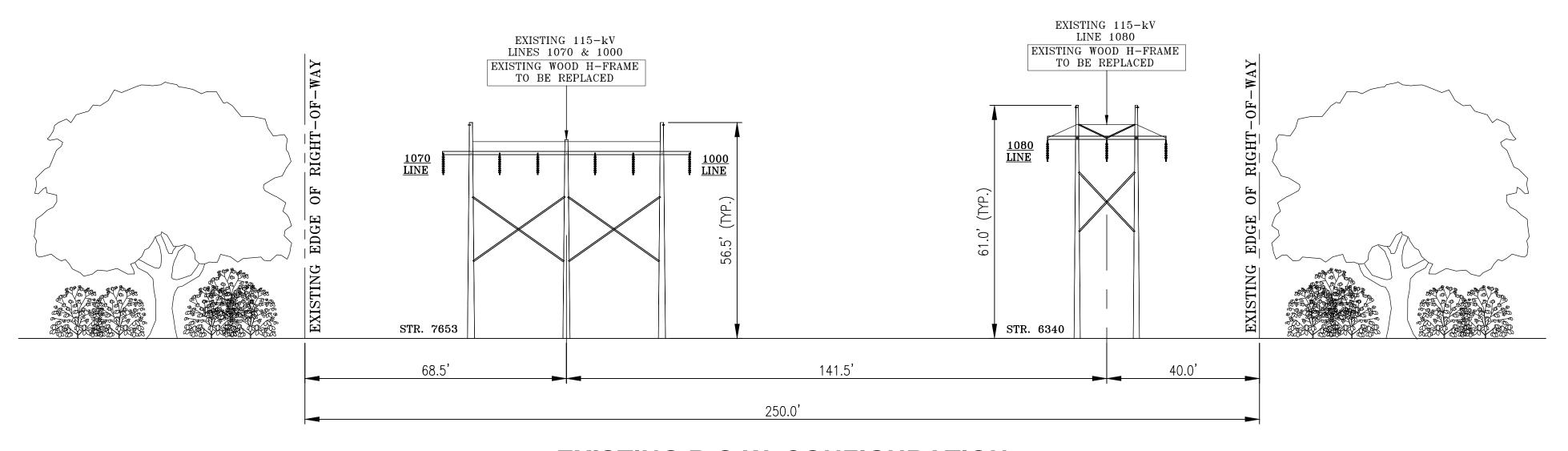
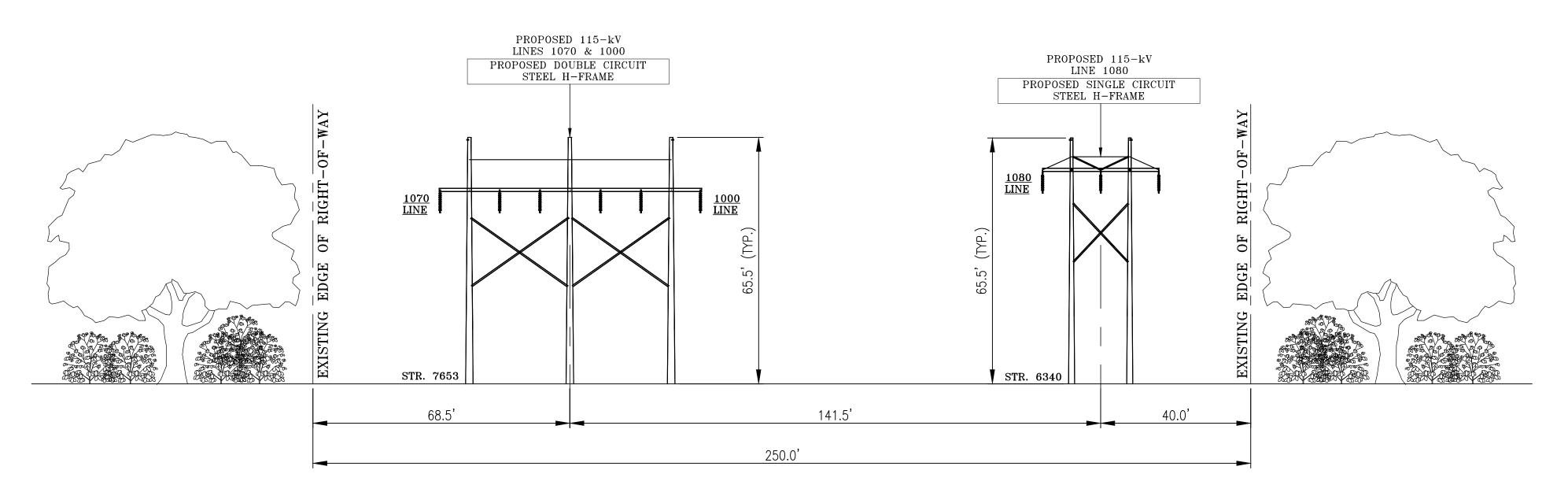
Attachment B:

**Cross Sections** 



### **EXISTING R.O.W. CONFIGURATION** DOUBLE & SINGLE CIRCUIT WOOD H-FRAME DESIGN LOOKING FROM FORT HILLS FARMS SUBSTATION TO WAWECUS JUNCTION IN THE TOWN OF MONTVILLE, CT STRS. #7653 & #6340



PROPOSED R.O.W. CONFIGURATION NO ADDITIONAL RIGHT-OF-WAY REQUIRED DOUBLE & SINGLE CIRCUIT STEEL H-FRAME DESIGN LOOKING FROM FORT HILLS FARMS SUBSTATION TO WAWECUS JUNCTION IN THE TOWN OF MONTVILLE, CT STRS. #7653 & #6340

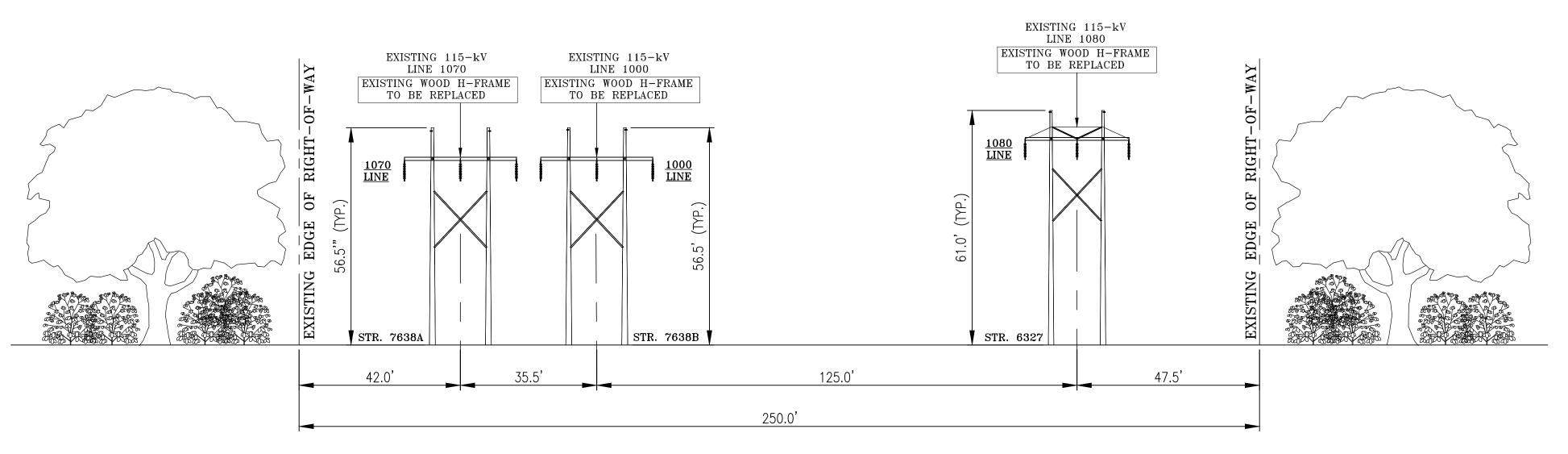
XS-1

### **EVERS\$\rightarrow\$URCE ENERGY**

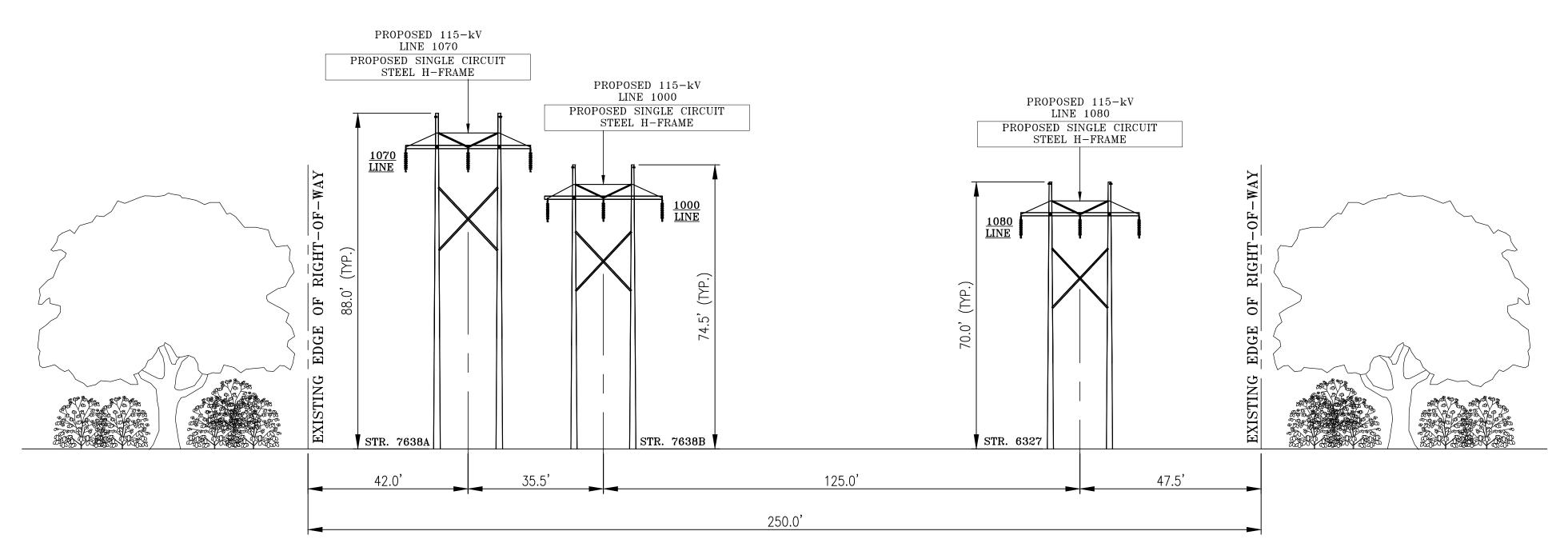
WAWECUS JCT. - MONTVILLE JCT. 115-kV TRANSMISSION LINE 1000/1070/1080/1090 RIGHT OF WAY CROSS SECTION

MONTVILLE, CONNECTICUT

10/05/22 10/05/22 10/05/22 N.T.S. N.T.S. 01105-85002p001 80053717 / 80053627



# EXISTING R.O.W. CONFIGURATION SINGLE CIRCUIT WOOD H-FRAME DESIGN LOOKING FROM FORT HILLS FARMS SUBSTATION TO WAWECUS JUNCTION IN THE TOWN OF MONTVILLE, CT STRS. #7638A & #7638B & #6327



PROPOSED R.O.W. CONFIGURATION

NO ADDITIONAL RIGHT-OF-WAY REQUIRED

SINGLE CIRCUIT STEEL H-FRAME DESIGN

LOOKING FROM FORT HILLS FARMS SUBSTATION TO WAWECUS JUNCTION

IN THE TOWN OF MONTVILLE, CT

STRS. #7638A & #7638B & #6327

NOTE: LINE ARRESTERS TO BE

ADDED AS REQUIRED

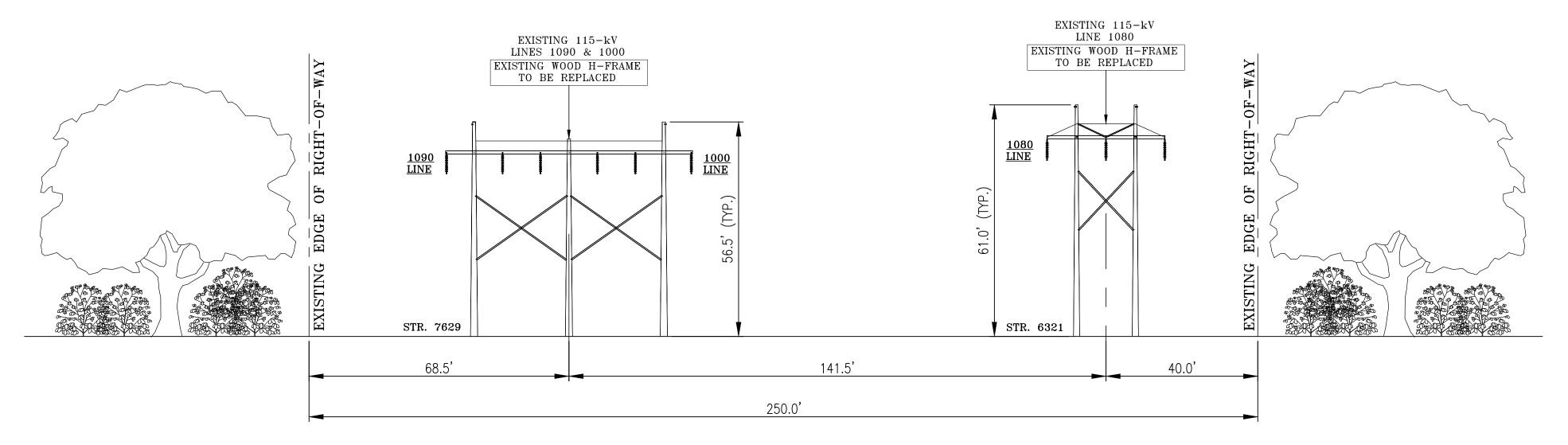
XS-2

## EVERS URCE ENERGY

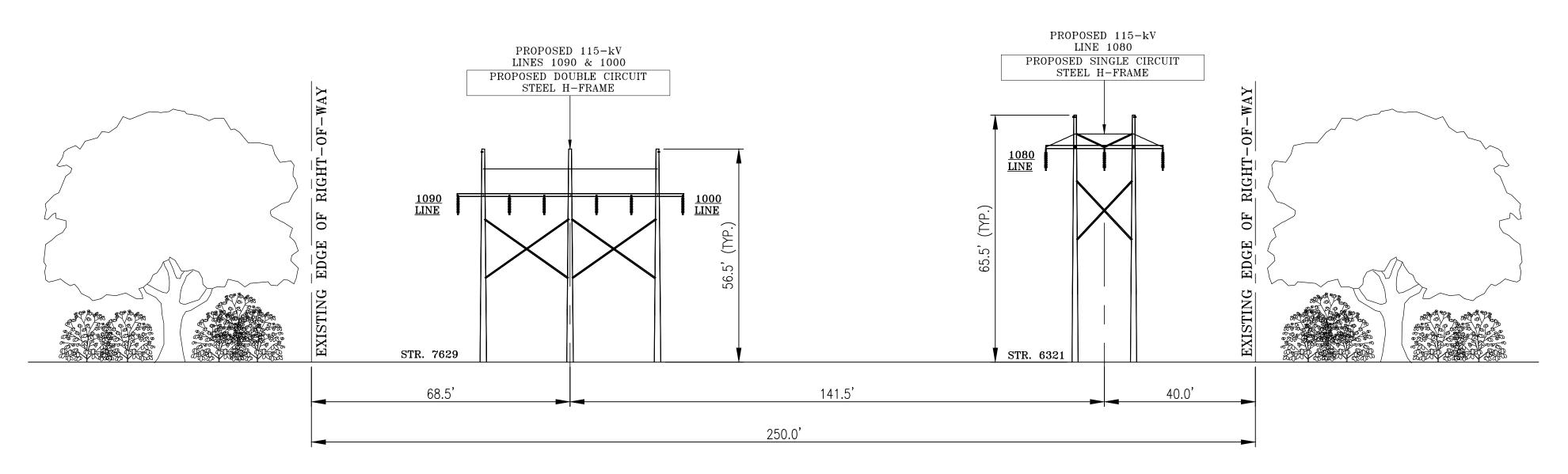
WAWECUS JCT. - MONTVILLE JCT.

