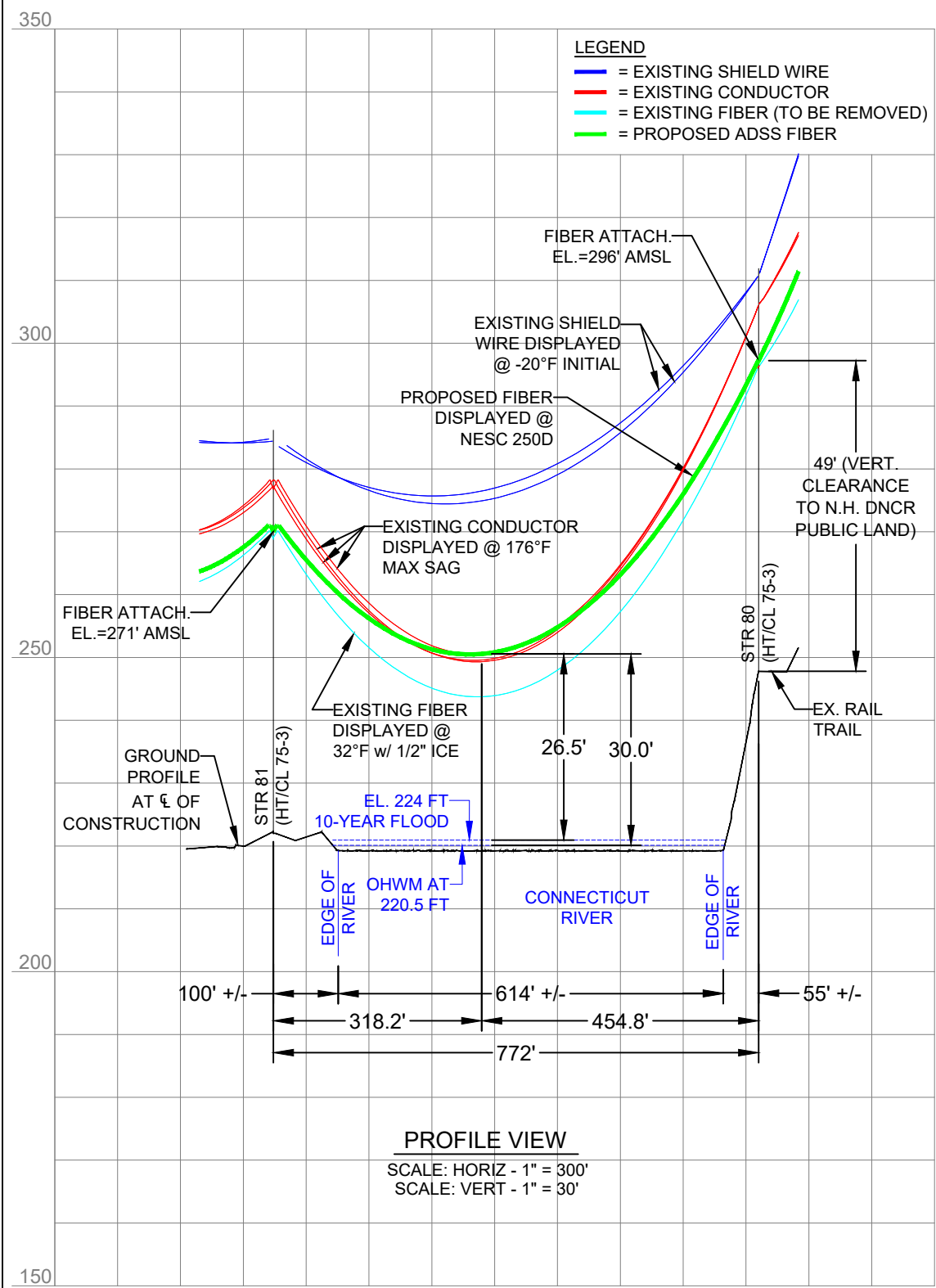
STRUCTURE LOCATION		
STRUCTURE	LATITUDE	LONGITUDE
80	42.83363867° N	72.54464325° W
81	42.83352258° N	72.54751801° W

CABLE SCHEDULE								
WIRE	QTY OF CABLES	DESCRIPTION	DESIGN CONDITIONS					
			MAX DESIGN TENSION (lb) (INITIAL)	WEATHER CASE	TEMP (°F)	ICE (in)	WIND (mph)	WIND (psf)
ADSS	1	AFL DNA_32763 (144-FIBER)	2891	NESC 250B	0	0.5	40	4
			2082	NESC 250C	60	0	90	20.7
			3396	NESC 250D*	15	0.75	40	4
			2065	32° w/ 1/2" ICE	32	0.5	0	0

* - NESC RULE 250D IS THE CONTROLLING WEATHER CASE WITH REGARDS TO TENSIONING OF THE PROPOSED FIBER AND VERTICAL CLEARANCE OF THE PROPOSED FIBER ABOVE THE CONNECTICUT RIVER.

