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April 11, 2023

Melanie Bachman, Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

Re: Card Substation to Wawecus Junction Upgrade Project

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy (“Eversource”) is requesting a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required for the Card Substation to Wawecus Junction Upgrade Project (“Project”) which proposes modifications to the existing 115-kilovolt (“kV”) 1080/1490 and 1080/1070 transmission lines, located in the Towns of Lebanon, Franklin and Bozrah and the City of Norwich, Connecticut (“Petition”).

Prior to submitting this Petition, Eversource representatives briefed municipal officials about the Project and provided written notice to all abutters of the proposed work and also of the filing of this Petition with the Council. Maps and line lists identifying the notified property owners are provided in the Petition as Attachment A: Card Substation to Wawecus Junction Upgrade Project – Aerial Maps.

Eversource is submitting this filing electronically and will be providing one hard copy original and 15 copies to the Council, along with the requisite \$625 filing fee.

Sincerely,



Deborah Denfeld

Attachments

cc: Honorable Kevin Cwikla, First Selectman, Town of Lebanon  
Honorable Charles Grant, First Selectman, Town of Franklin  
Honorable Glenn Pianka, First Selectman, Town of Bozrah  
Honorable Peter Albert Nystrom, Mayor, City of Norwich



**THE CONNECTICUT LIGHT AND POWER COMPANY**

**doing business as**

**EVERSOURCE ENERGY**

PETITION TO THE CONNECTICUT SITING COUNCIL  
FOR A DECLARATORY RULING OF  
NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT  
FOR THE PROPOSED MODIFICATIONS TO THE EXISTING  
1080/1490 AND 1080/1070 LINES IN THE MUNICIPALITIES OF LEBANON, FRANKLIN,  
BOZRAH, AND NORWICH, CONNECTICUT

**1. Introduction**

The Connecticut Light and Power Company doing business as Eversource Energy (“Eversource” or the “Company”) hereby petitions the Connecticut Siting Council (“Council”) for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need (“Certificate”) is required pursuant to Section 16-50g et seq. of the Connecticut General Statutes for proposed modifications to the 1080/1490 and 1080/1070 Lines, 115-kilovolt (“kV”) transmission lines, located within an existing transmission right-of-way (“ROW”) in the Towns of Lebanon, Franklin, Bozrah, and the City of Norwich, Connecticut, as described herein (the “Project”). Eversource submits that a Certificate is not required because the proposed modifications would not have a substantial adverse environmental effect.

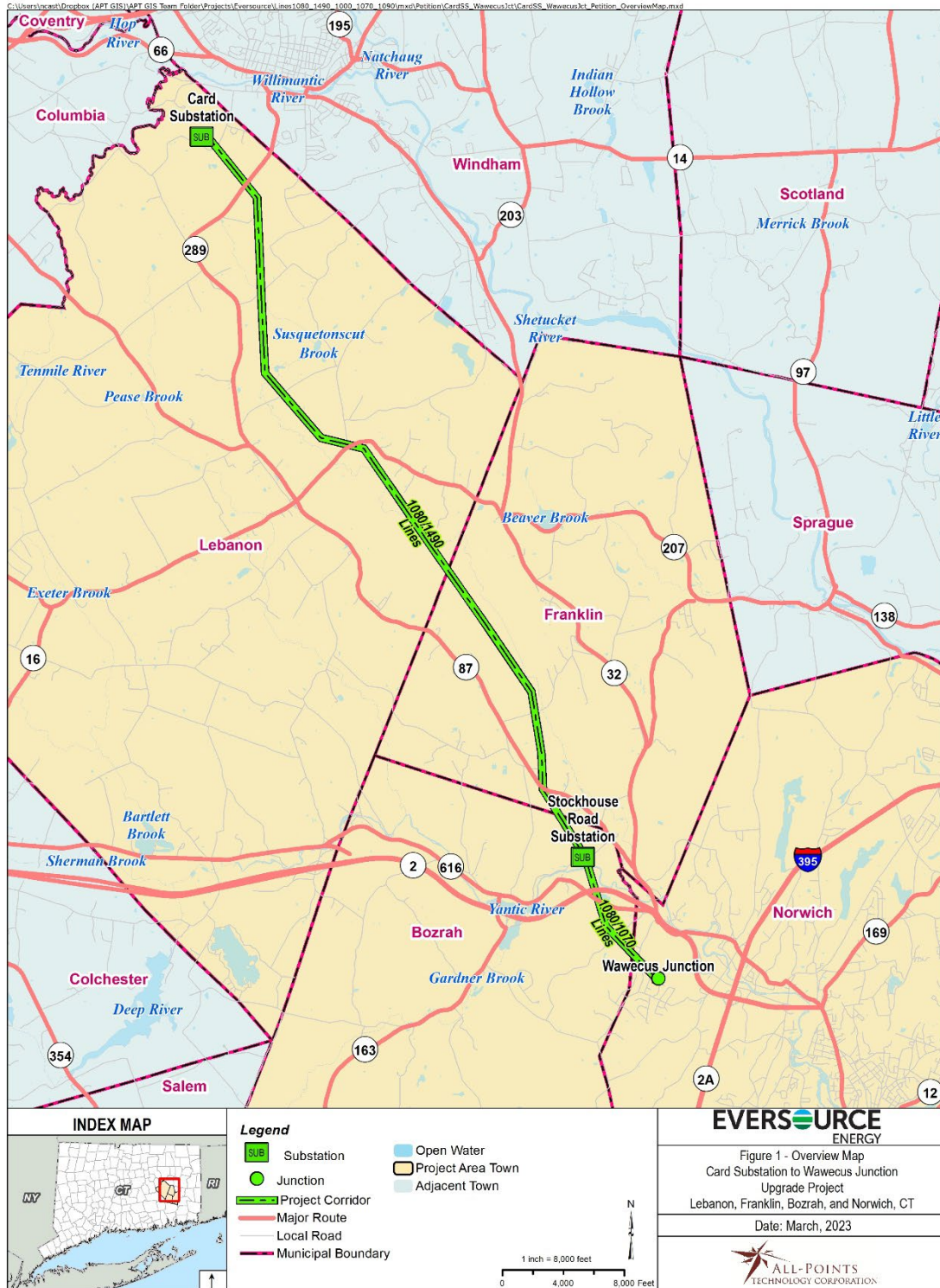
**2. Purpose of the Project**

The purpose of the Project is to replace a total of 38 transmission line structures along an approximately 12.5-mile section of the existing ROW between Card Substation, located in Lebanon, Stockhouse Road Substation, located in Bozrah, and Wawecus Junction, located in the City of Norwich. Thirty-three of the structures to be replaced are located along the ROW between Card Substation and Stockhouse Road Substation and five of the structures to be replaced are located between Stockhouse Road Substation and Wawecus Junction. In addition to the structure replacements, the Project includes replacement of the existing copperweld shield wire with optical ground wire (“OPGW”) on all lines<sup>1</sup>. Figure 1 below illustrates the area of the proposed Project.

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<sup>1</sup> To facilitate the installation of OPGW, short runs of underground All-Dielectric-Self-Supporting cable (“ADSS”) will be installed from the existing terminal structures to the control enclosures at Stockhouse Road Substation and Card Substation.

Figure 1: Project Overview Map





The structures to be replaced include two single-circuit wood H-frames, 34 double-circuit wood H-frames, and two single-circuit wood three-pole structures. All replacement structures will be weathering steel.

The replacement of structures is proposed for the following reasons:

- 32 existing structures are proposed to be replaced due to their asset condition and age-related degradation including splitting and rotting pole tops, woodpecker damage and wood decay and cracks.
- Six structures require replacement due to structural loading issues associated with the planned installation of the OPGW.

In addition, one existing lattice tower structure, 7707, which supports the 1080/1070 line, requires reinforcement due to structural loading issues associated with the planned installation of OPGW. This reinforcement involves the replacement of four steel members in the cross-arm.

### **3. Existing Project Area**

As shown on Attachment A – Card Substation to Wawecus Junction Upgrade Project – Aerial Maps, the Project area encompasses approximately 12.5 miles of Eversource’s existing ROW between Card Substation, Stockhouse Road Substation and Wawecus Junction. There are a total of 133 existing structures over the 12.5-mile long Project area. The ROW is generally 125 feet wide, except for a small portion of the ROW that expands to 300 feet immediately northwest of the Stockhouse Road Substation; the width of the ROW on which Eversource performs vegetation maintenance generally matches ROW width. The proposed structure replacements will not require expansion of the ROW.

The 1080 Line, in its entirety, is a four terminal line that extends from Card Substation to Montville Substation, also traversing northeast at Wawecus Junction to Lisbon Substation in Lisbon and Tunnel Substation in Preston. The 1490 Line, in its entirety, extends from Stockhouse Road Substation to Card Substation. The 1070 Line, in its entirety, extends from Stockhouse Road Substation to Fort Hill Farms Substation in Montville. The 1080 line extends within the Project area from Card Substation past Stockhouse Road Substation to Wawecus Junction. Along the northern 10.70 miles of this ROW (from Card Substation to Stockhouse Road Substation), the 1080 Line is supported primarily in a double-circuit configuration with the 1490 Line (“the

1080/1490 line”)<sup>2</sup>. Along the southern 1.80 miles of this ROW (from Stockhouse Road Substation to Wawecus Junction), the 1080 Line is supported, primarily in a double-circuit configuration, with the 1070 Line (“the 1080/1070 line”)<sup>3</sup>.

The oldest structures existing on the lines are from the original construction, which occurred between 1950 and 1970 depending on the particular line and section of the line. Numerous structures along the lines have been replaced over the years with the most recent replacements completed between 2018 and 2020 due to asset condition.

The 1490 and 1070 conductor is 556-kcmil Aluminum Conductor Steel Reinforced (ACSR) – Installed in 1962 with approximately 10 years of useful life now remaining. The 1080 Line conductor is 1272-kcmil ACSR – Installed in 1972 with approximately 20 years of useful life now remaining. The conductors do not show signs of excessive wear and will not be replaced or upgraded at this time as there is no system need currently identified.

#### **4. Project Description**

The Project will involve replacing a total of 38 structures to address both asset condition concerns and structural loading issues associated with the installation of OPGW. Sample photos of the asset conditions associated with the structures to be replaced are shown in Attachment G: Sample Photos.

Details of the proposed Project scope of work are summarized, by 115-kV line, as follows:

##### **Line 1080/1490 (Card Substation to Stockhouse Road Substation)**

- Replace 28 double-circuit wood H-frame structures, due to asset condition, with double-circuit weathering steel H-frame structures;
- Replace four double-circuit wood H-frame structures, due to structural overloading caused by the installation of OPGW, with double-circuit weathering steel H-frame structures;
- Replace one single-circuit wood H-Frame angle structure that supports the 1080 Line, due to asset condition, with a single-circuit weathering steel H-frame angle structure; and

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<sup>2</sup> Single-circuit structures exist in some areas where the lines traverse sharp angles within the ROW.

<sup>3</sup> Single-circuit structures exist in some areas where the lines traverse sharp angles within the ROW

- Replace approximately 10 miles of existing 3/8-inch copperweld shield wire with OPGW on the 1080/1490 structures.

### **Line 1080/1070 (Stockhouse Road Substation to Wawecus Junction)**

- Replace one double-circuit wood H-frame structure, due to asset condition, with a double-circuit weathering steel H-frame structure;
- Replace one double-circuit wood H-frame structure, due to structural overloading caused by the installation of OPGW, with a double-circuit weathering steel H-frame structure;
- Replace one single-circuit wood H-frame angle structure that supports the 1070 Line, due to asset condition, with a single-circuit weathering steel H-frame angle structure;
- Replace one single-circuit wood three-pole angle structure that supports the 1080 Line, due to asset condition, with a single-circuit weathering steel three-pole angle structure;
- Replace one single-circuit wood three-pole angle structure that supports the 1070 Line, due to structural overloading caused by the installation of OPGW, with a single-circuit weathering steel three-pole angle structure; and
- Replace approximately 1.8 miles of existing 3/8-inch copperweld shield wire with OPGW on the 1080/1070 structures.

In addition to the work described above, counterpoise and lightning arrestors would be installed at structure locations, as needed, and lightning arrestors at existing structures will be transferred to the new structures.

The Attachment A maps depict the locations of existing and proposed replacement structures, as well as the work pads and access roads to be used for Project construction. The maps also illustrate the limits of the Eversource ROW, and property, as well as environmental and land use features in the Project area. The cross-section drawings in Attachment B: “Cross Sections” depict changes between the existing and proposed structures.

Thirty-one replacement structures require an increase in structure height and seven replacement structures would have no height increase, as compared with the corresponding existing structures. The heights of the existing 38 structures to be replaced range from approximately 52 feet to 74.5

feet. The replacement structures range in height from 52 feet to 97 feet. The average height increase is approximately nine feet. The proposed structure height increases range from approximately 4.5 feet to 22.5 feet above the corresponding existing structures. Seven structures will have height increases that are over 10 feet, ranging from 13.5 to 22.5 feet above the corresponding existing structures. Height increases are required to comply with current National Electrical Safety Code (“NESC”) clearance requirements. With the exception of replacement Structure 7734, which would be positioned 20 feet from the existing structure, all replacement structures would be positioned within 10 feet or less from its corresponding existing structure. Attachment C – “List of Structure Replacements” provides detailed information regarding the heights and types of the existing and replacement structures.

## **5. Existing Environment, Environmental Effects, and Mitigation**

The Project would be constructed within Eversource’s ROW between Card Substation, Stockhouse Road Substation and Wawecus Junction. No expansion of the existing ROW would be required. The Project would not have a substantial adverse environmental effect for the reasons explained below.

### Land Use

The Project ROW extends in a southeast direction across the municipalities of Lebanon, Franklin, Bozrah and Norwich. Most land in the vicinity of the Project is undeveloped forest and agricultural land, with some low-density residential and commercial development becoming more prevalent in the Towns of Franklin and Bozrah and City of Norwich. Notable land use features in the Project vicinity include Card Substation (Lebanon), Connecticut Department of Energy and Environmental Protection (“CT DEEP”) Pomeroy State Park and Scenic Reserve (Lebanon and Franklin), Susquetonscut Brook (Lebanon), New England Central Railroad (Franklin), Stockhouse Road Substation (Bozrah), Yantic River (Bozrah) and CT Route 2 (Bozrah). See Attachment A: Card Substation to Wawecus Junction Upgrade Project – Aerial Map for further details.

The ROW crosses the Algonquin Gas Transmission Company (“Algonquin”) ROW at several locations (See Attachment A). No existing structures or proposed structure replacements are located within this ROW. In coordination with Algonquin, Eversource would use construction matting, as needed, for work pads and access roads that are located within the Algonquin ROW for protection of this underground utility.

All Project work would occur within Eversource's property and/or existing ROW, which is dedicated to long-term use as an electric transmission line corridor. As such, the Project will not result in adverse impacts to existing land uses.

### Tree Removal and Vegetation Management

The Project ROW is generally 125 feet wide, except for a small portion of the ROW that expands to 300 feet immediately northwest of the Stockhouse Road Substation and to 250 feet at Wawecus Junction. The maintained portions of the ROW corridor generally match the ROW width.

While the majority of the Project will be located within the currently maintained portion of the ROW, some limited tree clearing, removal and vegetation management will be required in select areas to accommodate access roads, work pad installation and improvements, removal of incompatible vegetation species, and side tree trimming along the edge of the Project ROW where conductor clearances need to be improved to meet current clearance standards<sup>4</sup>. In general, vegetation will be cut to an above ground height of 6-8 inches, while Project work pads and access roads will be mowed where applicable. Outside the ROW, some limited tree clearing, side trimming and vegetation management will be required to allow for the safe passage of construction vehicles and equipment to enter the ROW from an existing off-ROW access road<sup>5</sup>.

### Vegetation Management Methods

In most locations, the vegetation removal work would be accomplished using mechanical methods. This work typically requires the use of flat-bed trucks, mowers, brush hogs or other types of mowing equipment, skidders, forwarders, bucket trucks for canopy trimming, and chippers.

In resource sensitive areas, Eversource would require the contractor to use low-impact methods to remove brush vegetation to protect wetlands, vernal pools, watercourses, state-listed species and their habitats, and cultural resources. Low-impact methods incorporate a variety of approaches, techniques, and equipment to minimize site disturbance.

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<sup>4</sup> It is estimated that the limited tree clearing and/or removal within the Project ROW will result in the removal of approximately 0.2 acre of forested habitat (See Attachment A: Map Sheets 8, 19, and 20).

<sup>5</sup> It is estimated that the limited tree clearing and/or removal outside the ROW will result in the removal of approximately 0.4 acre of forested habitat (See Attachment A: Map Sheet 22) outside the ROW.

Eversource would require the contractor to use some or all the following low impact methods, depending on the specific settings and situations:

- Consider soil and weather conditions when scheduling vegetation removal activities, such as during periods of heavy rainfall;
- Maximize the use of uplands for clearing access routes;
- Utilize hand clearing methods for vegetation removal work within sensitive wetland and vernal pool areas;
- Use appropriately sized equipment for site conditions, where possible, to minimize impacts; and
- Where practical, cut brush close to the ground, leaving root systems and stumps, to retain soil stability.

Temporary construction mats would be used to provide a stable base for equipment to cross watercourses or wetlands where hand clearing work is not feasible. Such temporary mats would minimize disturbances to wetland soils, and the mats would be removed after the activities are completed. Work activities in wetlands would be conducted in accordance with Eversource's *April 2022 Construction & Maintenance Environmental Requirements, Best Management Practices Manual for Massachusetts, and Connecticut* ("BMPs" or "BMP Manual") and comply with Project permits and approvals.

After construction is completed, Eversource would perform ROW restoration in accordance with the protocols specified in the BMPs and based on consultations with any property owners affected by the Project.

#### Scenic, Recreational and Cultural Resources

The Project is not anticipated to have a substantial adverse effect to scenic, recreational, and/or cultural resources. The ROW does not traverse and is not located near any locally or state



designated scenic roadways.<sup>6</sup> Similarly, the Project area neither crosses nor is proximate to any Connecticut Forest & Park Association Blue-blazed hiking trails, or other known trail systems<sup>7</sup>.

The ROW traverses the Pomeroy State Park Scenic Reserve (See Attachment A: Map Sheet 1-3). While some of the work associated with the Project may temporarily affect public use of this resource, it would not prevent access. Eversource will provide pre-construction notifications to the CT DEEP and continue to coordinate throughout the Project to maintain public safety with additional community outreach or posting of advisory signage where needed. Once construction is complete, Eversource would perform ROW restoration at these locations in accordance with the protocols specified in the BMPs and adhere to any recommendations provided by CT DEEP.

To evaluate the potential presence of archaeological and historic resources within or proximate to the Project area, a Phase IA Cultural Resources Assessment Survey (“Phase IA”) was conducted by Heritage Consultants, LLC (“Heritage”) in February of 2023. This assessment included a review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office (“SHPO”). The Phase 1A did not identify any National or State Register of Historic Places properties/districts within 500 feet of the Project areas, however, it determined that there are fifteen previously identified archeological sites located within 500 feet of the Project area. Of these fifteen locations, three<sup>8</sup> were identified within and/or proximate to the ROW. These locations will not be impacted by the proposed replacement structures. Work areas and access roads located near these resources will utilize construction matting and/or avoidance strategies, such as snow fencing and/or signage, to protect these locations during construction activities.

Heritage evaluated<sup>9</sup> the archaeological sensitivity of the Project area (that is the potential for Project activities to encounter previously unidentified buried archaeological resources) in February of 2023. As a result of that analysis, Heritage determined that various portions of the ROW have a moderate to high archaeological sensitivity and recommended a Phase 1B Cultural Resources Reconnaissance Survey (“Phase 1B”) be completed if ground disturbance could not

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<sup>6</sup> Connecticut Department of Transportation (CTDOT), Connecticut State Scenic Roads. Updated January 11, 2022. Accessed January 12, 2023. Available URL: <https://connecticut-ctdot.opendata.arcgis.com/apps/scenic-roads-interactive-map/explore>. The municipalities of Lebanon, Franklin, Bozrah and Norwich do not have any listed scenic roads in proximity to the Project.

<sup>7</sup> Based on a desktop review of the CTDEEP GIS and field investigations data.

<sup>8</sup> To protect these archeological resources, no details are included in this Petition regarding artifacts and/or locations.

<sup>9</sup> Based on a review of historic maps, aerial photographs, available soil profiles and a Pedestrian Survey.

be avoided in these areas. The Phase 1B is currently underway and is expected to be completed in May 2023. If necessary, based on the results of the Phase 1B survey, Eversource would develop a proposed cultural resource protection strategy, which will be provided to SHPO, and the Tribal Historic Preservation Offices (“THPO”) for review. Any additional recommended protection measures following the review of the Phase 1B will be incorporated into Eversource’s BMPs for the Project’s construction.

#### Wetlands, Watercourses, Vernal Pools, Flood Zones, and Water Supply

Eversource identified and delineated water resources in the Project area in November and December of 2022 (refer to Attachment D: Wetlands and Watercourses Report; see also the map sheets provided in Attachment A, which depict water resources). Eversource also conducted baseline research regarding floodplains and water supply. Water resources found in the Project area include inland wetlands, watercourses (perennial and intermittent streams), a river, ponds, and vernal pools. In addition, the Project area crosses various watercourses that are associated with Federal Emergency Management Agency (“FEMA”) designated flood zones.

All Project work in or near these areas would be conducted in accordance with Eversource’s BMPs and the Project specific Stormwater Pollution Control Plan (“SWPCP”) that Eversource would develop for the Project under a CT DEEP General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (“General Permit”).

Additionally, work activities within water resources will meet all applicable terms and conditions of the Department of the Army Regional General Permits for the State of Connecticut and are anticipated to be eligible for Self-Verification under General Permits 6 and 21. Self-Verification Notification Forms and the required accompanying materials will be submitted to the U.S. Army Corps of Engineers - New England District and the Connecticut Department of Energy and Environmental Protection in advance of Project construction.

Details regarding each of these resource areas are summarized below.

#### *Wetlands*

Wetlands in the Project area were identified and delineated in accordance with industry standard methodology. A total of 42 wetlands were identified in or proximate to the Project area (See Attachment A).

Currently, two existing H-frame structures, Structures 7719 and 7713, are located within wetlands W35 and W38, respectively, and will be replaced within the same wetlands. In addition, Structures 7711A, 7726, 7731 and 7792 that are aligned partially or within existing wetlands will be replaced as reflected in Table S-1 below.

Table S-1: Existing and Proposed Structure Alignments

Existing Structure Alignment		Proposed Structure Alignment
<b>7711A</b>	Existing 3-pole structure with two poles located within W38 and one pole located within the adjacent upland.	Proposed 3-pole structure with one pole located within W38 and two poles located within the adjacent upland.
<b>7726</b>	Existing 3-pole structure with one pole located within W29 and two poles located within the adjacent upland.	Proposed 3-pole structure will be relocated entirely within the adjacent upland.
<b>7731</b>	Existing 3-pole structure with one pole located within W29 and two poles located within the adjacent upland.	Proposed 3-pole structure with one pole located within W29 and two poles located within the adjacent upland.
<b>7792</b>	Existing 3-pole structure with three poles located within W8.	Proposed 3-pole structure with two poles located within W8 and one pole located within the adjacent upland.

Structure 7739 is currently located in an upland area but one pole of the proposed three-pole H-frame replacement structure would be located proximate to a wetland resource (W27). Because of its close proximity, permanent effects due to the installation of the pole are anticipated. These potential effects are reflected below and within Table W-1.

The Project will require the installation of replacements for these six structures in wetlands. The replacement structures, including Structure 7739, cannot be aligned outside of the wetlands due to cascading effects to structures ahead of and following these structures. These effects include uplift<sup>10</sup> and excessive insulator swing. Repositioning the structures out of the wetland would also cause standard clearance violations from conductor to ground. The Project will not involve the installation of any other replacement structures in wetlands.

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<sup>10</sup> Uplift is a transmission and distribution line engineering and construction term used to describe a condition where wire on a structure pulls up on the hardware instead of hanging down vertically. For certain structure types, this is detrimental as the structure and hardware is being pulled up resulting in forces that the structures were not designed to withstand, which could lead to breaking or uprooting of the structure. This can happen in locations where there is quick change in elevation of the ground or change in structure height of adjacent structures. Raising the structure helps alleviate the increased tension on the conductor and eliminates any uplift concerns.