115-kV TRANSMISSION LINE 1000/1070/1080/1090
RIGHT OF WAY CROSS SECTION

MONTVILLE, CONNECTICUT



# EXISTING R.O.W. CONFIGURATION DOUBLE & SINGLE CIRCUIT WOOD H-FRAME DESIGN LOOKING FROM MONTVILLE JUNCTION TO FORT HILLS FARMS SUBSTATION IN THE TOWN OF MONTVILLE, CT STRS. #7629 & #6321



# PROPOSED R.O.W. CONFIGURATION NO ADDITIONAL RIGHT-OF-WAY REQUIRED DOUBLE & SINGLE CIRCUIT STEEL H-FRAME DESIGN LOOKING FROM MONTVILLE JUNCTION TO FORT HILLS FARMS SUBSTATION IN THE TOWN OF MONTVILLE, CT STRS. #7629 & #6321

NOTE: LINE ARRESTERS TO BE ADDED AS REQUIRED XS-3

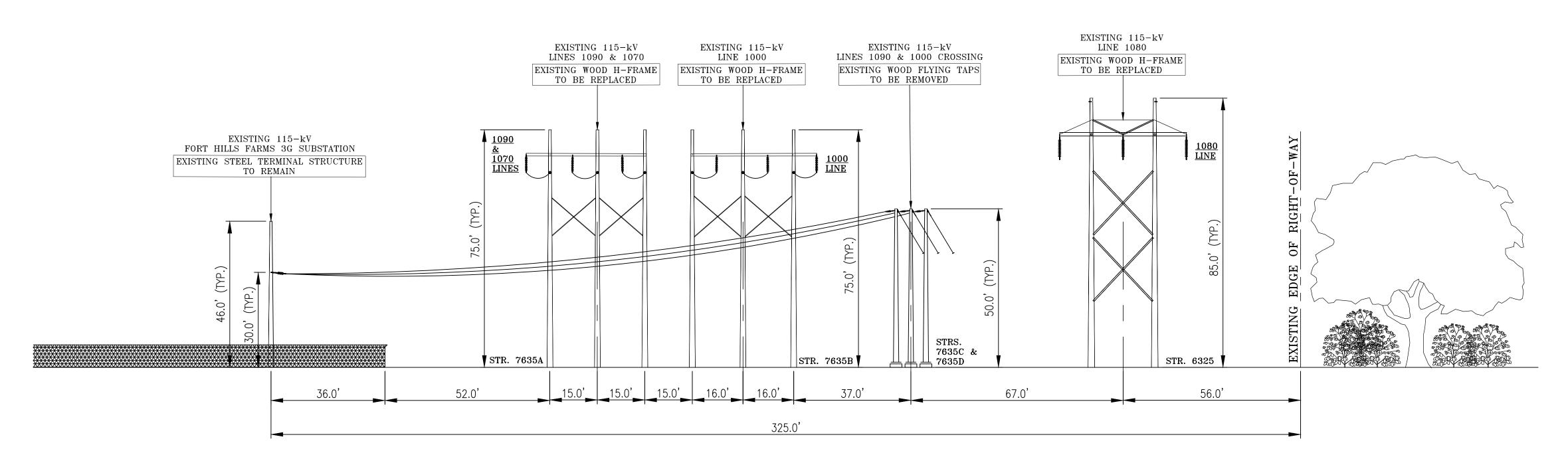
## EVERS=URCE ENERGY

WAWECUS JCT. - MONTVILLE JCT.

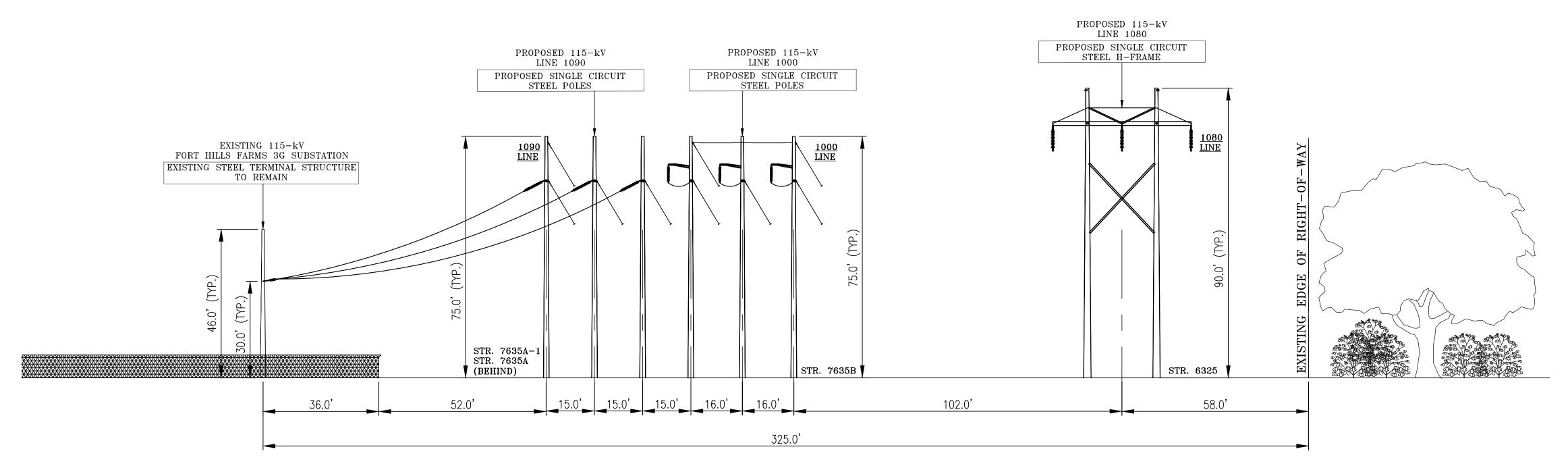
115-kV TRANSMISSION LINE 1000/1070/1080/1090
RIGHT OF WAY CROSS SECTION

N.T.S.

V.S. R.E. DWG 80053717 / 80053627 DWG NO. 01105-85002p003



# EXISTING R.O.W. CONFIGURATION SINGLE CIRCUIT WOOD H-FRAME & FLYING TAP STRUCTURE DESIGN LOOKING FROM MONTVILLE JUNCTION TO FORT HILLS FARMS SUBSTATION IN THE TOWN OF MONTVILLE, CT STRS. #7635A & #7635B & #7635C & #7635D & #6325



PROPOSED R.O.W. CONFIGURATION
NO ADDITIONAL RIGHT-OF-WAY REQUIRED
SINGLE CIRCUIT STEEL H-FRAME & STEEL POLE STRUCTURE DESIGN
LOOKING FROM MONTVILLE JUNCTION TO FORT HILLS FARMS SUBSTATION
IN THE TOWN OF MONTVILLE, CT
STRS. #7635A & #7635A-1 & #7635B & #6325

XS-4

01105-85002p004

### EVERS URCE ENERGY

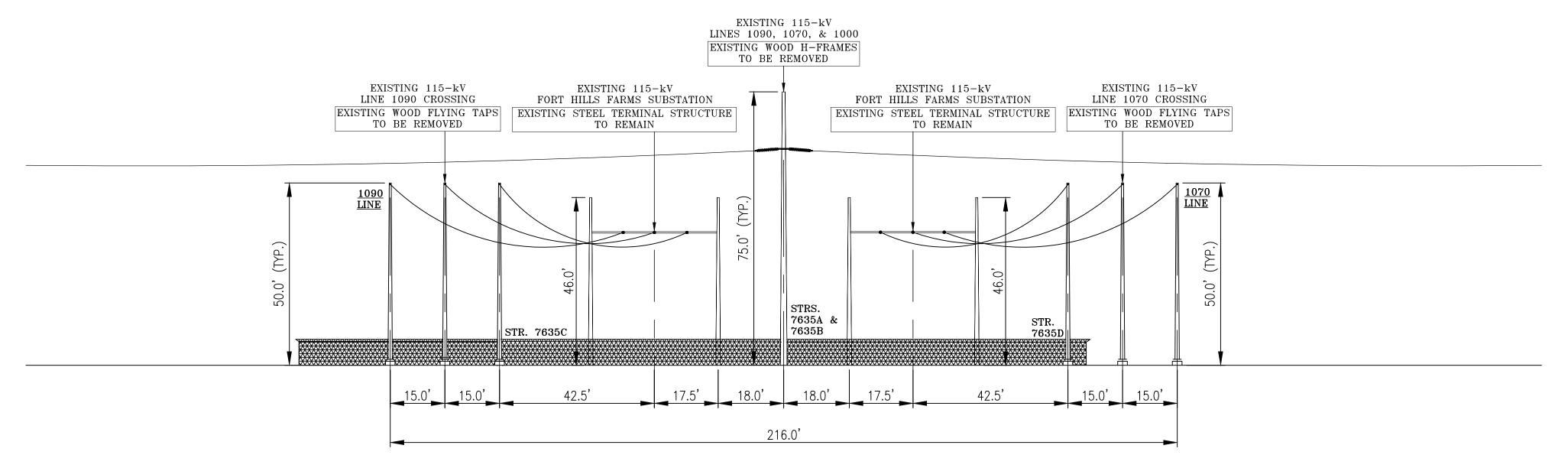
WAWECUS JCT. - MONTVILLE JCT.

115-kV TRANSMISSION LINE 1000/1070/1080/1090
RIGHT OF WAY CROSS SECTION

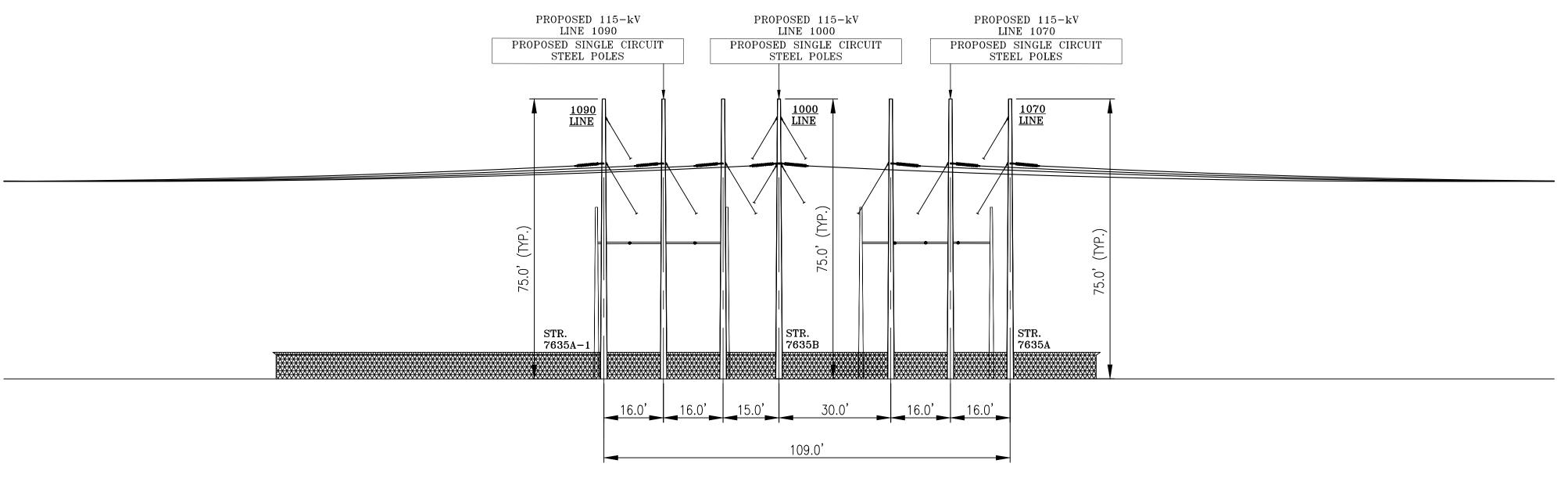
			MONTVILLE,	201	NECTICUT		
	GJG	CHKD	JFAP	APP	JFAP	APP	
) 5)	10/05/22	DATE	10/05/22	DATE	10/05/22	DATE	
CALE	N.T.S.	SIZE	D	FIELD	BOOK & PAGES		
CALE			<u> </u>				

80053717 / 80053627

NOTE: LINE ARRESTERS TO BE ADDED AS REQUIRED



# EXISTING R.O.W. CONFIGURATION SINGLE CIRCUIT WOOD H-FRAME & FLYING TAP STRUCTURE DESIGN LOOKING WEST TOWARD FORT HILLS FARMS SUBSTATION IN THE TOWN OF MONTVILLE, CT STRS. #7635A & #7635B & #7635C & #7635D



PROPOSED R.O.W. CONFIGURATION
NO ADDITIONAL RIGHT-OF-WAY REQUIRED
SINGLE CIRCUIT STEEL H-FRAME & STEEL POLE STRUCTURE DESIGN
LOOKING WEST TOWARD FORT HILLS FARMS SUBSTATION
IN THE TOWN OF MONTVILLE, CT
STRS. #7635A-1 & #7635A & #7635B

NOTE: LINE ARRESTERS TO BE ADDED AS REQUIRED XS-5

### EVERS URCE ENERGY

WAWECUS JCT. - MONTVILLE JCT.

