

August 26, 2020

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

Re: 1768 Line Lattice Tower Replacement 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 proposed modifications to an existing 115-kilovolt transmission line, (“1768 Line Lattice Tower Replacement Project Project”) in the Towns of East Granby and Suffield, Connecticut (“Petition”).

Prior to submitting this Petition, representatives from Eversource briefed municipal officials in East Granby and Suffield about the Project. Eversource provided written notice of the proposed work to all abutters and of the filing of this Petition with the Council. Maps and line lists identifying the abutting property owners who were notified of the Project are provided in the Petition as Attachment A: 1768 Line Lattice Tower Replacement Project – Aerial Maps.

Per the Council’s instructions in response to COVID-19, Eversource is submitting this filing electronically and will be providing one hard copy for the Council’s records. Eversource further understands that the Council will invoice the Company for the requisite \$625 filing fee.

Sincerely,



Kathleen M. Shanley

Enclosure

cc: Mr. James Hayden, First Selectman, Town of East Granby
Ms. Melissa Mack, First Selectman, Town of Suffield

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
1768 LINE IN THE TOWNS OF EAST GRANBY AND SUFFIELD, 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 the modifications to the 1768 Line, a 115-kilovolt (“kV”) transmission line, located within existing transmission rights-of-way (“ROWS”) in the Towns of East Granby and Suffield, Connecticut (“Towns”), as described herein (the “Project”) (See Figure 1, below). Eversource submits that a Certificate is not required because the proposed modifications would not have a substantial adverse environmental effect.

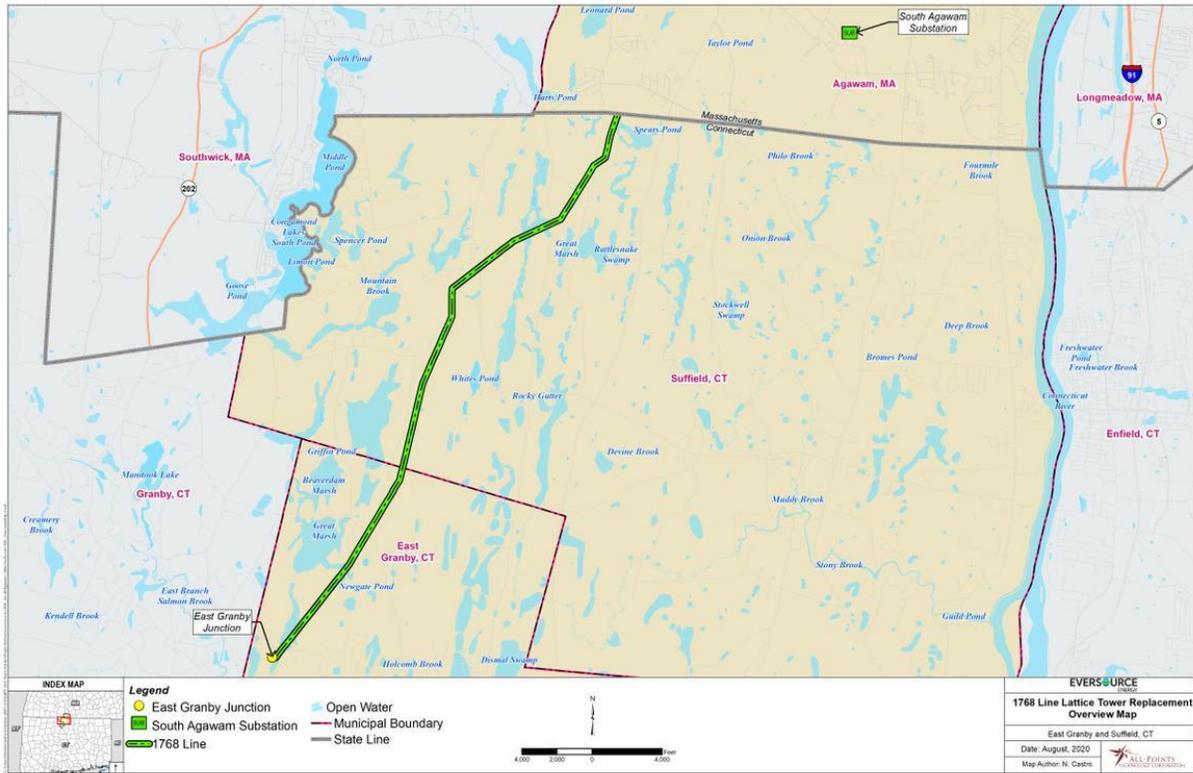
2. Purpose of the Project

The purpose of the Project is to improve system reliability by reconductoring approximately 7.0 miles of the 1768 Line within Eversource’s ROW that connects Southwick Substation in Southwick, Massachusetts to South Agawam Substation in Agawam, Massachusetts by way of East Granby Junction in East Granby, Connecticut. As a result of the reconductoring, structure replacements will be required. The portion of the 1768 Line in Connecticut, between East Granby Junction and the Suffield, Connecticut/Agawam, Massachusetts border, currently consists of 68 double-circuit lattice towers with 556 kcmil conductor bundled across

the towers to operate as a single circuit, and one (1) Alumoweld shield wire. The existing conductor will be replaced with a single-circuit 1272-kcmil conductor and the Alumoweld shield wire will be replaced with two optical ground wires (“OPGW”). As a result of the reconductoring, all 68 lattice towers will need to be replaced.

The 1768 Line lattice towers were originally erected in 1924 and are not designed to current National Electrical Safety Code (NESC) standards. Engineering analyses were completed on the structures and have determined that the existing structures are not strong enough to support the new conductors. The structures are showing signs of age-related deterioration (corrosion, rust and overstress), lack of redundant bracing supporting horizontal arm members, and overstressed steel members. The replacement of the degraded lattice structures will also reduce the risk of age-related failures, mitigate safety concerns associated with additional construction loads on tower arms during routine maintenance and emergency work (e.g. workers climbing towers to conduct repairs) and ensure that both the structures and conductor meet the latest NESC and Eversource design standards.

Figure 1: Project Overview Map



3. Project Description

The Project scope consists of reconductoring and structure replacement for the 1768 Line along 7.0 miles of the existing ROW. The ROW is shared with the 3216 Line, a 345-kV transmission line supported by weathering steel H-Frame monopole structures.