The replacement of these structures, including Structure 7739 that must be installed proximate to or fully/partially within wetlands, would result in approximately 880 square feet of permanent wetland effects<sup>11</sup>. In addition, approximately 5.5 acres of temporary effects to wetlands will result from the placement of construction mats for access roads, pull pads and work pads and vegetation removal. All temporary construction mats will be removed as part of the restoration phase of the Project and affected wetland areas will be restored as needed in accordance with Eversource's BMPs.

To minimize disturbance to the wetlands, the existing wooden poles located in wetlands will be cut just above grade and left in place. Because the ROW is generally maintained, conversions of current wetland habitat types due to the installation of the proposed structures are not expected.

#### *Watercourses and Waterbodies*

There were 32 watercourses and waterbodies delineated within the Project area. These include five perennial watercourses (Susquetonscut Brook [three locations], Driscoll Brook, and Bentley Brook), 22 intermittent watercourses, one river (Yantic), and four waterbodies (unnamed ponds).

Sixteen temporary watercourse crossings will be required during construction: three for work pads and thirteen for temporary access roads. All watercourses will be spanned using temporary construction mats, which will be removed during the restoration of the ROW. Any affected stream bank areas will be restored in accordance with Eversource's BMPs.

Table W-1 below provides a summary of anticipated effects to wetlands and watercourses.

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<sup>11</sup> Based on a footprint of 80 square feet for each pole, 160 square feet for 2 pole H-Frame structures and 240 square feet for 3 pole H-Frame structures. Because Structure 7739 is not located within a wetland resource but is proximate to one, 80 square feet was used as a conservative assessment.

**Table W-1: Summary of Project Effects to Wetlands and Watercourses**

\*No impacts to watercourses are anticipated as they will be spanned with construction matting.

Note: No secondary effects (tree clearing) are anticipated within these wetland resource areas.

Wetland Watercourse ID	200 Scale Petition Mapping Sheet No.	Wetland/Watercourse Effects (+/- square feet)	
		Temporary (Matting)	Permanent (Structures)
W1	1 (Lebanon)	11,943	NA
W4	2 (Lebanon)	1,435	NA
W5/S1*	3 (Lebanon)	2,888	NA
W7	4 (Lebanon)	1,091	NA
W8	5 (Lebanon)	10,278	160 (2-Pole Str. 7792)
W9	6 (Lebanon)	759	NA
W10	6 (Lebanon)	2,855	NA
W13	8 (Lebanon)	869	NA
W15/S5*	8 (Lebanon)	736	NA
W19	9 (Lebanon)	23,335	NA
W21/S9*	12 (Lebanon)	20,845	NA
W22	15 (Franklin)	531	NA
W23	15/16 (Franklin)	17,308	NA
W27/S16&S17*	17 (Franklin)	28,143	80 (1-Pole Str.7739 Proximate)
W28	18 (Franklin)	3,229	NA
W29/S18*	18 (Franklin)	6,958	80 (1-Pole Str. 7731)
W30/S19*	18 (Franklin)	3,098	NA
W31	18 (Franklin)	340	NA
W33	19 (Franklin)	6,729	NA
W34	19 (Franklin)	416	NA
W35	20 (Franklin)	17,568	240 (3-Pole Str. 7719)
W36	20 (Franklin)	367	NA
W37/S22*	21 (Bozrah)	234	NA
W38	20/22 (Bozrah)	55,529	320 (3-Pole Str 7713 – 1-Pole Str. 7711A)
W39/CT Alluvial Wetland	20/22 (Bozrah)	21,937	NA
<b>Totals</b>		<b>239,421 (5.5 acres)</b>	<b>880 (0.02 acres)</b>

Vernal Pools

The Project area was surveyed for vernal pools in April of 2017 and 2022. Survey methods used included visual surveys to identify adults, larvae and egg masses, aural surveys to record breeding choruses and dip-net surveys to identify amphibian larvae. Six vernal pools were identified and delineated along the ROW. Vernal pools and vernal pool envelopes (i.e., the area within 100 feet of a vernal pool depression) are shown on the Attachment A maps.

No replacement structures or temporary construction matting would be located within a vernal pool depression.

Three matted work pads and two matted access roads are located within the vernal pool envelopes along with three existing access roads (See Attachment A – Map Sheets 2, 4, and 5). Work within vernal pool envelopes would be limited to vegetation management, and temporary matting for work pads and access. No permanent habitat alteration is proposed. The established existing access roads within the vernal pool envelopes would not be widened or altered and no new gravel will be added.

The survey results and recommended protection measures are provided in Attachment E: Vernal Pool Survey. To minimize potential effects to vernal pools, Eversource would implement the recommended protection measures detailed in Attachment E which includes additional habitat and species protection measures that will be implemented during construction. This includes but is not limited to: avoiding civil construction to the maximum extent practicable near vernal pools during high sensitivity periods for the observed vernal pool indicator species, avoiding permanent habitat alteration within vernal pool envelopes, and protection of compatible vegetation within vernal pool envelopes.

Federal Emergency Management Agency Flood Zones

The Project ROW extends across 100-year and 500-year FEMA flood zones associated with Susquetonscut Brook in Lebanon and Franklin, an unnamed water resource in Franklin, and the Yantic River in Bozrah. One replacement structure, Structure 7719, is proposed to be located within a 100-year flood zone. In addition, work activities and materials would be located within 100-year flood zones at structures 7707, 7708, 7709, 7736, 7737, 7756, 7766, and 7767. One replacement structure, Structure 7710, and its associated temporary work pad is proposed within a 500-year flood zone.



Eversource would utilize its BMPs to minimize any impacts in these areas including the use of construction mats for work pads and access roads to ensure that flood storage and hydrology are not adversely affected. All construction mats within these flood zones would be removed after the Project is complete. Areas of disturbance would be promptly stabilized in order to minimize the potential for soil erosion and the discharge of sediment into nearby resource areas. Prior to significant storm events, Eversource will secure the construction mats to impede lateral movement during temporary flooding. Accordingly, the Project would have only a de minimis effect on the flood storage capacity of the affected flood zones.

### Water Supply

Based on Aquifer Protection Areas (“APA”) mapping maintained by CT DEEP, there are no APAs or Public Water Supply Watersheds located within and/or proximate to the ROW. Additionally, there are no public water supply wells and/or reservoirs located within the Project area and no private water supply wells were observed within the Project area during field investigation activities.

Eversource would require its contractors to employ best management practices for the proper storage, secondary containment, and handling of diesel fuel, motor oil, grease, and other lubricants, to protect water quality within the Project area. Construction activities would conform to Eversource’s BMPs, as well as to the requirements of Project-specific plans (e.g., Stormwater Pollution Control Plan), which would be prepared prior to the commencement of construction.

### Wildlife and Habitat

The Project ROW provides habitat for a variety of early successional dependent species. Early successional dependent species are reliant upon old fields, meadows or shrublands, such as those that develop due to ongoing maintenance of the ROW, which precludes tree growth in favor of dense woody shrubs and herbaceous plants. This represents a critical habitat type in Connecticut that supports a wide range of species, most of which are declining across the State due to habitat loss associated with land development as well as the loss of farmland, illustrating the important function ROWs provide.

The portions of Eversource’s managed ROW that are dominated by herbaceous plants often provide beneficial habitat for pollinator species. Portions of the ROW are within known habitat for the New England Cottontail (“NEC”). During Project restoration, Eversource will incorporate additional habitat enhancements in Project restoration activities within sensitive areas (such as NEC Focus Areas, and open space). These enhancements will include amending gravel work

pads (partially or entirely) with either stockpiled native topsoil or fine processed stone, and application of a CT DEEP approved seed mixture comprised of native grasses and forbs.

Notable suites of species that utilize managed ROWs include “shrubland” birds such as the blue-winged warbler (*Vermivora cyanoptera*), amphibians and reptiles such as the American and Fowler’s toads (*B. Americanus* and *B. fowlerii*), and the eastern box turtle (*Terrapene c. carolina*). These and many other species rely heavily upon the early-successional habitats that occur in utility ROWs. The ROW also functions as a linear wildlife corridor, allowing movement of animals through densely developed urban and suburban areas. The Project activities are not anticipated to have a substantial adverse environmental effect on wildlife habitat.

The Project area does not overlap any Natural Diversity Database (“NDDB”) polygons. Therefore, no consultations with NDDB were initiated for the Project.

Eversource consulted with the U.S. Fish & Wildlife Service’s (“USFWS”) Information, Planning, and Consultation (“IPaC”) service regarding federal-listed species that may be present within the Project area. The IPaC report indicated one federal-listed endangered species; the Northern Long-eared Bat (“NLEB”; *Myotis septentrionalis*) may potentially occur in proximity to the Project area. NLEB roosts in certain trees in the warmer months of the year and at other times hibernates in caves and mines (bat “hibernacula”). However, according to the NLEB Areas of Concern in Connecticut map (dated March 2019), there are no known roost trees within 150 feet of the Project area while the nearest hibernacula is approximately 32 miles away to the southwest in North Branford. No work is proposed that would affect any known hibernacula, and therefore, no impacts to this species are anticipated.

As a part of Eversource’s required U.S. Army Corps of Engineers authorizations for the Project, an online USFWS consultation for NLEB would be completed to confirm that NLEB would not be adversely affected. As of March 31, 2023, the USFWS is intending to reclassify the NLEB from threatened to endangered under the Endangered Species Act and will develop new guidelines for evaluating projects for potential impacts. If protection measures are requested by USFWS Eversource would adhere to these measures.

### *Invasive Species*

Eversource has evaluated the Project area for existing invasive species consistent with Eversource’s BMP Manual and has identified invasive species within both upland and wetland work areas. Eversource will follow the BMP Manual, including the following additional actions to control the potential spread of invasive species:

- Clean vehicles, equipment, materials (including matting), gear, footwear or clothing of all visible soil and plant material on site in the infested area, or as near as practical to the infested area, prior to leaving the Project site.
- Cleaning may be accomplished using a brush, broom, or hand tools, by shaking or dropping mats in a controlled manner to dislodge attached soil and debris, or compressed air.

### Visual Effects

The Project would result in a minimal change to the visual character of the existing transmission lines because the proposed replacement structures are similar in design and height to the existing structures.

The replacement structures would be located as close as possible to the existing structures. The weathering steel used for the replacement structures is comparable in appearance to the original wood and will help the replacement structures blend in with the landscape surrounding the ROW. As a result, the Project would not result in a detrimental change to the existing visual character.

### Noise

The Project construction would result in short-term and localized noise, as is typical of any similar construction project. The temporary increase in noise would likely raise localized ambient sound levels immediately surrounding the work areas due to the operation of standard types of construction equipment (e.g., backhoe, bulldozer, crane, trucks, etc.)<sup>12</sup>

After the completion of the Project, the operation of the existing 115-kV lines will not result in any changes to noise levels.

### Air Quality

Short-term, localized effects from the Project construction on air quality may result, primarily from fugitive dust and equipment emissions, from the Project work. To minimize the amount of dust generated by construction activities, the extent of exposed/disturbed areas at any one time would be minimized.

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<sup>12</sup> Construction noise is exempted under the Connecticut regulations for the control of noise, RCSA 22a-69-1.8(g).

Vehicle emissions would be limited by requiring contractors to properly maintain construction equipment and vehicles, and to minimize the idling time of equipment and vehicles, including diesel construction equipment, in accordance with Connecticut regulatory requirements<sup>13</sup>.

Temporary gravel tracking pads would be installed at points of construction vehicle ingress/egress to minimize the potential for equipment to track dirt onto local roads. In addition, Project personnel will monitor for occurrences of dirt being tracked onto local paved roads by Project work. Any such tracking will be promptly swept and removed. To further minimize dust, water may be used to wet down disturbed soils or work areas with heavy tracking as needed.

#### Radio and Television Interference; Sound

There would be no increase in radio interference or audible noise from the operation of the new transmission facilities.

### **6. Transportation and Traffic Management**

The Project area extends across various local roads, as well as State Routes 289, 207, 87, 2 and 608.

Construction-related vehicular and equipment movements would utilize public roads in the Project area to access the transmission line ROW. However, the Project-related traffic is generally expected to be temporary and highly localized in the vicinity of the ROW access points and at the staging area described below in Section 7. Due to phasing of construction work, Project-related traffic is not expected to significantly affect transportation patterns or levels of service on public roads.

To safely move construction vehicles and equipment onto and off of the ROW while minimizing disruptions to vehicular traffic along public roads, Eversource or its Project contractor would work with the municipalities and the Connecticut Department of Transportation to develop and implement traffic management procedures, as needed. The construction contractor typically would be responsible for posting and maintaining construction warning signs along public roads near work sites and for coordinating the use of flaggers or police personnel to direct traffic, as required.

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<sup>13</sup> Regulations of Connecticut State Agencies (RCSA) Section 22a-174-18(b)(3)(C) generally prohibits the idling of motor vehicles for more than three consecutive minutes when not in motion.

Construction vehicles and equipment to be used for the work may include pickup trucks, bucket trucks, flat-bed trucks, excavator, concrete trucks, drill rigs, front loaders, reel trailers, bulldozers, woodchippers, brush hogs/mower, forklifts, side booms, dump trucks, cranes and helicopters. In the event helicopters are utilized, advanced notification to affected property owners would be provided. Pullers and tensioners would be used for the line work. Guard trucks would be used for protection of roads during the line work.

## **7. Construction Sequence**

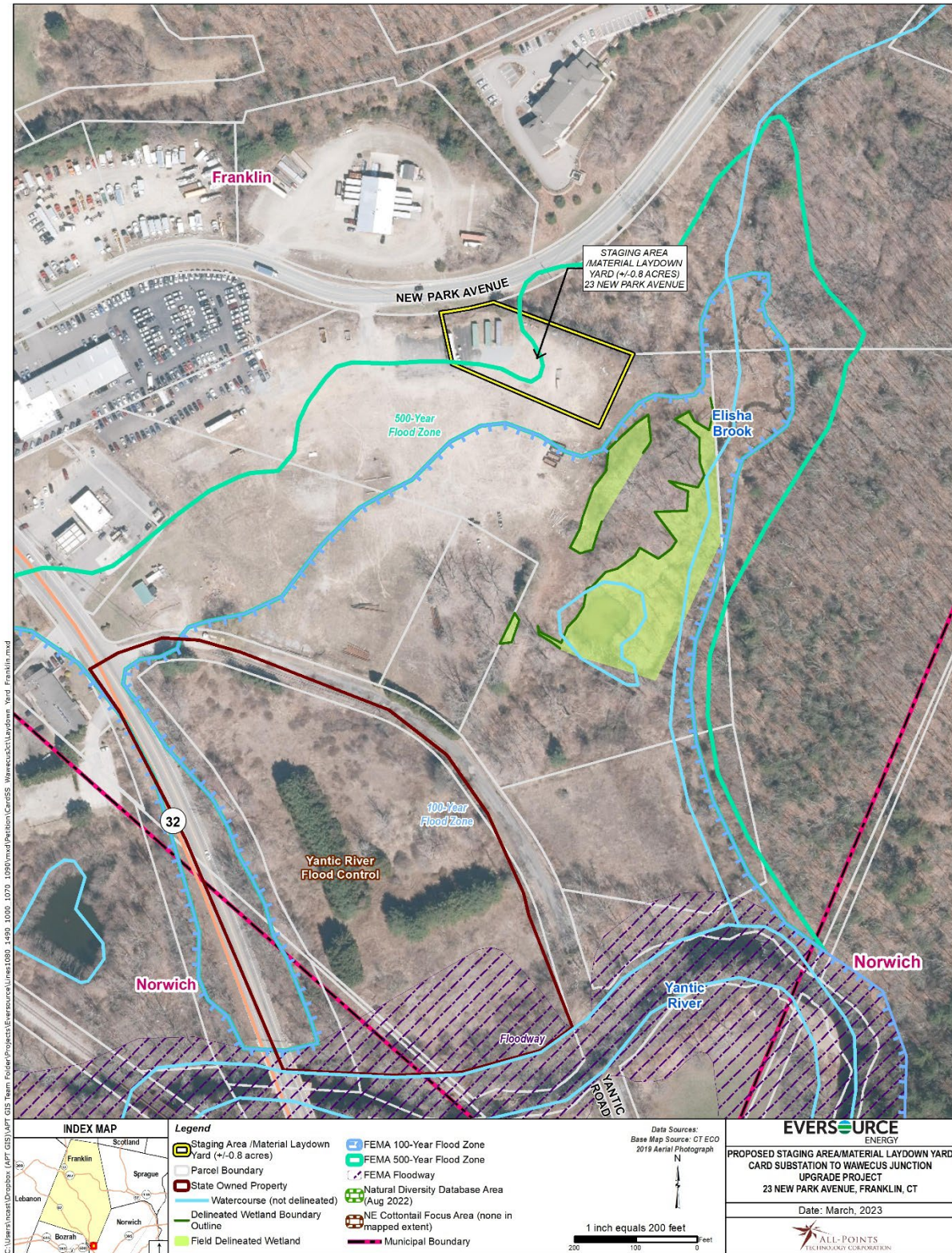
Project construction would include the following activities:

### Establishing Staging Area

During Project construction, Eversource proposes to use an existing staging area located at 23 New Park Avenue in the Town of Franklin approximately 1 mile north of the Project area. This staging area, which is depicted in Figure 2 below, is currently being used by Eversource as a staging area for general maintenance-related work on the transmission system.



Figure 2: Eversource Staging Area (23 New Park Avenue, Town of Franklin)





In addition to Eversource's staging area in Franklin, Project contractor(s) would be responsible for identifying and managing other staging areas as needed for the Project work. Because Eversource has not yet awarded a construction contract for the Project, any such additional staging areas will be identified at a later date.

The Eversource staging area in Franklin, as well as any as-yet-to-be identified contractor yards, would be used for storing or staging Project construction materials, equipment, tools, and supplies (including cable reels, insulators, hardware, poles and construction mats). Office trailers and Conex storage containers may also be located at the staging sites. Components removed during the work (structures, hardware and insulators) may be accumulated and stored temporarily at the staging area prior to removal off-site for salvage and/or disposal.

In addition, the staging area may also be used by construction crews and other Project personnel for parking personal vehicles, as well as for construction vehicles and equipment storage, and for performing minor maintenance, when needed, on construction equipment. Vehicles or equipment also may be refueled at the staging areas.

Appropriate soil erosion and sedimentation ("E&S") controls would be installed at the staging areas, as required, and maintained until completion of the work in accordance with Project permits and Eversource's BMPs.

### **Erosion & Sediment Control Installation**

Project construction would conform to best management practices for E&S control, including those provided in the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control* ("Connecticut Guidelines") and Eversource's BMPs. This would include the development of a Project specific SWPCP and registration under CTDEEP's General Permit.

Typical E&S control measures include, but are not limited to, straw blankets, silt fencing, rock construction entrances, soil and slope protection, water bars, check dams, berms, swales, plunge pools, and sediment basins. Silt fence would be installed as needed to intercept and retain sediment and/or construction materials from disturbed areas and minimize the potential for sedimentation outside of the Project area. Temporary E&S control measures would be maintained and inspected for the duration of the Project to ensure their integrity and effectiveness and for compliance with the General Permit.

SWPCP inspections of the site would be performed by a qualified inspector as defined by CT DEEP's General Permit, based on a minimum of weekly inspections and inspections within 24

hours of the end of a storm that generates a discharge that equals or exceeds 0.5 inches. For storms of less than 0.5 inches, an inspection shall occur immediately upon the start of the subsequent normal working hours.

Following the installation of the structure replacements and OPGW, the affected areas of the ROW would be restored, and seeding and mulching or hydroseeding would be completed to permanently stabilize the areas disturbed by the construction activities. The temporary E&S control measures would remain in place until the Project work is complete and all disturbed areas are stabilized.

### **Access Roads and Work Pads**

Access to each proposed transmission structure location will be required during Project construction. As a result of the operation and maintenance of the existing lines within the ROW, some access roads are already established and Eversource will utilize these existing access roads to the extent possible. However, some new access roads will be required.

Construction matting will be utilized to install temporary access roads through wetland areas to reach certain structure locations. The access roads expected to be used for the Project are illustrated on the maps in Attachment A.

Existing access roads may need to be improved (graded, widened, and/or reinforced with additional stone and/or gravel material) to accommodate the safe passage of construction vehicles and equipment<sup>14</sup>. Access road improvements typically include trimming adjacent vegetation and widening roads, as needed, to provide a maximum travel surface that is approximately 16 feet wide (additional width may be needed at turning or passing locations). Access roads would typically be graveled; however, where access roads traverse streams or wetlands, timber construction mats or temporary bridges would be used. E&S controls would be installed as necessary before the commencement of any improvements to or development of access roads.

Existing gates, pole barriers and signage are currently utilized to discourage all-terrain vehicles from accessing the ROW. It is standard work practice to close and lock all gates at the end of the workday. In addition, for any new access points that currently do not have gates or pole barriers installed, Eversource will install these measures upon request by the property owner during and/or

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<sup>14</sup> Established existing access roads within vernal pool envelopes will not be improved.

after construction. During construction, Eversource will make every attempt to barricade open access points using natural features such as large rocks and downed trees.

At each transmission line structure location, a work pad is required to stage material for final on-site assembly and/or removal of structures, to transfer conductors and to provide a safe, level work base for the construction equipment. Typical work pads are 125 feet by 125 feet but, due to terrain and spacing between the existing and proposed structures, the work pads may be up to approximately 150 feet by 150 feet; however, in areas where machinery is needed for pulling OPGW through an angled structure, work/pull pads of approximately 130 feet by 80 feet are required. Most work pads will be graveled, though some will use temporary matting to protect sensitive resource areas (i.e., agricultural lands, lawn areas, meadow, identified cultural resource areas, etc.) or where work pads are in wetlands.

To facilitate future transmission line maintenance, some access roads, structure work pads in uplands would be left in place (refer to Attachment A). If an individual property owner requests their removal, the Project representatives will work with the property owner on mitigation options. No new permanent access roads or work pads are proposed in water resource areas.

The proximate locations and configuration of the work pads, as determined based on the environmental field studies and constructability reviews, are shown on Attachment A.

### Foundation Installation

The proposed replacement structures would be either directly embedded or have drilled (caisson) foundations. This work would require the use of equipment such as mechanical excavators (drill rigs), pneumatic hammers, augers, drill rigs, dump trucks, concrete trucks, grapple trucks and light duty trucks. If groundwater is encountered, pumping (vacuum) trucks or other suitable equipment would be used to pump water from the excavated areas as the shaft is being drilled or as the structure is being set. The water would then be discharged in accordance with Eversource's BMPs and in compliance with the General Permit requirements

Excavated soils that are generated during construction activities would not be stored or stockpiled in wetlands, vernal pools, or watercourses. Excavated soils from the Project that cannot be used as backfill would be regraded into adjacent uplands within the ROW and stabilized in accordance with Eversource BMPs and the Stormwater Pollution Control Plan. Any excavated soils that cannot be reused on the property from which they were excavated would be transported from the Project area and properly managed off-site in accordance with Eversource BMPs.

Depending on site-specific soil conductivity, supplemental grounding would be installed. A quad “ditch-witch” plow-cable trencher, or equivalent, would be used to install the counterpoise.

### Structure Assembly/Installation

Structure sections, structure components and hardware would be delivered to the individual structure locations using flat-bed trucks and assembled on-site using a crane, bucket trucks and excavator. After assembly, the area around the directly embedded structures would be backfilled with processed gravel.

Depending on site-specific soil conductivity, supplemental grounding (counterpoise, in uplands only) would be installed. A quad “ditch-witch” plow-cable trencher, or equivalent/similar type of equipment, would be used to install the counterpoise after the proposed structures are constructed.

### Conductor Transfer

The transfer of the conductor from the existing structures to the new structures would occur after the replacement structures are erected. The equipment required for these activities would include cranes, bucket trucks, and tensioning rigs.

### Shield Wire Removal / OPGW Installation

The installation of the OPGW and removal of the existing copperweld shield wire would be performed after the replacement structures are erected. The equipment required for this activity would include reels, pulling and tensioning rigs, and bucket trucks.

The existing shield wire would be removed in conjunction with the installation of the OPGW. Specifically, the shield wire would be used as pulling lines for the OPGW, if possible. Helicopters may also be used to install the initial pulling lines for OPGW installation.