115-kV TRANSMISSION LINE 1000/1070/1080/1090
RIGHT OF WAY CROSS SECTION

 MONTVILLE, CONNECTICUT

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 APP

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 DATE
 10/05/22
 DATE
 10/05/22
 DATE

| DATE | 10/05/22 | DATE | 10/

#### Attachment C:

List of Structure Replacements

		Existing		Р	roposed	
Line #	Structure #		Above Ground		Above Ground	Structure Height
		Structure Type	Height	Structure Type	Height	Change
			(ft)		(ft)	Above Ground (ft)
		Wa	wecus Junction to	Montville Junction		
	6371	Single-Circuit	61	Single-Circuit	70	9
	6370	Wood H-Frame	61	Weathering Steel H-Frame	65.5	4.5
	6368	Single-Circuit Wood Three-Pole	74.5	Single-Circuit Weathering Steel Three-Pole	74.5	0
	6367		56.5		61	4.5
	6358		79		83.5	4.5
	6347.5	Single-Circuit	90	Single-Circuit	90	0
	6345	Wood H-Frame	47.5	Weathering Steel H-Frame	56.5	9
	6344	WOOD IT-FLAITIE	47.5	weathening steel n-riame	56.5	9
	6343		79		92.5	13.5
	6342		74.5		79	4.5
	6341	Single-Circuit Wood Three-Pole	47.5	Single-Circuit Weathering Steel Three-Pole	47.5	0
1080	6340		61		65.5	4.5
1090	6338		65.5		70	4.5
	6333		65.5		70	4.5
	6331		88		83.5	-4.5
	6330	Single-Circuit	92.5	Single-Circuit	92.5	0
	6327	Wood H-Frame	61	Weathering Steel H-Frame	70	9
	6326	WOOd H-Hame	70	weathering steel in-i fame	74.5	4.5
	6325		74.5		83.5	9
	6324		74.5		83.5	9
	6323		74.5		83.5	9
	6321		61		65.5	4.5
	6320	Single-Circuit Wood Three-Pole	74.5	Single-Circuit Weathering Steel Three-Pole	83.5	9
	6318	Circle Ci ii	70	Circula Ci ii	70	0
	6313	Single-Circuit	61	Single-Circuit	65.5	4.5
	6311	Wood H-Frame	83.5	Weathering Steel H-Frame	88	4.5

		Existing		P	roposed	
Line #	Structure #	Structure Type	Above Ground Height (ft)	Structure Type	Above Ground Height (ft)	Structure Height Change Above Ground (ft)
		Wawed	cus Junction to For	t Hills Farms Substation		
	7692.5	Single-Circuit Wood Three-Pole	43	Single-Circuit Weathering Steel Three-Pole	43	0
	7691	Davible Circuit	56.5	Double-Circuit	61	4.5
	7686	Double-Circuit	56.5		61	4.5
	7681	Wood H-Frame	56.5	Weathering Steel H-Frame	65.5	9
	7680B	Single-Circuit Wood H-Frame	56.5	Single-Circuit Weathering Steel H-Frame	70	13.5
	7679		52		65.5	13.5
	7678	7678	61		61	0
	7674		56.5	Double-Circuit Weathering Steel H-Frame	56.5	0
	7672		52		61	9
	7666		56.5		56.5	0
	7659		56.5		56.5	0
	7657		56.5		61	4.5
1000/1070	7656	Double-Circuit	56.5		70	13.5
1000/1070	7653	Wood H-Frame	56.5		65.5	9
	7652		56.5	weathering steer it traine	65.5	9
	7651		56.5		61	4.5
	7646		70		70	0
	7645		56.5		61	4.5
	7644		56.5		61	4.5
	7642		61		65.5	4.5
	7640		61		65.5	4.5
	7639		56.5		61	4.5
	7638B	Single-Circuit	56.5	Single-Circuit	74.5	18
	7638A	Wood H-Frame	56.5	Weathering Steel H-Frame	88	31.5
	7637	Double-Circuit	56.5	Double-Circuit	79	22.5
	7636	Wood H-Frame	56.5	Weathering Steel H-Frame	65.5	9
	7635A	Single-Circuit Wood Three-Pole	65.5	Single-Circuit Weathering Steel Three-Pole	65.5	0

		Existing		Р	roposed						
Line #	Structure # Structure Type Above Ground Height Structure Type (ft)		Structure Type	Above Ground Height (ft)	Structure Height Change Above Ground (ft)						
	Fort Hills Farms Substation to Montville Junction										
	7635B	Single-Circuit Wood Three-Pole	65.5	Single-Circuit Weathering Steel Three-Pole	65.5	0					
	7635A-1	N/A - New Structure	NA	Single-Circuit Weathering Steel Three-Pole	65.5	0					
	7634		56.5		56.5	0					
	7633		56.5	]	56.5	0					
	7632		56.5	]	61	4.5					
	7631	Double-Circuit	56.5	Double-Circuit	56.5	0					
	7630	Wood H-Frame	56.5	Weathering Steel H-Frame	61	4.5					
	7629		56.5		56.5	0					
	7628		52		56.5	4.5					
	7627		52		56.5	4.5					
	7626B	Single-Circuit	56.5	Single-Circuit	70	13.5					
	7626A	Wood Two- Pole	56.5	Weathering Steel Two -Pole	70	13.5					
1000/1090	7625		52		56.5	4.5					
	7624		61		70	9					
	7623		56.5		61	4.5					
	7621	Double-Circuit	52	Double-Circuit	74.5	22.5					
	7620	Wood H-Frame	56.5	Weathering Steel H-Frame	70	13.5					
	7619		56.5		56.5	0					
	7617		56.5		61	4.5					
	7616		56.5		61	4.5					
	7614A	Single-Circuit Wood H-Frame	56.5	Single-Circuit Weathering Steel Three-Pole	61	4.5					
	7613	Double-Circuit	56.5	Double-Circuit	61	4.5					
	7612	Wood H-Frame	56.5	Weathering Steel H-Frame	61	4.5					
	7611A	Single-Circuit Wood H-Frame	56.5	Single-Circuit Weathering Steel Three-Pole	56.5	0					

#### Attachment D:

Wetlands and Watercourses Report



**Prepared For:** Eversource Energy

56 Prospect Street Hartford, CT 06103 Attn: Mark Pappalardo

Project Location: Norwich and Montville, Connecticut

Date(s) of Investigations: Fall 2021 to Summer 2022

#### Wetland/Watercourse Delineation Methodology:

□Massachusetts Wetlands

The wetlands inspection was performed by:

Davison Environmental, LLC

Matthew Davison

Professional Soil Scientist Professional Wetland Scientist

#### **ATTACHMENTS**

- 1. Wetland Characteristic Summary Forms
- 2. Wetland Photographs

Davison Environmental Connecticut Registered Soil Scientists and a Certified Professional Wetland Scientists Eric Davison and Matthew Davison delineated the Connecticut and Federal jurisdictional wetlands from Fall 2021 to Summer 2022. The limits of the delineation area consisted of the 1080, 1000, 1070, and 1090 Transmission Line right-of-way (ROW), referred to hereafter as the "Project area". The Project area is located in the Towns of Norwich and Montville. The Project originates at Wawecus Junction in Norwich and continues southeast to the Montville Junction in Montville.

The Project area is located within The Long Island Sound Coastal Lowland ecoregion (source: U.S. Environmental Protection Agency). This region is the coastal strip occurring in southern Connecticut and Rhode Island that borders Long Island Sound and Block Island Sound. It includes low-elevation rolling coastal plain, tidal marshes, estuaries, sandy dunes and beaches, and rocky headlands. This ecoregion has one of the mildest climates of New England. The coastal hardwood forests contain black, red, and white oaks, hickories, and black cherry. Dense thickets of vines and shrubs such as catbrier, greenbrier, and poison ivy are common. Some Southeastern flora and fauna species of the Piedmont and coastal plain reach their northern limit in this ecoregion, including holly, post oak, sweetgum, and persimmon. On coastal headlands, pitch pine and post oak occur, while some scarlet oak and sassafras stand on stabilized dunes. Parts of the ecoregion are highly urbanized, especially from New Haven westward.

#### Regulatory Requirements

The regulations governing the delineation of wetlands and watercourses at the site include Connecticut inland wetlands and Federal wetlands regulated by the U.S. Army Corp of Engineers (USACE). A summary of the regulatory language for each jurisdictional body are described below:

The Connecticut jurisdictional wetlands and watercourses delineation was conducted by a soil scientist according to the requirements of the Connecticut Inland Wetlands and Watercourses Act (P.A. 155). Inland wetlands include soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey as may be amended from time to time, of the National Resources Conservation Service (NRCS). Watercourses means rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent. Intermittent watercourses shall be delineated by a defined permanent channel and bank and the occurrence of two or more of the following

characteristics: (A) Evidence of scour or deposits of recent alluvium or detritus, (B) the presence of standing or flowing water for a duration longer than a particular storm incident, and (C) the presence of hydrophytic vegetation.

Federal wetlands were delineated in accordance with the <u>Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region</u> (Version 2.0, January 2012). According to this method, three parameters must be satisfied for an area to be mapped as a wetland. These are wetland soils, hydrophytic vegetation, and wetland hydrology.

#### <u>Methods</u>

Soils, vegetation and hydrology were examined per the aforementioned regulatory requirements. Along each wetland boundary, a hand auger was used to investigate the soil profiles to a minimum depth of 20 inches. This was necessary to determine the U.S. Department of Agriculture drainage class (per State requirements) as well as the presence of hydric soil indicators per the USACE requirements (e.g., reduced matrix, redoximorphic features). Soil profiles were reviewed approximately every 15-30 feet along the boundary, typically digging one hole on either side of the defining boundary to confirm the wetland limit. This information was coupled with observed hydrology (or the presence of hydrologic indicators) as well as the presence of hydrophytic vegetation to determine the final location of the placement of each wetland flag. As is typically the case with most Connecticut wetlands, the boundary of State and Federal jurisdictional wetlands was identical. Wetland boundaries were field demarcated with pink plastic flagging tape labeled "Wetland Delineation". The wetland flag locations were field located using a Trimble R1 GNSS Receiver capable of sub-meter accuracy and depicted on the Petition Mapping.

#### Results and Wetland Descriptions

In total, 34 wetlands and 10 watercourses were delineated in the Project area as summarized in Table 1 and illustrated on the Project mapping. Table 1 indicates the Map Sheet location, as well as the wetland vegetation type and hydrology observed.

Table 1: Delineated Wetlands and Watercourses within the Wawecus Junction to Montville Junction Upgrade Project

						Associated
Aerial Map Sheet No.	Wetland No. <sup>1</sup>	Dominant NWI Class <sup>2</sup>	Other NWI Classes	Dominant Water Regime	Associated Watercourse <sup>3</sup>	Potential Vernal Pool <sup>4</sup>
1	42	PEM	PSS	Seasonally Flooded	S24 (Intermittent)	
1	43	PEM	PSS	Seasonally Saturated- seepage		
2	44	PEM	PSS	Seasonally Saturated- seepage		
2	45	PEM	PSS	Seasonally Saturated- seepage		
2	46	PEM	PSS	Permanently Saturated	Goldmine Brook (S25)	
3	47	PEM	PSS	Permanently Saturated	Goldmine Brook (S25)	
3	48	PSS	PEM	Seasonally Flooded		VP7
4	49	PSS	PEM	Seasonally Flooded		VP8
4	50	PSS	PEM	Seasonally Flooded		VP9 and VP10
5	51	PSS	PEM	Permanently Flooded	S26 (Intermittent)	VP11
5	52	PSS	PEM	Seasonally Flooded		VP12
5	53	PSS	PEM	Seasonally Flooded		VP13
5	54	PSS	PEM	Seasonally Flooded		
5	55	PSS	PEM	Seasonally Saturated- seepage		
5	56	PSS	PEM	Seasonally Saturated - Seepage		
6	57	PSS	PEM	Seasonally Flooded		

Aerial Map Sheet No.	Wetland No. <sup>1</sup>	Dominant NWI Class <sup>2</sup>	Other NWI Classes	Dominant Water Regime	Associated Watercourse <sup>3</sup>	Associated Potential Vernal Pool <sup>4</sup>
6	58	PSS	PEM	Permanently Saturated	Trading Cove Brook (S27)	
7	59	PSS	PEM	Seasonally Flooded	S28 (Intermittent)	
7	60	PSS	PEM	Seasonally Flooded		VP14
8	61	PSS	PEM	Seasonally Saturated - Seepage		
8	62	PSS	PEM	Seasonally Saturated- seepage		
8	63	PSS	PEM	Seasonally Flooded		VP15
9	64	PSS	PEM	Seasonally Flooded	S29 (Stony Brook)	
9	65	PSS	PEM	Seasonally Saturated- seepage		
10	66	PSS	PEM	Seasonally Saturated - Seepage		
10	67	PSS	PEM	Seasonally Saturated- seepage	S30 and S31 (Intermittent)	
11	68	PSS	PEM	Seasonally Flooded		
11	69	PSS	PEM	Seasonally Flooded		
12	70	PSS	PEM	Seasonally Saturated- seepage	S32A (Intermittent)	
12	71	PSS	PEM	Seasonally Flooded	S32 (Mohegan Brook) & S32A (Intermittent)	
12	72	PSS	PEM	Seasonally Saturated- seepage		
13	73	PSS	PEM	Seasonally flooded	S33 (Intermittent)	

Aerial Map Sheet No.	Wetland No. <sup>1</sup>	Dominant NWI Class <sup>2</sup>	Other NWI Classes	Dominant Water Regime	Associated Watercourse <sup>3</sup>	Associated Potential Vernal Pool <sup>4</sup>
13	74	PSS	PEM	Seasonally Saturated - Seepage		
14	75	PEM	PSS	Permanently flooded	Horton Cove (Thames River)	

<sup>&</sup>lt;sup>1</sup>Wetland No. refers to the number generated during the 2021-22 field surveys. This Wetland No. is keyed to those depicted on the 200 scale Aerial Maps (Attached to the Petition).

Wetlands consist predominantly of *groundwater slope wetlands* and *groundwater depression wetlands* situated in glacial till. The predominate wetland hydrology observed was *seasonally saturated*. Wetlands with a *seasonally saturated* hydrology have a substrate that is saturated for extended periods during the growing season, but standing water is rarely present. Wetlands with vernal pools have a *seasonally flooded* hydrology. Wetlands with a *seasonally flooded* hydrology are flooded for extended periods during the growing season, but usually no surface water by the end of the growing season

The dominant vegetative cover type is *palustrine scrub-shrub* (PSS), due to the fact that the ROW is maintained to exclude trees in favor of low woody shrubs and herbaceous vegetation. Most wetlands continue beyond the maintained ROW, where they are typically *palustrine forested* (PFO) communities. Due to the biogeography of the Project area along the northerly limits of the *Coastal Zone*, wetlands are predominantly headwater wetlands, many of which include 1<sup>st</sup> order perennial streams draining to coastal streams and rivers. The remainder of the wetlands are small locally isolated *groundwater depression* wetlands.

Wetland soil types observed consist of the Ridgebury, Leicester, and Whitman complex, Timakwa and Natchaug complex, and Westbrook mucky peat (tidal). The Ridgebury, Leicester and Whitman complex, is an undifferentiated mapping unit consisting of two poorly drained (Ridgebury and Leicester) and one very poorly drained (Whitman) soil developed on glacial till in depressions and drainageways in uplands and valleys. Their use interpretations are very similar, and they typically are so intermingled on the landscape that separation is not practical. The Ridgebury and Leicester series have a seasonal high water table at or near the surface (0-6") from fall through spring. They differ in that the Leicester soil has a more friable compact layer or hardpan, while

<sup>&</sup>lt;sup>2</sup>Wetlands classified according to Cowardin et al 1979; PEM = Palustrine Emergent Wetland; PFO = Palustrine Forested Wetland; PSS = Palustrine Scrub-Shrub Wetland; POW = Palustrine Open Water.

<sup>3</sup>Associated Watercourse refers to the identification number assigned during the 2021 field surveys to identify watercourses.

<sup>&</sup>lt;sup>4</sup> Vernal pools were identified in spring of 2022 by Davison Environmental

Wetland and Watercourses Delineation Report
Wawecus Junction to Montville Junction Upgrade Project
the Ridgebury soils have a dense to very dense compact layer. The Whitman soil has a high
water table for much of the year and may frequently be ponded.

The Timakwa series consists of very deep, very poorly drained soils formed in woody and herbaceous organic materials over sandy deposits in depressions on lake plains, outwash plains, till plains, moraines, and flood plains. These soils have moderate to very rapid permeability in the organic material and rapid to very rapid permeability in the sandy material.

The Natchaug series consists of very deep, very poorly drained soils formed in woody and herbaceous organic materials overlying loamy deposits in depressions on lake plains, outwash plains, till plains, moraines, and flood plains. These soils have moderate to very rapid permeability in the organic material and moderately slow to moderately rapid permeability in the loamy material.

The Westbrook series consists of very deep, very poorly drained soils formed in organic deposits over loamy mineral material. They are in tidal marshes subject to inundation by salt water twice daily. Westbrook soils developed in partially decomposed organic material from salt tolerate herbaceous plants over loamy sediments. These soils are tidal wetlands subject to the exclusive jurisdiction of the CT DEP Office of Long Island Sound Programs.