Details of the proposed scope of work are summarized as follows:

- Replace 68 double-circuit steel lattice structures with weathering steel monopole structures, similar to those structures supporting the 3216 Line, which would generally be constructed in a delta configuration, though some angle structures will be replaced with two-pole structures;
- Replace the existing bundled 556 kcmil aluminum conductor steel supported (“ACSS”) with a single 1272 kcmil ACSS conductor;
- Replace the existing Alumoweld overhead shield wire with two new 48-fiber OPGW;
- Install new hardware, insulators, lightning arresters and counterpoise;
- Improve and/or install access roads and work pads to support the proposed scope of work.
- The Project work would require selective tree and vegetation removal (mowing) and or trimming to accommodate the work or to meet the required conductor clearances.

Construction is scheduled to begin in early 2021 with a proposed in-service date in the second quarter of 2021, provided that all necessary permits and authorizations are received according to schedule.

The maps in Attachment A: “1768 Line Lattice Tower Replacement Project – Aerial Maps”, dated July 2020, depict the locations of existing and proposed access roads, existing and proposed structures, and work pads to be used for the Project, wetland areas and other ROW features and Project elements.

The cross-section drawings in Attachment B – “Line 1768 Right of Way Cross Section” depict typical views along the ROW of the existing and proposed structures and the existing and proposed limits of managed and unmanaged ROW areas. Attachment C – “List of Structure Replacements” provides information on structure heights and the type of foundation for the replacement structures. The heights of the existing structures range from 70 to 100 feet above ground level and many of the replacement structures must be taller to meet current NESC clearance requirements. The replacement structures will range in height from 70 feet to 108 feet above ground level. Replacement structures will generally be taller than the corresponding existing structures by less than 10 feet, but there are 13 structures that will be between ten and twenty feet taller. Five structures that will be more than 20 feet taller. Of these 18 structures, all but seven will still have an overall height equal to or less than the existing structures on the adjacent line in the corridor.

4. Existing Environment, Environmental Effects and Mitigation

The Project construction would be performed entirely within the existing transmission ROW or on Eversource owned property. No expansion of the existing ROW or maintained corridor would be required for the Project work or the replacement structures and conductor. The Project would not have a substantial adverse environmental effect, for reasons explained more fully below.

Land Use

Land uses adjacent to the Project area consist of a mix of rural residential areas, agricultural, and undeveloped lands such as forests, meadows and recreational properties. Though the Project would traverse through some of these areas, it will not impact adjacent land uses. Eversource will work with any affected property owners to restore property conditions upon completion of the Project.

Vegetation Removal

The Project ROW is generally 300 feet wide, from East Granby Junction to the Massachusetts border, with a maintained width that varies along the ROW. While the majority of the Project would be located within the maintained ROW, some limited tree removal and vegetation removal/tree trimming would be required in select areas to accommodate access road installation and improvements, for work pad installation, to remove incompatible species, and along the Project ROW where conductor clearance is inadequate.

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

Eversource would require the clearing contractor to use low-impact clearing methods to remove brush vegetation to protect wetlands, watercourses, state-listed species and their habitats, and cultural resources. Low-impact clearing incorporates a variety of approaches, techniques, and equipment to minimize site disturbance. Eversource would require the contractor to use some or all of the following low-impact clearing methods, depending on site-specific considerations:

- Take into consideration 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;
- Use appropriately sized equipment for the 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.

The limited tree removal required for the Project would take place on Eversource properties near existing structures 11053, 3179, 17039 (East Granby Junction) and 17093 and 17094 for work pad development. It is estimated that this work would result in a total permanent conversion of approximately 0.53 acre of forest habitat to scrub-shrub or herbaceous habitat areas. Given the overall limited extent of forest conversion to shrubland, or emergent vegetation, there will be no significant adverse effect to forested habitat. Further, additional shrubland and early successional habitat (and the preservation of such existing habitat) along the ROW or access roads is beneficial for many species of wildlife because shrubland habitat is otherwise declining in New England¹.

In addition to the effects described above, construction of one temporary work pad in wetlands (W1A) at East Granby Junction, will result in the temporary modification of approximately 0.07 acre of wetlands through the conversion of existing palustrine forested (“PFO”) cover type to palustrine scrub shrub (“PSS”) habitat, representing a temporary cover type change to wetland habitat, but not a net loss of wetlands.

Temporary construction mats would be used to provide a stable base for equipment across watercourses or within wetlands where hand clearing work is not feasible. Such temporary

¹ Connecticut’s Wildlife Action Plan has identified 47 wildlife species of Greatest Conservation Need (GCN) as being associated with shrubland habitat and in need of active management.

support would minimize temporary disturbances to wetland soils, and the mats would be removed after the activities are complete. Work activities in wetlands, including the proposed tree removal, will be conducted in accordance with the Eversource's 2016 *Construction & Maintenance Environmental Requirements, Best Management Practices Manual for Massachusetts and Connecticut* ("BMPs") and comply with Project permits and approvals.

After the installation of the rebuilt line, Eversource would perform ROW restoration in accordance with the protocols specified in the BMPs and based on consultations with the 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 cultural resources. The replacement structures and conductors will be very similar to the existing features of the line. However, the monopole structures will present a more streamlined appearance than the existing lattice structures. No portion of the ROW traverses or is located near a locally or state designated scenic roadway².

A desktop review of the Connecticut Department of Energy and Environmental Protection's ("CT DEEP") GIS and field investigations data was conducted to identify where portions of the ROW traverse or are adjacent to public open space property or trails. These areas, which are detailed below, provide a variety of recreational opportunities including hiking, archery, shooting, fishing, and hunting. Eversource would coordinate with the owners or managers of these public recreational areas to develop and implement measures to maintain public safety

² Connecticut Department of Transportation (CTDOT), October 1, 2018 Connecticut State Scenic Roads. Accessed May 15, 2020. Available URL: <https://portal.ct.gov/DOT/Programs/Connecticut-Scenic-Roads>. The Town of East Granby or Suffield do not have any listed scenic roads in proximity to the Project.

during Project construction, while also avoiding or minimizing short-term impacts to recreational users.