### Existing Structure Removal

After the replacement structures are in place, the conductor is transferred to the new structures, and the OPGW installed, the existing structures would be removed. Structure removal work would be staged from the work pads depicted on the Attachment A maps. To minimize disturbance to the wetlands, the existing wooden poles located in wetlands will be cut just above grade and left in place. The existing poles and hardware would be removed from the ROW and reused, recycled, or otherwise disposed of properly.

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Federal Aviation Administration (FAA)

Eversource filed a Notice of Proposed Construction or Alteration with the Federal Aviation Administration (“FAA”) for the airports in the vicinity of the Project. Eversource has received a “Determination of No Hazard to Air Navigation” from the FAA for all the proposed structures indicating the structures would not require marking and/or lighting. Three structures (7811, 7812, and 7815) require notification to the FAA within 5 days after the structures have been erected. Eversource will comply with the notification requirement.

Restoration

ROW restoration activities would include the removal of construction debris, signage, flagging, and temporary fencing, as well as the removal of construction mats and structure work pads that are designated for removal. Areas affected by construction would be re-graded as practical and stabilized using revegetation or other measures before removing temporary E&S controls. Eversource would perform ROW restoration in accordance with the protocols specified in the BMPs.

For work within environmentally sensitive areas, work pad restoration measures will be implemented to mitigate impacts, which includes the amendment of the work pad surface with stockpiled topsoil or fine process gravel (whichever is applicable), application of a native seed mix, and installation of temporary erosion and sediment controls (e.g., straw mulch, compost filters, biodegradable erosion control blankets, etc.), which will be regularly inspected and maintained until final stabilization has been achieved.

Gravel work pads located in NEC focus areas will be reduced where feasible and restored using a native seed mix to minimize potential effects to NEC habitat in accordance with Eversource’s 2020 New England Cottontail BMPs.

Waste Management

Waste materials, such as structure components (i.e., wood and steel from the removed structures, shield wire, associated hardware, etc.) and any other construction debris would be reclaimed through the Eversource investment recovery system and/or managed/disposed of in accordance with Eversource’s BMPs, applicable regulations or recycled consistent with applicable rules and regulations and Eversource policies. Excess soils would be managed in accordance with applicable regulations and disposal facility policies. Dewatering during construction activities

would be conducted in accordance with the *Connecticut Guidelines*, Eversource's BMPs and applicable regulations.

## **8. Construction Schedule and Work Hours**

Eversource proposes to begin construction in the 3<sup>rd</sup> quarter 2023 and to place the modified lines in-service in the 2<sup>nd</sup> quarter 2024. Multiple construction crews may work concurrently on different sections of the ROW, depending on the phase of Project work.

Normal work hours would be Monday through Saturday from 7:00 AM to 7:00 PM. However, SWPCP and other inspections may occur outside of these standard hours, as necessary, to comply with permit requirements. At the Project staging area(s), workers may arrive for and leave work outside of these times for meetings but will not perform any noisy construction activities before or after the designated work hours.

Sunday work hours or evening work hours past 7:00 PM may also be necessary due to delays caused by unforeseen circumstances, inclement weather and/or outage constraints. In the event that evening, or Sunday work shifts are necessary, Eversource will provide notice to the Council, the municipality in which the work must occur, and abutters.

## **9. Electric and Magnetic Fields**

The structure replacements and replacement of shield wires will only affect the height of conductor attachments in the immediate vicinity of the structure replacements. In general, the replacement structures will be taller than the existing structures and the Project generally will not alter the configuration of the conductors. As a result, electric and magnetic fields ("EMF") will change only slightly directly underneath the structures. At and beyond the edges of the ROW, any changes to EMF will be negligible.

## **10. Municipal and Property Owner Outreach**

In January 2023, Eversource consulted with the Towns of Lebanon, Franklin and Bozrah and the City of Norwich to brief municipal officials on the proposed Project. Eversource also provided written notice of the Petition filing (see Attachment F: Letter to the Abutters and Affidavit of Service).

In January 2023, Eversource also conducted outreach to property owners located along the ROW. In conjunction with the submission of this Petition, all abutting property owners were notified of the filing and provided information on how to obtain additional information on the Project, as well



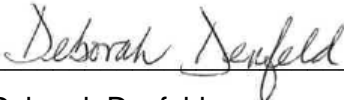
as how to submit comments to the Council. Eversource has responded to comments received to date from abutting property owners and will continue to do so throughout the project. Eversource representatives will continue to be in contact with adjacent property owners to provide advance notification as to the start of construction activities and will continue to update property owners throughout construction and restoration and respond to any inquiries or concerns.

## 11. Conclusion

Based on the foregoing, Eversource respectfully submits that the proposed modifications would not result in a substantial adverse effect on the environment, nor would they damage existing scenic, historical or recreational values. Accordingly, Eversource requests that the Council issue a declaratory ruling that the proposed modifications would have no substantial adverse environmental effect.

Communications regarding this Petition for a Declaratory Ruling should be directed to:

Deborah Denfeld  
Team Lead – Transmission Siting  
Eversource Energy  
PO Box 270  
Hartford, CT 06141-0270  
Telephone: (860) 728-4654

By:   
Deborah Denfeld

## List of Attachments

- Attachment A: Aerial Maps
- Attachment B: Cross Sections
- Attachment C: List of Structure Replacements
- Attachment D: Wetlands and Watercourses Report
- Attachment E: Vernal Pool Survey
- Attachment F: Letter to the Abutters and Affidavit of Service
- Attachment G: Sample Photos



## Attachment A:

## Aerial Maps

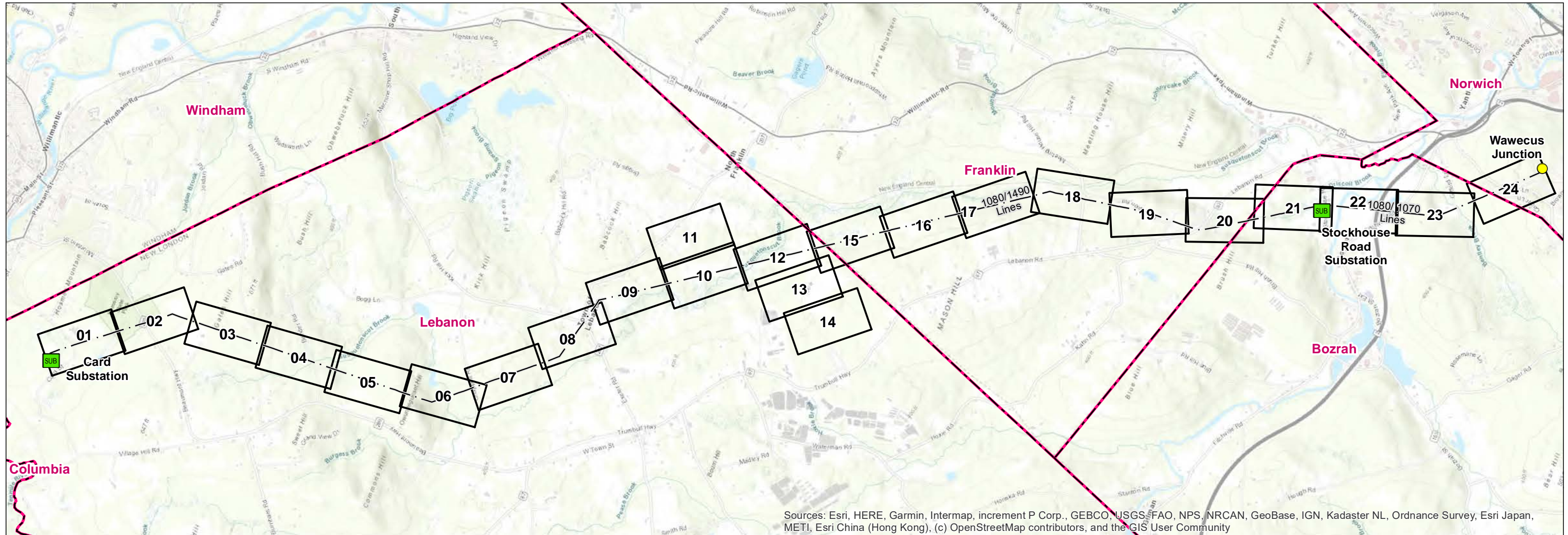


# Card Substation to Wawecus Junction Upgrade Project

Lebanon, Franklin, Bozrah, and Norwich, CT

Petition Map Set

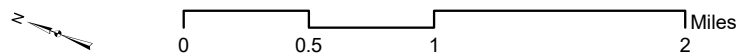
Date: April 06, 2023



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

## Legend

- Junction
- SUB Substation
- Overhead Eversource Line
- Map Sheet
- Municipal Boundary



PREPARED FOR:



107 Selden Street  
Berlin, CT 06037

## INDEX OF FIGURES

Title Sheet / Index Map  
Abutter Tables and Map Sheets 1-24

PREPARED BY:



567 Vauxhall Street Extension – Suite 311  
Waterford, CT 06385

**MAP SHEET 1 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Eversource Owned Property - Card Street Sub Station
- Residential
- Commercial
- Undeveloped, Forest
- State Owned Property - Pomeroy State Park Scenic Reserve

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Maintained ROW
- Eversource Owned Property
- State Owned Property - Pomeroy State Park Scenic Reserve

*Water Resources*

- Wetlands – W1- W3 & VP1 (W3)
- Wetland Cover Types – PEM & PSS
- Watercourses – None

*Wetland and Watercourse Crossings*

- W1 – Matted Work Pad for Structure 7815

*Right-of-Way Vegetation*

- Scrub-shrub

*Access*

- Structures 7815-7811 – Card Street

*Road Crossings*

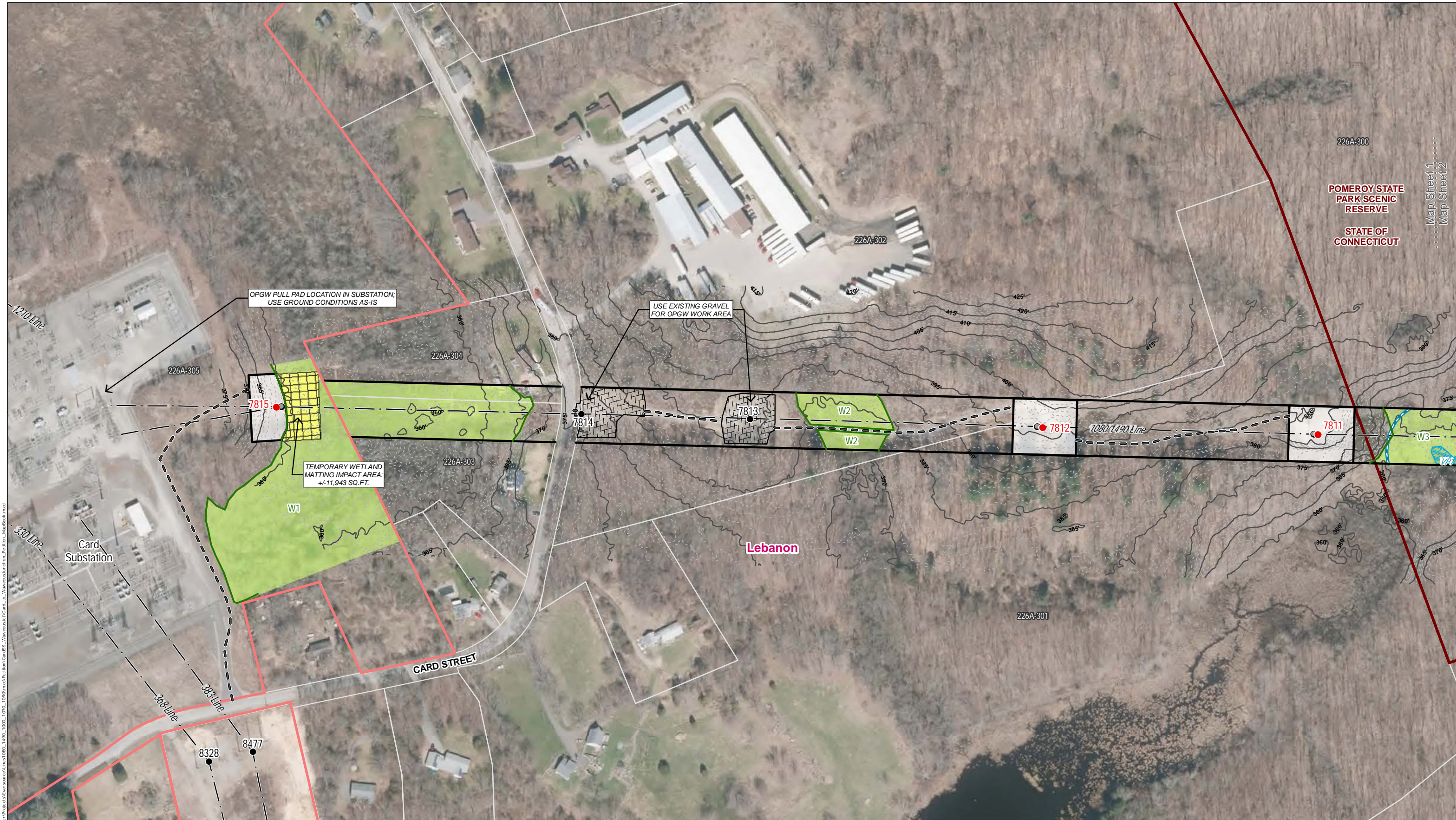
- Card Street

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-300	BEAUMONT HWY	LEBANON	CT	STATE OF CONNECTICUT
226A-301	116 CARD ST	LEBANON	CT	DANIEL P DURNIK AND ANITA DURNIK
226A-302	74 CARD ST	LEBANON	CT	CHAIM MITLITSKY AND ADA MITLITSKY
226A-303	99 CARD ST	LEBANON	CT	BRUCE A CAMPBELL AND LINDA J CAMPBELL
226A-304	87 CARD ST	LEBANON	CT	LYNWOOD E SHAW AND LAURIE A SHAW
226A-305	141 CARD ST	LEBANON	CT	CONNECTICUT LIGHT AND POWER COMPANY





Map Sheet 1  
Map Sheet 2

POMEROY STATE  
PARK SCENIC  
RESERVE  
  
STATE OF  
CONNECTICUT

OPGW PULL PAD LOCATION IN SUBSTATION;  
USE GROUND CONDITIONS AS-IS

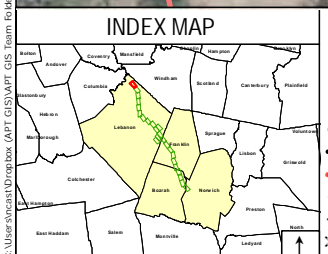
USE EXISTING GRAVEL  
FOR OPGW WORK AREA

TEMPORARY WETLAND  
MATTING IMPACT AREA:  
±11,943 SQ.FT.

Card  
Substation

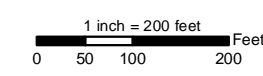
Lebanon

CARD STREET



Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	● Stone Work Pad
--- Overhead Eversource Line	⊠ Existing Gravel
--- Existing Right-of-Way (ROW)	⊠ Temporary Construction Matting
--- Approx. Gas Line ROW	⊠ Area of Limited Tree Removal
--- 1' Contour Line	⊠ Railroad
--- 5' Contour Line	⊠ Existing Access
⊠ Fence	
⊠ Proposed Access	⊠ Ordinary High Water Mark
⊠ Off-ROW Access Pending Rights	⊠ Confirmed Vernal Pool Extent
⊠ Delineated Wetland Boundary Outline	⊠ 100' Vernal Pool Envelope
⊠ Field Delineated Wetland	⊠ Natural Diversity Database Area (Dec. 2022; none in mapped extent)
⊠ CT Alluvial Wetland Only	⊠ NE Cottontail Focus Area
⊠ Open Water	⊠ FEMA 100-Year Flood Zone
⊠ Delineated Perennial Stream	⊠ FEMA 500-Year Flood Zone
⊠ Delineated Intermittent Watercourse	⊠ FEMA Floodway
⊠ Coastal Boundary	
⊠ Eversource Owned Property	
⊠ State Owned Property	
⊠ Parcel Boundary	
⊠ Municipal Boundary	
⊠ Map Sheet Matchline	

Map Notes:  
This mapping product has been created to comply with  
submittal requirements to obtain certain regulatory approvals  
and, as such, there is no reliance on the information contained  
herein for any other purpose. Parcels, ROW boundaries, and  
structure locations are approximate (NOT from survey).  
Parcel abutters data provided by Eversource Aug 2022.



NO.	DATE	REVISIONS

**EVERSOURCE**  
ENERGY

Card Substation to Wawecus Junction  
Upgrade Project

Lebanon, CT

Map Sheet 01 of 24

Date: April, 2023



**MAP SHEET 2 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agriculture
- Undeveloped, Forest
- State Owned Property - Pomeroy State Park Scenic Reserve

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agriculture
- Maintained ROW
- State Owned Property - Pomeroy State Park Scenic Reserve
- Algonquin Gas Transmission Easement ROW

*Water Resources*

- Wetlands – W3- W4 & VP-1 (W3) & VP-2 (W4)
- Wetland Cover Types – PEM & PSS
- Watercourses – none

*Wetland and Watercourse Crossings*

- W4 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7810 & 7809 – Beaumont Highway
- Structures 7808 – 7804 – Beaumont Highway & Bender Road (Map Sheet 4)

*Road Crossings*

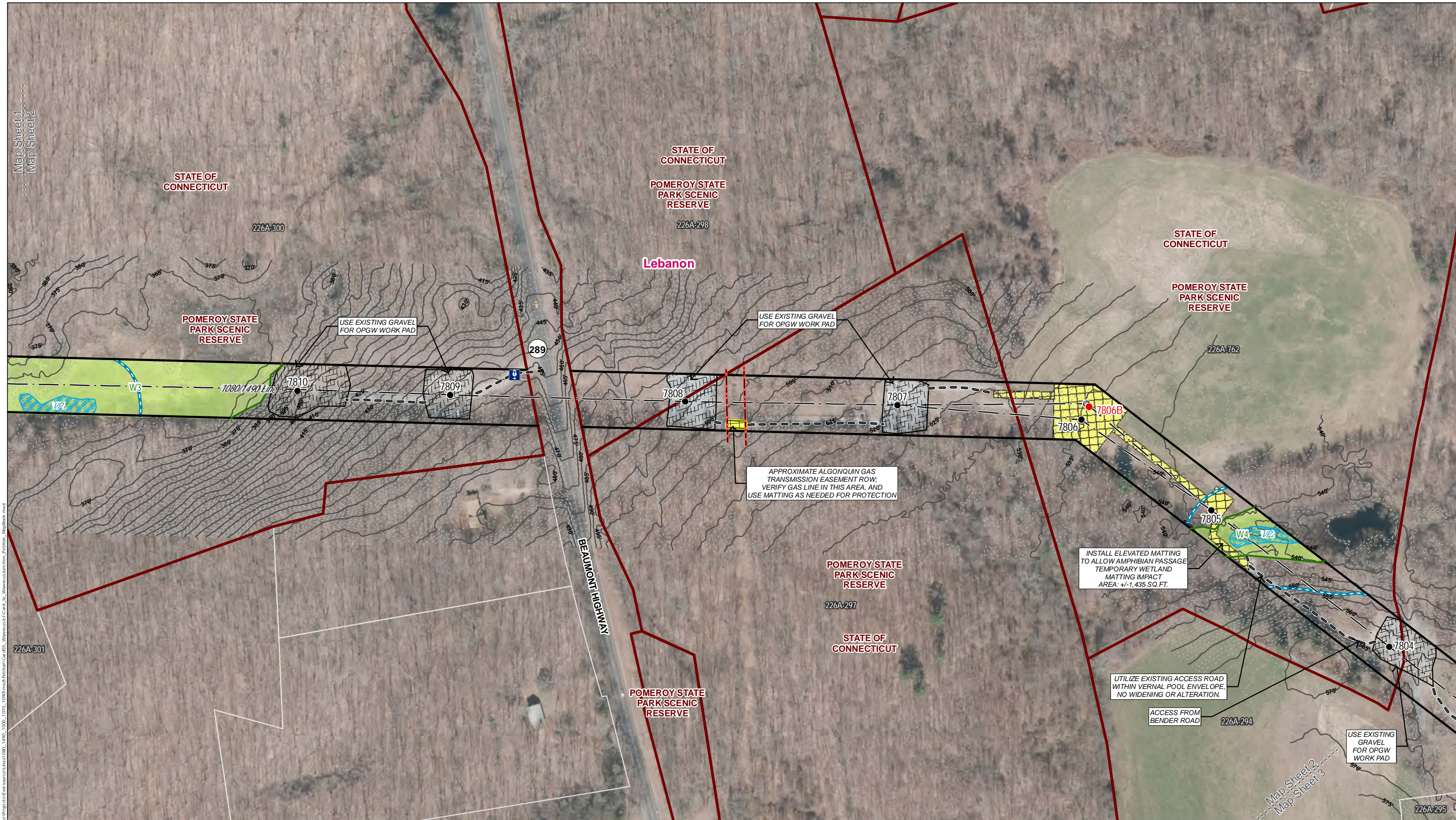
- Beaumont Highway

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-294	RAFFERTY RD	LEBANON	CT	JAMES H NORTHROP
226A-295	118 RAFFERTY RD	LEBANON	CT	CAROL A BENDER
226A-297	BEAUMONT HWY	LEBANON	CT	STATE OF CONNECTICUT
226A-298	BEAUMONT HWY	LEBANON	CT	STATE OF CONNECTICUT
226A-300	BEAUMONT HWY	LEBANON	CT	STATE OF CONNECTICUT
226A-301	116 CARD ST	LEBANON	CT	DANIEL P DURNIK AND ANITA DURNIK
226A-762	N/A	LEBANON	CT	OWNER UNKNOWN PER TOWN ASSESSOR





Legend	
● Proposed Structure	Gate
○ Existing Structure to be Removed	Culvert
● Existing Structure	Stone Work Pad
--- Overhead Eversource Line	Existing Gravel
--- Existing Right-of-Way (ROW)	Temporary Construction Matting
--- Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
--- Fence	
--- Proposed Access	Ordinary High Water Mark
--- Off-ROW Access Pending Rights	Confirmed Vernal Pool Extent
--- Delineated Wetland Boundary Outline	100' Vernal Pool Envelope
--- Field Delineated Wetland	Natural Diversity Database Area (Dec. 2022; none in mapped extent)
--- CT Alluvial Wetland Only	NE Cottontail Focus Area
--- Open Water	FEMA 100-Year Flood Zone
--- Delineated Perennial Stream	FEMA 500-Year Flood Zone
--- Delineated Intermittent Watercourse	FEMA Floodway
--- Coastal Boundary	
--- Eversource Owned Property	
--- State Owned Property	
--- Parcel Boundary	
--- Municipal Boundary	
--- Map Sheet Matchline	

**Map Notes:**  
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose. Parcels, ROW boundaries, and structure locations are approximate (NOT from survey). Parcel abutters data provided by Eversource Aug 2022.