Wetland I.D.: 42	2			
WETLAND HYDROLOGY:				
Intermittently Flooded □		Artificially Flooded □		Permanently Flooded □
Semipermanently Flooded □		Seasonally Flooded □		Temporarily Flooded □
Permanently Saturated □		Seasonally Saturated/seepage	X	Seasonally Saturated/perched
Comments: None				
WETLAND TYPE:				
Emergent ⊠		Scrub-shrub ⊠	F	orested
Open Water □		Disturbed □	Disturbed □ W	
Comments:		·		
WATERCOURSE TYPE:				
Perennial		Intermittent ⊠	Е	phemeral □
Watercourse Name: S24				
Comments: Drains east three	oug	h ROW		
SPECIAL AQUATIC HABIT				Ather 🗆
Vernal Pool : Yes □ No □ Vernal Pool Habitat Type: No □			U	Other
Comments:	NOII	<u> </u>		
WETLAND SOIL TYPE (s):				
Soil Types: Ridgebury, Leic	cest	er, and Whitman		
DOMINANT PLANTS:				
Fox Grape (Vitis labrusca	a)			
Goldenrod (Solidago)	1/			
Multiflora Rose* (Rosa m	ultif	lora)		
Tussock Sedge (Carex st				
Skunk Cabbage (Symplo	carp	ous foetidus)		
Sensitive Fern (Onoclea s	sen	sibilis)		
* denotes Connecticut Invasiv	e S <sub>l</sub>	pecies Council invasive plant speci	es	
GENERAL COMMENTS:				
İ				

Wetland I.D.:     43       WETLAND HYDROLOGY:     Intermittently Flooded □
Intermittently Flooded □       Artificially Flooded □       Permanently Flooded □         Semipermanently Flooded □       Seasonally Flooded □       Temporarily Flooded □         Permanently Saturated □       Seasonally Saturated/seepage □       Seasonally Saturated/perched         Comments: None         WETLAND TYPE:       Emergent □       Scrub-shrub □       Forested □         Open Water □       Disturbed □       Wet Meadow □         Comments:         WATERCOURSE TYPE:         Perennial □       Intermittent □       Ephemeral □         Watercourse Name:
Intermittently Flooded □       Artificially Flooded □       Permanently Flooded □         Semipermanently Flooded □       Seasonally Flooded □       Temporarily Flooded □         Permanently Saturated □       Seasonally Saturated/seepage □       Seasonally Saturated/perched         Comments: None         WETLAND TYPE:       Emergent □       Scrub-shrub □       Forested □         Open Water □       Disturbed □       Wet Meadow □         Comments:         WATERCOURSE TYPE:         Perennial □       Intermittent □       Ephemeral □         Watercourse Name:
Semipermanently Flooded □       Seasonally Flooded □       Temporarily Flooded □         Permanently Saturated □       Seasonally Saturated/seepage □       Seasonally Saturated/perched         Comments: None         WETLAND TYPE:         Emergent □       Scrub-shrub □       Forested □         Open Water □       Disturbed □       Wet Meadow □         Comments:         WATERCOURSE TYPE:         Perennial □       Intermittent □       Ephemeral □         Watercourse Name:
Permanently Saturated □       Seasonally Saturated/seepage ☒       Seasonally Saturated/perched         Comments: None         WETLAND TYPE:         Emergent ☒       Scrub-shrub ☒       Forested □         Open Water □       Disturbed □       Wet Meadow □         Comments:         WATERCOURSE TYPE:         Perennial □       Intermittent □       Ephemeral □         Watercourse Name:
Comments: None   WETLAND TYPE:   Emergent ⋈ Scrub-shrub ⋈ Forested □   Open Water □ Disturbed □ Wet Meadow □   Comments:    WATERCOURSE TYPE:  Perennial □  Watercourse Name:  Ephemeral □  Watercourse Name:
Emergent ⊠       Scrub-shrub ⊠       Forested □         Open Water □       Disturbed □       Wet Meadow □         Comments:         WATERCOURSE TYPE:         Perennial □       Intermittent □       Ephemeral □         Watercourse Name:
Emergent ⊠       Scrub-shrub ⊠       Forested □         Open Water □       Disturbed □       Wet Meadow □         Comments:         WATERCOURSE TYPE:         Perennial □       Intermittent □       Ephemeral □         Watercourse Name:
Open Water □       Disturbed □       Wet Meadow □         Comments:         WATERCOURSE TYPE:         Perennial □       Intermittent □       Ephemeral □         Watercourse Name:
Comments:  WATERCOURSE TYPE:  Perennial □
WATERCOURSE TYPE:  Perennial □ Intermittent □ Ephemeral □  Watercourse Name:
Perennial □ Intermittent □ Ephemeral □ Watercourse Name:
Watercourse Name:
Comments:
SPECIAL AQUATIC HABITAT:
Vernal Pool : Yes □ No □ Potential □   Other □
Vernal Pool Habitat Type: None
Comments:
WETLAND SOIL TYPE (s):
Soil Types: Ridgebury, Leicester, and Whitman
DOMINANT PLANTS:
Reed Canarygrass* (Phalaris arundinacea)
Goldenrod (Solidago)
Common Reed* (Phragmites australis)
Common Cattail (Typha latifolia)
Skunk Cabbage (Symplocarpus foetidus)
Red Maple (Acer rubrum)
* denotes Connecticut Invasive Species Council invasive plant species
GENERAL COMMENTS:

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Wetland I.D.: 44					
WETLAND HYDROLOGY:					
Intermittently Flooded □	Artificially Flooded □		Permanently Flooded □		
Semipermanently Flooded	Seasonally Flooded	$\boxtimes$	Temporarily Flooded □		
Permanently Saturated □	Seasonally Saturated	l/seepage ⊠	Seasonally Saturated/perched □		
Comments: None	-				
WETLAND TYPE:					
Emergent ⊠	Scrub-shrub ⊠	F	orested		
Open Water □	Disturbed □	V	Vet Meadow □		
Comments:					
WATERCOURSE TYPE:					
Perennial	Intermittent □	F	phemeral □		
Watercourse Name:	Intermittent 🗆		phomorus 🗆		
Comments:					
SPECIAL AQUATIC HABITA					
Vernal Pool : Yes ☐ No ☐			Other □		
Vernal Pool Habitat Type: No Comments:	ne				
Comments.					
WETLAND SOIL TYPE (s):					
Soil Types: Ridgebury, Leice	ster, and Whitman				
DOMINANT PLANTS:					
Wool Grass (Scirpus cyper	nus)				
Joe Pye Weed (Eupatoriun					
Goldenrod (Solidago)					
Fox Grape (Vitis labrusca)	6 (1)				
Skunk Cabbage (Symploca	rpus foetidus)				
* denotes Connecticut Invasive	 Species Council invasive	plant species			
	,	, ,			
GENERAL COMMENTS:					

[ ]				
Wetland I.D.: 45				
WETLAND HYDROLOGY:				
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □		
Semipermanently Flooded	Seasonally Flooded ⊠	Temporarily Flooded □		
Permanently Saturated □	Seasonally Saturated/seepage			
Comments: None	,			
WETLAND TYPE:				
Emergent ⊠	Scrub-shrub ⊠	Forested		
Open Water □	Disturbed □	Wet Meadow □		
Comments:				
WATERCOURSE TYPE:				
Perennial □	Intermittent □	Ephemeral □		
Watercourse Name:		<u>,                                    </u>		
Comments:				
ODEOLAL AOUATIO HADITA	<b>.</b>			
SPECIAL AQUATIC HABITA  Vernal Pool : Yes □ No □		Other □		
Vernal Pool Habitat Type: No		_ Other 🗆		
Comments:				
WET! AND OO!! TYPE ( )				
WETLAND SOIL TYPE (s):	-t			
Soil Types: Ridgebury, Leice	ster, and whitman			
DOMINANT PLANTS:				
Sensitive Fern (Onoclea se	nsibilis)			
Soft Rush (Juncus effuses)				
Goldenrod (Solidago)				
Fox Grape (Vitis labrusca)				
Skunk Cabbage (Symploca	irpus foetidus)			
* denotes Connecticut Invasive	 Species Council invasive plant spec	ies		
	, , ,			
GENERAL COMMENTS:				

Wetland I.D.: 46			
WETLAND HYDROLOGY:			
Intermittently Flooded □	Artificially Floode	 d □	Permanently Flooded □
Semipermanently Flooded D			Temporarily Flooded □
Permanently Saturated ⊠	Seasonally Satura	ated/seepage ⊠	Seasonally Saturated/perched □
Comments: None			
WETLAND TYPE:			
Emergent ⊠	Scrub-shrub ⊠	F	Forested
Open Water □	Disturbed □	V	Vet Meadow □
Comments:	•	<u> </u>	
WATERCOURSE TYPE:			
Perennial 🗵	Intermittent □	E	phemeral 🗆
Watercourse Name: Goldmi	l		
Comments: S25			
	_		
SPECIAL AQUATIC HABITA  Vernal Pool : Yes □ No □			Ne a a
Vernal Pool : Yes 🗆 No 🗀			Other
Comments:	UII <del>C</del>		
-			
WETLAND SOIL TYPE (s):			
Soil Types: Ridgebury, Leice	ster, and Whitman		
DOMINANT PLANTS:			
Sweet Pepperbush (Clethe	era alnifolia)		
Highbush Blueberry (Vacc			
Multiflora Rose* (Rosa mu			
Buttonbush (Cephalanthus			
Sensitive Fern (Onoclea se	,		
Sassafras (Sassafras albic			
* denotes Connecticut Invasive	Species Council inva	sive plant species	
GENERAL COMMENTS:			
1			

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Wetland I.D.: 47		
WETLAND HYDROLOGY:		
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □
Semipermanently Flooded	Seasonally Flooded ⊠	Temporarily Flooded □
Permanently Saturated ⊠	Seasonally Saturated/seepage	
Comments: None	, , , , , ,	,
WETLAND TYPE:		
Emergent ⊠	Scrub-shrub ⊠	Forested
Open Water □	Disturbed □	Wet Meadow □
Comments:		
WATERCOURSE TYPE:		
Perennial 🗵	Intermittent □	Ephemeral □
Watercourse Name: Goldmine		
Comments: S25	, Brook	
<b>C</b>		
SPECIAL AQUATIC HABITAT		
Vernal Pool : Yes ☐ No ☐ F		Other □
Vernal Pool Habitat Type: Nor	16	
Comments:		
WETLAND SOIL TYPE (s):		
Soil Types: Timakwa and Nato	chaug	
DOMINANT PLANTS:		
Sweet Pepperbush (Clethera		
Highbush Blueberry (Vaccin Reed Canarygrass* (Phalari		
Buttonbush (Cephalanthus o		
Sensitive Fern (Onoclea ser		
Fox Grape (Vitis labrusca)	isibilis)	
* denotes Connecticut Invasive S	Species Council invasive plant specie	PS
	, ,	
GENERAL COMMENTS:		

Wetland I.D.:	48			
WETLAND HYDROLOGY	<b>.</b>			
Intermittently Flooded □	Artificially Flooded □		Permanently Flooded □	
Semipermanently Floode	ed 🗆	Seasonally Flooded ⊠		Temporarily Flooded □
Permanently Saturated [		Seasonally Saturated/seepage	· 🖂	Seasonally Saturated/perched
Comments: None		, , , , ,		
WETLAND TYPE:				
Emergent 🗵		Scrub-shrub ⊠	F	orested □
Open Water □		Disturbed □		/et Meadow □
Comments:				
WATERCOURCE TYPE				
WATERCOURSE TYPE:  Perennial □		Intermittent □	F	 phemeral □
Watercourse Name:		memment 🗆		
Comments:				
SPECIAL AQUATIC HAB				
Vernal Pool : Yes ⊠ No			O	ther
Vernal Pool Habitat Type Comments:VP7	: Cia	SSIC		
Commente. VI 7				
WETLAND SOIL TYPE (s	s):			
Soil Types: Ridgebury, Le	eicest	er, and Whitman		
DOMINANT PLANTS:				
Sweet Pepperbush (Cle	athers	a alnifolia)		
Highbush Blueberry (Va				
Wool Grass (Scirpus cy		·		
Buttonbush (Cephalant				
Common Reed* (Phrag	mites	australis)		
Fox Grape (Vitis labrus				
* denotes Connecticut Invas	sive S	pecies Council invasive plant spec	cies	
GENERAL COMMENTS:				
1				

Wetland I.D.:	49					
WETLAND HYDROLOGY						
Intermittently Flooded □	•	Artificially Flooded □	I	Permanently Flooded □		
<u> </u>		Seasonally Flooded ⊠		Temporarily Flooded □		
Permanently Saturated		Seasonally Saturated/seepage		Seasonally Saturated/perched □		
Comments: None						
WETLAND TYPE:			_			
Emergent ⊠		Scrub-shrub ⊠		rested		
Open Water □		Disturbed □	We	et Meadow □		
Comments:						
WATERCOURSE TYPE:						
Perennial		Intermittent □	Epl	hemeral □		
Watercourse Name:						
Comments:						
ODECIAL ACUATIONAD	.T.A.T.					
SPECIAL AQUATIC HABI Vernal Pool : Yes ⊠ No			Oth	Other		
Vernal Pool Habitat Type			Oti			
Comments: VP8	. Cla	55IC				
Commente. VI C						
WETLAND SOIL TYPE (s)	):					
Soil Types: Ridgebury, Le	eicest	er, and Whitman				
DOMINANT DI ANTO						
DOMINANT PLANTS:	41	!-: <b>f</b> -!:-\				
Sweet Pepperbush (Cle Multiflora Rose* (Rosa						
Reed Canarygrass* (Ph						
Buttonbush (Cephalanti						
Sensitive Fern (Onoclea						
Fox Grape (Vitis labruse		oibilio)				
		pecies Council invasive plant speci	es			
	,,,,,	poolee countin invaon e plant speed.				
GENERAL COMMENTS:						
1						

Wetland I.D.:	50			
WETLAND HYDROLOGY				
Intermittently Flooded □		Artificially Flooded □		Permanently Flooded □
-		Seasonally Flooded □		Temporarily Flooded □
Permanently Saturated		Seasonally Saturated/seepag	ae 🏻	Seasonally Saturated/perched
Comments: None		- Codocitany Cataratou/Coopa,	90 📇	Codochaily Catalated/perolica
WETLAND TYPE:				
Emergent ⊠		Scrub-shrub ⊠		orested
Open Water □		Disturbed □	V	Vet Meadow □
Comments:				
WATERCOURSE TYPE:				
Perennial		Intermittent □	E	phemeral □
Watercourse Name:			•	
Comments:				
SPECIAL AQUATIC HABI				Mh a n 🖂
Vernal Pool : Yes ⊠ No				Other 🗆
Vernal Pool Habitat Type Comments: VP9 and VP1		SSIC		
Comments. VF9 and VF1	10			
WETLAND SOIL TYPE (s)	):			
Soil Types: Ridgebury, Le	eicest	er, and Whitman		
DOMINANT PLANTS:				
Sweet Pepperbush (Cle				
Multiflora Rose* (Rosa ı		,		
Highbush Blueberry (Va				
Buttonbush (Cephalanti	nus o	ccidentalis)		
Goldenrod (Solidago) Soft Rush (Juncus effus	200)			
		l pecies Council invasive plant sp	necies	
denotes connecticul invas	ive o	pecies Council invasive plant sp	Jecies	
GENERAL COMMENTS:				