- Newgate Wildlife Management Area (“WMA”) is a state managed area located in East Granby and is associated with the Farmington Valley Greenway (see Attachment A, Map Sheets 1 - 3). The WMA encompasses over 600 acres and is managed by CT DEEP to provide habitat for regulated hunting activities of small game, waterfowl, turkey, and deer.
- The Metacomet Trail (see Attachment A, Map Sheets 6 - 9) is a 62.4-mile CT Blue Blaze Hiking Trail that runs from Meriden, CT to the MA border. The trail parallels the ROW starting north of the intersection of Newgate Road and Copper Hill Road in Suffield, and eventually crosses the ROW, near Structure 3225 (Map Sheet 9), approximately 0.18 miles north of Mountain Road in Suffield.
- Farmington Canal Heritage Trail (see Attachment A, Map Sheet 1) is an approximately 80-mile multi-use rail trail located in CT and MA. The trail, which is paved, is located outside of the Project ROW.³
- Suffield Sportsman’s Association (see Attachment A, Map Sheet 8) offers sporting opportunities including archery, shooting, fishing, hunting, and hunter safety classes.

A cultural (archaeological and historical) resources review of the proposed Project area was conducted by Heritage Consultants, LLC (“Heritage”) in March and May 2020. This review included the following:

- A Phase 1A preliminary archaeological and historical resources assessment using a three-step approach to: 1) gather and present data regarding previously identified cultural resources situated within the vicinity of the 1768 Line; 2)

³ There is a potential off-ROW alternative access route off Route 20 (Turkey Hills Road) in East Granby that would avoid a lengthy wetland crossing within the ROW as shown on Map Sheet 1, which would perpendicularly cross the trail. Acquisition of permanent access rights across the trail have been discussed with the managing organization and the abutting landowners.

investigate natural and historical characteristics of the Project area; and 3) evaluate the need for completing additional cultural resources investigations. There were six previously identified archaeological sites located within 500 feet of the Project area.

- A Phase 1B cultural resources reconnaissance survey (shovel testing) where Project activities are proposed in 23 areas based on the Phase 1A assessment.

The Phase 1A determined that no National Register of Historic Places (“NRHP”), state or locally listed properties or historic districts are located within 500 feet of the Project ROW. Additionally, the Phase 1A identified 23 locations within the Project area as having a moderate to high potential for archaeological sensitivity, prompting further investigation via the execution of a Phase 1B survey.

The Phase 1B survey resulted in the identification of one (1) cultural resource location⁴ in the vicinity of proposed structure 3192 as having intact cultural deposits and thus recommended that the location be matted during construction to avoid any potential impacts. While no structure installation is proposed in this area, Eversource will utilize fill material placed on geotechnical fabric at this location to avoid ground disturbance. Once construction is complete, the geotechnical fabric and fill material will be removed, and grades restored back to pre-construction conditions. The results of the Phase 1B survey, and Eversource’s proposed protection strategy were provided to the State Historic Preservation Office (“SHPO”) and the Tribal Historic Preservation Offices (“THPO”) of the Mohegan Tribe of Native Americans of Connecticut and the Mashantucket Pequot Tribal Nation on July 3, 2020.

⁴ The Phase 1B shovel testing regime included the excavation of 137 test pits throughout these locations.

Wetlands, Watercourses, Waterbodies and Flood Zones

Eversource identified and delineated water resources in the Project area during September and October 2019 (see Attachment D: Wetlands and Watercourses Report; see also the map sheets provided in Attachment A, which depict such water resources). Water resources include inland wetlands, watercourses (perennial and intermittent streams), a pond, vernal pools, and Federal Emergency Management Agency (“FEMA”) Flood Zones. All work in or near these areas would be conducted in accordance with Eversource’s BMPs and with the conditions of applicable regulatory permit conditions and approvals. Details on each of these resource areas are provided below.

Wetlands

Wetlands in the Project area were identified and delineated in accordance with industry standard methodology. A total of 22 wetlands were identified in or proximate to the Project area.

There are currently nine structures located within wetlands. New foundations for seven of these structures (3181, 3182, 3203, 3236, 3237, 3238 and 3247) would result in incremental (560 square feet) permanent wetland effects⁵. Structure replacements for two structures (3193 and 3231) currently located fully or partially in wetlands will be in adjacent uplands. In order to minimize disturbance to the wetlands, the existing concrete footings of the steel lattice structures located in wetlands will be left in place, with the existing foundations removed to 12 inches below grade where feasible. The below-ground portion of these footings are likely extensive and therefore, full or partial removal would result in excess wetland disturbance.

⁵ Based on a foundation area of each structure which would be approximately eight (8) feet in diameter.

The Project will also result in approximately 5.56 acres of temporary effects to wetlands due to the placement of construction mats for access roads and work pads. All construction mats will be promptly removed upon Project completion and wetland areas will be restored in accordance with Eversource's BMPs.

Anticipated effects to wetlands from the Project are detailed on Table W-1.

Watercourses and Waterbodies

A total of twelve watercourses and waterbodies were delineated within the Project area. These include six perennial watercourses (all unnamed), six intermittent watercourses, and one small unnamed pond (W8).

Six temporary watercourse crossings will be required during construction, including one for a work pad and five for access roads. Each of these watercourses will be spanned using temporary construction mats. All construction mats will be promptly removed upon Project completion and wetland areas will be restored in accordance with Eversource's BMPs. The following Table W-1 provides a summary of Project effects to wetlands and watercourses:

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

Wetland / Watercourse ID	200 Scale Petition Mapping Sheet No.	Wetland / Watercourse Effects (\pm square feet)		
		Temporary (Matting)	Permanent (Structures)	Secondary (Selective Tree Removal)
W1A	01	35,585	0	2,849
W1	01	66,108	160	0
W2	02	745	0	0
W3	02	7,416	0	0
W5/S3	03	375	0	0
W7	03	5,976	0	0
W9	05	11,956	80	0
W11	06	503	0	0
W14/S8	08	230	0	0
W17/S10/S11	10	13,332	0	0
W18	10	4,618	0	0
W19	11	64,266	240	0
W20	11	7,205	0	0
W21	12	7,969	0	0
W22/S12	13	16,032	80	0
TOTAL		242,087 (5.56 acres)	560 (0.013 acre)	2,849 (0.07 acre)

Vernal Pools

The Project area was surveyed for vernal pools in spring 2020. Survey methods used included visual surveys to identify adults, larvae and egg masses, audial surveys to record breeding choruses and dip-net surveys to identify amphibian larvae. A total of eight vernal pools were identified and delineated. Vernal pools and vernal pool envelopes (area within 100 feet of a vernal pool depression) are shown in Attachment A. The survey results and recommended protection measures are provided in Attachment E: Vernal Pool Survey. To minimize potential effects to vernal pools, Eversource would adopt the recommended protection measures detailed in Attachment E.

