

**LEGEND:**

- 393 LINE: -----
- 393 STR: 21

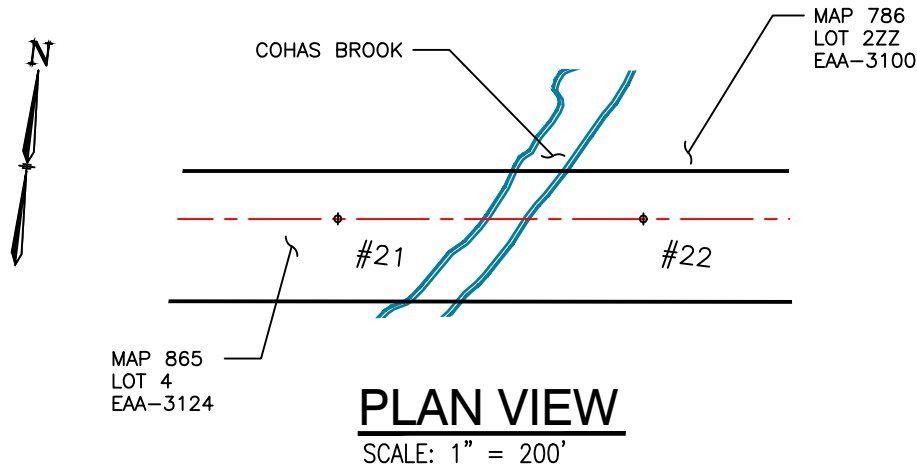
**EVERSOURCE ENERGY**

393 34.5kV LINE  
 WATERBODY CROSSING, LOCATION PLAN  
 MANCHESTER, NEW HAMPSHIRE  
 EXHIBIT 1

T	1
DRAWN CTS	
ENGINEER CJT	
CHECKED CJN	
APPROVED CJT	
DATE 12/15/2021	

DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	SUBMITTED TO DOE WO#A21C9101		7/25/21	CTS	CJN	CJT

SCALE 1" = 1500'	FILE: 039344901.DWG IMAGE:	DRAWING NO. 039344901
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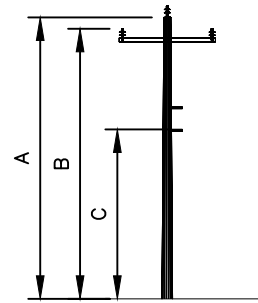
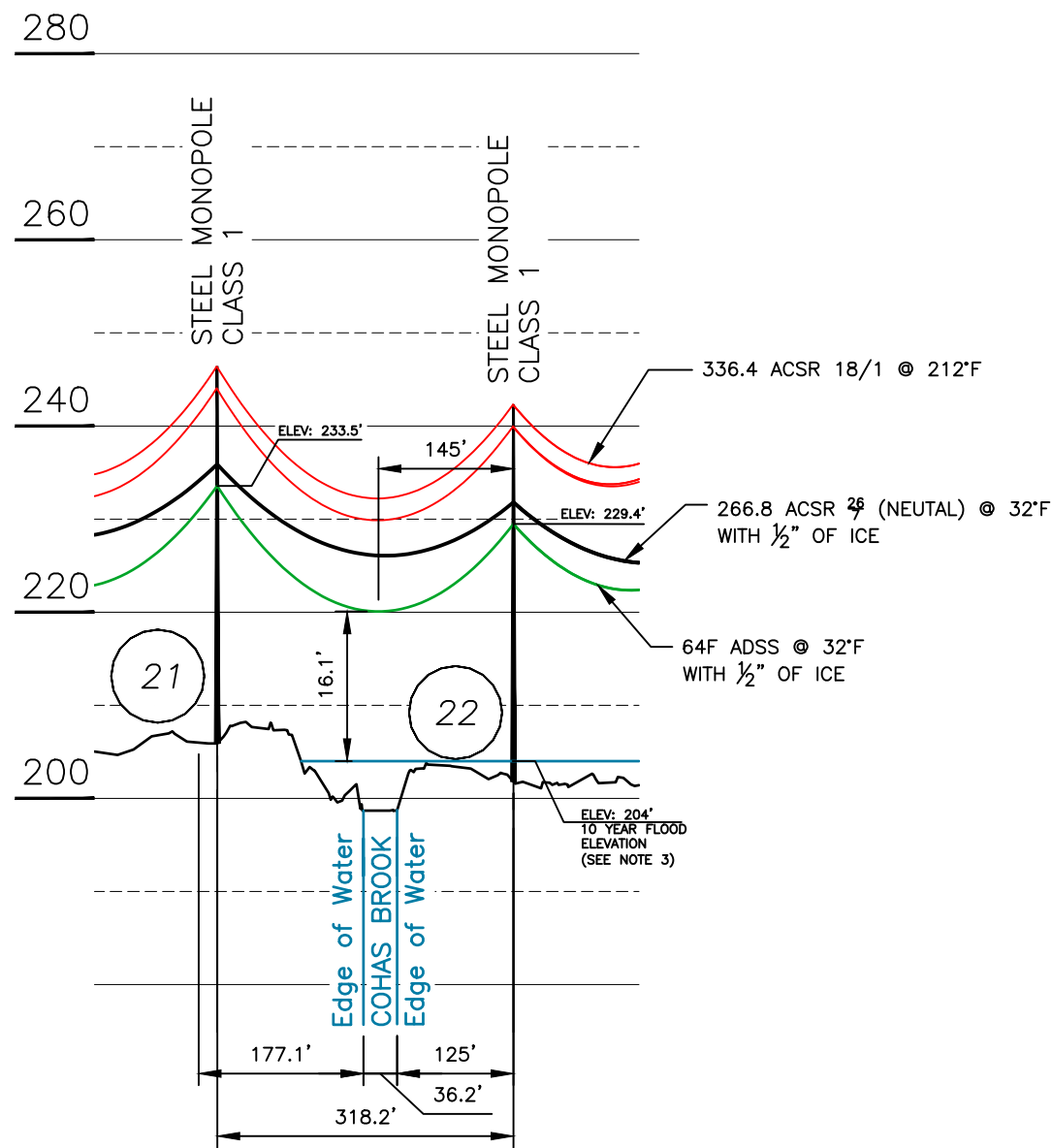