Wetland I.D.: 5	51					
WETLAND HYDROLOGY:						
Intermittently Flooded □		Artificially Flooded □	Artificially Flooded □			
,		Seasonally Flooded ⊠		Permanently Flooded ⊠  Temporarily Flooded □		
Permanently Saturated		Seasonally Saturated/seepage	$\boxtimes$	Seasonally Saturated/perched □		
Comments: None		, , ,				
WETLAND TYPE:		0	1 -			
Emergent ⊠		Scrub-shrub ⊠	+	orested		
Open Water □		Disturbed □	W	/et Meadow □		
Comments:						
WATERCOURSE TYPE:						
Perennial □		Intermittent ⊠	E	phemeral □		
Watercourse Name: None	;					
Comments: S26						
CDECIAL AQUATIC HADI	T A T.					
SPECIAL AQUATIC HABIT Vernal Pool : Yes ⊠ No □				Other □		
Vernal Pool Habitat Type:			I U			
Comments: VP11	Cla	5510				
Comments. VI II						
WETLAND SOIL TYPE (s):	:					
Soil Types: Ridgebury, Lei	icest	er, and Whitman				
DOMINANT PLANTS:						
Skunk Cabbage (Symple						
Multiflora Rose* (Rosa m						
Highbush Blueberry (Vac		, , , , , , , , , , , , , , , , , , ,				
Coldonard (Colidona)	nites	australis)				
Goldenrod (Solidago)	ء داء	inn				
Cinnamon Fern (Osmun			•			
* denotes Connecticut Invasi	ve S	pecies Council invasive plant speci	es			
GENERAL COMMENTS:						
CENTERAL COMMENTO:						

Wetland I.D.: 5	52				
WETLAND HYDROLOGY:	•				
Intermittently Flooded □		Artificially Flooded □	Permanently	 Flooded □	
Semipermanently Flooded		Seasonally Flooded ⊠	Temporarily F		
Permanently Saturated		Seasonally Saturated/seepage	· · · · · · · · · · · · · · · · · · ·	aturated/perched □	
Comments: None		, , , , ,			
WETLAND TYPE:					
Emergent 🗵		Scrub-shrub ⊠	Forested		
Open Water □		Disturbed □	Wet Meadow □		
Comments:		Dictarged E	· · ot moddow 🗀		
WATERCOURSE TYPE:  Perennial □		Into wealthout [	<b>F</b>		
		Intermittent □	Epnemerai ⊔	hemeral □	
Watercourse Name: None	<del>)</del>				
Comments:					
SPECIAL AQUATIC HABI	TAT:				
Vernal Pool : Yes ⊠ No I			Other □		
Vernal Pool Habitat Type:	: 'Cla	ssic'			
Comments: VP12				_	
WETLAND SOIL TYPE (s)	:				
Soil Types: Brayton	<u>-                                      </u>				
, , , , , , , , , , , , , , , , , , ,					
DOMINANT PLANTS:					
Buttonbush (Cephalanth					
Multiflora Rose* (Rosa r		lora)			
Winterberry (Ilex verticill		- :L :I: - \			
Sensitive Fern (Onoclea	sen	SIDIIIS)			
Goldenrod (Solidago) Cinnamon Fern (Osmur	,do 0	innamamaa)			
		pecies Council invasive plant speci			
denotes connectical invasi	, vc 0	pecies Council invasive plant speci	,		
GENERAL COMMENTS:				_	

Т				
Wetland I.D.: 53				
WETLAND HYDROLOGY:				
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □		
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □		
Permanently Saturated □	Seasonally Saturated/seepage			
Comments: None	, , , , , ,	,		
WETLAND TYPE:				
Emergent ⊠	Scrub-shrub ⊠	Forested		
Open Water □	Disturbed □	Wet Meadow □		
Comments:				
WATERCOURSE TYPE.				
WATERCOURSE TYPE:  Perennial □	Intermittent □	Ephemeral □		
Watercourse Name: None		<u> Ернетича</u>		
Comments:				
Commente				
SPECIAL AQUATIC HABITAT				
Vernal Pool : Yes ⊠ No □ P		Other		
Vernal Pool Habitat Type: 'Cla Comments: VP13	SSIC'			
Comments. VP13				
WETLAND SOIL TYPE (s):				
Soil Types: Ridgebury, Leicest	er, and Whitman			
DOMINANT PLANTS:				
Buttonbush (Cephalanthus o Multiflora Rose* (Rosa multif				
Winterberry (Ilex verticillata)	iora)			
Common Buckthorn* (Rham	nus cathartica)			
Goldenrod (Solidago)				
Red Maple (Acer rubrum)				
* denotes Connecticut Invasive S	pecies Council invasive plant specie	es .		
CENEDAL COMMENTO.				
GENERAL COMMENTS:				

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Wetland I.D.: 54				
WETLAND HYDROLOGY:				
Intermittently Flooded □	Artificially Flooded □ Permanently Flooded □			
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □		
Permanently Saturated □	Seasonally Saturated/seepage			
Comments: None	, , , , , , , , , , , , , , , , , , , ,	,		
WETLAND TYPE:				
Emergent ⊠	Scrub-shrub ⊠	Forested		
Open Water □	Disturbed □	Wet Meadow □		
Comments:				
WATERCOURSE TYPE				
WATERCOURSE TYPE:  Perennial □	Intermittent □	Ephemeral □		
Watercourse Name: None	memilitent 🗆			
Comments:				
Comments.				
SPECIAL AQUATIC HABITAT				
Vernal Pool : Yes ☐ No ☐ P		Other □		
Vernal Pool Habitat Type: Nor	ie .			
Comments: None				
WETLAND SOIL TYPE (s):				
Soil Types: Brayton				
, , , ,				
DOMINANT PLANTS:				
Common Reed* (Phragmites				
Common Cattail (Typha latif	olia)			
Winterberry (Ilex verticillata) Common Buckthorn* (Rham	nus cathartica)			
Goldenrod (Solidago)	ilus catilaitica)			
Fox Grape (Vitis labrusca)				
* denotes Connecticut Invasive S	pecies Council invasive plant specie			
	peolee courron invaore plant opeole			
GENERAL COMMENTS:				

Wetland I.D.:	55				
WETLAND HYDROLOGY:	•				
Intermittently Flooded □					
Semipermanently Flooded	d $\square$			Temporarily Flooded □	
Permanently Saturated		Seasonally Saturated/seepage	$\boxtimes$	Seasonally Saturated/perched □	
Comments: None					
WETLAND TYPE:		Comple obrigh M	Гга		
Emergent ⊠		Scrub-shrub ⊠		orested	
Open Water □		Disturbed □	VV	/et Meadow □	
Comments:					
WATERCOURSE TYPE:					
Perennial		Intermittent □	Εŗ	phemeral □	
Watercourse Name: None	9				
Comments:					
SPECIAL AQUATIC HABI	ТΛТ.				
Vernal Pool : Yes  No			O	ther □	
Vernal Pool Habitat Type:					
Comments: None	. 14011				
WETLAND SOIL TYPE (s)	):				
Soil Types: Brayton					
DOMINANT PLANTS:					
Common Reed* (Phragi	mites	australis)			
Common Cattail (Typha					
Purple Loosestrife* (Lytl				_	
Common Buckthorn* (R					
Goldenrod (Solidago)		,			
Fox Grape (Vitis labruso	ca)				
		pecies Council invasive plant speci	es	_	
		•			
<b>GENERAL COMMENTS:</b>					

Wetland I.D.: 56					
WETLAND HYDROLOGY:					
Intermittently Flooded □					
Semipermanently Flooded □	Seasonally Floode		Temporarily Flooded □		
Permanently Saturated □	Seasonally Satura		Seasonally Saturated/perched □		
Comments: None	,	1 3	, ,		
METI AND TYPE					
WETLAND TYPE:  Emergent ⊠	Scrub-shrub ⊠	1 6	Forested		
Open Water □	Disturbed		Vet Meadow □		
Comments:	Disturbed 🗆	v	vet Meadow 🗆		
Comments.					
WATERCOURSE TYPE:					
Perennial	Intermittent □	E	phemeral □		
Watercourse Name: None					
Comments:					
SPECIAL AQUATIC HABITAT	•				
Vernal Pool : Yes □ No □ P			Other □		
Vernal Pool Habitat Type: Nor		l .			
Comments: None					
WETLAND SOIL TYPE (s):					
Soil Types: Brayton					
oon Typee. Brayten					
DOMINANT PLANTS:					
Common Reed* (Phragmites		Skunk Cabbage (Symplocarpus foetidus)			
Common Cattail (Typha latifo					
Purple Loosestrife* (Lythrum					
Common Buckthorn* (Rham					
Sweet Pepperbush (Clethera	a alnifolia)				
Fox Grape (Vitis labrusca)					
* denotes Connecticut Invasive S	pecies Council invasi	ive plant species			
GENERAL COMMENTS:					
SENERAL COMMENTS:					
1					

Wetland I.D.: 57					
WETLAND HYDROLOGY:					
Intermittently Flooded □	Artificially Flooded		Permanently Flooded □		
Semipermanently Flooded □	Seasonally Floode		Temporarily Flooded □		
Permanently Saturated □	Seasonally Satura		Seasonally Saturated/perched □		
Comments: None	, ,	1 3 -			
METI AND TYPE					
WETLAND TYPE:  Emergent ⊠	Scrub-shrub ⊠	1 6	Forested		
Open Water □	Disturbed		Vet Meadow □		
Comments:	Disturbed 🗆		vet Meadow 🗆		
Comments.					
WATERCOURSE TYPE:		Ī			
Perennial	Intermittent □	E	phemeral □		
Watercourse Name: None					
Comments:					
SPECIAL AQUATIC HABITAT:	<u>.</u>				
Vernal Pool : Yes □ No □ P			Other □		
Vernal Pool Habitat Type: Non					
Comments: None					
WETI AND COIL TYPE (a).					
WETLAND SOIL TYPE (s): Soil Types: Catden and Freeto	wn				
Con Types. Catternand Treete	YVVII				
DOMINANT PLANTS:					
Common Reed* (Phragmites	australis)	Soft Rush (Juncus effuses)			
Goldenrod (Solidago)	·	•	·		
Red Maple (Acer rubrum)					
Common Buckthorn* (Rham					
Sweet Pepperbush (Clethera	a alnifolia)				
Fox Grape (Vitis labrusca)					
* denotes Connecticut Invasive S	pecies Council invasi	ive plant species			
GENERAL COMMENTS:					
GENERAL COMMENTS.					

Wetland I.D.: 58					
WETLAND HYDROLOGY:					
Intermittently Flooded □	Artificially Flooded	Permanently Flooded □			
Semipermanently Flooded □	Seasonally Floode		Temporarily Flooded □		
Permanently Saturated ⊠	Seasonally Satura		Seasonally Saturated/perched □		
Comments: None	,	1 5	, ,		
WETLAND TYPE:	Scrub-shrub ⊠	Te	orested		
Emergent ⊠					
Open Water   Comments:	Disturbed □	Į V	Vet Meadow □		
Comments:					
WATERCOURSE TYPE:					
Perennial ⊠	Intermittent □	E	phemeral □		
Watercourse Name: Trading	Cove Brook				
Comments: S27					
SPECIAL AQUATIC HABITAT	<b>-</b> .				
Vernal Pool : Yes  No  F		1	Other □		
Vernal Pool Habitat Type: No			70101		
Comments: None					
WETLAND SOIL TYPE (s):	-l				
Soil Types: Timakwa and Nat	cnaug				
DOMINANT PLANTS:					
Highbush Blueberry (Vaccir	ium corymbosum)	Soft Rush (Ju	ıncus effuses)		
Goldenrod (Solidago)	,	,			
Red Maple (Acer rubrum)					
Reed Canarygrass* (Phalar	is arundinacea)				
Sweet Pepperbush (Clether	a alnifolia)				
Fox Grape (Vitis labrusca)					
* denotes Connecticut Invasive	Species Council invasi	ive plant species			
OFNEDAL COMMENTO					
GENERAL COMMENTS:					

Wetland I.D.: 59					
WETLAND HYDROLOGY:					
Intermittently Flooded □	Artificially Flooded □ Permanently Flooded □				
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □			
Permanently Saturated □	Seasonally Saturated/seepage				
Comments: None	, , ,	, ,			
METI AND TYPE					
WETLAND TYPE:  Emergent ⊠	Scrub-shrub ⊠	Forested □			
Open Water □	Disturbed □	Wet Meadow □			
Comments:	Disturbed [	Wet Meadow 🗆			
Comments.					
WATERCOURSE TYPE:					
Perennial	Intermittent ⊠	Ephemeral □			
Watercourse Name: None					
Comments: S28					
SPECIAL AQUATIC HABITA	Γ:				
Vernal Pool : Yes □ No □		Other □			
Vernal Pool Habitat Type: No					
Comments: None					
WETLAND SOIL TYPE (s):					
Soil Types: Ridgebury, Leices	ster and Whitman				
con Types: Magestary, Estest	3.01, 3.113 11.113.113.1				
DOMINANT PLANTS:					
Multiflora Rose* (Rosa mult	iflora)				
Goldenrod (Solidago)					
Common Buckthorn* (Rhar	,				
Sensitive Fern (Onoclea se	nsibilis)				
Lurid Sedge (Carex lurida)					
Fox Grape (Vitis labrusca)					
* denotes Connecticut Invasive	Species Council invasive plant specie	es			
GENERAL COMMENTS:					
CERTIFIC COMMERTIO:					
1					

Wetland I.D.: 60					
WETLAND HYDROLOGY:					
Intermittently Flooded □					
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □			
Permanently Saturated □	Seasonally Saturated/seepage 🗵	<u> </u>			
Comments: None	, ,	, ,			
WETLAND TYPE:					
Emergent ⊠	Scrub-shrub ⊠	Forested			
Open Water □	Disturbed □	Wet Meadow □			
Comments:	1				
WATERCOURSE TYPE					
WATERCOURSE TYPE:  Perennial □	Intermittent □	Ephemeral □			
Watercourse Name: None	intermittent 🗆	Epitemeral 🗆			
Comments:					
Comments.					
SPECIAL AQUATIC HABITAT:					
Vernal Pool : Yes ⊠ No □ Po		Other □			
Vernal Pool Habitat Type: 'Cla Comments: VP14	ssic'				
Comments. VP14					
WETLAND SOIL TYPE (s):					
Soil Types: Timakwa and Natc	haug				
DOMINIANT DI ANTO					
DOMINANT PLANTS: Sweet Pepperbush (Clethera	a alnifolia)				
Highbush Blueberry (Vaccini					
Wool Grass (Scirpus cyperin					
Sensitive Fern (Onoclea sen					
Soft Rush (Juncus effuses)					
Fox Grape (Vitis labrusca)					
* denotes Connecticut Invasive S	pecies Council invasive plant specie	es			
GENERAL COMMENTS:					

Wetland I.D.: 61			
WETLAND HYDROLOGY:			
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □	
Semipermanently Flooded □	Seasonally Flooded □	Temporarily Flooded □	
Permanently Saturated □	Seasonally Saturated/seepage		
Comments: None	, , ,	,	
WETLAND TYPE:			
Emergent ⊠	Scrub-shrub ⊠	Forested	
Open Water □	Disturbed □	Wet Meadow □	
Comments:	Diotaised L	Wet Moddow 🗆	
Commonio.			
WATERCOURSE TYPE:			
Perennial	Intermittent □	Ephemeral □	
Watercourse Name: None			
Comments:			
SPECIAL AQUATIC HABITAT	:		
Vernal Pool : Yes □ No □ P	otential □	Other □	
Vernal Pool Habitat Type: Nor	ne		
Comments: None			
WETLAND SOIL TYPE (s):			
Soil Types: Ridgebury, Leices	ter. and Whitman		
,,	,		
DOMINANT PLANTS:			
Common Reed* (Phragmites			
Highbush Blueberry (Vaccin			
Mugwort* (Artemisia vulgaris			
Sensitive Fern (Onoclea ser			
Poison Ivy (Toxicodendron r	adicans)		
Fox Grape (Vitis labrusca)			
* denotes Connecticut Invasive S	pecies Council invasive plant specie	s	
GENERAL COMMENTS:			
SEIVER SOMMENTS.			
		!	
		,	
1			