FEMA Flood Zones

The Project ROW extends across 100-year FEMA flood zones associated with unnamed perennial watercourses S3 and S12 and 500-year flood zones of unnamed watercourses S2, S10, S11. None of the replacement structures are proposed to be located within the 100 or 500-year flood zones.

Water Supply

Based on Aquifer Protection Areas (“APA”) mapping maintained by CT DEEP, there are no APAs within or proximate to the Project ROW. The Project is not located within a public water supply watershed and no public water supply reservoirs or public water supply wells are located within the Project area. No private water supply wells were observed within the Project area during field investigation activities.

Eversource would require its contractors to employ best 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; Spill Prevention and Control Plan), which would be prepared prior to the commencement of construction.

Wildlife and Habitat

The Project area extends through the North-Central Lowlands Ecoregion of the state, and includes a variety of habitat types, including managed shrubland, forest edge, emergent marsh, wet meadow, and scrub-shrub habitat types. Wetland habitats include cryptic vernal pools. Notable habitats present include the Great Marsh wetland system noted for its high amphibian and reptile biodiversity and the CT DEEP's Newgate Wildlife Management Area which represents a large contiguous habitat block that provides habitat for a wide variety of upland and wetland forest and early-successional dependent species. The northern sections of the ROW borders on the western edge of a regional traprock ridge system, a movement corridor for many species of terrestrial wildlife as well as for migratory birds. The Project transmission line structure and conductor replacement work will occur within Eversource's maintained ROW or on Eversource-owned property and thus would not be anticipated to have a substantial adverse environmental effect on wildlife habitat.

In June of 2020, Eversource submitted a Natural Diversity Database ("NDDDB") State-listed Species Review request to the CT DEEP for the proposed structure replacement activities on the 1768 Line within the NDDDB-mapped habitat area. The NDDDB response received in July 2020 identified five state-listed species⁶ known to occur within or near the Project area and requested that Eversource perform surveys to confirm the presence/absence of such species

⁶ To protect the state listed rare, threatened and special concern species and their habitats, no details are included in this Petition regarding species/habitat types, names or locations. The Attachment A mapping provides only general areas of the Project area as identified publicly by NDDDB.

in the Project area. Eversource is currently undertaking these activities and upon completion will provide the results to CT DEEP and will adhere to any additional recommendations and/or protection strategies that may be required. Eversource expects to continue to consult with NDDDB as appropriate and implement species-specific protection and mitigations measures to avoid impacts to the listed species and their habitats during Project construction.

In addition to coordinating with the NDDDB for the protection of state-listed species, 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 two federal-listed species; the Northern Long-eared Bat ("NLEB"; *Myotis septentrionalis*), and Small Whorled Pogonia (*Isotria medeoloides*) may potentially occur in proximity to the Project area.

NLEB roost in certain trees in the warmer months of the year and at other times, hibernate in caves and/or mines ("hibernacula"). According to the NLEB Areas of Concern in Connecticut map (dated February 2016), there are no known roost trees within 150 feet of the Project area with the nearest hibernacula located within 0.4 mile of the Project area (Granby, CT). 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 will be completed to confirm that NLEB will not be adversely affected. If protection measures are requested by USFWS, such as time-of-year restrictions for tree removal, Eversource will adhere to these measures.

The Small Whorled Pogonia is a small, perennial orchid of deciduous forests that blooms from late spring to early summer. Habitat requirements for this species include flats or slope bases having a moderate to light shrub layer and a relatively open canopy. Soil characteristics

consistently found within this species' habitat include a sandy loam textured soil type having a fragipan or restrictive layer below the soil surface, allowing for lateral water movement. Soils at most sites occupied by Small Whorled Pogonia are highly acidic and nutrient poor, with moderately high soil moisture values.

Soils within the Project area are predominantly comprised of silt loam, not sandy loam soil types. While deciduous forests will be minimally affected by the Project, no suitable habitat for this species is present within the Project area and therefore, no impacts are anticipated.

Visual Effects

The Project would result in some change to the visual character of the line, though Eversource does not believe that the change would result in a substantial difference. While slightly taller and of a different design than the existing structures they will be replacing, replacement monopole structures would be located as close as possible to the existing structures and would present a more streamlined appearance. These visual effects would be further softened by utilizing weathering steel for the new structures allowing them to blend in more easily from views through existing vegetation and match the structures supporting the 3216 Line, further minimizing visual impacts to the surrounding areas. Additionally, the 1768 Line replacement structures, while sometimes different in design, will be equal to or lower in height than the existing 3216 Line structures in most cases. As a result, the Project would not result in a detrimental change to the existing visual character of the line in this area, from nearby residential developments and publicly accessible land and in some locations would improve the view within and along the ROW.

Sound Levels along the Transmission ROW

The construction of the Project would result in short-term and localized noise, as is typical of similar construction projects. 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.)⁷. Upon completion of construction and during operation, the proposed Project would not have any effect on noise or sound pressure levels. Once in service, the rebuilt lines would not result in any changes to ambient noise levels.

Air Quality

Short-term, localized effects on air quality may result from the Project construction work, primarily from fugitive dust and equipment emissions. To minimize the amount of dust generated by construction activities, the extent of exposed/disturbed areas at any one time would be minimized. Vehicle emissions will be limited by requiring contractors to properly maintain construction equipment and vehicles, and by minimizing the idling time of equipment and vehicles, including diesel construction equipment, in accordance with Connecticut regulatory requirements⁸. Temporary gravel tracking pads would be installed at points of construction vehicle ingress/egress from the ROW to minimize the potential for equipment to track dirt onto local roads. To further minimize dust, water may be used to wet down disturbed soils or work areas with heavy tracking as needed.

⁷ Construction noise is exempted under the Connecticut regulations for the control of noise, RCSA 22a-69-1.8(h).

⁸ 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.

Radio and Television Interference

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

5. Traffic Management

Construction vehicles and equipment associated with the work would include, but are not limited to, pickup trucks, bucket trucks, flat-bed trucks, excavators, concrete trucks, drill rigs, front loaders, reel trailers, bulldozers, wood chippers, brush hogs/mowers, forklifts, side booms, dump trucks and cranes. Pullers and tensioners will be used for the line work. Guard trucks and/or temporary guard structures would be used for protection of roads during the line work.