1 inch = 200 feet  
 0 50 100 200 Feet

<b>EVERSOURCE ENERGY</b>	
Card Substation to Wawecus Junction Upgrade Project	
Lebanon, CT	
Map Sheet 02 of 24	
Date: April, 2023	
NO.	DATE
REVISIONS	





**MAP SHEET 3 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agriculture
- Undeveloped, Forest
- Cultural Resource Location

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agriculture
- Maintained ROW
- State Owned Property - Pomeroy State Park Scenic Reserve Cultural Resource Location

*Water Resources*

- Wetlands – W5 & W6
- Wetland Cover Types – PEM & PSS
- Watercourses – S1

*Wetland and Watercourse Crossings*

- W5 & S1 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7804 and 7799 – Beaumont Highway (Map Sheet 2) & Bender Road (Map Sheet 4)

*Road Crossings*

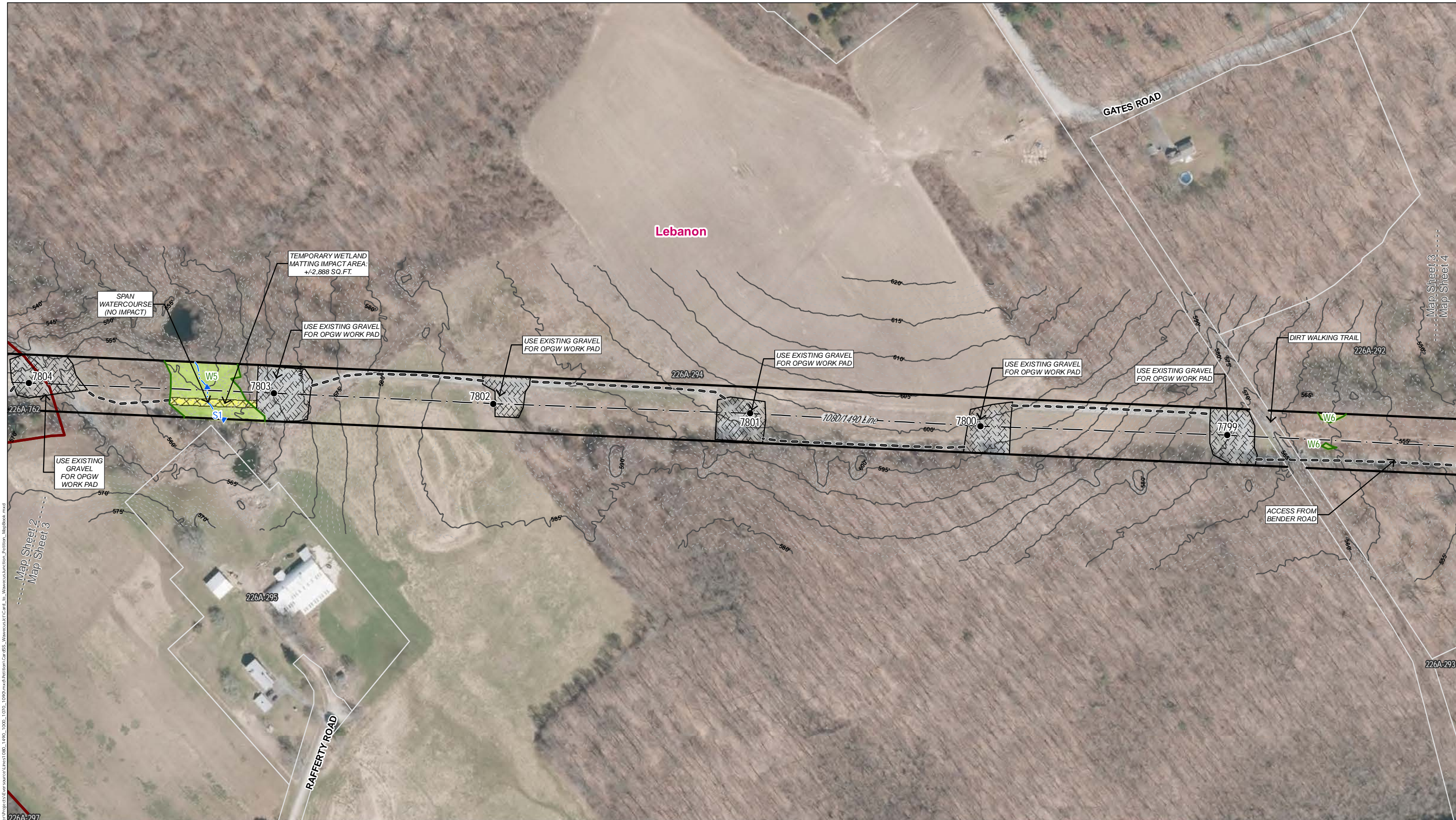
- N/A

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

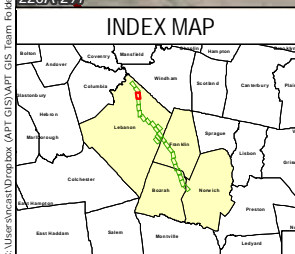
<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-292	BENDER RD	LEBANON	CT	RAY FLEGERT
226A-293	OLD HWY	LEBANON	CT	MATTHEW SEGAL AND ANDREW SEGAL
226A-294	RAFFERTY RD	LEBANON	CT	JAMES H NORTHROP
226A-295	118 RAFFERTY RD	LEBANON	CT	CAROL A BENDER
226A-762	N/A	LEBANON	CT	OWNER UNKNOWN PER TOWN ASSESSOR





C:\Users\stuart\OneDrive\Documents\Projects\Lebanon\1080\_1490\1080\_1490.mxd\MapInfo\Card\_03\_WawecusJunction\_Plotting\_MapBook.mxd  
 Map Sheet 2  
 Map Sheet 3

Map Sheet 3  
 Map Sheet 4



Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	● Stone Work Pad
--- Overhead Eversource Line	⊠ Existing Gravel
--- Existing Right-of-Way (ROW)	⊠ Temporary Construction Matting
--- Approx. Gas Line ROW	⊠ Area of Limited Tree Removal
--- 1' Contour Line	⊠ Railroad
--- 5' Contour Line	⊠ Existing Access
⊠ Fence	
--- Proposed Access	--- Ordinary High Water Mark
--- Off-ROW Access Pending Rights	--- Confirmed Vernal Pool Extent
--- Delineated Wetland Boundary Outline	--- 100' Vernal Pool Envelope
--- Field Delineated Wetland	--- Natural Diversity Database Area (Dec. 2022; none in mapped extent)
--- CT Alluvial Wetland Only	--- NE Cottontail Focus Area
--- Open Water	--- FEMA 100-Year Flood Zone
--- Delineated Perennial Stream	--- FEMA 500-Year Flood Zone
--- Delineated Intermittent Watercourse	--- FEMA Floodway
--- Coastal Boundary	
--- Eversource Owned Property	
--- State Owned Property	
--- Parcel Boundary	
--- Municipal Boundary	
--- Map Sheet Matchline	

Map Notes:  
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose. Parcels, ROW boundaries, and structure locations are approximate (NOT from survey). Parcel attributes data provided by Eversource Aug 2022.

1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Lebanon, CT  
 Map Sheet 03 of 24  
 Date: April, 2023



**MAP SHEET 4 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agriculture
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone
- Susquetonscut Brook

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Agriculture
- Maintained ROW
- 100-Year Flood Zone
- Susquetonscut Brook

*Water Resources*

- Wetlands – W7 & VP3 (W7)
- Wetland Cover Types – PEM & PSS
- Watercourses – S2

*Wetland and Watercourse Crossings*

- W7 – Matted Access Road and Work Pad

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7798 - 7793 – Bender Road & Beaumont Highway (Map Sheet 2)

*Road Crossings*

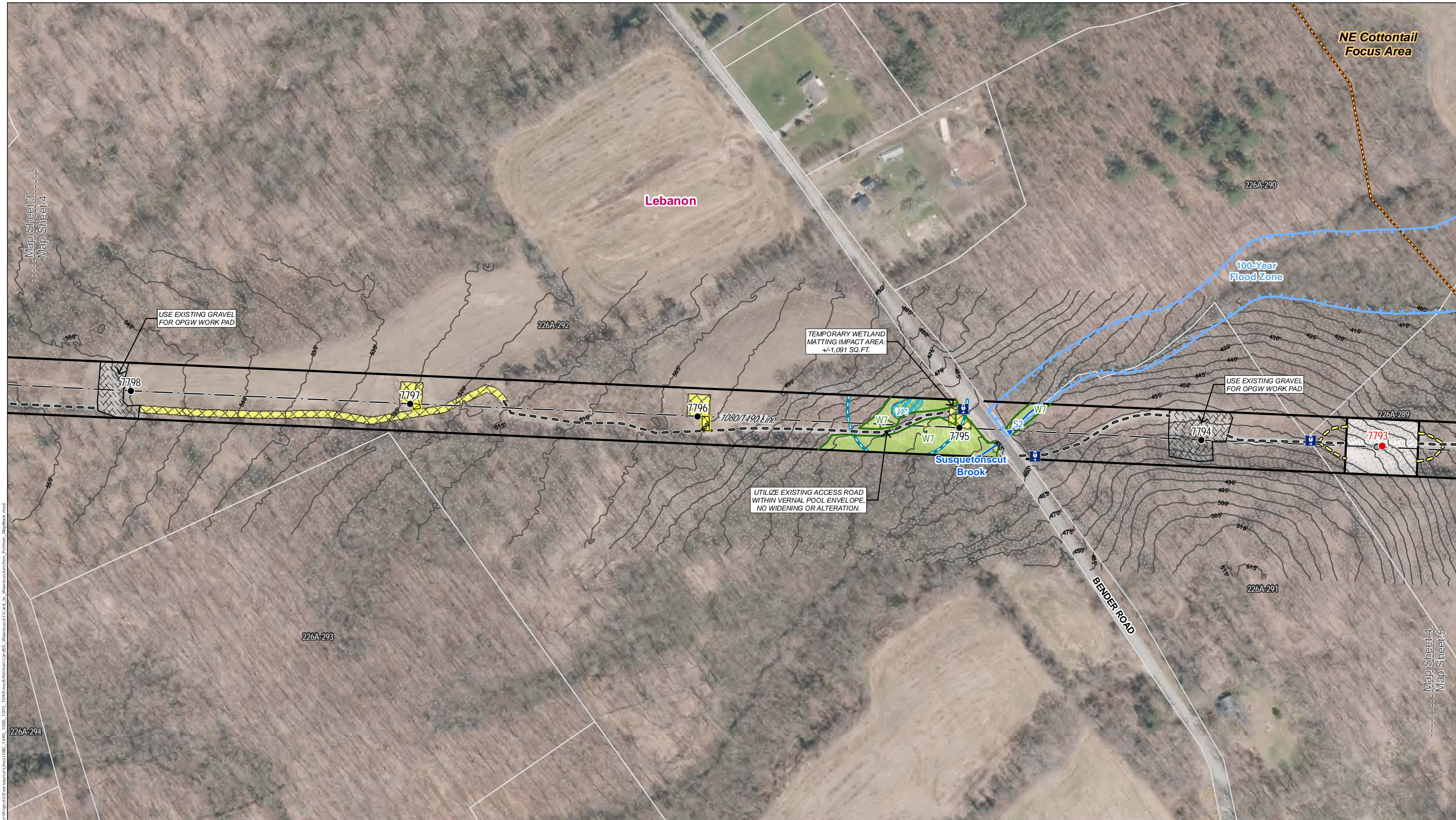
- Bender Road

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-289	618 BEAUMONT HWY	LEBANON	CT	SMITH BEAUMONT PROPERTIES LLC
226A-290	BOGG LN	LEBANON	CT	GREEN GATE LLC
226A-291	219 BENDER RD	LEBANON	CT	RAY FLEGERT
226A-292	BENDER RD	LEBANON	CT	RAY FLEGERT
226A-293	OLD HWY	LEBANON	CT	MATTHEW SEGAL AND ANDREW SEGAL
226A-294	RAFFERTY RD	LEBANON	CT	JAMES H NORTHROP





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	Culvert
● Existing Structure	Stone Work Pad
--- Overhead Eversource Line	Existing Gravel
--- Existing Right-of-Way (ROW)	Temporary Construction Matting
--- Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
--- Fence	
--- Proposed Access	--- Ordinary High Water Mark
--- Off-ROW Access Pending Rights	Confirmed Vernal Pool Extent
--- Delineated Wetland Boundary Outline	100' Vernal Pool Envelope
--- Field Delineated Wetland	Natural Diversity Database Area (Dec. 2022; none in mapped extent)
--- CT Alluvial Wetland Only	NE Cottontail Focus Area
--- Open Water	FEMA 100-Year Flood Zone
--- Delineated Perennial Stream	FEMA 500-Year Flood Zone
--- Delineated Intermittent Watercourse	FEMA Floodway
	Coastal Boundary
	Eversource Owned Property
	Slate Owned Property
	Parcel Boundary
	Municipal Boundary
	Map Sheet Matchline

**Map Notes:**  
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1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Lebanon, CT  
 Map Sheet 04 of 24  
 Date: April, 2023



**MAP SHEET 5 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Undeveloped, Forest
- Agriculture
- 100-Year Flood Zone
- CT New England Cottontail (CT NEC) Focus Area
- Algonquin Gas Transmission Easement ROW

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-287	BEAUMONT HWY	LEBANON	CT	CORY R SPAULDING AND LESLIE A YEISLEY
226A-289	618 BEAUMONT HWY	LEBANON	CT	SMITH BEAUMONT PROPERTIES LLC
226A-290	BOGG LN	LEBANON	CT	GREEN GATE LLC
226A-291	219 BENDER RD	LEBANON	CT	RAY FLEGERT

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- Algonquin Gas Transmission Easement ROW

*Water Resources*

- Wetlands – W8 & VP4, 5, 6 (W8)
- Wetland Cover Types – PEM & PSS
- Watercourses – None

*Wetland and Watercourse Crossings*

- W8 – Proposed Structure 7792, Matted Work Pad and Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub

*Access*

- Structures 7792 - 7789 – Bender Road (Map Sheet 4)

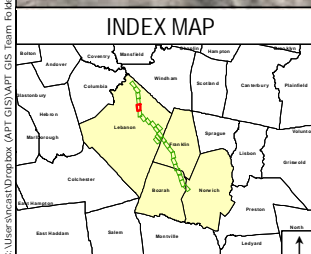
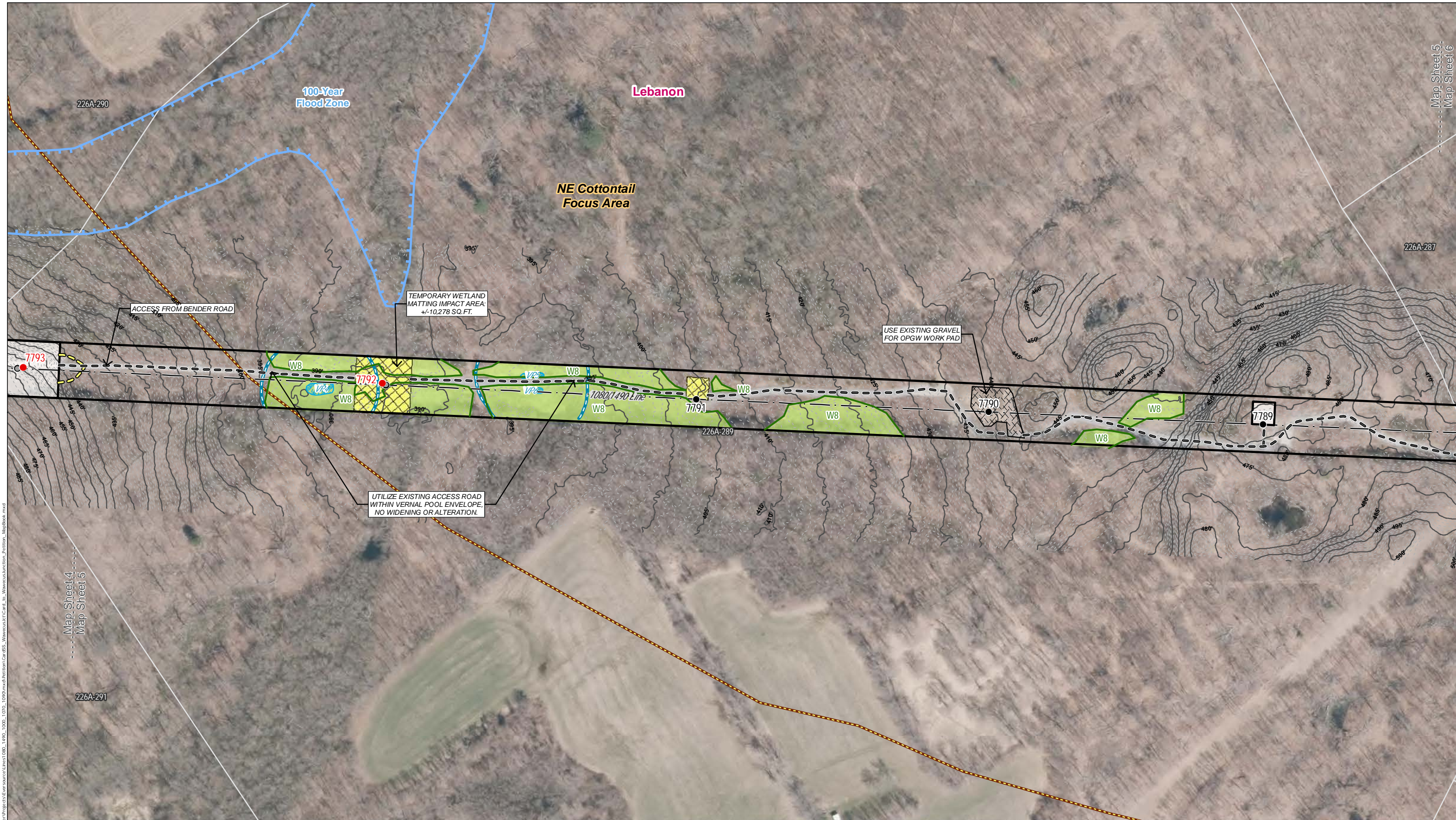
*Road Crossings*

- None

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	■ Stone Work Pad
— Overhead Eversource Line	■ Existing Gravel
— Existing Right-of-Way (ROW)	■ Temporary Construction Matting
— Approx. Gas Line ROW	■ Area of Limited Tree Removal
— 1' Contour Line	— Railroad
— 5' Contour Line	— Existing Access
— Fence	— Proposed Access
— Off-ROW Access Pending Rights	— Delineated Wetland Boundary Outline
— Delineated Wetland Boundary Outline	— Field Delineated Wetland
— Field Delineated Wetland	— CT Alluvial Wetland Only
— CT Alluvial Wetland Only	— Open Water
— Open Water	— Delineated Perennial Stream
— Delineated Perennial Stream	— Delineated Intermittent Watercourse
— Delineated Intermittent Watercourse	— Ordinary High Water Mark
— Ordinary High Water Mark	— Confirmed Vernal Pool Extent
— Confirmed Vernal Pool Extent	— 100' Vernal Pool Envelope
— 100' Vernal Pool Envelope	— Natural Diversity Database Area (Dec. 2022; none in mapped extent)
— Natural Diversity Database Area (Dec. 2022; none in mapped extent)	— NE Cottontail Focus Area
— NE Cottontail Focus Area	— FEMA 100-Year Flood Zone
— FEMA 100-Year Flood Zone	— FEMA 500-Year Flood Zone
— FEMA 500-Year Flood Zone	— FEMA Floodway
— FEMA Floodway	— Coastal Boundary
— Coastal Boundary	— Eversource Owned Property
— Eversource Owned Property	— State Owned Property
— State Owned Property	— Parcel Boundary
— Parcel Boundary	— Municipal Boundary
— Municipal Boundary	— Map Sheet Matchline

**Map Notes:**  
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1 inch = 200 feet  
0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**

Card Substation to Wawecus Junction Upgrade Project

Lebanon, CT

Map Sheet 05 of 24

Date: April, 2023

**ALL-POINTS TECHNOLOGY CORPORATION**



## MAP SHEET 6 OF 24

### Card Substation to Wawecus Junction Upgrade Project

#### Town of Lebanon, Connecticut

#### **AREA DESCRIPTION**

##### *Existing Land Use & Resource Areas*

- Residential
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone
- Hayward Pond
- Algonquin Gas Transmission Easement ROW

#### **RIGHT-OF-WAY DESCRIPTION**

##### *Right-of-Way Land Use & Resource Areas*

- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone
- Algonquin Gas Transmission Easement ROW

##### *Water Resources*

- Wetlands – W9 & W10
- Wetland Cover Types – PEM & PSS
- Watercourses – S3

##### *Wetland and Watercourse Crossings*

- W9 – Matted Access Road
- W10 – Matted Access Road

##### *Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

##### *Access*

- Structures 7788 – 7784 – Bender Road (Map Sheet 4)
- Structures 7783 & 7782 – Chappell Road
- Structure 7781 – Chappell Road & Kick Hill Road (Map Sheet 8)

##### *Road Crossings*

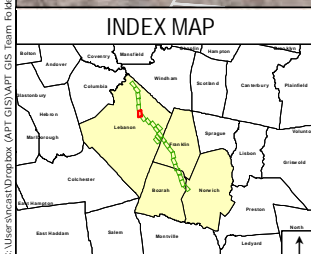
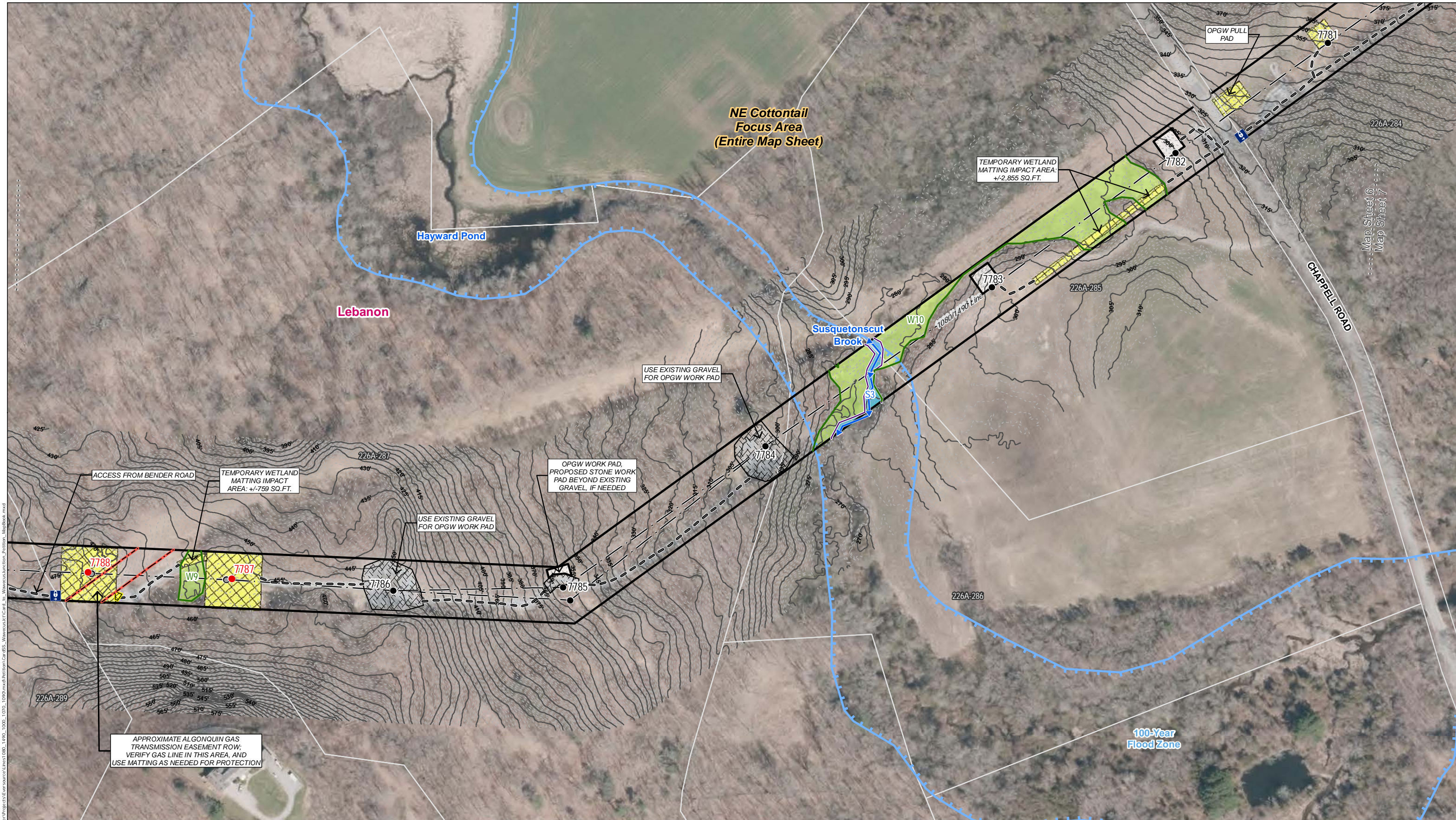
- Chappell Road

##### *Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-284	49 CHAPPELL RD	LEBANON	CT	GREEN GATE LLC
226A-285	CHAPPELL RD	LEBANON	CT	GREEN GATE LLC
226A-286	CHAPPELL RD	LEBANON	CT	GREEN GATE LLC
226A-287	BEAUMONT HWY	LEBANON	CT	CORY R SPAULDING AND LESLIE A YEISLEY
226A-289	618 BEAUMONT HWY	LEBANON	CT	SMITH BEAUMONT PROPERTIES LLC