Wetland I.D.:	62				
WETLAND HYDROLOGY	•				
ntermittently Flooded □ Artificially Flooded □ Permanently Flooded □					
Semipermanently Floode	d □	-		Temporarily Flooded □	
Permanently Saturated		Seasonally Saturated/seepage		Seasonally Saturated/perched □	
Comments: None		, , ,	I	,	
WETLAND TYPE:					
Emergent 🗵		Scrub-shrub ⊠	For	rested $\square$	
Open Water □		Disturbed	+	et Meadow □	
Comments:		Distarbed 🗆	1 440	Noddow 🗆	
WATERCOURSE TYPE:			Ι-		
Perennial		Intermittent	Ep	hemeral □	
Watercourse Name: None	e				
Comments:					
SPECIAL AQUATIC HABI	ITAT:				
Vernal Pool : Yes ☐ No			Oth	Other □	
Vernal Pool Habitat Type	: Non	e			
Comments: None					
WETLAND SOIL TYPE (s)	):				
Soil Types: Ridgebury, Le		er, and Whitman			
DOMINANT PLANTS:					
Common Reed* (Phrag	mites	australis)			
Goldenrod (Solidago)		5 (1.1.)			
Skunk Cabbage (Symple	locar	ous foetidus)			
Sensitive Fern (Onoclea Multiflora Rose* (Rosa					
Waltimora 11000 (1100a 1	mann	iora)			
* denotes Connecticut Invas	sive S	pecies Council invasive plant speci	es		
GENERAL COMMENTS:				_	

Wetland I.D.: 6	3			
WETLAND HYDROLOGY:				
Intermittently Flooded ☐ Artificially Flooded ☐ Permanently Flooded ☐				
Semipermanently Flooded	<u> </u>			emporarily Flooded □
Permanently Saturated		Seasonally Saturated/seepage		easonally Saturated/perched □
Comments: None				
WETLAND TYPE:		Comple alomate M		1 - 1   7
Emergent		Scrub-shrub ⊠		ested 🗵
Open Water □		Disturbed □	Wet	Meadow □
Comments:				
WATERCOURSE TYPE:				
Perennial		Intermittent □	Eph	emeral □
Watercourse Name: None	;			
Comments:				
ODECIAL ACUATIO HADI	- A T			
SPECIAL AQUATIC HABIT Vernal Pool : Yes ⊠ No □			Otho	or $\square$
Vernal Pool Habitat Type:			Other	
Comments: VP15	Ola	3310		
WETLAND SOIL TYPE (s):				
Soil Types: Ridgebury, Lei	icest	er, and Whitman		
DOMINANT PLANTS:				
Common Reed* (Phragn	nites	australis)		
Greenbrier (Smilax rotun				
Skunk Cabbage (Symple				
Black Cherry (Prunus se				
Red Maple (Acer rubrum				
Fox Grape (Vitis labrusca				
* denotes Connecticut Invasi	ve S	pecies Council invasive plant specie	s	
GENERAL COMMENTS:				

[14, 41, 14, 15]					
Wetland I.D.: 64					
WETLAND HYDROLOGY:					
Intermittently Flooded □					
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □			
Permanently Saturated □	Seasonally Saturated/seepage	<u> </u>			
Comments: None	, , ,	,			
WETLAND TYPE:					
Emergent □	Scrub-shrub ⊠	Forested ⊠			
Open Water □	Disturbed □	Wet Meadow □			
Comments:					
WATERCOURSE TYPE:					
Perennial 🛛	Intermittent □	Ephemeral □			
Watercourse Name: Stony Bro		Epitemeral E			
Comments: S29					
SPECIAL AQUATIC HABITAT:					
Vernal Pool : Yes ☐ No ☒ P		Other □			
Vernal Pool Habitat Type: Non Comments: None	e				
Comments. None					
WETLAND SOIL TYPE (s):					
Soil Types: Ridgebury, Leicest	er, and Whitman				
DOMINANT PLANTS:					
Common Reed* (Phragmites	australis)				
Greenbrier (Smilax rotundifo					
Skunk Cabbage (Symplocary	ous foetidus)				
Black Cherry (Prunus serotin	a)				
Red Maple (Acer rubrum) Fox Grape (Vitis labrusca)					
	 pecies Council invasive plant specie	Je			
denotes connectical invasive of	occies Courier invasive plant specie	3			
GENERAL COMMENTS:					

Wetland I.D.:	65				
WETLAND HYDROLOGY	<b>'</b> •				
Intermittently Flooded □ Artificially Flooded □ Permanently Flooded □					
Semipermanently Floode	.d □	<u> </u>		Temporarily Flooded □	
Permanently Saturated		Seasonally Saturated/seep	age 🛛	Seasonally Saturated/perched	
Comments: None		Codomany Cataratourocop	ago 🖂	Ocasorially Cataratea/peroried	
Commenter Heric					
WETLAND TYPE:					
Emergent ⊠		Scrub-shrub ⊠	F	orested	
Open Water □		Disturbed □	V	Vet Meadow □	
Comments:					
WATERCOURSE TYPE:					
Perennial		Intermittent □	ΙE	phemeral □	
Watercourse Name: None	<u>—</u>	1	-	4 <del>-</del>	
Comments:					
SPECIAL AQUATIC HAB			1		
Vernal Pool : Yes ☐ No			C	Other □	
Vernal Pool Habitat Type	: Non	е			
Comments: None					
WETLAND SOIL TYPE (s	):				
Soil Types: Ridgebury, Le		er, and Whitman			
<u> </u>		,			
DOMINANT PLANTS:					
Common Reed* (Phrag					
Sensitive Fern (Onoclea		,			
Skunk Cabbage (Symp					
Highbush Blueberry (Va		um corymbosum)			
Red Maple (Acer rubrur					
Soft Rush (Juncus effus					
* denotes Connecticut Invas	sive S	pecies Council invasive plant s	species		
GENERAL COMMENTS:					
GENERAL COMMENTS:					

Wetland I.D.: 6	6			
WETLAND HYDROLOGY:				
T T		Artificially Flooded □	Pe	ermanently Flooded □
Semipermanently Flooded	П	Seasonally Flooded □		emporarily Flooded □
Permanently Saturated		Seasonally Saturated/seepage		easonally Saturated/perched □
Comments: None		Codecitally Catalated, Coopage 2	3   00	baseriany catarates, perenea 🗆
Commente. Hone				
WETLAND TYPE:				
Emergent ⊠		Scrub-shrub ⊠	Fore	sted □
Open Water □		Disturbed □ W		Meadow □
Comments:				
WATERCOURSE TYPE:				
Perennial		Intermittent □	Ephe	emeral □
Watercourse Name: None				
Comments:				
SPECIAL AQUATIC HABIT				
Vernal Pool : Yes ☐ No ☑			Other □	
Vernal Pool Habitat Type:	Non	e		
Comments: None				
WETLAND SOIL TYPE (s):	! :			
Soil Types: Ridgebury, Lei		er, and Whitman		
<u> </u>		•		
DOMINANT PLANTS:				
Highbush Blueberry (Vac				
Sensitive Fern (Onoclea		,		
Skunk Cabbage (Symplo				
Multiflora Rose* (Rosa m	nultif	lora)		
Red Maple (Acer rubrum				
Meadowsweet (Spiraea I				
* denotes Connecticut Invasi	ve S	pecies Council invasive plant specie	s	
OFNEDAL COMMENTO				
GENERAL COMMENTS:				
I				

Wetland I.D.:	67			
WETLAND HYDROLOG	<b>Y</b> :			
Intermittently Flooded □		Artificially Flooded		Permanently Flooded □
Semipermanently Flood		Seasonally Flooded		Temporarily Flooded □
Permanently Saturated		Seasonally Saturate		Seasonally Saturated/perched □
Comments: None		,	<u> </u>	
METI AND TYPE				
WETLAND TYPE:  Emergent ⊠		Scrub-shrub ⊠	Scrub-shrub ⊠ Forested □	
Open Water □				Wet Meadow □
Comments:		Distuibed 🗆		/vet ivieadow 🗆
Comments.				
WATERCOURSE TYPE:				
Perennial		Intermittent ⊠	I	Ephemeral □
Watercourse Name: No				
Comments: S30 and S3	1			
SPECIAL AQUATIC HAE	BITAT:			
Vernal Pool : Yes ☐ No	o ⊠ P	otential □	(	Other □
Vernal Pool Habitat Typ	e: Non	е	•	
Comments: None				
WETLAND SOIL TYPE (	e).			
Soil Types: Ridgebury, L		er. and Whitman		
,, <u>,</u>				
DOMINANT PLANTS:				
Highbush Blueberry (V		um corymbosum)		
Fox Grape (Vitis labrus		<b>.</b>		
Skunk Cabbage (Sym				
Multiflora Rose* (Rosa Goldenrod (Solidago)	HIUIUI	iora)		
Mugwort* (Artemisia v	ulaaria	1		
* denotes Connecticut Inva			e nlant snecies	•
denotes connectical inve	10/10 0	pedied edulidii ilivadiiv	e pram opeoies	
GENERAL COMMENTS:	1			

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Wetland I.D.: 68		
WETLAND HYDROLOGY:		
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □
Permanently Saturated	Seasonally Saturated/seepage 🗵	
Comments: None	, , ,	,
WETLAND TYPE:		
Emergent 🗵	Scrub-shrub ⊠	Forested
Open Water □	Disturbed □	Wet Meadow □
Comments:	Disturbed 🗆	vet weadow =
Comments.		
WATERCOURSE TYPE:		
Perennial	Intermittent □	Ephemeral □
Watercourse Name: None		
Comments:		
SPECIAL AQUATIC HABITAT	:	
Vernal Pool : Yes □ No ⊠ P		Other □
Vernal Pool Habitat Type: Nor	ne	
Comments: None		
WETLAND SOIL TYPE (s):		
Soil Types: Ridgebury, Leices	ter and Whitman	
DOMINANT PLANTS:		
Highbush Blueberry (Vaccin	ium corymbosum)	
Fox Grape (Vitis labrusca)		
Skunk Cabbage (Symplocar		
Sensitive Fern (Onoclea ser	sibilis)	
Goldenrod (Solidago)		
Soft Rush (Juncus effuses)		
* denotes Connecticut Invasive S	Species Council invasive plant specie	S
GENERAL COMMENTS:		
GENERAL COMMENTS.		

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Wetland I.D.: 69			
WETLAND HYDROLOGY:			
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □	
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □	
Permanently Saturated	Seasonally Saturated/seepage		
Comments: None	, ,		
WETLAND TYPE:			
Emergent 🗵	Scrub-shrub ⊠	Forested	
Open Water □	Disturbed □	Wet Meadow □	
Comments:			
WATERCOURSE TYPE:  Perennial □	Intermittent □	Ephemeral □	
Watercourse Name: None			
Comments:			
Comments.			
SPECIAL AQUATIC HABITAT			
Vernal Pool : Yes ⊠ No □ P		Other □	
Vernal Pool Habitat Type: 'Cla	ssic'	_	
Comments: VP16			
WETLAND SOIL TYPE (s):			
Soil Types: Raypol			
31 31			
DOMINANT PLANTS:			
Highbush Blueberry (Vaccini	um corymbosum)		
Fox Grape (Vitis labrusca)	- \		
Tussock Sedge (Carex strict Sensitive Fern (Onoclea sen			
Goldenrod (Solidago)	Sibilis)		
Bur-reed (Sparganium euryc	arnum)		
	pecies Council invasive plant specie	25	
	peolee courron invaore plant opeole		
GENERAL COMMENTS:			

Wetland I.D.: 70			
WETLAND HYDROLOGY:			
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □	
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □	
Permanently Saturated □	Seasonally Saturated/seepage	· · ·	
Comments: None	, ,	,	
WETLAND TYPE:			
Emergent ⊠	Scrub-shrub ⊠	Forested	
Open Water □	Disturbed □	Wet Meadow □	
Comments:			
WATER COURSE TYPE			
WATERCOURSE TYPE:  Perennial □	Intermittent ⊠	Ephemeral □	
Watercourse Name:		Ephemeral 🗆	
Comments: S32A			
Comments. 332A			
SPECIAL AQUATIC HABITAT:			
Vernal Pool : Yes □ No ⊠ P		Other □	
Vernal Pool Habitat Type: Non	e		
Comments:			
WETLAND SOIL TYPE (s):			
Soil Types: Walpole			
Con Types. Waipoic			
DOMINANT PLANTS:			
Multiflora Rose* (Rosa multif	lora)		
Fox Grape (Vitis labrusca)			
Greenbrier (Smilax rotundifo			
Sensitive Fern (Onoclea sen	sibilis)		
Goldenrod (Solidago)			
Silky Dogwood (Cornus amo	mum)		
* denotes Connecticut Invasive S	pecies Council invasive plant specie	es :	
GENERAL COMMENTS:			
GENERAL COMMENTS.			

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Wetland I.D.: 71			
WETLAND HYDROLOGY:			
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □	
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □	
Permanently Saturated □	Seasonally Saturated/seepage		
Comments: None	, , , , , ,	·	
WETLAND TYPE:			
Emergent ⊠	Scrub-shrub ⊠	Forested	
Open Water □	Disturbed □	Wet Meadow □	
Comments:			
WATERCOURGE TYPE			
WATERCOURSE TYPE:  Perennial ⊠	Intermittent □	 Ephemeral □	
Watercourse Name: Mohegan		<u> Ернешегаг</u>	
Comments: S32	BIOOK		
Comments: CO2			
SPECIAL AQUATIC HABITAT:			
Vernal Pool : Yes □ No ⊠ P		Other □	
Vernal Pool Habitat Type: Non	e		
Comments:			
WETLAND SOIL TYPE (s):			
Soil Types: Ridgebury, Leicest	er, and Whitman		
DOMINANT PLANTS:			
Red Maple (Acer rubrum)			
Fox Grape (Vitis labrusca)			
Skunk Cabbage (Symplocar	ous foetidus)		
Sensitive Fern (Onoclea sen	sibilis)		
Goldenrod (Solidago)	,		
Silky Dogwood (Cornus amo			
^ denotes Connecticut Invasive S	pecies Council invasive plant specie	S	
GENERAL COMMENTS:			

Wetland I.D.:	72			
WETLAND HYDROLOGY				
		Artificially Flooded □		Permanently Flooded □
1		Seasonally Flooded	]	Temporarily Flooded □
Permanently Saturated		Seasonally Saturated/		Seasonally Saturated/perched
Comments: None				j concensus, concensus, por energia
WETLAND TYPE:				
Emergent ⊠		Scrub-shrub ⊠		Forested
Open Water □		Disturbed □	\ \ \	Wet Meadow □
Comments:				
WATERCOURSE TYPE:				
Perennial		Intermittent □	E	Ephemeral □
Watercourse Name: None	е			
Comments:				
CDECIAL ACUATIC HADI	T A T.			
SPECIAL AQUATIC HABI  Vernal Pool : Yes □ No			1	 Other □
Vernal Pool Habitat Type:				
Comments:	. INOII	<u>C</u>		
WETLAND SOIL TYPE (s)				
Soil Types: Ridgebury, Le	eicest	er, and Whitman		
DOMINANT DI ANTO				
DOMINANT PLANTS:  Sensitive Fern (Onoclea	a con	eihilie)		
Fox Grape (Vitis labruse		Sibilis)		
Skunk Cabbage (Sympl		ous foetidus)		
Reed Canarygrass* (Ph				
Goldenrod (Solidago)				
Virginia Creeper (Parthe	enosi	sus quinquefolia)		
* denotes Connecticut Invas	ive S	pecies Council invasive p	olant species	
GENERAL COMMENTS:				