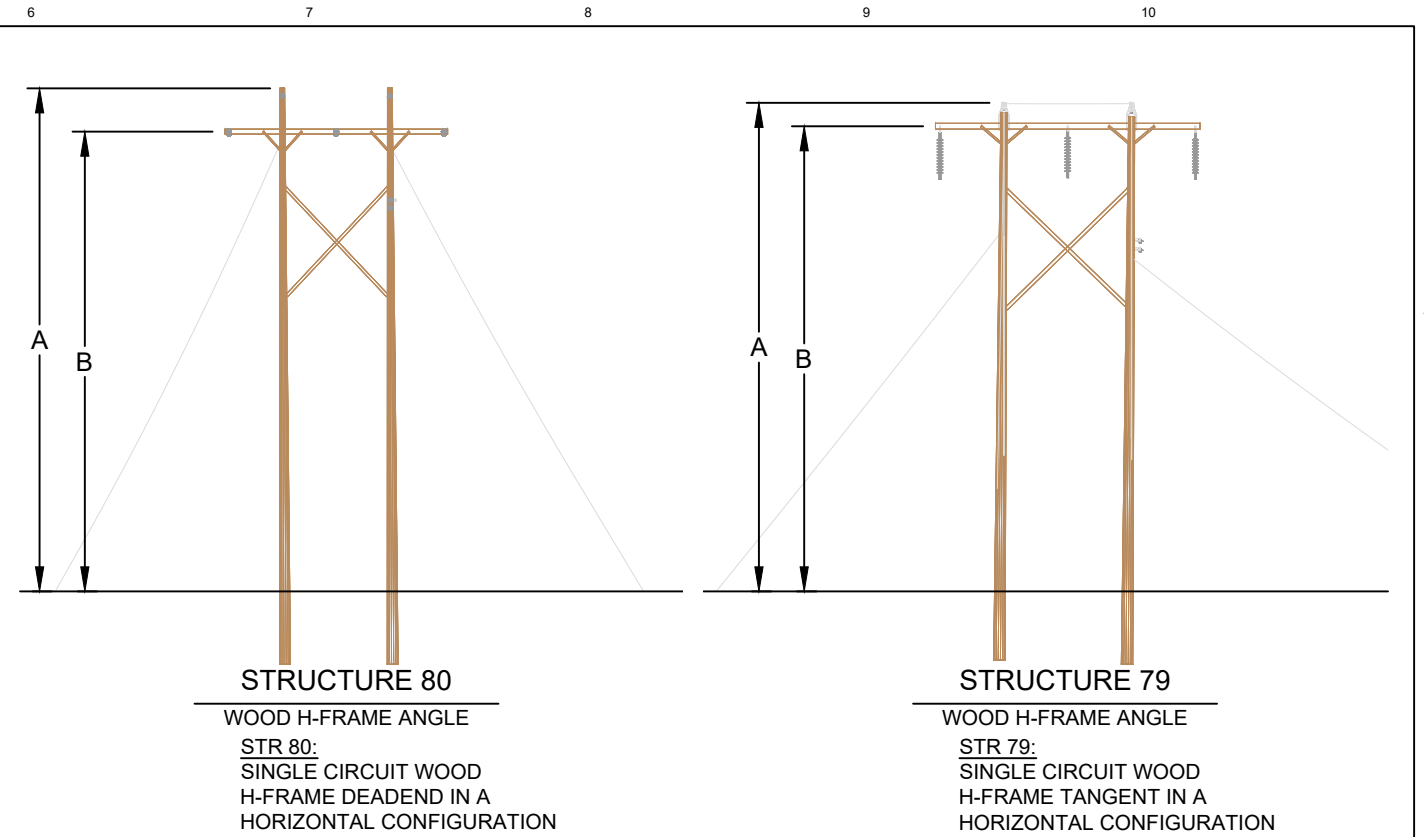
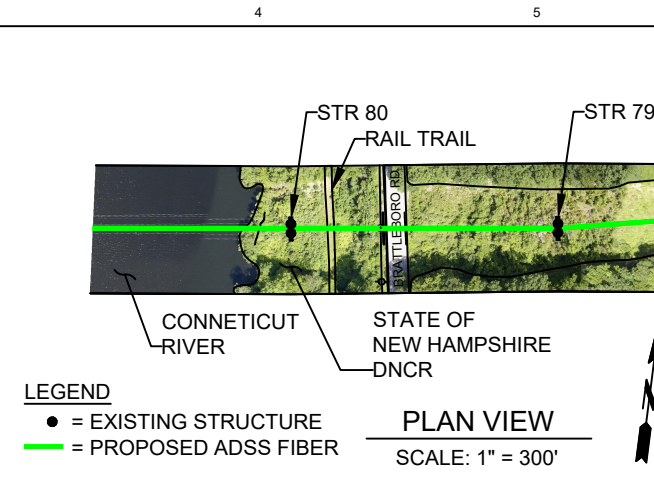
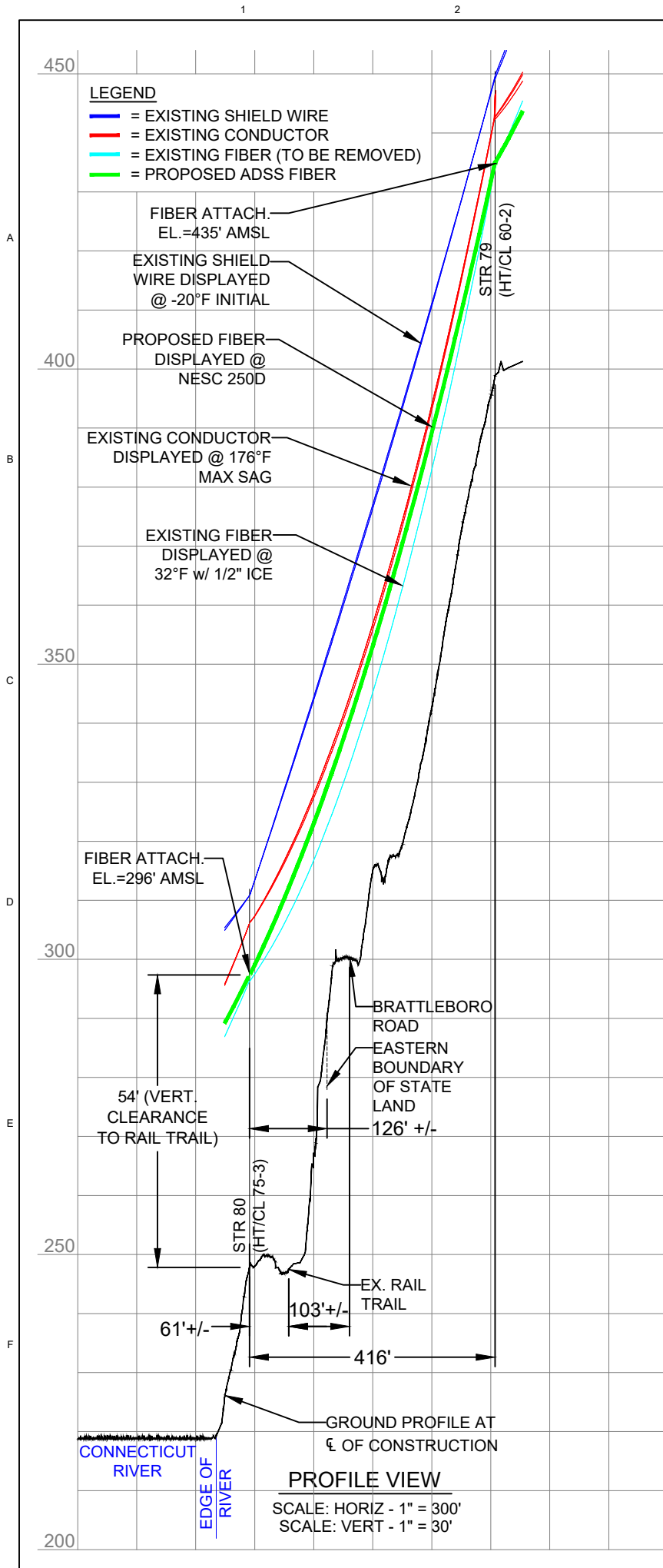
NESC VERTICAL CLEARANCE (FT) FROM TABLE 232-1, 2023	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	ADSS FIBER
WATER AREAS SUITABLE FOR SAILBOATING, INCLUDING LAKES, PONDS, RESERVOIRS, TIDAL WATERS, RIVERS, STREAMS, AND CANALS WITH AN UNOBSTRUCTED SURFACE AREA OF 20 TO 200 ACRES	25.5 FT
OTHER LAND TRAVERSED BY VEHICLES, SUCH AS CULTIVATED, GRAZING, FOREST, ORCHARDS, INDUSTRIAL SITES, COMMERCIAL SITES, ETC.	15.5 FT