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	Culvert
● Existing Structure	Stone Work Pad
— Overhead Eversource Line	Existing Gravel
— Existing Right-of-Way (ROW)	Temporary Construction Matting
— Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
⌘=⌘=⌘= Fence	
— Proposed Access	— Ordinary High Water Mark
— Off-ROW Access Pending Rights	— Confirmed Vernal Pool Extent
— Delineated Wetland Boundary Outline	— 100' Vernal Pool Envelope
— Field Delineated Wetland	— Natural Diversity Database Area (Dec. 2022: none in mapped extent)
— CT Alluvial Wetland Only	— NE Cottontail Focus Area
— Open Water	— FEMA 100-Year Flood Zone
— Delineated Perennial Stream	— FEMA 500-Year Flood Zone
— Delineated Intermittent Watercourse	— FEMA Floodway

**Map Notes:**  
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1 inch = 200 feet  
0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**

**Card Substation to Wawecus Junction Upgrade Project**

Lebanon, CT

Map Sheet 06 of 24

Date: April, 2023

**ALL-POINTS TECHNOLOGY CORPORATION**



**MAP SHEET 7 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone
- Archeological Sensitive Area

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agricultural
- Maintained ROW
- NE England Cottontail Focus Area
- Susquetonscut Brook
- Archeological Sensitive Area

*Water Resources*

- Wetlands – W11-W13
- Wetland Cover Types – PEM & PSS
- Watercourses – S4

*Wetland and Watercourse Crossings*

- S4 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7781 – 7776 – Chappell Road & Kick Hill Road (Map Sheet 8)

*Road Crossings*

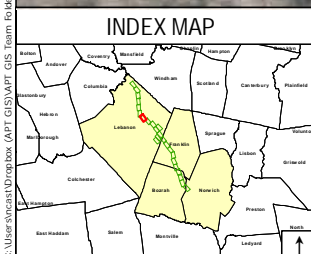
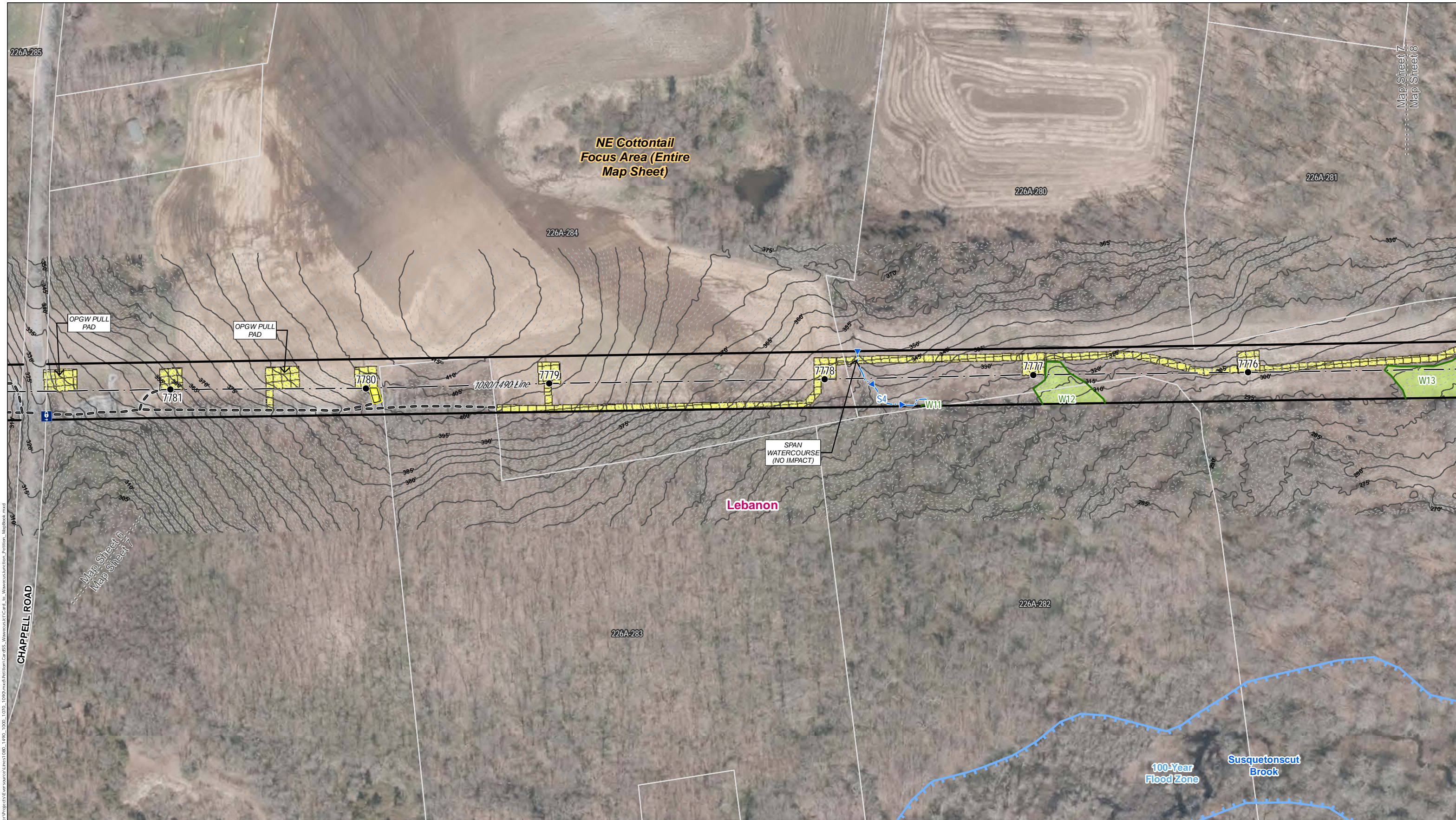
- Chappell Road

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

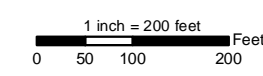
<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-280	TRUMBULL HWY	LEBANON	CT	JAMES E MCCAW
226A-281	KICK HILL RD	LEBANON	CT	FRANK W BLAKESLEE
226A-282	744 TRUMBULL HWY	LEBANON	CT	JUDITH E LARSEN AND KLAUS LARSEN
226A-283	TRUMBULL HWY	LEBANON	CT	GAIL J PIOTRKOWSKI TRUSTEE
226A-284	49 CHAPPELL RD	LEBANON	CT	GREEN GATE LLC
226A-285	CHAPPELL RD	LEBANON	CT	GREEN GATE LLC





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	Culvert
● Existing Structure	Stone Work Pad
— Overhead Eversource Line	Existing Gravel
— Existing Right-of-Way (ROW)	Temporary Construction Matting
— Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
⊗ = ⊗ = ⊗ Fence	
— Proposed Access	— Ordinary High Water Mark
— Off-ROW Access Pending Rights	Confirmed Vernal Pool Extent
— Delineated Wetland Boundary Outline	100' Vernal Pool Envelope
— Field Delineated Wetland	Natural Diversity Database Area (Dec. 2022: none in mapped extent)
— CT Alluvial Wetland Only	NE Cottontail Focus Area
— Open Water	FEMA 100-Year Flood Zone
— Delineated Perennial Stream	FEMA 500-Year Flood Zone
— Delineated Intermittent Watercourse	FEMA Floodway
	Coastal Boundary
	Eversource Owned Property
	Slate Owned Property
	Parcel Boundary
	Municipal Boundary
	Map Sheet Matchline

*Map Notes:*  
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NO.		DATE		REVISIONS	



**Card Substation to Wawecus Junction Upgrade Project**

Lebanon, CT

Map Sheet 07 of 24

Date: April, 2023





**MAP SHEET 8 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone
- Algonquin Gas Transmission Easement ROW

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agricultural
- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- Algonquin Gas Transmission Easement ROW

*Water Resources*

- Wetlands – W13 - W18
- Wetland Cover Types – PEM & PSS
- Watercourses – S5

*Wetland and Watercourse Crossings*

- W13 – Matted Access Road
- W15 & S5 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7775 - 7772 – Kick Hill Road & Chappell Road (Map Sheet 7)
- Structure 7771 – Kick Hill Road
- Structures 7770 & 7769 – Exeter Road (CT Rt. 207)

*Road Crossings*

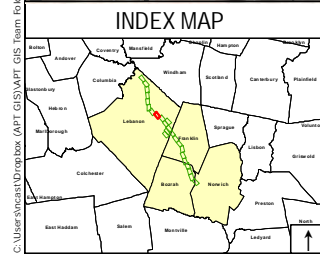
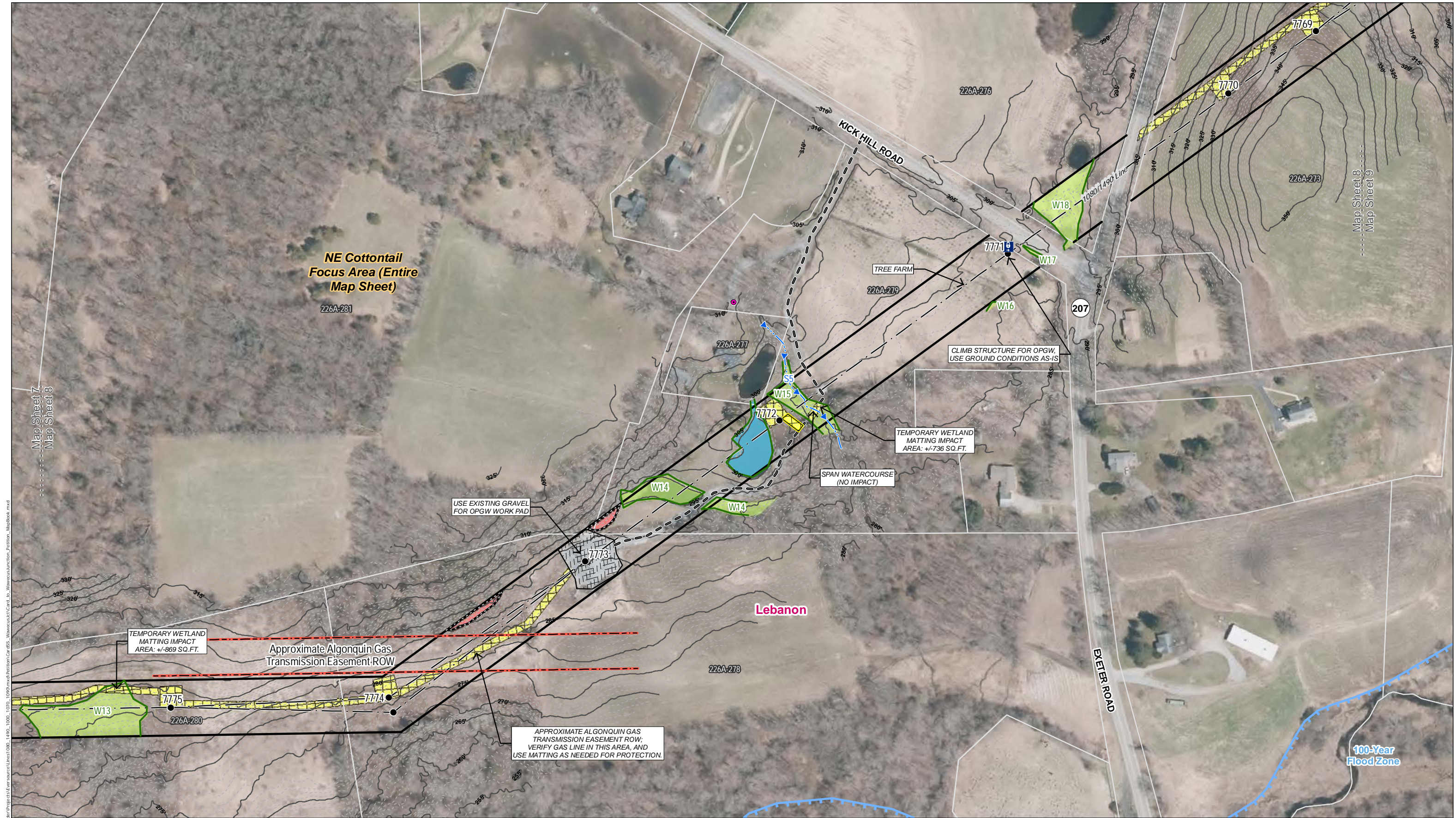
- Kick Hill Road
- Exeter Road (CT Rt. 207)

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<b>LLN</b>	<b>Parcel Address</b>	<b>City</b>	<b>State</b>	<b>Owner</b>
226A-273	EXETER RD	LEBANON	CT	GREEN GATE LLC
226A-276	KICK HILL RD	LEBANON	CT	JOHN LEYDEN AND BARBARA J LEYDEN
226A-277	487 KICK HILL RD	LEBANON	CT	SANDRA BLAKESLEE
226A-278	468 EXETER RD	LEBANON	CT	GREEN GATE LLC
226A-279	KICK HILL RD	LEBANON	CT	SANDRA M BLAKESLEE
226A-280	TRUMBULL HWY	LEBANON	CT	JAMES E MCCAWE
226A-281	KICK HILL RD	LEBANON	CT	FRANK W BLAKESLEE





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	● Stone Work Pad
— Overhead Eversource Line	⊗ Existing Gravel
— Existing Right-of-Way (ROW)	⊗ Temporary Construction Matting
— Approx. Gas Line ROW	⊗ Area of Limited Tree Removal
— 1' Contour Line	— Railroad
— 5' Contour Line	— Existing Access
⊗ = ⊗ = ⊗ Fence	
— Proposed Access	— Ordinary High Water Mark
— Off-ROW Access Pending Rights	— Confirmed Vernal Pool Extent
— Delineated Wetland Boundary Outline	— 100' Vernal Pool Envelope
— Field Delineated Wetland	— Natural Diversity Database Area (Dec. 2022; none in mapped extent)
— CT Alluvial Wetland Only	— NE Cottontail Focus Area
— Open Water	— FEMA 100-Year Flood Zone
— Delineated Perennial Stream	— FEMA 500-Year Flood Zone
— Delineated Intermittent Watercourse	— FEMA Floodway
— Coastal Boundary	
— Eversource Owned Property	
— State Owned Property	
— Parcel Boundary	
— Municipal Boundary	
— Map Sheet Malchline	

*Map Notes:*  
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1 inch = 200 feet  
0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
Card Substation to Wawecus Junction Upgrade Project  
Lebanon, CT  
Map Sheet 08 of 24  
Date: April, 2023

**ALL-POINTS TECHNOLOGY CORPORATION**



**MAP SHEET 9 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agricultural
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone

*Water Resources*

- Wetlands – W19
- Wetland Cover Types – PEM & PSS
- Watercourses – S6

*Wetland and Watercourse Crossings*

- W19 –Matted Work Padand Matted Access Roads

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7769, 7769A & 7769B – Exeter Road (Rt. 207)
- Structures 7767 – 7763 – Lebanon Transfer Station / Exeter Road (Rt. 207) (Map Sheet 10 &11)

*Road Crossings*

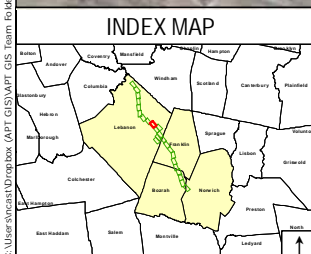
- None

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<b>LLN</b>	<b>Parcel Address</b>	<b>City</b>	<b>State</b>	<b>Owner</b>
226A-267	171 EXETER RD	LEBANON	CT	TOWN OF LEBANON
226A-268	217 EXETER RD	LEBANON	CT	ROBERT MEYER AND SARAH MEYER
226A-269	245 EXETER RD	LEBANON	CT	DOUGLAS E BRAGG AND MICHELLE A BRAGG
226A-270	247 EXETER RD	LEBANON	CT	DIANNA R STEINMILLER AND LUKE STEINMILLER
226A-271	261 EXETER RD	LEBANON	CT	CASSONDRA HUCKLE AND CRAIG LAWRENCE
226A-272	267 EXETER RD	LEBANON	CT	AILI PLESZ
226A-273	EXETER RD	LEBANON	CT	GREEN GATE LLC
226A-276	KICK HILL RD	LEBANON	CT	JOHN LEYDEN AND BARBARA J LEYDEN





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	● Stone Work Pad
— Overhead Eversource Line	⊗ Existing Gravel
— Existing Right-of-Way (ROW)	⊗ Temporary Construction Matting
— Approx. Gas Line ROW	⊗ Area of Limited Tree Removal
--- 1' Contour Line	— Railroad
--- 5' Contour Line	— Existing Access
⊗ = ⊗ = ⊗ Fence	
— Proposed Access	— Ordinary High Water Mark
— Off-ROW Access Pending Rights	— Confirmed Vernal Pool Extent
— Delineated Wetland Boundary Outline	— 100' Vernal Pool Envelope
— Field Delineated Wetland	— Natural Diversity Database Area (Dec. 2022; none in mapped extent)
— CT Alluvial Wetland Only	— NE Cottontail Focus Area
— Open Water	— FEMA 100-Year Flood Zone
— Delineated Perennial Stream	— FEMA 500-Year Flood Zone
— Delineated Intermittent Watercourse	— FEMA Floodway
— Coastal Boundary	
— Eversource Owned Property	
— State Owned Property	
— Parcel Boundary	
— Municipal Boundary	
— Map Sheet Matchline	

**Map Notes:**  
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose. Parcels, ROW boundaries, and structure locations are approximate (NOT from survey). Parcel attributes data provided by Eversource Aug 2022.

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Lebanon, CT  
 Map Sheet 09 of 24  
 Date: April, 2023

C:\Users\stas\OneDrive\AP\GIS\Map\GIS\Map\Projects\Eversource\Lebanon\_1490\_1000\_1070\_1090\mxd\Print\Card\_Susquetonscut\Card\_09\_Wawecus\junction\_Printton\_MapBook.mxd

Map Sheet 9  
 Map Sheet 10



**MAP SHEET 10 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Agricultural
- Undeveloped, Forest
- Lebanon Transfer Station
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agricultural
- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone

*Water Resources*

- Wetlands – W19 - W21
- Wetland Cover Types – PEM & PSS
- Watercourses – S7

*Wetland and Watercourse Crossings*

- S7 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7762 – 7759 – Lebanon Transfer Station / Exeter Road (CT Rt. 207) (Map Sheet 11)
- Structures 7758 – Lebanon Transfer Station / Exeter Road (CT Rt. 207) (Map Sheet 11)

*Road Crossings*

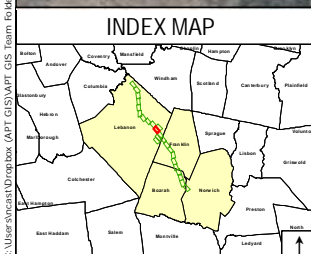
- None

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

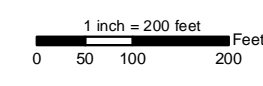
<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-267	171 EXETER RD	LEBANON	CT	TOWN OF LEBANON





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	■ Stone Work Pad
--- Overhead Eversource Line	■ Existing Gravel
--- Existing Right-of-Way (ROW)	■ Temporary Construction Matting
--- Approx. Gas Line ROW	■ Area of Limited Tree Removal
--- 1' Contour Line	--- Railroad
--- 5' Contour Line	--- Existing Access
--- Fence	--- Proposed Access
--- Off-ROW Access Pending Rights	--- Delineated Wetland Boundary Outline
--- Delineated Wetland Boundary Outline	■ Field Delineated Wetland
■ Field Delineated Wetland	■ CT Alluvial Wetland Only
■ CT Alluvial Wetland Only	■ Open Water
■ NE Cottontail Focus Area	--- Delineated Perennial Stream
■ FEMA 100-Year Flood Zone	--- Delineated Intermittent Watercourse
■ FEMA 500-Year Flood Zone	--- Ordinary High Water Mark
■ FEMA Floodway	■ Confirmed Vernal Pool Extent
■ Confirmed Vernal Pool Extent	■ 100' Vernal Pool Envelope
■ 100' Vernal Pool Envelope	■ Coastal Boundary
■ Coastal Boundary	■ Eversource Owned Property
■ Eversource Owned Property	■ State Owned Property
■ State Owned Property	■ Parcel Boundary
■ Parcel Boundary	■ Municipal Boundary
■ Municipal Boundary	--- Map Sheet Matchline

**Map Notes:**  
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose. Parcels, ROW boundaries, and structure locations are approximate (NOT from survey). Parcel boundaries data provided by Eversource Aug 2022.



<b>EVERSOURCE ENERGY</b>	
Card Substation to Wawecus Junction Upgrade Project	
Lebanon, CT	
Map Sheet 10 of 24	
Date: April, 2023	
NO.	DATE
	REVISIONS





**MAP SHEET 11 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Lebanon Transfer Station
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- N/A

*Water Resources*

- Wetlands – N/A
- Wetland Cover Types – N/A
- Watercourses – N/A

*Wetland and Watercourse Crossings*

- N/A

*Right-of-Way Vegetation*

- N/A

*Access*

- Exeter Road (CT Rt. 207) to Structures 7767-7757

*Road Crossings*

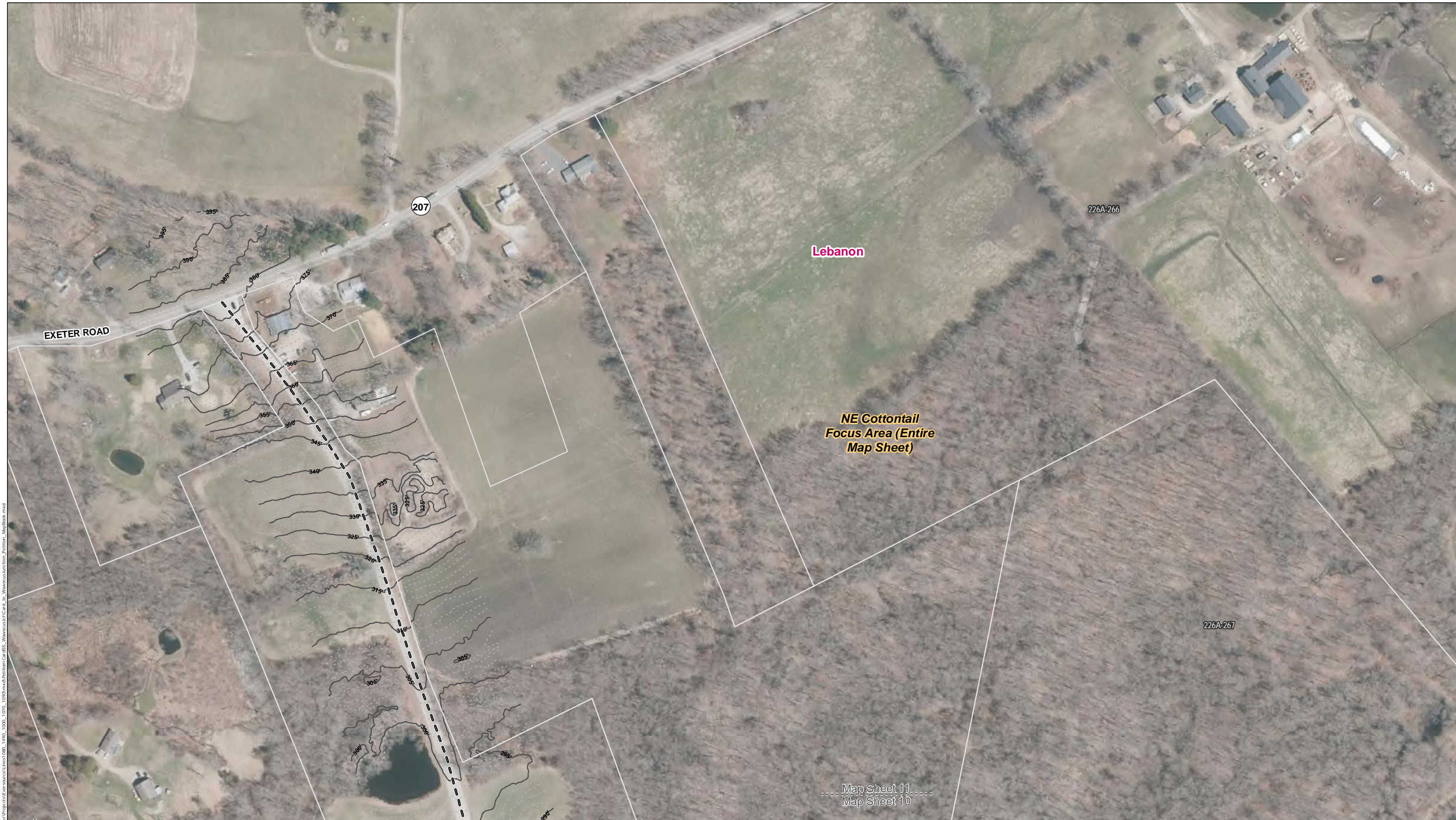
- N/A

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- N/A

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-266	85 EXETER RD	LEBANON	CT	JEFFREY S CONE
226A-267	171 EXETER RD	LEBANON	CT	TOWN OF LEBANON

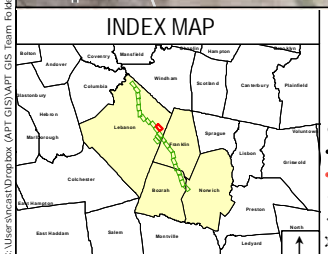




Lebanon

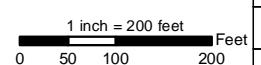
NE Cottontail  
Focus Area (Entire  
Map Sheet)

Map Sheet 11  
Map Sheet 10



Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	■ Stone Work Pad
--- Overhead Eversource Line	⊠ Existing Gravel
--- Existing Right-of-Way (ROW)	■ Temporary Construction Matting
--- Approx. Gas Line ROW	■ Area of Limited Tree Removal
--- 1' Contour Line	— Railroad
--- 5' Contour Line	--- Existing Access
⊠ Fence	--- Proposed Access
--- Off-ROW Access Pending Rights	--- Delineated Wetland Boundary Outline
--- Delineated Wetland Boundary Outline	■ Field Delineated Wetland
■ Field Delineated Wetland	■ CT Alluvial Wetland Only
■ CT Alluvial Wetland Only	■ Open Water
■ Open Water	--- Delineated Perennial Stream
--- Delineated Perennial Stream	--- Delineated Intermittent Watercourse
--- Delineated Intermittent Watercourse	--- Ordinary High Water Mark
--- Ordinary High Water Mark	■ Confirmed Vernal Pool Extent
■ Confirmed Vernal Pool Extent	■ 100' Vernal Pool Envelope
■ 100' Vernal Pool Envelope	■ Natural Diversity Database Area (Dec. 2022; none in mapped extent)
■ Natural Diversity Database Area (Dec. 2022; none in mapped extent)	■ NE Cottontail Focus Area
■ NE Cottontail Focus Area	■ FEMA 100-Year Flood Zone
■ FEMA 100-Year Flood Zone	■ FEMA 500-Year Flood Zone
■ FEMA 500-Year Flood Zone	■ FEMA Floodway
■ Coastal Boundary	■ Eversource Owned Property
■ Eversource Owned Property	■ State Owned Property
■ State Owned Property	■ Parcel Boundary
■ Parcel Boundary	--- Municipal Boundary
--- Municipal Boundary	--- Map Sheet Matchline

Map Notes:  
This mapping product has been created to comply with  
submittal requirements to obtain certain regulatory approvals  
and, as such, there is no reliance on the information contained  
herein for any other purpose. Parcels, ROW boundaries, and  
structure locations are approximate (NOT from survey).  
Parcel boundaries data provided by Eversource Aug 2022.