Construction-related vehicular and equipment movements would utilize public roads in the Project area to access the 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 areas. Due to phasing of construction work, these Project-related traffic movements are 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, as appropriate, work with the Towns and the Connecticut Department of Transportation to develop and implement traffic management procedures, as needed. The construction contractor is typically 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 necessary.

6. Construction Sequence

Project construction would include the following activities:

Establishing Staging Areas

The Project is proposing to utilize a property located at 769 Silver Street (with access off of Moylan Lane) in the City of Agawam, MA for a staging/laydown area. The staging area is approximately 3 acres total in size and located on the storage lot of the property (See Figure 2 below).

The staging area would be used for surface storage of construction materials, equipment, tools, and supplies (including conductors, cable reels, insulators, hardware, poles and mats) for the Project. Office trailers and Conex storage containers may be located at the staging areas. Components removed during the work (structures, conductor, hardware and insulators) may be temporarily accumulated and stored at the staging areas prior to removal off-site for salvage and/or disposal. The staging area may also be used by construction crews for parking personal vehicles as well as for construction vehicles and equipment storage, and for performing minor maintenance, when needed, on construction equipment. Appropriate erosion and sedimentation (“E&S”) controls would be installed and maintained until completion of the work in accordance with Project permits and Eversource’s BMPs.

Figure 2: Staging and Laydown Areas at Silver Street, Agawam, MA



Soil Erosion and Sediment Control Installation

Project construction would conform to best management practices for erosion and sedimentation (“E&S”) control, including those provided in the *2002 Connecticut Guidelines*

for *Soil Erosion and Sediment Control* (“*Connecticut Guidelines*”) and Eversource’s BMPs. This will include the development of a project specific Stormwater Pollution Control Plan (“SWPCP”) and registration under CT DEEP’s *General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 10/1/13* (“*General Permit*”).

Typical E&S control measures include, but are not limited to, straw blankets, hay bales, silt fencing, gravel anti-tracking pads, soil and slope protection, water bars, check dams, berms, swales, plunge pools, and sediment basins. Silt fence would be installed prior to construction to intercept and retain sediment and/or construction materials from disturbed areas and prevent such materials from discharging to water resources or off ROW. Temporary E&S control measures would be maintained and inspected throughout the Project to ensure their integrity and effectiveness and for compliance with the General Permit. The SWPCP inspections will be in accordance with the General Permit requirements. Following completion of the rebuilt 1768 Line facilities, seeding and mulching would be completed to permanently stabilize the areas disturbed by the work. The temporary E&S control measures would remain in place until the Project work is complete and all disturbed areas have been deemed and remain 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 this 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 proposed 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 material in order to accommodate the safe passage of construction vehicles and equipment. 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 rail car bridges would be used. E&S controls would be installed as necessary before the commencement of any improvements to or development of access roads.

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 pull conductors and to provide a safe, level work base for the construction equipment. Typical work pads are 100 feet by 100 feet but, due to terrain and spacing between the existing and proposed structures, the work pads may be up to approximately 110 feet by 120 feet. In areas where machinery is needed for pulling conductors through an angled structure, work 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. lawn, meadow and identified cultural resource areas) or where work pads are located in wetlands.

To facilitate future transmission line maintenance, 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 approximate 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 structures will have either drilled (caisson) foundations or direct embed foundations. Foundation installation work would require the use of equipment such as augers, drill rigs, pneumatic hammers, augers, dump trucks, concrete trucks, grapple trucks and light duty trucks. If groundwater is encountered, and when working within wetlands, 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 applicable local, state and federal requirements.

Excavated soils that are generated during construction activities would be stored or spread in an upland area within the ROW, to the extent practicable. Materials that cannot be utilized as backfill would be disposed in accordance with applicable regulations.

As needed, counterpoise installation may also take place at this time. Depending on site-specific soil conductivity, supplemental grounding will be installed. A quad "ditch-witch" plow-cable trencher 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 and bucket trucks. After assembly, the area around direct embed foundations would be backfilled with processed gravel.

Conductor and OPGW Installation

The installation of the new conductors and OPGW would occur after the new structures have been erected. The equipment required for these activities would include conductor reels, conductor pulling and tensioning rigs, and bucket trucks.

Structure, Conductor and Static Wire Removal

The removal of the existing conductor and shield wire would take place during the active installation of the new conductor and OPGW because the existing conductor and shield wire will be used as pulling lines, if possible. Conductor dead-ending and splicing will be accomplished with pressed hardware.

The existing structures would be removed after the new conductor and OPGW are installed.

Restoration

Once the new structures are erected, the line is energized and the existing structures have been demolished and removed, ROW restoration activities would commence. Restoration activities would include the removal of construction debris, signage, flagging, and temporary fencing, as well as the removal of construction mats and 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 Eversource's BMPs and in consultation with affected property owners.

Waste Management

Waste materials, such as structure components (i.e., materials from the removed structures, conductor, shield wire, associated hardware, etc.) and any other construction debris would be disposed of in accordance with Eversource's BMPs, applicable regulations or recycled consistent with applicable rules and regulations and Eversource policies. As described above, excess soils would be managed in accordance with the Company's BMPs, 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.

7. Construction Schedule and Work Hours

Eversource proposes to begin construction in January 2021. Normal work hours would be Monday through Saturday from 7:00 AM to 7:00 PM. Sunday work hours or evening work hours past 7:00 PM may be necessary due to delays caused by inclement weather and/or outage constraints. In the event this is necessary, the Council, Town(s) and abutters will be provided notice of the proposed Sunday and/or evening work hours.

8. Electric and Magnetic Fields

Eversource prepared calculations of the existing and post-Project Electric and Magnetic fields ("EMF"). The calculations were based on average annual loading conditions, because these are most representative of typical conditions. The calculations are made relative to the centerline of the proposed, modified transmission lines. The calculations apply at one meter

(3.28 feet) above grade and assume that the lowest conductor for each 115-kV circuit is 30 feet above grade.

Eversource’s proposed design for the Project employs a single-circuit delta configuration of three phase conductors supported on tubular steel poles, in contrast to the existing horizontal configuration on lattice structures. Magnetic fields at and beyond the edges of the ROW would be essentially unchanged.