- NOTES:**
- ELEVATIONS REFERENCED TO THE VERTICAL DATUM OF STATE PLANE NAD83, NEW HAMPSHIRE, U.S. SURVEY FOOT.
 - ALL ELEVATION DATA, THE ORDINARY HIGH WATER MARK (OHWM), AND CLEARANCE VALUES SHOWN WERE DEVELOPED BASED ON SURVEY DATA THAT WAS ISSUED DECEMBER 22ND, 2023 BY SURVEY AND MAPPING (SAM) LLC.
 - THE 10-YEAR FLOOD ELEVATION VALUE WAS OBTAINED FROM THE FEMA FLOOD MAP INSURANCE STUDY NUMBER 33005CV001A, PAGE 112, DATED MAY 23, 2006.



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

				VELCO		VERMONT ELECTRIC POWER CO, INC. RUTLAND, VERMONT HINSDALE TO VERNON ST.	
REV	DATE	DR	CK	DESCRIPTION			
1	12/06/2024	GJP	IJO	ISSUED FOR NEW HAMPSHIRE DOE APPROVAL			
0	11/14/2024	GJP	IJO	ISSUED FOR NEW HAMPSHIRE DOE APPROVAL			
				PR-VELCO-C-008 (HINSDALE) CONNECTICUT RIVER CROSSING			
SCALE: 1"=30' VERT 1"=300' HORIZ		DRAWN BY: GJP		APPROVED BY: IJO		12/06/24	
DATE: 12/06/2024		CHECKED BY: IJO		DATE: 12/06/24		DATE: 12/06/24	
				DRAWING NUMBER: EXH-1_SHEET 2			
				PLOT: A, 1=30			
						1	
						REV	



STRUCTURE DETAILS				
STRUCTURE	TYPE	MATERIAL	A (ft)	B (ft)
79	H-FRAME TANGENT	WOOD	52	51
80	H-FRAME ANGLE	WOOD	65	60

STRUCTURE LOCATION		
STRUCTURE	LATITUDE	LONGITUDE
79	42.83370066° N	72.54309378° W
80	42.83363867° N	72.54464325° W

CABLE SCHEDULE								
WIRE	QTY OF CABLES	DESCRIPTION	MAX DESIGN TENSION (lb) (INITIAL)	DESIGN CONDITIONS				
				WEATHER CASE	TEMP (°F)	ICE (in)	WIND (mph)	WIND (psf)
ADSS	1	AFL DNA_32763 (144-FIBER)	2217	NESC 250B	0	0.5	40	4
			1629	NESC 250C	60	0	90	20.7
			2569	NESC 250D*	15	0.75	40	4
			1677	32° W/ 1/2" ICE	32	0.5	0	0

* - NESC RULE 250D IS THE CONTROLLING WEATHER CASE WITH REGARDS TO TENSIONING OF THE PROPOSED FIBER AND VERTICAL CLEARANCE OF THE PROPOSED FIBER ABOVE THE GROUND LEVEL.

NESC VERTICAL CLEARANCE (FT)	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	ADSS FIBER
TRACK RAILS	23.5 FT

- NOTES:**
- ELEVATIONS REFERENCED TO THE VERTICAL DATUM OF STATE PLANE NAD83, NEW HAMPSHIRE, U.S. SURVEY FOOT.
 - ALL ELEVATION DATA AND CLEARANCE VALUES SHOWN WERE DEVELOPED BASED ON SURVEY DATA THAT WAS ISSUED DECEMBER 22ND, 2023 BY SURVEY AND MAPPING (SAM) LLC.

				VELCO		VERMONT ELECTRIC POWER CO., INC. RUTLAND, VERMONT HINSDALE TO VERNON ST.	
				PR-VELCO-C-008 (HINSDALE) STATE OF NEW HAMPSHIRE DNCR CROSSING			
REV	DATE	DR	CK	DESCRIPTION			
1	12/06/2024	GJP	IJO	ISSUED FOR NEW HAMPSHIRE DOE APPROVAL			
0	11/14/2024	GJP	IJO	ISSUED FOR NEW HAMPSHIRE DOE APPROVAL			
				SCALE: 1"=30' VERT 1"=300' HORIZ	DRAWN BY: GJP	APPROVED BY: IJO	12/06/24
				DATE: 12/06/2024	CHECKED BY: IJO	IJO	DATE
				DRAWING NUMBER: EXH-1_SHEET 3			1
				PLOT: A, 1=30			REV