NO.	DATE	REVISIONS

**EVERSOURCE**  
ENERGY

Card Substation to Wawecus Junction  
Upgrade Project

Lebanon, CT

Map Sheet 11 of 24

Date: April, 2023

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**MAP SHEET 12 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agricultural
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone

*Water Resources*

- Wetlands – W21
- Wetland Cover Types – PEM & PSS
- Watercourses – S8 (Susquetonscut Brook) & S9

*Wetland and Watercourse Crossings*

- W21 – Matted Access Roads and Matted Work Pads
- W21 & S9 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural

*Access*

- Structures 7757 – Lebanon Transfer Station / Exeter Road (CT Rt. 207) (Map Sheet 10 & 11)
- Structures 7756 - 7752 – Francis Drive (Map Sheet 13 & 14) & Rindy Road (Map Sheet 18)

*Road Crossings*

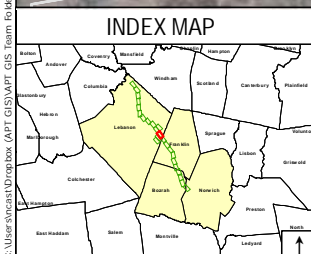
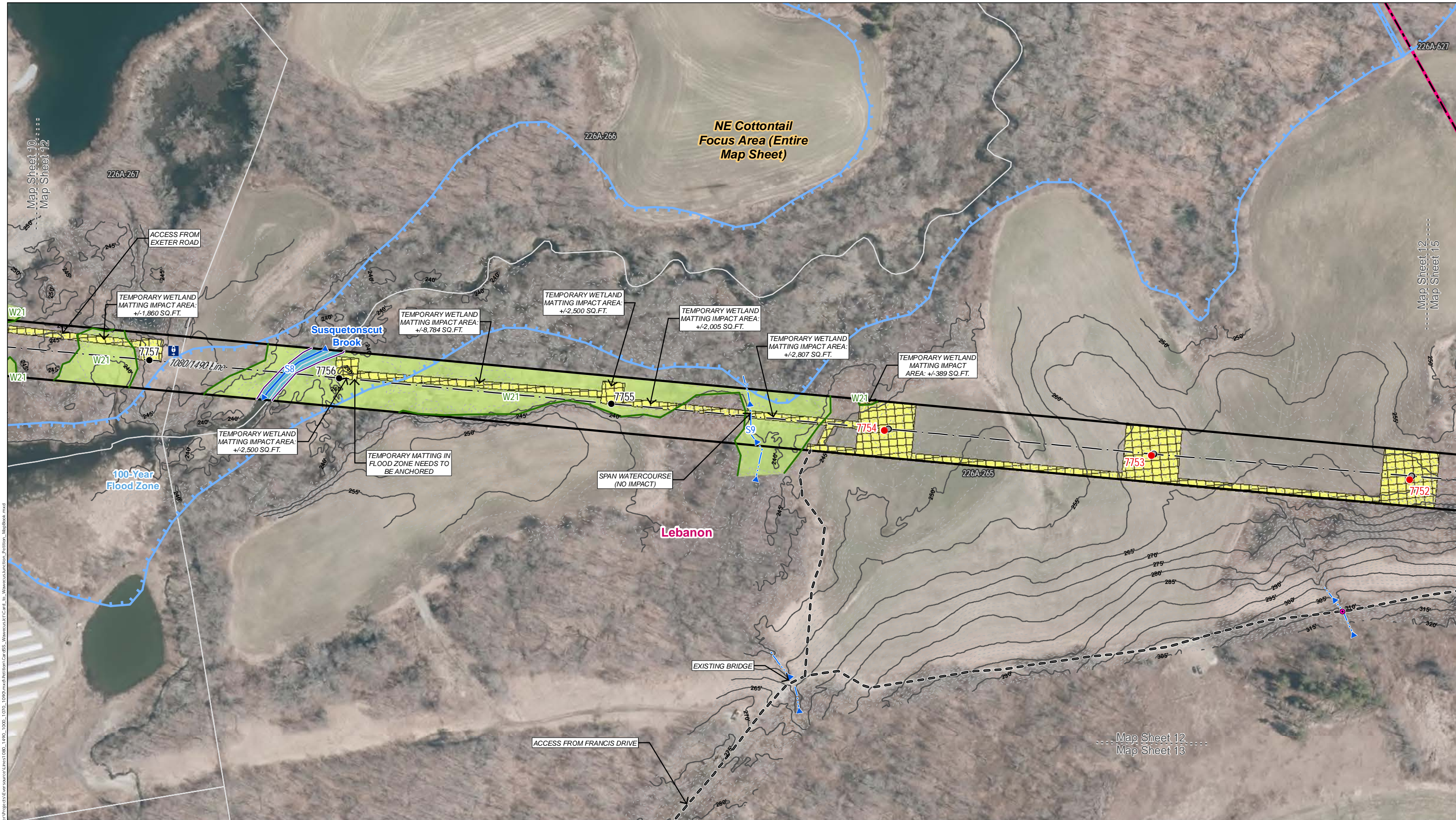
- None

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-265	1402 TRUMBULL HWY	LEBANON	CT	CUSHMAN FARMS LIMITED PARTNERSHIP
226A-266	85 EXETER RD	LEBANON	CT	JEFFREY S CONE
226A-267	171 EXETER RD	LEBANON	CT	TOWN OF LEBANON
226A-627	515 LEBANON RD	FRANKLIN	CT	CHRISTOPHER A HERMONOT AND SUSAN A HERMONOT





Legend	
● Proposed Structure	Gate
○ Existing Structure to be Removed	Culvert
● Existing Structure	Stone Work Pad
— Overhead Eversource Line	Existing Gravel
— Existing Right-of-Way (ROW)	Temporary Construction Matting
— Approx. Gas Line ROW	Area of Limited Tree Removal
— 1' Contour Line	Railroad
— 5' Contour Line	Existing Access
— X=X=X Fence	Proposed Access
	Off-ROW Access Pending Rights
	Delineated Wetland Boundary Outline
	Field Delineated Wetland
	CT Alluvial Wetland Only
	Open Water
	Delineated Perennial Stream
	Delineated Intermittent Watercourse
	Ordinary High Water Mark
	Confirmed Vernal Pool Extent
	100' Vernal Pool Envelope
	Natural Diversity Database Area (Dec. 2022; none in mapped extent)
	NE Cottontail Focus Area
	FEMA 100-Year Flood Zone
	FEMA 500-Year Flood Zone
	FEMA Floodway
	Coastal Boundary
	Eversource Owned Property
	Slate Owned Property
	Parcel Boundary
	Municipal Boundary
	Map Sheet Matchline

**Map Notes:**  
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1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**

**Card Substation to Wawecus Junction Upgrade Project**

Lebanon, CT

Map Sheet 12 of 24

Date: April, 2023

**ALL-POINTS TECHNOLOGY CORPORATION**



**MAP SHEET 13 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- N/A

*Water Resources*

- Wetlands – N/A
- Wetland Cover Types – N/A
- Watercourses – N/A

*Wetland and Watercourse Crossings*

- N/A

*Right-of-Way Vegetation*

- N/A

*Access*

- Francis Drive to Structures 7756-7730

*Road Crossings*

- N/A

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

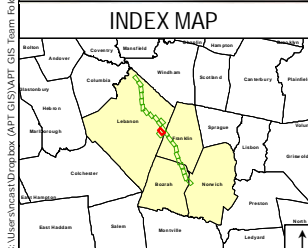
- N/A

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-265	1402 TRUMBULL HWY	LEBANON	CT	CUSHMAN FARMS LIMITED PARTNERSHIP





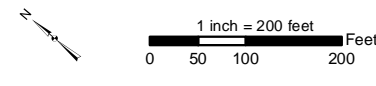
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**Legend**

- Proposed Structure
- Existing Structure to be Removed
- Existing Structure
- Overhead Eversource Line
- Existing Right-of-Way (ROW)
- Approx. Gas Line ROW
- 1' Contour Line
- 5' Contour Line
- ⊗ = ⊗ = ⊗ Fence
- Ⓜ Gate
- Ⓜ Culvert
- Ⓜ Stone Work Pad
- Ⓜ Existing Gravel
- Ⓜ Temporary Construction Matting
- Ⓜ Area of Limited Tree Removal
- Ⓜ Railroad
- Ⓜ Existing Access
- Proposed Access
- Off-ROW Access Pending Rights
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- CT Alluvial Wetland Only
- Open Water
- Delineated Perennial Stream
- Delineated Intermittent Watercourse
- Ordinary High Water Mark
- Confirmed Vernal Pool Extent
- 100' Vernal Pool Envelope
- Natural Diversity Database Area (Dec. 2022; none in mapped extent)
- NE Cottontail Focus Area
- FEMA 100-Year Flood Zone
- FEMA 500-Year Flood Zone
- FEMA Floodway
- Coastal Boundary
- Eversource Owned Property
- State Owned Property
- Parcel Boundary
- Municipal Boundary
- Map Sheet Matchline

*Map Notes:*  
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NO.	DATE	REVISIONS

**EVERSOURCE**  
 ENERGY

Card Substation to Wawecus Junction  
 Upgrade Project

Lebanon, CT

Map Sheet 13 of 24

Date: April, 2023



**MAP SHEET 14 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Lebanon, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- N/A

*Water Resources*

- Wetlands – N/A
- Wetland Cover Types – N/A
- Watercourses – N/A

*Wetland and Watercourse Crossings*

- N/A

*Right-of-Way Vegetation*

- N/A

*Access*

- Francis Drive to Structures 7756-7730

*Road Crossings*

- N/A

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- N/A

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-265	1402 TRUMBULL HWY	LEBANON	CT	CUSHMAN FARMS LIMITED PARTNERSHIP



Map Sheet 13  
Map Sheet 14

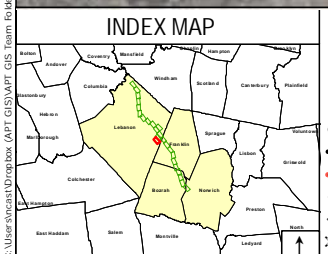
Lebanon

NE Cottontail Focus Area  
(Entire Map Sheet)

226A-265

FRANCIS DRIVE

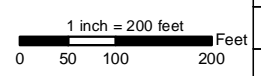
C:\Users\jstuart\OneDrive\Documents\Projects\Eversource\Lebanon\1490\_1000\_1070\_1090\mxd\Partition Card BS\_Wawucus\Card\_0\_Vivian\junction\_Parition\_MapBook.mxd



**Legend**

- Proposed Structure
- Existing Structure to be Removed
- Existing Structure
- Overhead Eversource Line
- Existing Right-of-Way (ROW)
- Approx. Gas Line ROW
- 1' Contour Line
- 5' Contour Line
- ⊗ = ⊗ = ⊗ Fence
- ⊠ Gate
- ⊡ Culvert
- ⊞ Stone Work Pad
- ⊞ Existing Gravel
- ⊞ Temporary Construction Matting
- ⊞ Area of Limited Tree Removal
- ⊞ Railroad
- ⊞ Existing Access
- Proposed Access
- Off-ROW Access Pending Rights
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- CT Alluvial Wetland Only
- Open Water
- Delineated Perennial Stream
- Delineated Intermittent Watercourse
- Ordinary High Water Mark
- Confirmed Vernal Pool Extent
- 100' Vernal Pool Envelope
- Natural Diversity Database Area (Dec. 2022: none in mapped extent)
- NE Cottontail Focus Area
- FEMA 100-Year Flood Zone
- FEMA 500-Year Flood Zone
- FEMA Floodway
- Coastal Boundary
- Eversource Owned Property
- State Owned Property
- Parcel Boundary
- Municipal Boundary
- Map Sheet Matchline

*Map Notes:*  
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NO.	DATE	REVISIONS

**EVERSOURCE**  
ENERGY

Card Substation to Wawucus Junction  
Upgrade Project

Lebanon, CT

Map Sheet 14 of 24

Date: April, 2023



**MAP SHEET 15 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Lebanon & Town of Franklin, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Undeveloped, Forest
- Agriculture
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone
- Possible Hunting Area

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area

*Water Resources*

- Wetlands – W22 & W23
- Wetland Cover Types – PEM & PSS
- Watercourses – None

*Wetland and Watercourse Crossings*

- W22 – Matted Work Pad
- W23 –Matted Work Pad and Matted Access Road/Turn Around Area

*Right-of-Way Vegetation*

- Scrub-shrub

*Access*

- Structures 7751 - 7747 – Francis Drive (Map Sheet 13 & 14) & Rindy Road (Map Sheet 18)

*Road Crossings*

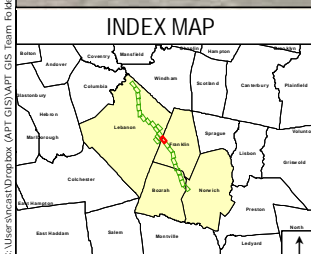
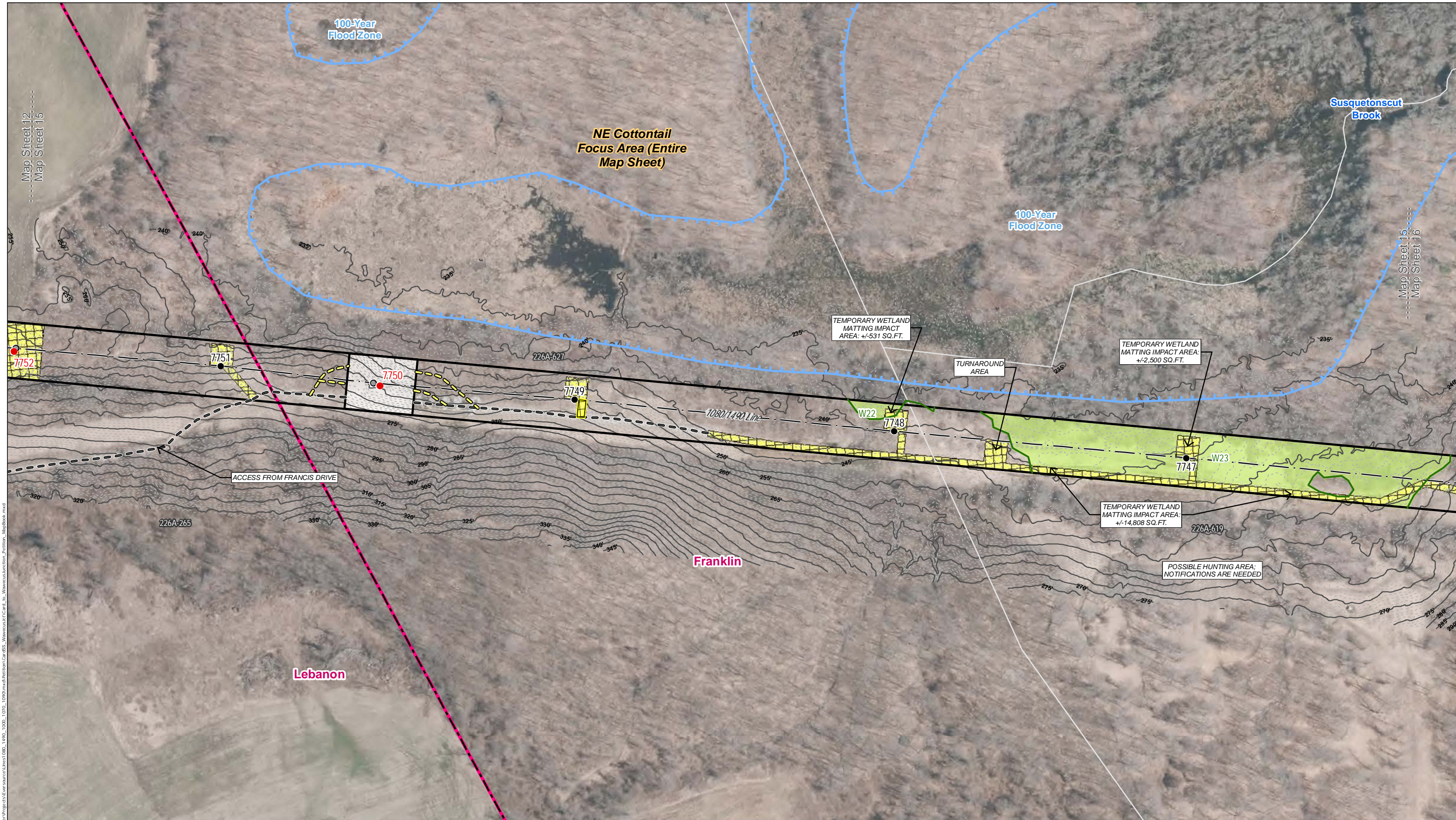
- None

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-265	1402 TRUMBULL HWY	LEBANON	CT	CUSHMAN FARMS LIMITED PARTNERSHIP
226A-619	483 LEBANON RD	FRANKLIN	CT	JOSEPH P LEVASSEUR AND ARLENE M LEVASSEUR
226A-627	515 LEBANON RD	FRANKLIN	CT	CHRISTOPHER A HERMONOT AND SUSAN A HERMONOT

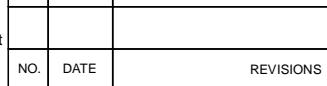




Legend	
● Proposed Structure	Gate
○ Existing Structure to be Removed	Culvert
● Existing Structure	Stone Work Pad
--- Overhead Eversource Line	Existing Gravel
--- Existing Right-of-Way (ROW)	Temporary Construction Matting
--- Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
--- Fence	
--- Proposed Access	Ordinary High Water Mark
--- Off-ROW Access Pending Rights	Confirmed Vernal Pool Extent
--- Delineated Wetland Boundary Outline	100' Vernal Pool Envelope
--- Field Delineated Wetland	Natural Diversity Database Area (Dec. 2022; none in mapped extent)
--- CT Alluvial Wetland Only	NE Cottontail Focus Area
--- Open Water	FEMA 100-Year Flood Zone
--- Delineated Perennial Stream	FEMA 500-Year Flood Zone
--- Delineated Intermittent Watercourse	FEMA Floodway
--- Coastal Boundary	
--- Eversource Owned Property	
--- State Owned Property	
--- Parcel Boundary	
--- Municipal Boundary	
--- Map Sheet Matchline	

**Map Notes:**  
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose. Parcels, ROW boundaries, and structure locations are approximate (NOT from survey). Parcel abutters data provided by Eversource Aug 2022.

NO.	DATE	REVISIONS



**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Lebanon and Franklin, CT  
 Map Sheet 15 of 24  
 Date: April, 2023



**MAP SHEET 16 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Franklin, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone
- Possible Hunting Area

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area

*Water Resources*

- Wetlands – W23 - W26
- Wetland Cover Types – PEM & PSS
- Watercourses – S10 - S14

*Wetland and Watercourse Crossings*

- S11 – Matted Access Road
- W25 & S12 – Matted Access Road
- S13 – Matted Access Road
- S14 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub

*Access*

- Structures 7746 - 7741 – Francis Drive (Map Sheet 13 & 14) & Rindy Road (Map Sheet 18)

*Road Crossings*

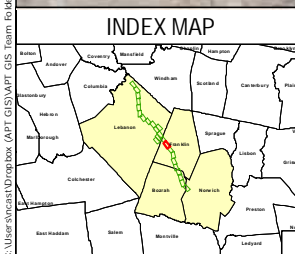
- None

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-610	397 LEBANON RD	FRANKLIN	CT	CUSHMAN FARMS LP
226A-619	483 LEBANON RD	FRANKLIN	CT	JOSEPH P LEVASSEUR AND ARLENE M LEVASSEUR





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	Culvert
● Existing Structure	Stone Work Pad
--- Overhead Eversource Line	Existing Gravel
--- Existing Right-of-Way (ROW)	Temporary Construction Matting
--- Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
--- Fence	
--- Proposed Access	--- Ordinary High Water Mark
--- Off-ROW Access Pending Rights	Confirmed Vernal Pool Extent
--- Delineated Wetland Boundary Outline	100' Vernal Pool Envelope
--- Field Delineated Wetland	Natural Diversity Database Area (Dec. 2022; none in mapped extent)
--- CT Alluvial Wetland Only	NE Cottontail Focus Area
--- Open Water	FEMA 100-Year Flood Zone
--- Delineated Perennial Stream	FEMA 500-Year Flood Zone
--- Delineated Intermittent Watercourse	FEMA Floodway
--- Coastal Boundary	
--- Eversource Owned Property	
--- Slate Owned Property	
--- Parcel Boundary	
--- Municipal Boundary	
--- Map Sheet Matchline	

*Map Notes:*  
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose. Parcels, ROW boundaries, and structure locations are approximate (NOT from survey). Parcel abutters data provided by Eversource Aug 2022.