Electric fields at the western edge of the ROW are expected to increase slightly. The maximum fields in the ROW and at the southern edge will be essentially unchanged.

Table 1 summarizes the calculated electric and magnetic fields at the ROW edges before and after the modifications.

Table 1 - Summary of Calculated Electric and Magnetic Fields

East Granby Junction to Structure 3190		West ROW Edge	Max in ROW	East ROW Edge
Magnetic Fields (mG)	Existing	4.9	47.5	2.9
	Proposed	4.6	49.0	2.8
Electric Fields (kV/m)	Existing	0.14	3.77	0.17
	Proposed	0.31	3.78	0.19

Structure 3190 to Structure 3200		West ROW Edge	Max in ROW	East ROW Edge
Magnetic Fields (mG)	Existing	2.3	10.5	0.4
	Proposed	3.1	10.4	0.4
Electric Fields (kV/m)	Existing	0.09	2.32	0.09
	Proposed	0.32	2.34	0.08

Structure 3200 to Structure 3247		West ROW Edge	Max in ROW	East ROW Edge
Magnetic Fields (mG)	Existing	4.6	34.5	2.9
	Proposed	4.6	35.8	2.7
Electric Fields (kV/m)	Existing	0.09	2.75	0.20
	Proposed	0.25	2.75	0.21

The results of the calculations show that the proposed modifications would not substantially increase electric or magnetic fields at the edges of the ROW. See Attachment F: EMF Graphs.

Comparison of Calculated Fields to International Guidelines

The anticipated fields resulting from the proposed Project are well below the internationally established exposure limits for 60-Hz electric and magnetic fields, specifically, the limits identified by the International Council on Electromagnetic Safety (“ICES”) and the International Council on Non-Ionizing Radiation Protection (“ICNIRP”). These standards are summarized below in Table 2.

Table 2 - International Guidelines for EMF Exposure

	Magnetic Field (mG)	Electric Field (kV/m)
ICNIRP	2000	4.2
ICES	9040	5 (in General)
		10 (on ROW)

9. Municipal and Property Owner Outreach

In March 2020, Eversource consulted with the municipal officials in the Towns of East Granby and Suffield to brief them on the proposed Project. Additionally, in August 2020, Eversource provided representatives of the Towns with written notice of the Petition filing.

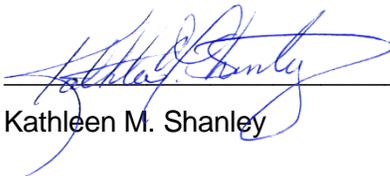
During the Spring of 2020, Eversource conducted outreach to property owners located along the ROW. In conjunction with the submission of this Petition, all abutting property owners were notified of the filing and provided information on how to obtain additional information on the Project, as well as how to submit comments to the Council. Eversource representatives will continue 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.

10. 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:

Kathleen M. Shanley
Manager – Transmission Siting
Eversource Energy
PO Box 270
Hartford, CT 06141-0270
Telephone: (860) 728-4527

By: 
Kathleen M. Shanley

List of Attachments

- Attachment A: 1768 Line Lattice Tower Replacement Project – Aerial Maps
- Attachment B: Line 1768 – Right-of-Way Cross Section
- Attachment C: List of Structure Replacements
- Attachment D: Wetlands and Watercourses Report
- Attachment E: Vernal Pool Survey
- Attachment F: EMF Graphs
- Attachment G: Letter to the Abutters and Affidavit

Attachment A: 1768 Line Lattice Tower Replacement Project – Aerial Maps



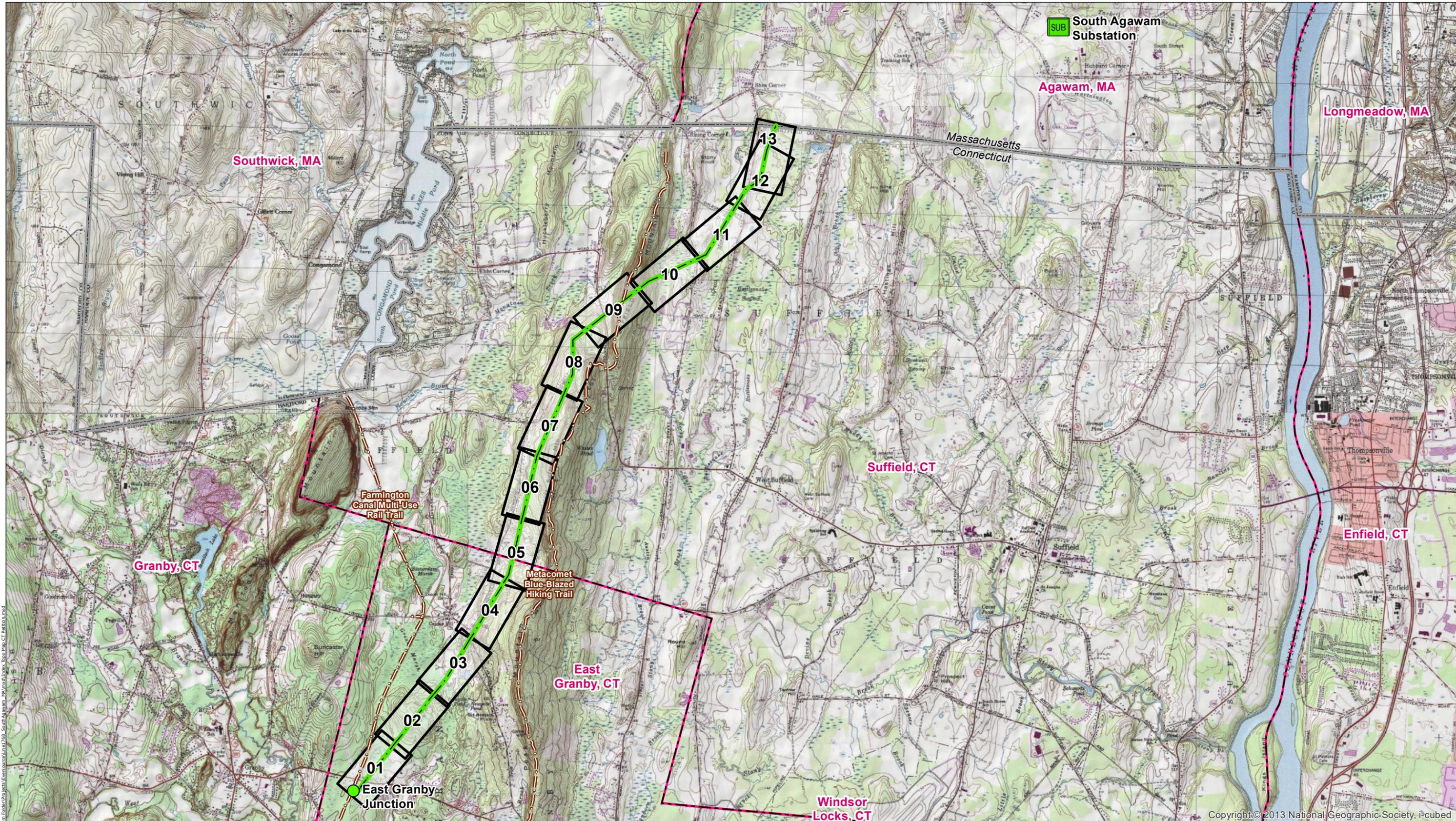
1768 Line Lattice Tower Replacement Project Maps