Wetland I.D.: 73					
WETLAND HYDROLOGY:					
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □			
Semipermanently Flooded □	Seasonally Flooded ⊠	Temporarily Flooded □			
Permanently Saturated □	Seasonally Saturated/seepage ⊠	·			
Comments: None	, , , , , , , , , , , , , , , , , , , ,	,			
METI AND TYPE.					
WETLAND TYPE:  Emergent ⊠	Scrub-shrub ⊠	Forested			
Open Water □		Wet Meadow □			
Comments:	Disturbed 🗆	vvet Meadow 🗆			
Comments.					
WATERCOURSE TYPE:					
Perennial	Intermittent ⊠	Ephemeral □			
Watercourse Name: None					
Comments: S33					
SPECIAL AQUATIC HABITAT:					
Vernal Pool : Yes □ No ☒ P		Other □			
Vernal Pool Habitat Type: Non					
Comments:					
METI AND COU TYPE (-)					
WETLAND SOIL TYPE (s):	or and Whitman				
Soil Types: Ridgebury, Leicest	er, and whitman				
DOMINANT PLANTS:					
Sensitive Fern (Onoclea sen	sibilis)				
Fox Grape (Vitis labrusca)	,				
Hayscented Fern (Dennstae	dtia punctilobula)				
Cinnamon Fern (Osmunda c	innamomea)				
Goldenrod (Solidago)					
Greenbrier (Smilax rotundifo	Greenbrier (Smilax rotundifolia)				
* denotes Connecticut Invasive S	pecies Council invasive plant specie	s			
OFNEDAL COMMENTO					
GENERAL COMMENTS:					

Т			
Wetland I.D.: 74			
WETLAND HYDROLOGY:			
Intermittently Flooded □	Artificially Flooded □	Permanently Flooded □	
Semipermanently Flooded □	Seasonally Flooded □	Temporarily Flooded □	
Permanently Saturated □	Seasonally Saturated/seepage	· · ·	
Comments: None	, , , , , , , , , , , , , , , , , , , ,	,	
WETLAND TYPE:			
Emergent ⊠	Scrub-shrub ⊠	Forested	
Open Water □	Disturbed □	Wet Meadow □	
Comments:			
WATERCOURSE TYPE.			
WATERCOURSE TYPE:  Perennial □	Intermittent □	Ephemeral □	
Watercourse Name: None	mermicon 🗆	<u> Ерненістаї                                    </u>	
Comments:			
Commonte.			
SPECIAL AQUATIC HABITAT			
Vernal Pool : Yes ☐ No ☒ P		Other □	
Vernal Pool Habitat Type: Nor	ne		
Comments:			
WETLAND SOIL TYPE (s):			
Soil Types: Ridgebury, Leicest	er, and Whitman		
31 3	•		
DOMINANT PLANTS:			
Sensitive Fern (Onoclea sen	sibilis)		
Fox Grape (Vitis labrusca)			
Silky Dogwood (Cornus amo			
Cinnamon Fern (Osmunda o Goldenrod (Solidago)	innamomea)		
Skunk Cabbage (Symplocar	nus footidus)		
* denotes Connecticut Invasive S	pus loctidus) pecies Council invasive plant specie	ne.	
demotes commedical invasive s	peoles couling invasive plant specie		
GENERAL COMMENTS:			

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Wetland I.D.: 75			
WETLAND HYDROLOGY:			
Intermittently Flooded □			
Semipermanently Flooded □	Seasonally Flooded □	Permanently Flooded ⊠  Temporarily Flooded □	
Permanently Saturated	Seasonally Saturated/seepage	·	
Comments: None		Geasonally Galaratea/peroned	
Commente. None			
WETLAND TYPE:			
Emergent ⊠	Scrub-shrub ⊠	Forested □	
Open Water □	Disturbed □	Wet Meadow □	
Comments:			
WATERCOURCE TYPE			
WATERCOURSE TYPE:  Perennial ⊠	Intermittent □	Enhamaral 🗆	
Watercourse Name: Horton Co		Ephemeral □	
Comments:	ove (mames River)		
Comments.			
SPECIAL AQUATIC HABITAT:			
Vernal Pool : Yes □ No ⊠ Po	otential □	Other □	
Vernal Pool Habitat Type: Non	e		
Comments:			
WETI AND SOIL TYPE (a).			
WETLAND SOIL TYPE (s):  Soil Types: Westbrook Mucky	Post (provimate)		
3011 Types. Westbrook Wideky	reat (proximate)		
DOMINANT PLANTS:			
High-tide bush (Iva frutescen	s)		
Groundsel tree (Baccharis ha			
Smooth cordgrass (Spartina	alterniflora)		
* denotes Connecticut Invasive S	pecies Council invasive plant specie	28	
denotes connectical invasive of	ocoico Courion invasive piara specie		
GENERAL COMMENTS:			
Tidal wetlands along the fringe	of Horton Cove (Thames River)		





Photo 1: Wetland 42



Photo 2: Wetland 43.



Photo 3: Wetland 44.



Photo 4: Wetland 45.



Photo 5: Wetland 46.



Photo 6: Wetland 47.



Photo 7: Wetland 48.



Photo 8: Wetland 49.



Photo 9: Wetland 50.



Photo 10: Wetland 51.





Photo 11: Wetland 52.



Photo 12: Wetland 53.





Photo 13: Wetland 54.



Photo 14: Wetland 55.





Photo 15: Wetland 56.



Photo 16: Wetland 57.



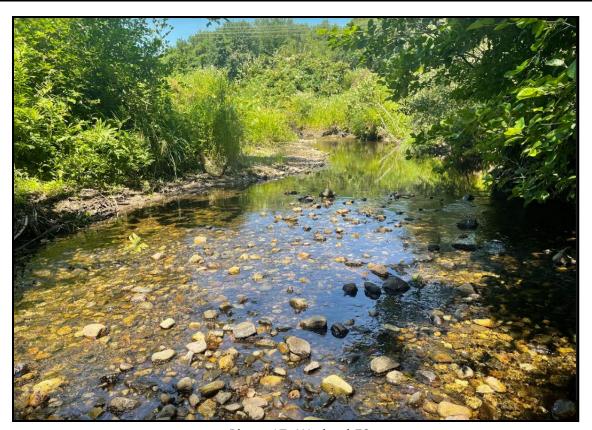


Photo 17: Wetland 58.



Photo 18: Wetland 59.



Photo 19: Wetland 60.



Photo 20: Wetland 61.



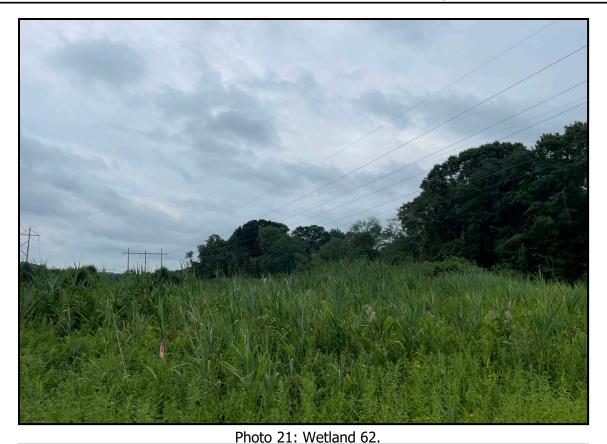




Photo 22: Wetland 63.





Photo 23: Wetland 64.



Photo 24: Wetland 65.



Photo 25: Wetland 66.



Photo 26: Wetland 67.





Photo 27: Wetland 68.



Photo 28: Wetland 69.



Photo 29: Wetland 70.



Photo 30: Wetland 71.



Photo 31: Wetland 72.



Photo 32: Wetland 73.





Photo 33: Wetland 74.



Photo 34: Wetland 75.

Attachment E:

Vernal Pool Survey



Wetland Delineation • Wetland Assessment & Permitting • Wildlife Surveys • Fisheries & Aquatics • GIS Mapping • Forestry

# Vernal Pool Survey Report Wawecus Junction to Montville Junction Structure Replacement and OPGW Project

**Prepared For:** Eversource Energy

56 Prospect Street Hartford, CT 06103 Attn: Mark Pappalardo

Project Location: Norwich and Montville, Connecticut

Prepared By:

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Date: 9/1/2022

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Appendix A: Vernal Pool Photographs

### 1.0 INTRODUCTION

Davison Environmental Wildlife Biologist and Certified Professional Wetland Scientists Eric Davison and Fisheries/Aquatic Biologist Alex Malvezzi conducted vernal pool surveys on April 21, 22, 24 and 25 of 2022. The limits of the survey area consisted of delineated wetlands on the 1080, 1000, 1070, and 1090 Transmission Line right-of-way (ROW), referred to hereafter as the "Project area". The Project area is located within the Towns of Waterford, Montville, and Norwich. The Project originates at Wawecus Junction on the northwestern end of the Project area and runs southeast to the Montville Junction in Montville.

### 2.0 GEOGRAPHICAL SETTING

The Project area is located within The Long Island Sound Coastal Lowland ecoregion (source: U.S. Environmental Protection Agency). This region is the coastal strip occurring in southern Connecticut and Rhode Island that borders Long Island Sound and Block Island Sound. It includes low-elevation rolling coastal plain, tidal marshes, estuaries, sandy dunes and beaches, and rocky headlands. This ecoregion has one of the mildest climates of New England. The coastal hardwood forests contain black, red, and white oaks, hickories, and black cherry. Dense thickets of vines and shrubs such as catbrier, greenbrier, and poison ivy are common. Some Southeastern flora and fauna species of the Piedmont and coastal plain reach their northern limit in this ecoregion, including holly, post oak, sweetgum, and persimmon. On coastal headlands, pitch pine and post oak occur, while some scarlet oak and sassafras stand on stabilized dunes. Parts of the ecoregion are highly urbanized, especially from New Haven westward.

### 3.0 VERNAL POOLS DEFINED

Vernal pools are ephemeral waterbodies that provide critical breeding habitat for forest-dwelling amphibians, particularly mole salamanders (*Ambystoma spp.*) and wood frog (*Lithobates sylvaticus*) as well as a variety of aquatic insects.

Many vernal pool definitions have been developed by both regulatory agencies as well as conservation organizations. While these definitions vary slightly, they all include the same common critical characteristics.

In Northeastern U.S., a recognized source utilized by both the Connecticut Department of Energy and Environmental Protection, as well as the U.S. Army Corp of Engineers New England District (ACOE) regarding the classification and protection of vernal pools is a document developed by

Calhoun and Klemens (2002), entitled: Best development practices: Conserving pool-breeding amphibians in residential and commercial developments in the northeastern United States (the "BDP Manual", hereinafter). The BDP Manual provides the following operational definition of vernal pools:

"Vernal pools are seasonal bodies of water that attain maximum depths in the spring or fall, and lack permanent surface water connections with other wetlands or water bodies. Pools fill with snowmelt or runoff in the spring, although some may be fed primarily by groundwater sources. The duration of surface flooding, known as hydroperiod, caries depending upon the pool and the year; vernal pool hydroperiods range along a continuum from less than 30 days to more than one year. Pools are generally small in size (<2 acres), with the extent of vegetation varying widely. They lack established fish populations, usually as a result of periodic drying, and support communities dominated by animals adapted to living in temporary, fishless pools. In the region, they provide essential breeding habitat for one or more wildlife species including Ambystomid salamanders (Ambystoma spp.), called "mole salamanders" because they live in burrows), wood frogs (Rana sylvatica), and fairy shrimp (Eubranchipus spp.)."

The ACOE Connecticut General Permit (effective December 15, 2021) defines vernal pools as follows: Vernal pools are depressional wetland basins that typically go dry in most years and may contain inlets or outlets, typically of intermittent flow. Vernal pools range in both size and depth depending upon landscape position and parent material(s). In most years, Vernal pools support one or more of the following obligate indicator species: wood frog, spotted salamander, blue-spotted salamander, marbled salamander, Jefferson's salamander and fairy shrimp. However, they should preclude sustainable populations of predatory fish.

The physical characteristics of a vernal pool (e.g., landform, hydrology, vegetation) can vary widely, but can generally be classified into two types - "classic" or "cryptic". Classic vernal pools are natural isolated depressions in forested uplands with no hydrologic connection to other wetland systems. They are generally well-defined (i.e., have an abrupt wetland-upland boundary) and are typically concentric or oblong in shape.

Cryptic vernal pools are depressions or impoundments embedded within larger wetlands. Cryptic vernal pools are the most common type of pool in Connecticut, and often occur within seasonally flooded portions of red maple (*Acer rubrum*) dominated forested wetlands.

#### 4.0 VERNAL POOL INDICATOR SPECIES

Several species of amphibians depend on vernal pools for reproduction and development. These species are referred to as "indicator species" (Calhoun and Klemens, 2002). In Connecticut, indicator species include:

## Mole Salamanders

- Blue-spotted salamander (Ambystoma laterale)
- Spotted salamander (*Ambystoma maculatum*)
- Jefferson salamander (*Ambystoma jeffersonianum*)
- Marbled salamander (*Ambystoma opacum*)

#### <u>Frogs</u>

Wood frog (Lithobates sylvaticus)

#### Invertebrates

• Fairy shrimp (*Branchiopoda anostraca*)

The wood frog and the spotted salamander are the two most common indicator species in Connecticut, occurring statewide. Fairy shrimp also occur statewide but are relatively uncommon.

The marbled salamander is relatively common statewide but is rare or absent from higher elevation areas of the state found within the northwest uplands and highlands as well as the northeast hills ecoregions. Marbled salamanders are known to occur in the vicinity of the Project area (Klemens, et. al. 2021).

Less common indicator species include three State-listed species: the blue-spotted salamander (complex and pure diploid) and Jefferson salamander. These species are habitat specialists that have a more limited distribution in the State than other mole salamanders as described in Klemens et. al. 2021. These species do not occur in the vicinity Project area.

In addition to indicator species, vernal pools also support what are referred to as "facultative vernal pool species." These are species that utilize but do not necessarily require vernal pools for reproductive success. Examples of facultative species include spotted turtle (*Clemmys guttata*) and four-toed salamander (*Hemidactylium scutatum*). These species may breed or feed in vernal pools but are also capable of carrying out all phases of their life cycle in other types of wetlands or waterbodies. Evidence of breeding by facultative species alone is not considered indicative of a vernal pool.

#### 5.0 SEASONAL ACTIVITY PERIODS OF INDICATOR SPECIES

Table 1 summarizes the seasonal activity of vernal pool amphibian indicator species. Most vernal pool indicator species breed in the late winter or early spring (March-April), with newly metamorphosed amphibians emerging from pools in June-July, with dispersal into the adjacent forest continuing into October. The exception to this is the marbled salamander which breeds in late summer and early fall (August-September), with metamorph emergence occurring from May – July. Table 1 also notes the seasonal periods in which vernal pools and vernal pool wildlife are particularly susceptible to impact from construction related activities that occur within or near (i.e., within approximately 100') vernal pools. These seasonal periods, noted as periods of "high sensitivity", include the migration/breeding period and the metamorph emergence/early dispersal periods. During these times, amphibians occur at higher density within or immediately adjacent to the pool. Thus, the risk of impact either via direct mortality or disruption of migration and breeding is greater during the high sensitivity periods.