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Franklin, CT  
 Map Sheet 16 of 24  
 Date: April, 2023

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Map Sheet 16  
 Map Sheet 17



**MAP SHEET 17 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Franklin, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Susquetonscut Brook
- 100-Year Flood Zone
- Algonquin Gas Transmission Easement ROW
- New England Central Railroad

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone
- Algonquin Gas Transmission Easement ROW

*Water Resources*

- Wetlands – W27
- Wetland Cover Types – PEM & PSS
- Watercourses – S15 - S17

*Wetland and Watercourse Crossings*

- S15 – Matted Access Road
- S16 – Matted Access Road
- S17 – Matted Access Road
- W27 – Matted Access Roads and Matted Work Pads

*Right-of-Way Vegetation*

- Scrub-shrub

*Access*

- Structures 7741 and 7735 – Francis Drive (Map Sheet 13 & 14) & Rindy Road (Map Sheet 18)

*Road Crossings*

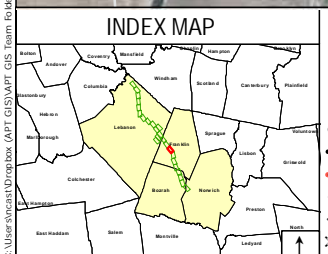
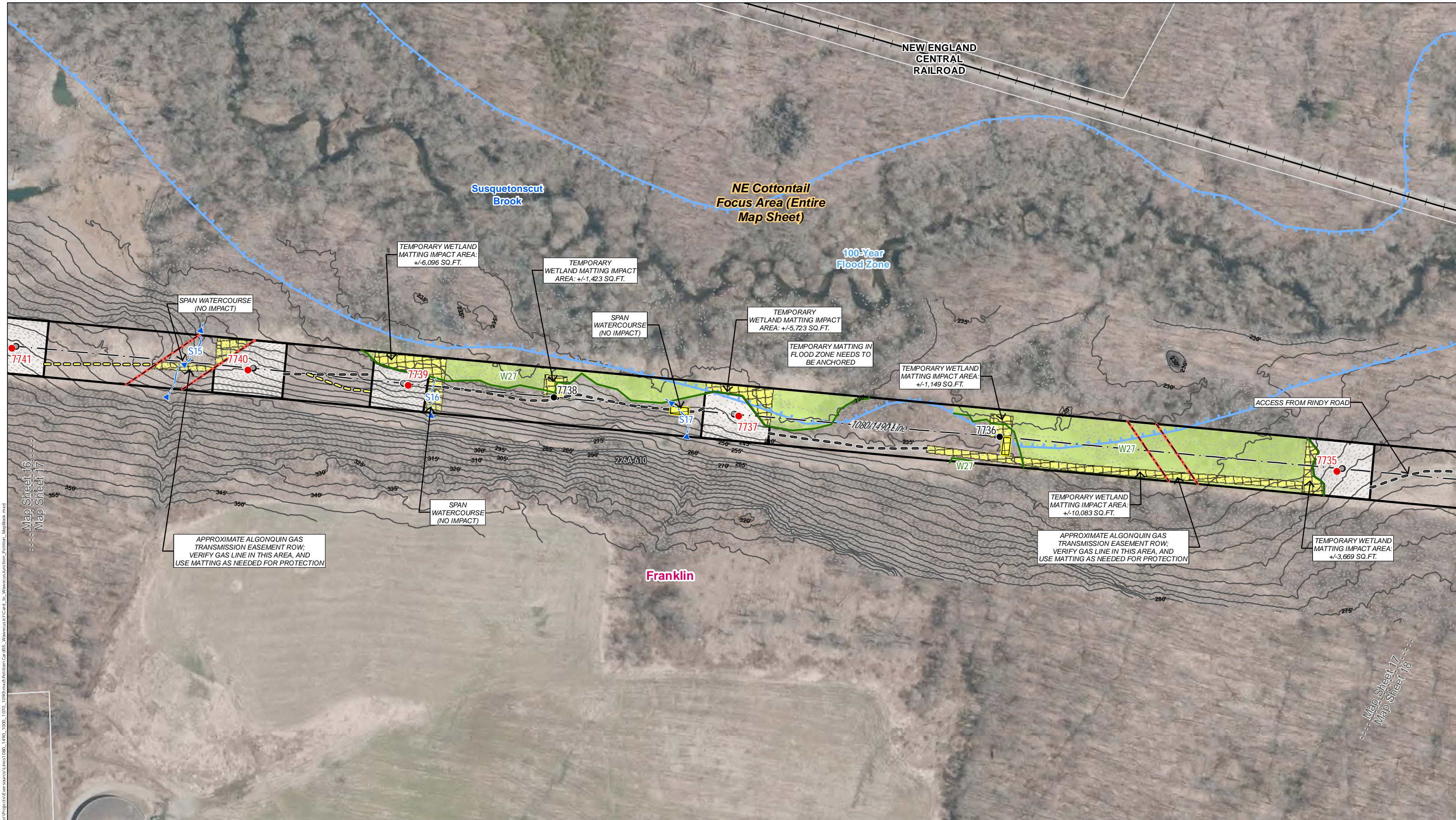
- None

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-610	397 LEBANON RD	FRANKLIN	CT	CUSHMAN FARMS LP





**Legend**

● Proposed Structure	Gate	— Proposed Access	— Ordinary High Water Mark	▭ Coastal Boundary
● Existing Structure to be Removed	○ Culvert	— Off-ROW Access Pending Rights	▭ Confirmed Vernal Pool Extent	▭ Eversource Owned Property
● Existing Structure	▭ Stone Work Pad	— Delineated Wetland Boundary Outline	▭ 100' Vernal Pool Envelope	▭ Slate Owned Property
— Overhead Eversource Line	▭ Existing Gravel	▭ Field Delineated Wetland	▭ Natural Diversity Database Area (Dec. 2022: none in mapped extent)	▭ Parcel Boundary
— Existing Right-of-Way (ROW)	▭ Temporary Construction Matting	▭ CT Alluvial Wetland Only	▭ NE Cottontail Focus Area	— Municipal Boundary
— Approx. Gas Line ROW	▭ Area of Limited Tree Removal	▭ Open Water	▭ FEMA 100-Year Flood Zone	— Map Sheet Matchline
— 1' Contour Line	— Railroad	— Delineated Perennial Stream	▭ FEMA 500-Year Flood Zone	
— 5' Contour Line	— Existing Access	— Delineated Intermittent Watercourse	▭ FEMA Floodway	
— X=X=Fence				

**Map Notes:**  
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NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**

**Card Substation to Wawecus Junction Upgrade Project**

Franklin, CT

Map Sheet 17 of 24

Date: April, 2023

**ALL-POINTS TECHNOLOGY CORPORATION**

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 Map Sheet 16  
 Map Sheet 17



**MAP SHEET 18 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Franklin, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Floodway, 100-Year and 500-Year Flood Zones
- New England Central Railroad

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- Algonquin Gas Transmission Easement ROW

*Water Resources*

- Wetlands – W28 - W31
- Wetland Cover Types – PEM & PSS
- Watercourses – S18 & S19

*Wetland and Watercourse Crossings*

- W28 –Matted Work Pad and Matted Access Road
- W29 – Proposed Structure 7731 and Matted Work Pad
- W29 & S18 (Culvert) –Matted Access Road
- W30 &S19 – Matted Work Pad
- W31 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Residential

*Access*

- Structures 7734 - 7730 – Francis Drive (Map Sheet 13 & 14) & Rindy Road (Map Sheet 18)
- Structures 7729 & 7728 – Rindy Road

*Road Crossings*

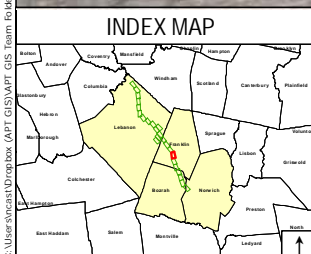
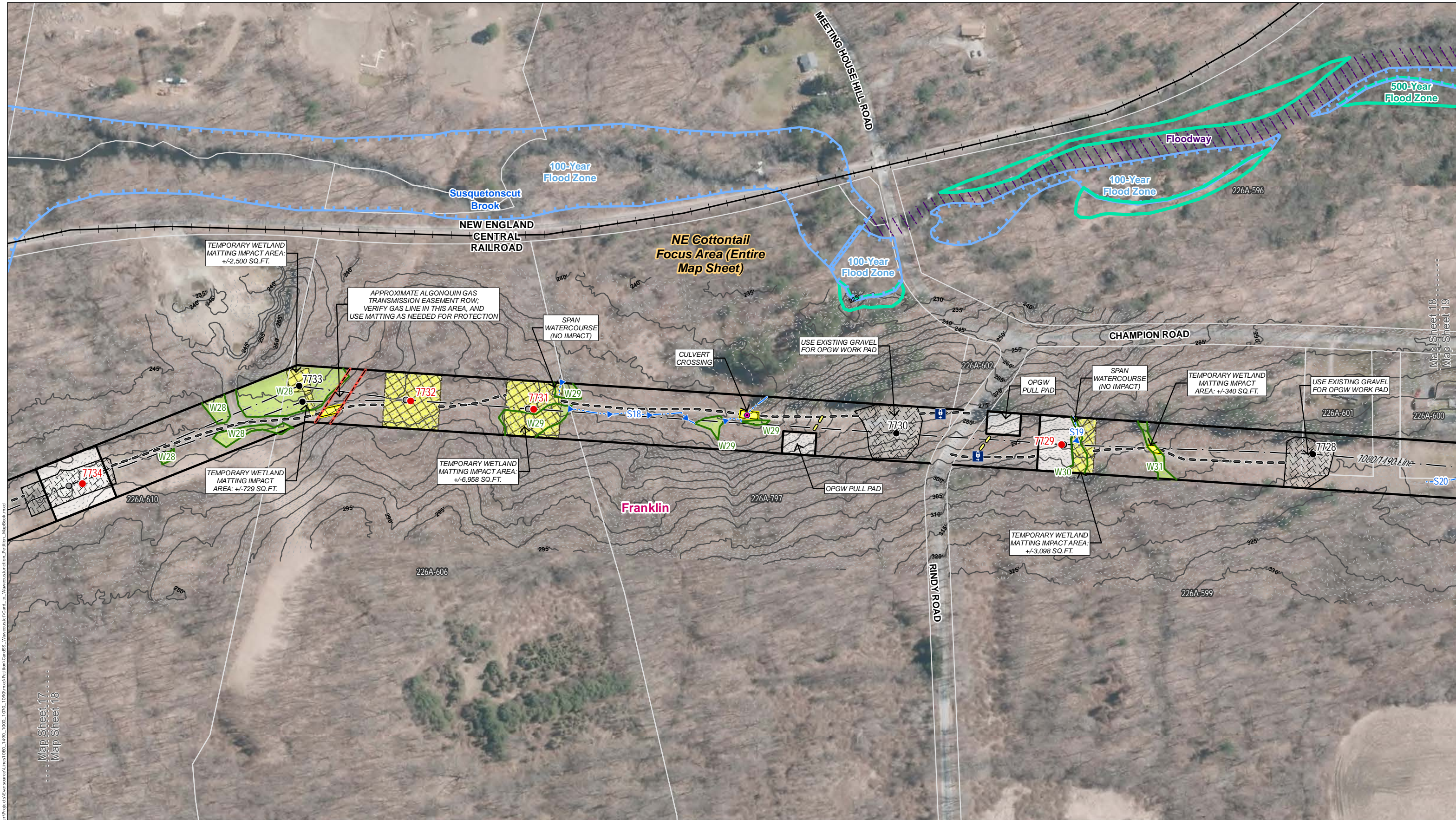
- Rindy Road

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

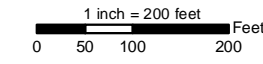
<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-596	201 CHAMPION RD	FRANKLIN	CT	BREANNA HOSTETLER
226A-599	295 LEBANON RD	FRANKLIN	CT	JASON G DOUBLEDAY
226A-600	186 CHAMPION RD	FRANKLIN	CT	PAUL E GRIMMEISEN AND BRAD GRIMMEISEN
226A-601	180 CHAMPION RD	FRANKLIN	CT	SHIABI CHEN WESTON
226A-602	MEETINGHOUSE HILL RD	FRANKLIN	CT	JEFFREY A COIT
226A-606	N/A	FRANKLIN	CT	N/A
226A-610	397 LEBANON RD	FRANKLIN	CT	CUSHMAN FARMS LP
226A-797	160 MEETINGHOUSE HILL RD	FRANKLIN	CT	JASON DOUBLEDAY





- Legend**
- Proposed Structure
  - Existing Structure to be Removed
  - Existing Structure
  - - - Overhead Eversource Line
  - - - Existing Right-of-Way (ROW)
  - - - Approx. Gas Line ROW
  - - - 1' Contour Line
  - - - 5' Contour Line
  - ⊠ = ⊠ = ⊠ Fence
  - Ⓜ Gate
  - Ⓧ Culvert
  - Ⓜ Stone Work Pad
  - Ⓜ Existing Gravel
  - Ⓜ Temporary Construction Matting
  - Ⓜ Area of Limited Tree Removal
  - Ⓜ Railroad
  - Ⓜ Existing Access
  - Ⓜ Proposed Access
  - Ⓜ Off-ROW Access Pending Rights
  - Ⓜ Delineated Wetland Boundary Outline
  - Ⓜ Field Delineated Wetland
  - Ⓜ CT Alluvial Wetland Only
  - Ⓜ Open Water
  - Ⓜ Delineated Perennial Stream
  - Ⓜ Delineated Intermittent Watercourse
  - Ⓜ Ordinary High Water Mark
  - Ⓜ Confirmed Vernal Pool Extent
  - Ⓜ 100' Vernal Pool Envelope
  - Ⓜ Natural Diversity Database Area (Dec. 2022; none in mapped extent)
  - Ⓜ NE Cottontail Focus Area
  - Ⓜ FEMA 100-Year Flood Zone
  - Ⓜ FEMA 500-Year Flood Zone
  - Ⓜ FEMA Floodway
  - Ⓜ Coastal Boundary
  - Ⓜ Eversource Owned Property
  - Ⓜ State Owned Property
  - Ⓜ Parcel Boundary
  - Ⓜ Municipal Boundary
  - Ⓜ Map Sheet Matchline

**Map Notes:**  
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<b>EVERSOURCE ENERGY</b>	
Card Substation to Wawecus Junction Upgrade Project	
Franklin, CT	
Map Sheet 18 of 24	
Date: April, 2023	
NO.	DATE
REVISIONS	



**MAP SHEET 19 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Franklin, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agriculture
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area

*Water Resources*

- Wetlands – W32 - W34
- Wetland Cover Types – PEM & PSS
- Watercourses – S20

*Wetland and Watercourse Crossings*

- W33 – Structure 7726, Matted Access Road & Matted Work Pad

*Right-of-Way Vegetation*

- Scrub-shrub
- Residential, Lawn

*Access*

- Structures 7727 - 7726 – Champion Road
- Structures 7725-7723 – Champion Road
- Structure 7722 – Smith Road

*Road Crossings*

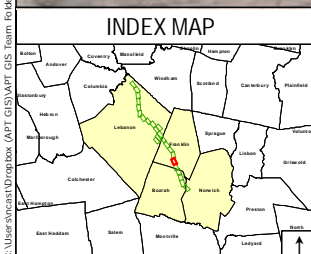
- Champion Road
- Smith Road

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-576	191 LEBANON RD	FRANKLIN	CT	KRISZTINA KERTI
226A-580	14 SMITH RD	FRANKLIN	CT	RYAN HASTERT AND ALANE HASTERT
226A-581	253 CHAMPION RD	FRANKLIN	CT	JEFFREY STAEBNER
226A-582	255 CHAMPION RD	FRANKLIN	CT	THOMAS A CRANEY AND LYNDA D CRANEY
226A-587	243 CHAMPION RD	FRANKLIN	CT	COUNTRY BUILDERS LLC
226A-590	233 CHAMPION RD	FRANKLIN	CT	JAMES H UNDERHILL AND SUSAN G UNDERHILL
226A-592	219 CHAMPION RD	FRANKLIN	CT	TIMOTHY J ALLARD JR
226A-596	201 CHAMPION RD	FRANKLIN	CT	BREANNA HOSTETLER
226A-597	210 CHAMPION RD	FRANKLIN	CT	BRITTANY MEYER
226A-598	192 CHAMPION RD	FRANKLIN	CT	JASON G DOUBLEDAY
226A-599	295 LEBANON RD	FRANKLIN	CT	JASON G DOUBLEDAY
226A-600	186 CHAMPION RD	FRANKLIN	CT	PAUL E GRIMMEISEN AND BRAD GRIMMEISEN





**Legend**

● Proposed Structure	Gate	— Proposed Access	— Ordinary High Water Mark	□ Coastal Boundary
● Existing Structure to be Removed	○ Culvert	— Off-ROW Access Pending Rights	— Confirmed Vernal Pool Extent	□ Eversource Owned Property
● Existing Structure	□ Stone Work Pad	— Delineated Wetland Boundary Outline	— 100' Vernal Pool Envelope	□ State Owned Property
— Overhead Eversource Line	□ Existing Gravel	— Field Delineated Wetland	— Natural Diversity Database Area (Dec. 2022; none in mapped extent)	□ Parcel Boundary
— Existing Right-of-Way (ROW)	□ Temporary Construction Matting	— CT Alluvial Wetland Only	— NE Cottontail Focus Area	— Municipal Boundary
— Approx. Gas Line ROW	□ Area of Limited Tree Removal	— Open Water	— FEMA 100-Year Flood Zone	— Map Sheet Matchline
— 1' Contour Line	— Railroad	— Delineated Perennial Stream	— FEMA 500-Year Flood Zone	
— 5' Contour Line	— Existing Access	— Delineated Intermittent Watercourse	— FEMA Floodway	
— X=X=Fence				

**Map Notes:**  
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1 inch = 200 feet

0 50 100 200 Feet

		<b>EVERSOURCE ENERGY</b>	
		Card Substation to Wawecus Junction Upgrade Project	
		Franklin, CT	
		Map Sheet 19 of 24	
		Date: April, 2023	
NO.	DATE	REVISIONS	





**MAP SHEET 20 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Franklin & Town of Bozrah, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agricultural
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Agricultural
- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- 100-Year Flood Zone

*Water Resources*

- Wetlands – W35 - W37
- Wetland Cover Types – PEM & PSS
- Watercourses – S21

*Wetland and Watercourse Crossings*

- S21 – Matted Access Road
- W35 – Proposed Structure 7719, Matted Work Pad and Matted Access Road
- W36 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Residential, Lawn
- Agricultural

*Access*

- Structure 7721 – Smith Road or Proposed Off-ROW Access from Norwich Lebanon Road (CT Rt. 87) once rights are obtained
- Structures 7720-7716– Norwich Lebanon Road (CT Rt. 87) with an Additional Proposed Off-ROW Access from Norwich Lebanon Road (CT Rt. 87) once rights are obtained

*Road Crossings*

- Smith Road
- Norwich Lebanon Road (Rt. 87)

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-237	100 LEBANON RD	FRANKLIN	CT	REAL ESTATE HYDES
226A-562	100 LEBANON RD	FRANKLIN	CT	HYDE'S REAL ESTATE LLC
226A-568	156 LEBANON RD	FRANKLIN	CT	NOEL J WERTHEIM AND KERRY E WERTHEIM
226A-573	188 LEBANON RD	FRANKLIN	CT	JUSTIN PAGANO AND TIFFANY PAGANO
226A-574	33 SMITH RD	FRANKLIN	CT	WALLACE E CHAPMAN AND GRACE M CHAPMAN
226A-576	191 LEBANON RD	FRANKLIN	CT	KRISZTINA KERTI
226A-580	14 SMITH RD	FRANKLIN	CT	RYAN HASTERT AND ALANE HASTERT
226A-581	253 CHAMPION RD	FRANKLIN	CT	JEFFREY STAEBNER





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	● Stone Work Pad
— Overhead Eversource Line	⊠ Existing Gravel
— Existing Right-of-Way (ROW)	⊠ Temporary Construction Matting
— Approx. Gas Line ROW	⊠ Area of Limited Tree Removal
— 1' Contour Line	— Railroad
— 5' Contour Line	— Existing Access
⊠ Fence	— Proposed Access
	— Off-ROW Access Pending Rights
	— Delineated Wetland Boundary Outline
	— Field Delineated Wetland
	— CT Alluvial Wetland Only
	— Open Water
	— Delineated Perennial Stream
	— Delineated Intermittent Watercourse
	— Ordinary High Water Mark
	— Confirmed Vernal Pool Extent
	— 100' Vernal Pool Envelope
	— Natural Diversity Database Area (Dec. 2022; none in mapped extent)
	— NE Cottontail Focus Area
	— FEMA 100-Year Flood Zone
	— FEMA 500-Year Flood Zone
	— FEMA Floodway
	— Coastal Boundary
	— Eversource Owned Property
	— State Owned Property
	— Parcel Boundary
	— Municipal Boundary
	— Map Sheet Malchline

**Map Notes:**  
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1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Franklin and Bozrah, CT  
 Map Sheet 20 of 24  
 Date: April, 2023



**MAP SHEET 21 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Franklin & Town of Bozrah, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agricultural
- Commercial
- Undeveloped, Forest
- CT New England Cottontail (CT NEC) Focus Area
- Driscoll Brook (S22)
- Stockhouse Road Substation
- 500-Year Flood Zone

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Agricultural
- Commercial
- Maintained ROW
- CT New England Cottontail (CT NEC) Focus Area
- Driscoll Brook (S22)

*Water Resources*

- Wetlands – W37 & W38
- Wetland Cover Types – PEM & PSS
- Watercourses – S22 (Driscoll Brook)

*Wetland and Watercourse Crossings*

- W37 & S22 – Matted Access Road
- W38 – Proposed Structure 7713 & 7711A, Matted Work Pads and Matted Access Roads

*Right-of-Way Vegetation*

- Scrub-shrub
- Agricultural
- Commercial, Developed

*Access*

- Structures 7716 – 7713 – Norwich Lebanon Road (CT Rt. 87) (Map Sheet 20) with an Additional Proposed Off-ROW Access from Norwich Lebanon Road (CT Rt. 87) once rights are obtained
- Structures 7712, 7712, 7711A & 7711B – Stockhouse Road

*Road Crossings*

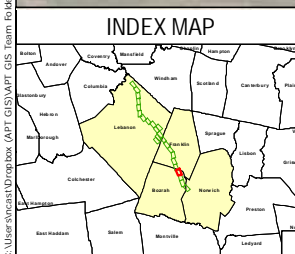
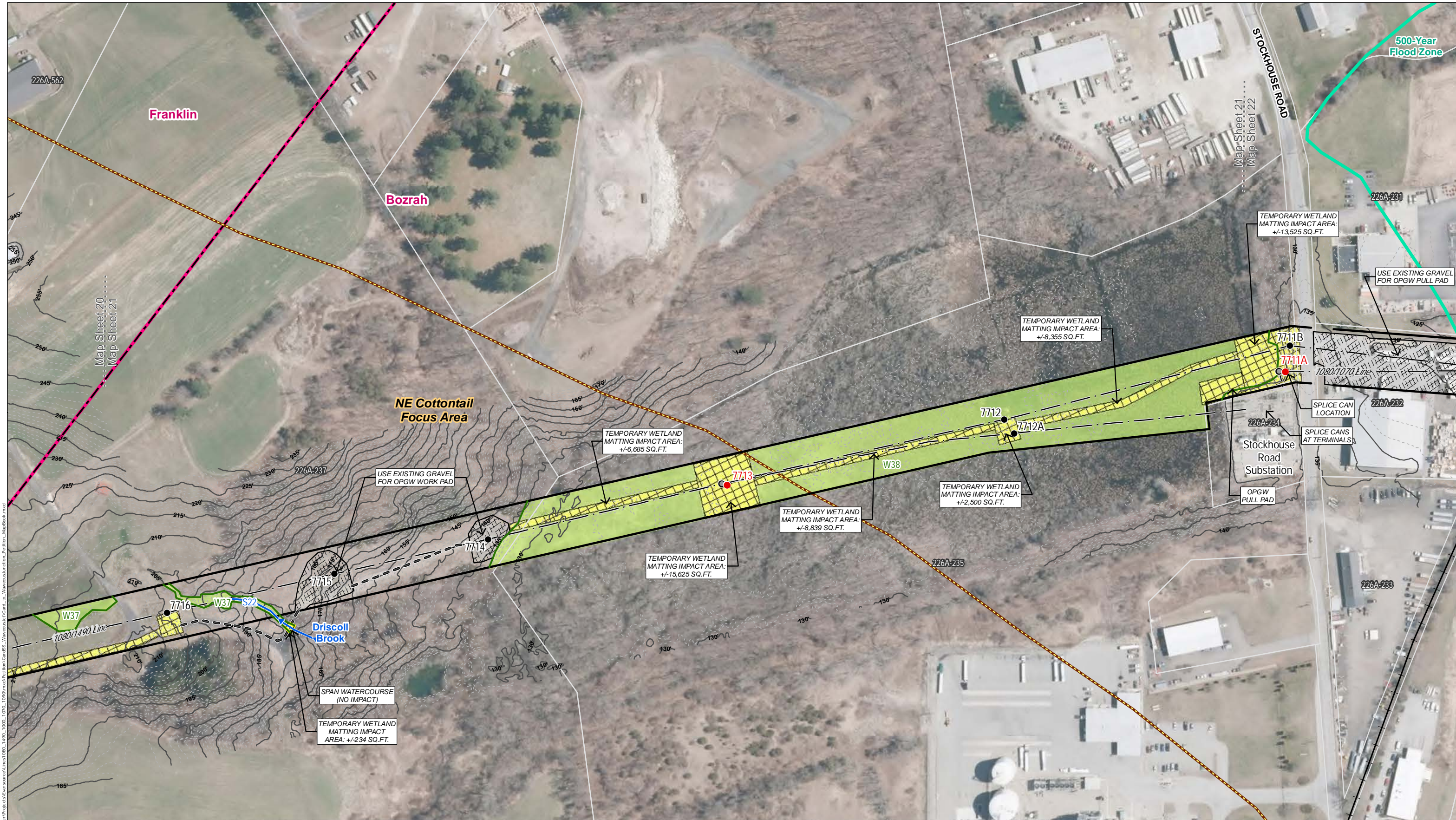
- Stockhouse Road