East Granby and Suffield, CT

August 10, 2020



Note: This page intentionally left blank



SUB South Agawam Substation

Agawam, MA

Longmeadow, MA

Southwick, MA

Massachusetts Connecticut

Suffield, CT

Granby, CT

Enfield, CT

Farmington Canal Multi-Use Rail Trail

Metacomet Blue-Blazed Hiking Trail

East Granby, CT

Windsor Locks, CT

East Granby Junction

Copyright © 2013 National Geographic Society, i-cubed

C:\Users\NCastro\Desktop\APT GIS\WPT GIS Team\Folder\Project\Drawings\Index Map\MA.ctb

INDEX MAP



Legend

- Junction
- Map Sheet
- SUB Substation
- Trail
- Municipal Boundary
- State Line
- Project Corridor



Base Map Source: ESRI USA Topographic Maps

EVERSOURCE
ENERGY

1768 Line Lattice Tower Replacement Index Map

East Granby and Suffield, CT

Date: August, 2020

Map Author: N. Castro



NO.	DATE	REVISIONS	BY	CHK	APP	APP

MAPSHEET 01 of 13
1768 Line Lattice Tower Replacement
Existing Structures 3179 to 3183
Town of East Granby, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Residential
- Undeveloped, forest
- Eversource owned property
- Natural Diversity Database Area
- Farmington Canal Trail
- State owned land (Newgate Wildlife Management Area)

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Eversource owned property from structure 3179 through 3183
- Natural Diversity Database Area from structures 3180 to 3182

Water Resources

- Wetlands – W1, W1A, W1B, W1C, W2
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – S1, S1A, S1B, S2
- Vernal Pools – VP1, VP2, VP3
- 500-year Flood Zones

Wetland and Watercourse Crossings

- W1A – construction mats for work pads and access
- W1 and VP2 – construction mats for work pads and access
- S1B – construction mats for access

Right-of-Way Vegetation

- Scrub-shrub
- Forest

Access

- Structure 3180 to 3184: proposed and existing access from Turkey Hills Road
- Structure 3179: proposed access from Turkey Hills Road

Road Crossings

- Turkey Hills Road (State Route 20)

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

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
100	4 GRANGER CIRCLE	EAST GRANBY	CT	DARIN MA & NADINE D LEMIRE
102	2 GRANGER CIRCLE	EAST GRANBY	CT	RICHARD DANIELS
103	TURKEY HILLS ROAD LOT 5A	EAST GRANBY	CT	THE CONNECTICUT LIGHT AND POWER COMPANY (EVERSOURCE)
104	237 TURKEY HILLS ROAD	EAST GRANBY	CT	JUDY C LATONIE
105	TURKEY HILLS ROAD LOT 27	EAST GRANBY	CT	THE CONNECTICUT LIGHT AND POWER COMPANY (EVERSOURCE)
105.01	TURKEY HILL ROAD	EAST GRANBY	CT	FARMINGTON CANAL MULTI-USE RAIL TRAIL
106	216 TURKEY HILLS ROAD	EAST GRANBY	CT	NICOLE RICHARDSON
107	214 TURKEY HILLS ROAD	EAST GRANBY	CT	RENAUD MASSON C/O LINDA MASSON
108	210 TURKEY HILLS ROAD	EAST GRANBY	CT	KEVIN A STOKES
109	206 TURKEY HILLS ROAD	EAST GRANBY	CT	BARBARA ZACHS
110	NEWGATE ROAD	EAST GRANBY	CT	STATE OF CONNECTICUT

MAPSHEET 02 of 13
1768 Line Lattice Tower Replacement
Existing Structures 3184 to 3189
Town of East Granby, Connecticut

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
105	TURKEY HILLS ROAD LOT 27	EAST GRANBY	CT	THE CONNECTICUT LIGHT AND POWER COMPANY
110	NEWGATE ROAD	EAST GRANBY	CT	STATE OF CONNECTICUT

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Undeveloped, forest
- Natural Diversity Database Area
- State owned land (Newgate Wildlife Management Area)

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Eversource owned property at structure 3184
- Natural Diversity Database Area from structures 3186 through 3189
- Newgate Wildlife Management Area from structures 3185 through 3189

Water Resources

- Wetlands – W2, W3, W4
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – None
- Vernal Pools – VP4