Table 1: Seasonal activity periods for vernal pool indicator species

	SPRING BREEDERS					
	Wood Frog, Spotted Salamander, Jefferson Salamander, and Blue-spotted Salamander Complex					
NOVEMBER - FEBRUARY Pools are dormant		Pools are dormant				
MARCH - APRIL Migration, breeding and egg deposition		Migration, breeding and egg deposition				
APRIL - JUNE Egg hatching and larval development		Egg hatching and larval development				
	JUNE - OCTOBER Metamorphosis and juvenile dispersal					
Y	MARCH – APRIL	High densities of adults migrating to and from breeding pools				

HIGH SENSITIVITY	MARCH – APRIL	High densities of adults migrating to and from breeding pools
PERIOD 0-100FT	JUNE - JULY	High densities of metamorphs disperse from breeding pools into the adjacent forest

	<b>FALL BREEDERS</b> Marbled Salamander		
AUGUST – SEPTEMBER	Migration, breeding and egg deposition		
NOVEMBER - MAY	Egg hatching and larval development		
MAY - JULY	Metamorphosis and juvenile dispersal		

HIGH SENSITIVITY AUGUST-SEPTEMBER		Adults migrate to breeding pools
PERIOD 0-100FT	MAY - JULY	High densities of metamorphs disperse from breeding pools into the adjacent forest

# 6.0 TERRESTRIAL (NON-BREEDING) HABITAT

Vernal pool wildlife favor terrestrial forested habitat adjacent to vernal pools during the non-breeding period (Colburn, 2004). These habitats are where they shelter and feed beneath surficial cover objects (e.g., rocks, logs) or in fossorial small mammal burrows.

Forests not only provide habitat, but the trees adjacent to vernal pools are critical to vernal pool ecology as they contribute to the food web (via detritus inputs), help maintain cool water temperatures, and affect pool hydrology (Colburn, 2004).

Vernal pool amphibians disperse a significant distance into terrestrial forests surrounding the pool. A number of studies have documented dispersal distances of indicator species (Colburn 2004, Windmiller 1996, Semlitsch 1998). The BDP Manual utilized data from these and other sources to develop a two-zoned management area extending a total distance of 750' surrounding from the vernal pool. These zones are illustrated on Figure 1. The first zone, referred to as the Vernal Pool Envelope includes lands within 100' of the pool's spring high water mark. The spring high water mark is the limit of peak flooding during the late winter or early spring. The second zone, referred to as the Critical Terrestrial Habitat encompasses an area 100'-750' from the pool's spring high water mark.

These management zones provide several ecosystem support functions for vernal pools as illustrated on Figure 1. These include:

- Terrestrial habitat for amphibians
- Juvenile (i.e., newly metamorphosed) dispersal and staging habitat
- Migration and dispersal corridor
- Tree cover which provides
  - Leaf litter inputs as a source for detritus-based food web
  - Shading and hydroperiod influence
  - Contributing watershed (groundwater and surface water input)

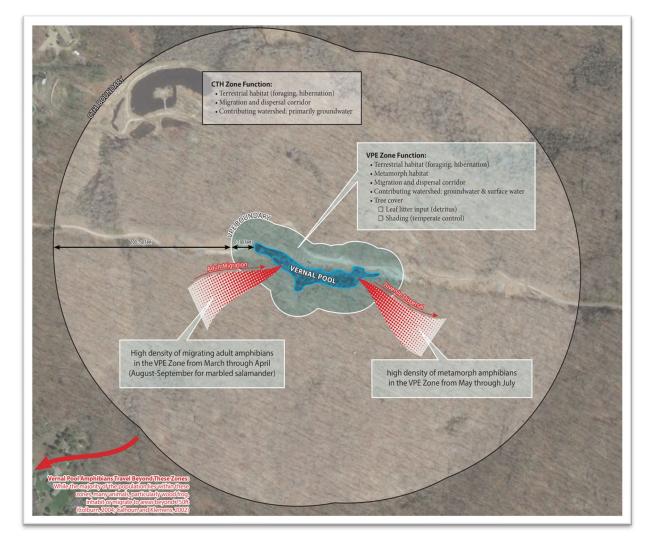


Figure 1: Illustration of vernal pool management zones

## 7.0 SURVEY METHODS

Survey methods were designed to document breeding by amphibian indicator species. The simplest method to accomplish this is to locate and inventory egg masses in the case of spring breeders (e.g., wood frog), and larvae for the fall breeding marbled salamander. This work was done via visual and audial observations, and inventory of organisms inhabiting the water column and benthic habitat using a fine mesh (<1/4 inch) dipnet. Work was conducting under sunny skies wearing polarized sunglasses to maximize detection of egg masses and larvae. Capture and identification of breeding adults was not deemed necessary at this Site, as definitive identification of the breeding species by egg mass was straightforward based on the species that are known to occur in this region. Physical capture of breeding adults is a critical survey method for certain regions of the State where the potential exists for the presence of blue-spotted salamander complex or Jefferson salamander complex, as differentiation of egg masses of these species from

the common spotted salamander is not definitive. At such sites, the capture of breeding adults is warranted. As noted, these rare species do not occur in this region of Connecticut.

Examine of the physical characteristics of the pools included mapping the extent of the pool, characterizing pool hydrology (maximum depth and hydroperiod) and documenting the vegetative characteristics. The extent of the pool, or vernal pool basin boundary, is determined in the late winter-early spring during maximum flooding. This is determined by field locating the "spring high water mark" (Calhoun and Klemens 2002), which consists of demarcated the seasonally flooded portions of the wetland that are directly connected to observed egg masses. This boundary is mapped in the field using a Trimble GPS Unit capable of sub-meter accuracy, then plotted in ArcGIS as illustrated on the Map Set.

### 8.0 RESULTS

All wetlands were inspected for their potential to provide vernal pool habitat. Wetlands with a hydrology ranging from seasonally flooded to semi-permanently flooded were the focus of detailed investigation, as they would have the potential to support full development of amphibian larvae.

In total, ten vernal pools were observed within the Project area. They are labeled Vernal Pools 7 through 16 on the Project mapping. Vernal pool physical and biological characteristics are summarized in Table 2. Two vernal pool indicator species were observed, the spotted salamander (*Amybystoma maculuatum*) and wood frog (*Lithobates sylvaticus*). Spotted salamander were confirmed in 9 of the 10 pools and wood frog were confirmed in 7 of the 10 pools.

Other amphibian and reptile species observed during survey work included one State-listed spotted turtle (*Clemmys guttata*), along with common species including spring peeper (*Pseudacris cruficer*) adults, green frog (*Rana clamitans*) adults and larvae, red spotted newt (*Notopthalmus viridescens*), gray treefrog (*Hyla versicolor*) adult and snapping turtle (*Chelydra serpentina*).

Table 2: Summary of vernal pool physical and biological characteristics

	Physical Characteristics Indicator Species							
Pool #	Map Sheet	Maximum Depth (in)	Туре	Total Egg	Masses Lsyl	Tadpole/ Larvae	Facultative/ Non-Indicator Species	Cover Type
7	3	24	cr	7		Lsyl	Lcla	PSS/PFO
8	4	12	cr	20+	11			PSS/ PFO
9	4	8	cr	6		Lsyl		PSS/PEM
10	4	12	cr	14				PSS/PEM
11	5	24	cr	15			Lcla	PSS/ PEM
12	5	10	cr	18		Lsyl		PSS/PEM
13	5	8	cr	5		Lsyl		PSS/PFO
14	7	24	cr	15			Lcla	PSS/PEM
15	8	20	cr	0	150+			PSS/PFO/AQ
16	11	12	cr	48		Lsyl		PSS/PEM

Type: cryptic (cr), classic (cl), anthropogenic (an)

Species: Ambystoma maculatum (Amac); Lithobates sylvaticus (Lsyl); Pseudacris crucifer (Pcru); Lithobates clamitans (Lcla); Notopthalmus viridescens (Nvir)

Vegetation: palustrine scrub-shrub (PSS); palustrine forested (PFO); palustrine emergent (PEM); aquatic beds present (AQ)

Note: Egg mass data for vernal pool 15 is based on survey data collected by Davison Environmental in 2017. Due to the presence of thick algae that developed this season, surveys for egg masses were not possible.

Vernal pool hydrology was largely seasonally flooded, but Pool 8 appears to be an historic farm pond with a semi-permanently flooded hydrology. All pools were cryptic pools (i.e., embedded within larger wetlands).

The dominant vegetative cover type is scrub-shrub. Typical component shrub species included buttonbush (*Cephalanthus occidentalis*), winterberry (*Ilex verticillata*) and highbush blueberry (*Vaccinium corymbosum*). Component herbaceous plant species included tussock sedge (*Carex stricta*), skunk cabbage (*Symplocarpus foetidus*) and sensitive fern (*Onoclea sensibilis*). Due to ongoing vegetation management, trees were largely absent from the portions of the pools located within the maintained right-of-way but, where present, were predominately red maple (*Acer rubrum*).

### 9.0 RECOMMENDED PROTECTION MEASURES

Based on the Project activities proposed in proximity to vernal pools, the following measures are recommended to avoid or minimize impacts on vernal pools during construction:

- A. No direct impacts are proposed within vernal pools. Work is required within the Vernal Pool Envelopes for two pools, VP7 and VP15. Construction within these areas will be conducted using temporary timber matting with no permanent impacts proposed. The installation of gravel within the Vernal Pool Envelope should be avoided.
- B. The installation of matting for VP7 and VP 15 should be conducted between August and February, if possible, outside of the high sensitivity period for observed vernal pool indicator species. High sensitivity periods include the migration/breeding period and the metamorph emergence/early dispersal periods.
- C. If possible, no tree cutting should occur within vernal pool envelopes. If vegetation must be removed, to the maximum extent practicable it should be done selectively either by hand or with equipment that can reach in and cut and remove it. Non-selective moving of vegetation shall only be used if it is absolutely necessary.
- D. Removal of shrub cover associated with work pad and access road construction within 25' of vernal pools should be minimized to the extent practicable. Cut woody debris (slash) should be left in place to provide amphibian cover and promote the development of coarse woody debris and detritus.
- E. If necessary, erosion and sedimentation controls should be installed and maintained along existing access roads and work pads near vernal pools as necessary to protect water quality and to limit the potential for soil deposition into vernal pools. Erosion control measures should be designed in a manner that allows unencumbered amphibian access to the vernal pool. Such measures may include, but not be limited to; straw wattles, and aligning erosion and sedimentation controls to avoid bifurcating vernal pool habitat.
- F. Plastic netting, which may be found in a variety of erosion control products (e.g., erosion control blankets, straw wattles, and reinforced silt fence), should not be used. Erosion and sedimentation control devices should be promptly removed upon final revegetation and stabilization of the ROW.

# 10.0 REFERENCES

Calhoun, A.J.K. and M.W. Klemens. 2002. Best development practices: Conserving pool-breeding amphibians in residential and commercial developments in the northeastern United States. MCA Technical Paper No. 5, Metropolitan Conservation Alliance, Wildlife Conservation Society, Bronx, New York.

Colburn, E.A. 2004. Vernal pools, natural history and conservation. The McDonald & Woodward Publishing Company.

Klemens, M.W., Gruner, H.J., Quinn, D.P. and Davison, E.R. 2021. Conservation of Amphibians and Reptiles in Connecticut. Connecticut Department of Energy and Environmental Protection. Revision to State Geological and Natural History Survey Bulleting 112.

Mitsch, W.J. and J.G. Gosselink. 2007. Wetlands, fourth edition. John Wiley and Sons, Inc.

Semlitsch, R.D. 1998. Biological delineation of terrestrial buffer zones for pond-breeding amphibians. Conservation Biology 12:1113-1119.

Windmiller, B.S. 1996. The pond, the forest, and the city: Spotted salamander ecology and conservation in a human-dominated landscape. Ph.D dissertation, Tufts, University, Medford, MA.

U.S. Environmental Protection Agency Ecoregions GIS Data. Web link: https://www.epa.gov/ecoresearch/ecoregion-download-files-state-region-1#pane-27





Photo 1: Vernal Pool 7



Photo 2: Vernal Pool 8





Photo 3: Vernal Pool 9



Photo 4: Vernal Pool 10





Photo 5: Vernal Pool 11



Photo 6: Vernal Pool 12





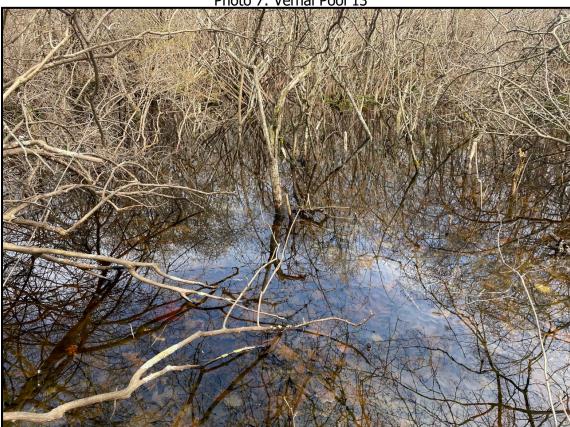


Photo 8: Vernal Pool 14





Photo 9: Vernal Pool 15



Photo 10: Vernal Pool 16

# Attachment F:

Letter to the Abutters and Affidavit



November 1, 2022

Dear Neighbor,

At Eversource, we're always working to serve you better. We are submitting a petition to the Connecticut Siting Council (CSC) for a proposed structure replacement project in your area.

#### **Proposed Project Information**

The Project, called the Wawecus Junction to Montville Junction Upgrade Project, will be taking place within the right of way on or near your property between Wawecus Junction to Fort Hills Farms Substation to Montville Junction for approximately eight miles. The Proposed modifications include:

- Replacement of various existing wood structures with new steel structures, with a finish that "weathers" or darkens
  over time. Most of the structure replacements are due to the age and condition of these structures and some
  structures will be replaced to comply with National Electric Safety Code (NESC) clearance requirements. The existing
  structure heights range from 43 feet to 93 feet above ground level ("AGL") and the new structures will range in height
  from 43 feet to 93 feet AGL. The average height increase is approximately six feet AGL.
- Select tree and vegetation trimming within the right of way to comply with updated electrical standards.

In addition, we will replace the shield wire on the structures with communication wire called Optical Ground Wire (OPGW). With these improvements, Eversource will improve electric reliability by enabling communication between substations.

### **What You Can Expect**

Pending all necessary approvals for this proposed work, construction is expected to begin in the first quarter of 2023. We anticipate completing construction, including restoration of affected areas, by December 2023.

#### For More Information

Eversource is committed to being a good neighbor and doing our work with respect for you and your property. For more information, please call our projects hotline at 1-800-793-2202 or send an email to ProjectInfo@eversource.com.

If you would like to send comments regarding Eversource's petition to the CSC, please send them via email to siting.council@ct.gov or send a letter to the following address: Melanie Bachman, Executive Director, Connecticut Siting Council, Ten Franklin Square, New Britain, CT 06051.

Sincerely,

# Heather Hayes

**Heather Hayes** 

Project Manager on Behalf of Eversource Energy Transmission

#### AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT	)
	) ss. Berlin
COUNTY OF HARTFORD	j

Sec. 16-50j-40 of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the affected municipalities, property owners and abutters shall be submitted with a petition for declaratory ruling to the Connecticut Siting Council ("Council"). In accordance with that RCSA section, I hereby certify that I caused notice of the petition for a declaratory ruling of The Connecticut Light and Power Company doing business as Eversource Energy to be served by mail or courier upon the following municipal officials:

- Peter Albert Nystrom Mayor Norwich City Hall 100 Broadway Norwich, CT 06360
- Ronald K. McDaniel
   Mayor
   Montville Town Hall
   310 Norwich-New London Tpke
   Uncasville, CT 06382

I also certify that I caused notice of the proposed modifications to be served by mail or courier upon owners of abutting properties shown on Attachment A to the Petition.

James Smith
Project Siting Specialist

On this the <u>1st</u> day of November 2022, before me, the undersigned representative, personally appeared, James Smith, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public/My Commission expires:

Officer of the Superior Court/ Juris No.:

Audia W. 413393