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet (Structures 7716-7712)
- 185-Feet / 0-Feet (Structures 7712-7711A)

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-231	99 STOCKHOUSE RD	BOZRAH	CT	PAZ CT JM
226A-232	93 STOCKHOUSE RD	BOZRAH	CT	93 STOCKHOUSE ROAD LLC
226A-233	89 STOCKHOUSE RD	BOZRAH	CT	CHERIC DISTRIBUTORS LLC
226A-234	94 STOCKHOUSE RD	BOZRAH	CT	THE BOZRAH LIGHT AND POWER COMPANY
226A-235	80 STOCKHOUSE RD	BOZRAH	CT	AIRGAS MERCHANT GASES LLC AND CORPORATE TAX DEPT
226A-237	100 LEBANON RD	FRANKLIN	CT	REAL ESTATE HYDES
226A-562	100 LEBANON RD	FRANKLIN	CT	HYDE'S REAL ESTATE LLC





Legend	
● Proposed Structure	Gate
● Existing Structure to be Removed	● Culvert
● Existing Structure	● Stone Work Pad
--- Overhead Eversource Line	Existing Gravel
--- Existing Right-of-Way (ROW)	Temporary Construction Matting
--- Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
--- Fence	Proposed Access
--- Off-ROW Access Pending Rights	Delineated Wetland Boundary Outline
--- Delineated Wetland Boundary Outline	Field Delineated Wetland
--- Field Delineated Wetland	CT Alluvial Wetland Only
--- CT Alluvial Wetland Only	Open Water
--- Open Water	Delineated Perennial Stream
--- Delineated Perennial Stream	Delineated Intermittent Watercourse
--- Delineated Intermittent Watercourse	Ordinary High Water Mark
--- Ordinary High Water Mark	Confirmed Vernal Pool Extent
--- Confirmed Vernal Pool Extent	100' Vernal Pool Envelope
--- 100' Vernal Pool Envelope	Natural Diversity Database Area (Dec. 2022; none in mapped extent)
--- Natural Diversity Database Area (Dec. 2022; none in mapped extent)	NE Cottontail Focus Area
--- NE Cottontail Focus Area	FEMA 100-Year Flood Zone
--- FEMA 100-Year Flood Zone	FEMA 500-Year Flood Zone
--- FEMA 500-Year Flood Zone	FEMA Floodway
--- FEMA Floodway	Coastal Boundary
--- Coastal Boundary	Eversource Owned Property
--- Eversource Owned Property	Slate Owned Property
--- Slate Owned Property	Parcel Boundary
--- Parcel Boundary	Municipal Boundary
--- Municipal Boundary	Map Sheet Matchline

**Map Notes:**  
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1 inch = 200 feet  
 0 50 100 200 Feet

NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**

Card Substation to Wawecus Junction Upgrade Project

Franklin and Bozrah, CT

Map Sheet 21 of 24

Date: April, 2023

**ALL-POINTS TECHNOLOGY CORPORATION**



**MAP SHEET 22 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Bozrah, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Agriculture
- Commercial
- Undeveloped, Forest
- Yantic River
- Open Water (unnamed pond)
- Abandoned Railroad Tracks
- Floodway, 100-Year and 500-Year Flood Zones

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Agriculture
- Commercial
- Yantic River
- Open Water (unnamed pond)
- Abandoned Railroad Tracks
- Floodway, 100-Year and 500-Year Flood Zones

*Water Resources*

- Wetlands – W38 & W39
- Wetland Cover Types – PEM & PSS
- Watercourses – S23 (Yantic River) & S24

*Wetland and Watercourse Crossings*

- W38 – Proposed Structure 7711A and Matted Work Pad
- CT Wetland Only – Matted Work Pad and Matted Access Road
- W39 – Matted Work Pad and Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Residential, Lawn
- Commercial, Developed

*Access*

- Structures 7711A & 7711B – Stockhouse Road
- Structure 7710 – Stockhouse Road
- Structures 7709 – 7707 – Fitchville Road with an Additional Proposed Off-ROW Access from Fitchville Road once rights are obtained
- Structures 7706 & 7705 – Fitchville Road with an Additional Proposed Off-ROW Access from Fitchville Road once rights are obtained

*Road Crossings*

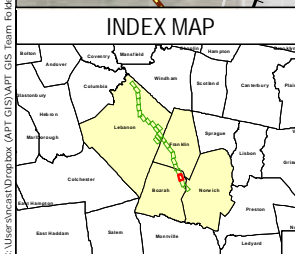
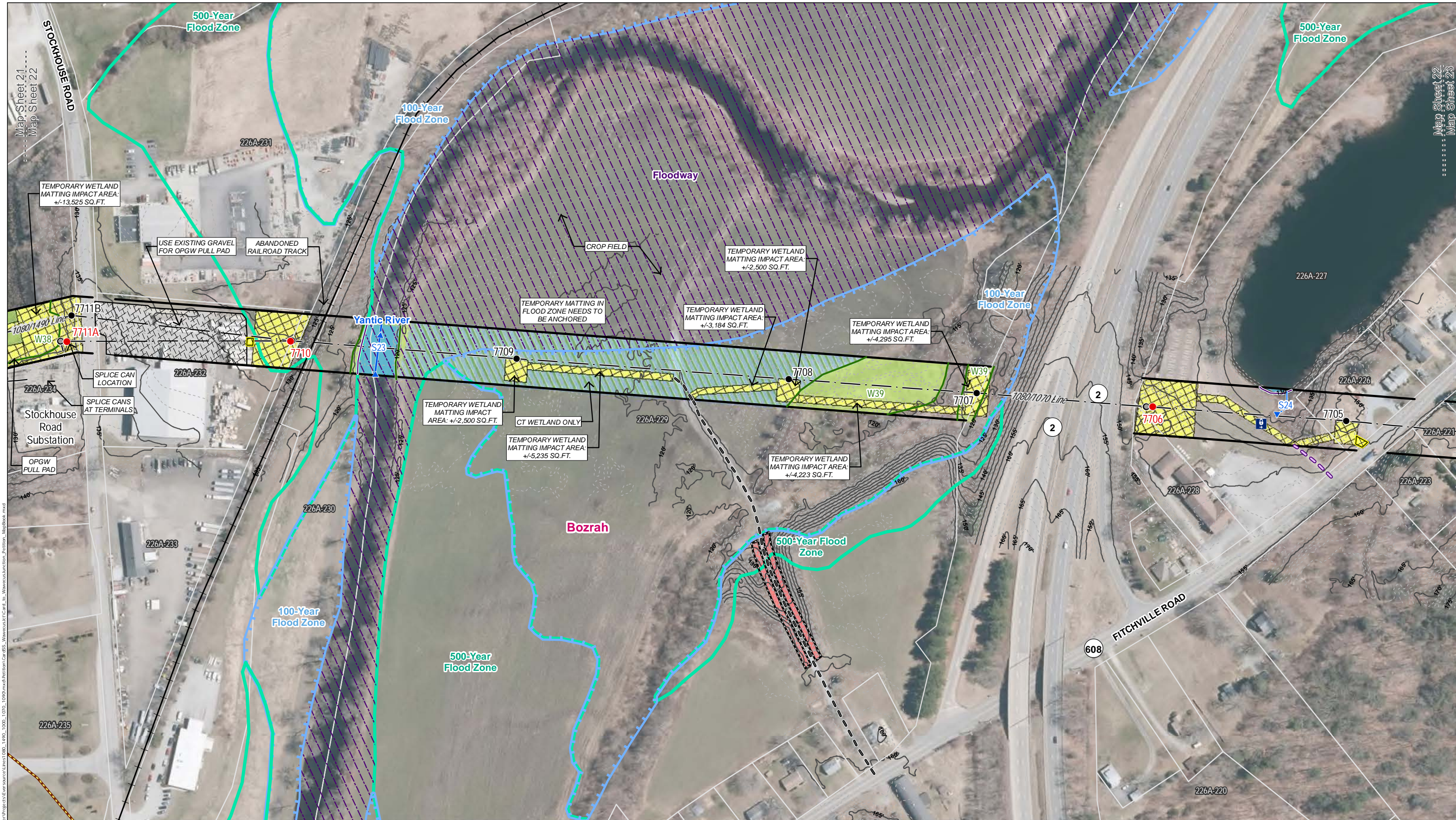
- Stockhouse Road
- CT State Route 2
- Fitchville Road

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

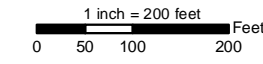
<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-220	FITCHVILLE RD	BOZRAH	CT	NGA CAPITAL LLC
226A-221	104 FITCHVILLE RD	BOZRAH	CT	EMILY MARSHALL
226A-223	106 FITCHVILLE RD	BOZRAH	CT	RANDY L DUFF
226A-226	107 FITCHVILLE RD	BOZRAH	CT	ADAM A GAVALLA
226A-227	FITCHVILLE RD	BOZRAH	CT	LOYAL ORDER OF MOOSE INC
226A-228	115 FITCHVILLE RD	BOZRAH	CT	LOYAL ORDER OF MOOSE INC
226A-229	133 FITCHVILLE RD	BOZRAH	CT	A & J & J LLC AND SPIELMAN FARM
226A-230	STOCKHOUSE RD	BOZRAH	CT	TOWN OF TOWN OF BOZRAH
226A-231	99 STOCKHOUSE RD	BOZRAH	CT	PAZ CT JM
226A-232	93 STOCKHOUSE RD	BOZRAH	CT	93 STOCKHOUSE ROAD LLC
226A-233	89 STOCKHOUSE RD	BOZRAH	CT	CHERIC DISTRIBUTORS LLC
226A-234	94 STOCKHOUSE RD	BOZRAH	CT	THE BOZRAH LIGHT AND POWER COMPANY
226A-235	80 STOCKHOUSE RD	BOZRAH	CT	AIRGAS MERCHANT GASES LLC AND CORPORATE TAX DEPT





Legend	
● Proposed Structure	Gate
○ Existing Structure to be Removed	Culvert
○ Existing Structure	Stone Work Pad
— Overhead Eversource Line	Existing Gravel
— Existing Right-of-Way (ROW)	Temporary Construction Matting
— Approx. Gas Line ROW	Area of Limited Tree Removal
--- 1' Contour Line	Railroad
--- 5' Contour Line	Existing Access
✕=✕=✕=✕= Fence	
— Proposed Access	— Ordinary High Water Mark
— Off-ROW Access Pending Rights	Confirmed Vernal Pool Extent
— Delineated Wetland Boundary Outline	100' Vernal Pool Envelope
— Field Delineated Wetland	Natural Diversity Database Area (Dec. 2022; none in mapped extent)
— CT Alluvial Wetland Only	NE Cottontail Focus Area
— Open Water	FEMA 100-Year Flood Zone
— Delineated Perennial Stream	FEMA 500-Year Flood Zone
— Delineated Intermittent Watercourse	FEMA Floodway
— Coastal Boundary	
— Eversource Owned Property	
— Slate Owned Property	
— Municipal Boundary	
— Map Sheet Matchline	

**Map Notes:**  
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NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Bozrah, CT  
 Map Sheet 22 of 24  
 Date: April, 2023



**MAP SHEET 23 OF 24**

**Card Substation to Wawecus Junction Upgrade Project**

**Town of Bozrah, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Undeveloped, Forest
- Open Water (unnamed pond)
- Bentley Brook

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Maintained ROW
- Bentley Brook
- Open Water (unnamed pond)

*Water Resources*

- Wetlands – W40
- Wetland Cover Types – PEM & PSS
- Watercourses – S25 & S26 (Bentley Brook)

*Wetland and Watercourse Crossings*

- None

*Right-of-Way Vegetation*

- Scrub-shrub
- Residential, Lawn

*Access*

- Structures 7704 - 7700 – Gifford Lane
- Structure 7699 – Bozrah Drive

*Road Crossings*

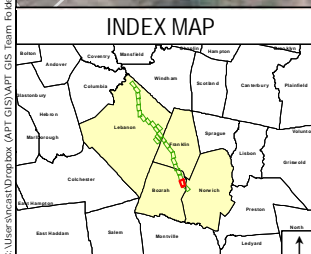
- Gifford Lane

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-211	GIFFORD LA	BOZRAH	CT	TIMOTHY D FALVEY AND ALMA ETAL
226A-212	GIFFORD LA	BOZRAH	CT	BERNARD KORENKIEWICZ AND CATHERINE P WOODFIELD
226A-213	45 GIFFORD LA	BOZRAH	CT	RICHARD L PROVOST
226A-214	47 GIFFORD LA	BOZRAH	CT	DAVID J RISER AND LINDA J RISER
226A-215	49 GIFFORD LA	BOZRAH	CT	FREDERICK S REYNOLDS
226A-217	98 FITCHVILLE RD	BOZRAH	CT	LEON T BABULSKY
226A-218	100 FITCHVILLE RD	BOZRAH	CT	JOHN GRANDCHAMP
226A-219	102 FITCHVILLE RD	BOZRAH	CT	MARC S NEE AND CARLA S RICCI
226A-220	FITCHVILLE RD	BOZRAH	CT	NGA CAPITAL LLC
226A-221	104 FITCHVILLE RD	BOZRAH	CT	EMILY MARSHALL
226A-223	106 FITCHVILLE RD	BOZRAH	CT	RANDY L DUFF
226A-227	FITCHVILLE RD	BOZRAH	CT	LOYAL ORDER OF MOOSE INC





Legend	
● Proposed Structure	Ⓜ Gate
● Existing Structure to be Removed	Ⓜ Culvert
● Existing Structure	Ⓜ Stone Work Pad
— Overhead Eversource Line	Ⓜ Existing Gravel
— Existing Right-of-Way (ROW)	Ⓜ Temporary Construction Matting
— Approx. Gas Line ROW	Ⓜ Area of Limited Tree Removal
— 1' Contour Line	— Railroad
— 5' Contour Line	— Existing Access
Ⓜ Fence	— Proposed Access
— Off-ROW Access Pending Rights	— Ordinary High Water Mark
— Delineated Wetland Boundary Outline	— Confirmed Vernal Pool Extent
— Field Delineated Wetland	— 100' Vernal Pool Envelope
— CT Alluvial Wetland Only	— Natural Diversity Database Area (Dec. 2022; none in mapped extent)
— Open Water	— NE Cottontail Focus Area
— Delineated Perennial Stream	— FEMA 100-Year Flood Zone
— Delineated Intermittent Watercourse	— FEMA 500-Year Flood Zone
— FEMA Floodway	— Coastal Boundary
	— Eversource Owned Property
	— State Owned Property
	— Parcel Boundary
	— Municipal Boundary
	— Map Sheet Malchline

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NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**  
 Card Substation to Wawecus Junction Upgrade Project  
 Bozrah, CT  
 Map Sheet 23 of 24  
 Date: April, 2023

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**MAP SHEET 24 OF 24**

**Card Substation to Wawecus Junction Upgrade Project  
Town of Bozrah & Town of Norwich, Connecticut**

**AREA DESCRIPTION**

*Existing Land Use & Resource Areas*

- Residential
- Undeveloped, Forest

**RIGHT-OF-WAY DESCRIPTION**

*Right-of-Way Land Use & Resource Areas*

- Residential
- Maintained ROW
- Existing Residential Septic System

*Water Resources*

- Wetlands – W41 & W42
- Wetland Cover Types – PEM & PSS
- Watercourses – S27 & S28

*Wetland and Watercourse Crossings*

- S28 – Matted Access Road

*Right-of-Way Vegetation*

- Scrub-shrub
- Residential, Lawn

*Access*

- Structures 7698-7696 – Bozrah Drive
- Structures 7695 – Yantic Lane
- Structures 7694, 7693 & 7693.5 – Philanne Drive

*Road Crossings*

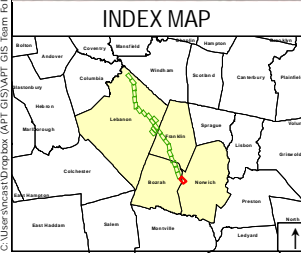
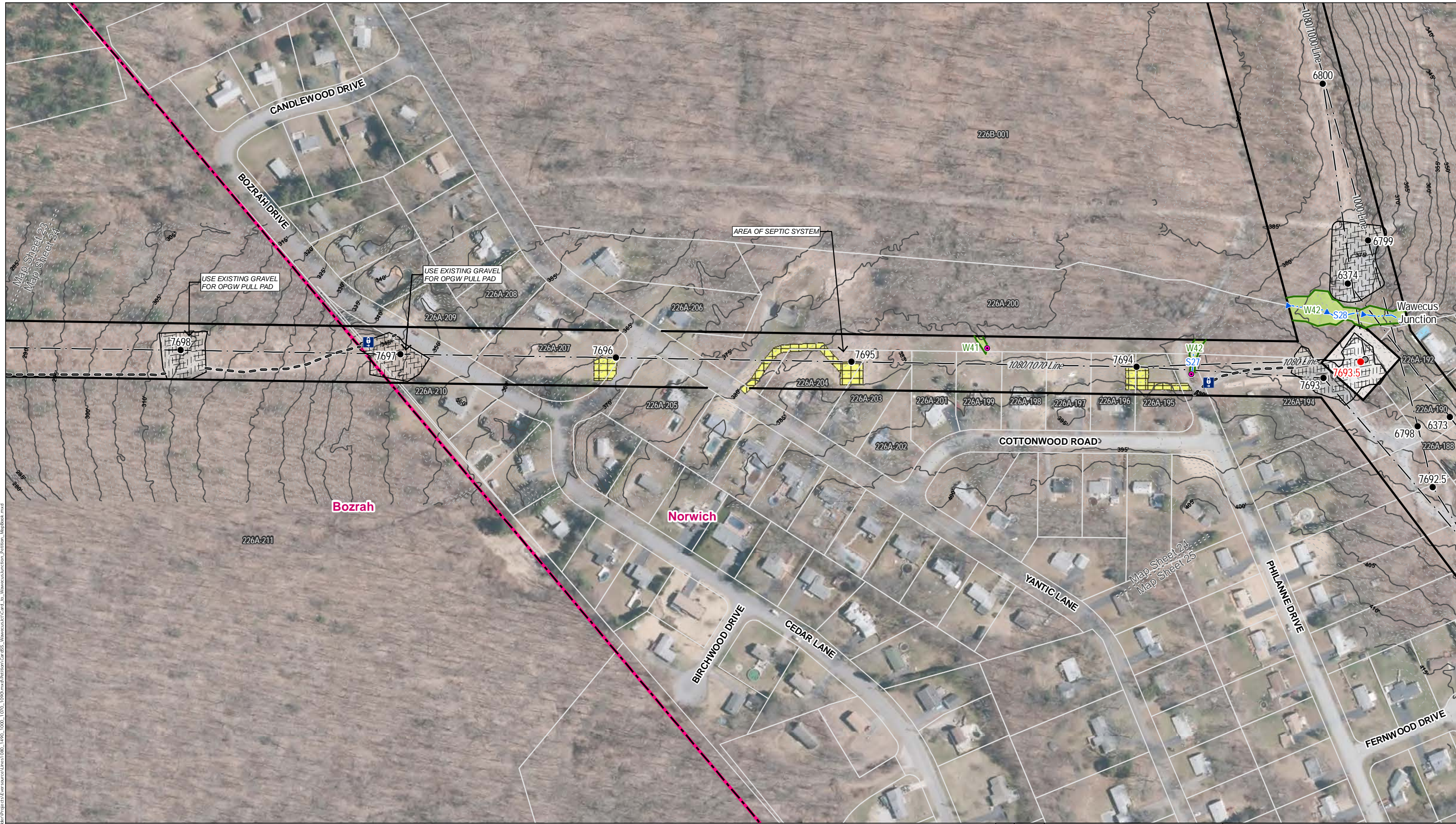
- Bozrah Drive
- Yantic Lane

*Existing Maintained Right-of-Way Width / Proposed Right-of-Way Clearing*

- 125-Feet / 0-Feet (7698 – 7694)
- 250-Feet / 0-Feet (Structure 7693 - 7693.5)

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner</u>
226A-188	30 BEECHWOOD BLVD	NORWICH	CT	KYLE T STONE
226A-190	32 BEECHWOOD BLVD	NORWICH	CT	BRIAN S ASHBEE AND KATHLEEN A ASHBEE
226A-192	34 BEECHWOOD BLVD	NORWICH	CT	RAYMOND A LATHROP
226A-194	23 PHILANNE DR	NORWICH	CT	STEVEN HERRICK
226A-195	24 COTTONWOOD RD	NORWICH	CT	JOHANNA M JAWORSKY
226A-196	20 COTTONWOOD RD	NORWICH	CT	LINDA M CAPULLO
226A-197	16 COTTONWOOD RD	NORWICH	CT	MATTHEW TUINSTR
226A-198	12 COTTONWOOD RD	NORWICH	CT	RICHARD CHIOCCOLA JR
226A-199	8 COTTONWOOD RD	NORWICH	CT	JOSHUA R EDEN
226A-200	132 YANTIC LN	NORWICH	CT	RONALD P BRINE AND NORA BRINE
226A-201	6 COTTONWOOD RD	NORWICH	CT	DONALD F TERRY AND REBECCA J TERRY
226A-202	148 YANTIC LN	NORWICH	CT	ROY S DITMORE AND KATHERINE A DITMORE
226A-203	142 YANTIC LN	NORWICH	CT	DARIUS C MITCHELL AND HELEN CHARLES
226A-204	138 YANTIC LN	NORWICH	CT	DENNIS R MAINVILLE AND LINDA M MAINVILLE
226A-205	129 YANTIC LN	NORWICH	CT	MARYUM JAVAID
226A-206	124 YANTIC LN	NORWICH	CT	LEO F BENWARE
226A-207	115 YANTIC LN	NORWICH	CT	CHRISTOPHER R POMO
226A-208	113 YANTIC LN	NORWICH	CT	ALDEN L PECKHAM AND KATHY KEENEY PECKHAM
226A-209	19 BOZRAH DR	NORWICH	CT	ALFRED R PERET
226A-210	12 BOZRAH DR	NORWICH	CT	LESLIE MAINVILLE
226A-211	GIFFORD LA	BOZRAH	CT	TIMOTHY D FALVEY AND ALMA ETAL
226B-001	110 YANTIC LN	NORWICH	CT	ROBERT W LARSEN





**Legend**

- Proposed Structure
- Existing Structure to be Removed
- Existing Structure
- Overhead Eversource Line
- Existing Right-of-Way (ROW)
- Approx. Gas Line ROW
- 1' Contour Line
- 5' Contour Line
- X-X-X-X-X Fence
- Ⓜ Gate
- Ⓜ Culvert
- Ⓜ Stone Work Pad
- Ⓜ Existing Gravel
- Ⓜ Temporary Construction Matting
- Ⓜ Area of Limited Tree Removal
- Ⓜ Railroad
- Ⓜ Existing Access
- Proposed Access
- Off-ROW Access Pending Rights
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
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- Ordinary High Water Mark
- Confirmed Vernal Pool Extent
- 100' Vernal Pool Envelope
- Natural Diversity Database Area (Dec. 2022; none in mapped extent)
- NE Cottontail Focus Area
- FEMA 100-Year Flood Zone
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- FEMA Floodway
- Coastal Boundary
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- Map Sheet Matchline

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NO.	DATE	REVISIONS

**EVERSOURCE ENERGY**

**Card Substation to Wawecus Junction Upgrade Project**

Bozrah and Norwich, CT

Map Sheet 24 of 24

Date: April, 2023