CABLE SCHEDULE						
WIRE	QTY OF CABLES	DESCRIPTION	DESIGN CONDITIONS			
			MAX DESIGN TENSION (lb)	TEMP (°F)	ICE (in)	WIND (psf)
CONDUCTOR	3	ACSR, 336.4 kcmil 18/1, MERLIN	2200	0	0.5	4
NEUTRAL	1	ACSR, 266.8 kcmil 26/7 PARTRIDGE	2600	0	0.5	4
ADSS	1	64F ADSS	1350	0	0.5	4

**LEGEND:**

- #21 STRUCTURE
- PROPERTY BOUNDARY
- 393 LINE 34.5KV LINE, ☉ OF CONSTRUCTION
- ===== LIMITS OF EVERSOURCE RIGHT OF WAY
- ===== LIMITS OF PUBLIC WATERBODY

STRUCTURE LOCATION		
STRUCTURE	LONGITUDE	LATITUDE
21	-71.41909871	42.95911928
22	-71.41791815	42.95922129



STR'S 21,22: ARE EVERSOURCE TANGENT, SINGLE CIRCUIT MONOPOLE, HORIZONTAL CONFIG.

**STRUCTURE DETAIL**

STRUCTURE DETAILS					
STRUCTURE	TYPE	MATERIAL	A (FT)	B (FT)	C (FT)
21	TANGENT	STEEL	40.5	38.2	27.7
22	TANGENT	STEEL	40.5	38.2	27.7

NEC VERTICAL CLEARANCE (FT) FROM TABLE 232.1		
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	LINE VOLTAGE (kV)	
	NEUTRAL / ADSS	34.5
WATER AREAS NOT SUITABLE FOR SAIL BOATING OR WHERE SAIL BOATING IS PROHIBITED	14	17

**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 REPORT #33011CV003A (9/25/2009)



DWG REV	EPN/DESCRIPTION	CONT/PE#	DATE	DRN	CHKD	APPR
1	SUBMITTED TO DOE WO#A21C9101		2/9/22	CTS	CJN	CJT

EVERSOURCE ENERGY

393, 34.5kV LINE  
COHAS BROOK CROSSING  
MANCHESTER, NEW HAMPSHIRE  
EXHIBIT 2

SCALE AS SHOWN	FILE: 039344901.DWG IMAGE:	DRAWING NO. <b>039344901</b>
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T DRAWN CTS	1
ENGINEER CJT	
CHECKED CJN	
APPROVED CJT	
DATE 02/09/2022	