Wetland and Watercourse Crossings

- W2 – construction mats for work pad
- W3 – construction mats for work pad

Right-of-Way Vegetation

- Scrub-shrub
- Forest

Access

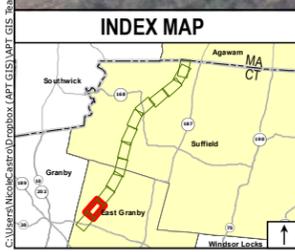
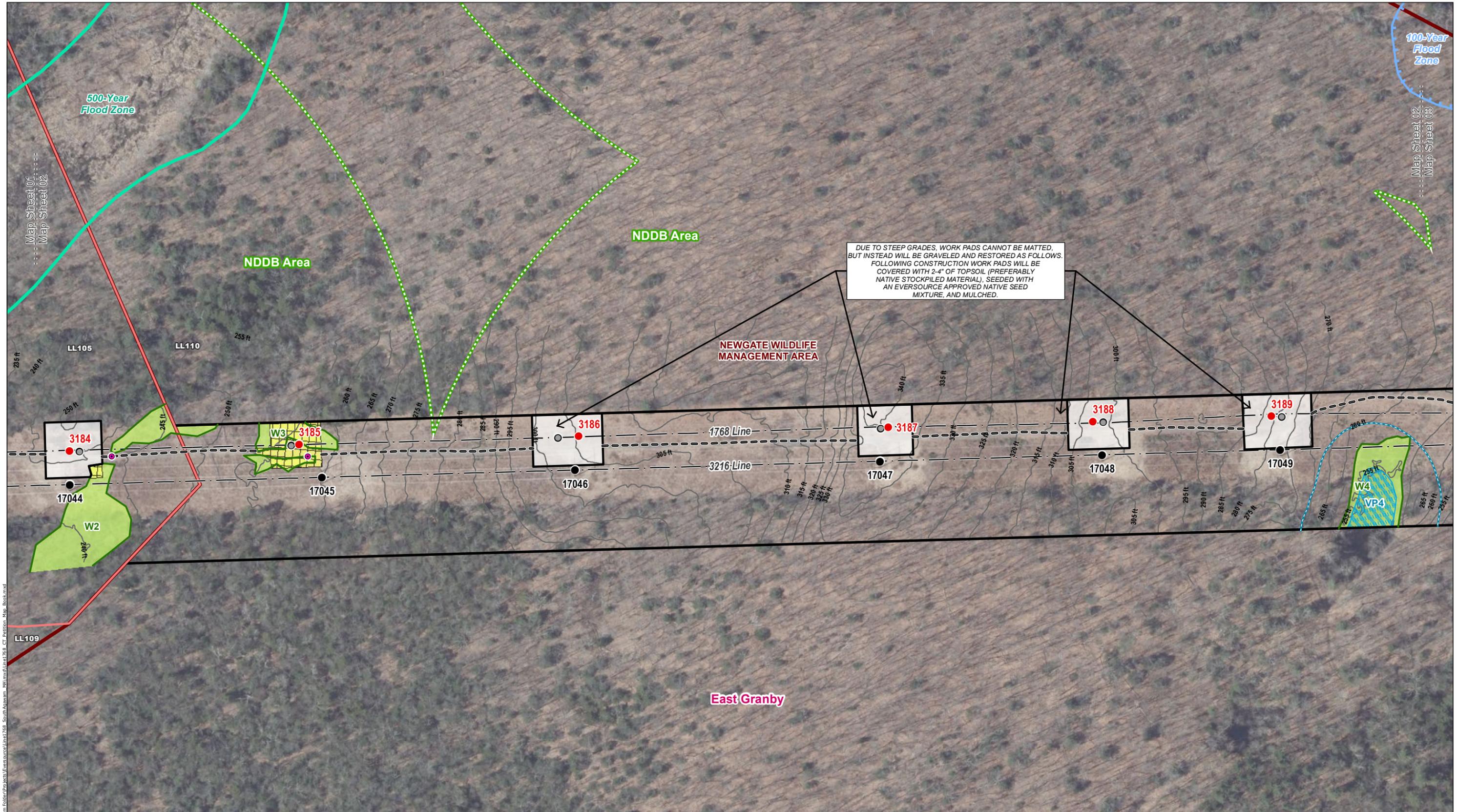
- Structure 3185 to 3189: proposed and existing access from Turkey Hills Road and Newgate Road

Road Crossings

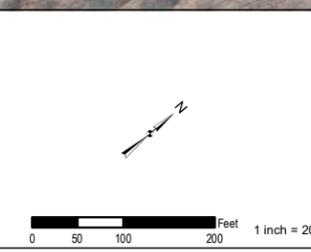
- None

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

- ± 200' / No proposed clearing



Legend	
● (Red)	Proposed Structure
● (Black)	Existing Structure
○ (Black)	Existing Structure to be Removed
— (Black)	Existing Right-of-Way (ROW)
— (Dashed)	Overhead Eversource Line
— (Dotted)	5' Contour Line
⊕ (Blue)	Gate
○ (Pink)	Culvert
— (Dashed)	Existing Access
— (Dotted)	Proposed Access
— (Dotted)	Proposed Alternate Access
■ (Black)	Stone Work Pad
■ (Yellow)	Temporary Construction Matting
— (Blue)	Delineated Intermittent Watercourse
— (Blue)	Delineated Perennial Watercourse
— (Green)	Delineated Wetland Boundary Outline
■ (Light Green)	Field Delineated Wetland
■ (Blue)	Open Water
■ (Blue)	Confirmed Vernal Pool Extent
■ (Light Blue)	100' Vernal Pool Envelope
■ (Green)	CT Natural Diversity Database Area (June 2020)
■ (Light Blue)	FEMA 100-Year Flood Zone
■ (Light Green)	500-Year Flood Zone
■ (Light Blue)	Floodway
■ (Light Green)	Eversource Owned Property
■ (Light Blue)	State-Owned Property
■ (Light Green)	Parcel Boundary
— (Dotted)	Trail
— (Black)	Railroad
— (Red)	Municipal Boundary
— (Dotted)	Map Sheet Matchline



Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE
ENERGY

1768 Line Lattice Tower Replacement

East Granby, CT
 Map Sheet 02 of 13
 August, 2020

C:\Users\michaelcastro\Documents\GIS\Team\Bolder\Projects\Eversource\Line 1768 - CT\Permitting\Map_Book.mxd

MAPSHEET 03 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3190 to 3195

Town of East Granby, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Residential
- Undeveloped, forest
- Natural Diversity Database Area
- State-owned land (Newgate Wildlife Management Area)
- New Gate Pond

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Residential adjacent to structures 3192 to 3195
- Natural Diversity Database Area from structures 3190 through 3194
- Newgate Wildlife Management Area between structures 3190 and 3191

Water Resources

- Wetlands – W5, W6, W7
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – S3
- Vernal Pools – VP5
- 100-year Flood Zone associated with watercourse S3

Wetland and Watercourse Crossings

- W5 and S3 – construction mats for access
- W7 – construction mats for work pads

Right-of-Way Vegetation

- Scrub-shrub
- Forest
- House/yard

Access

- Structure 3190 to 3195: proposed and existing access from Turkey Hills Road and Newgate Road

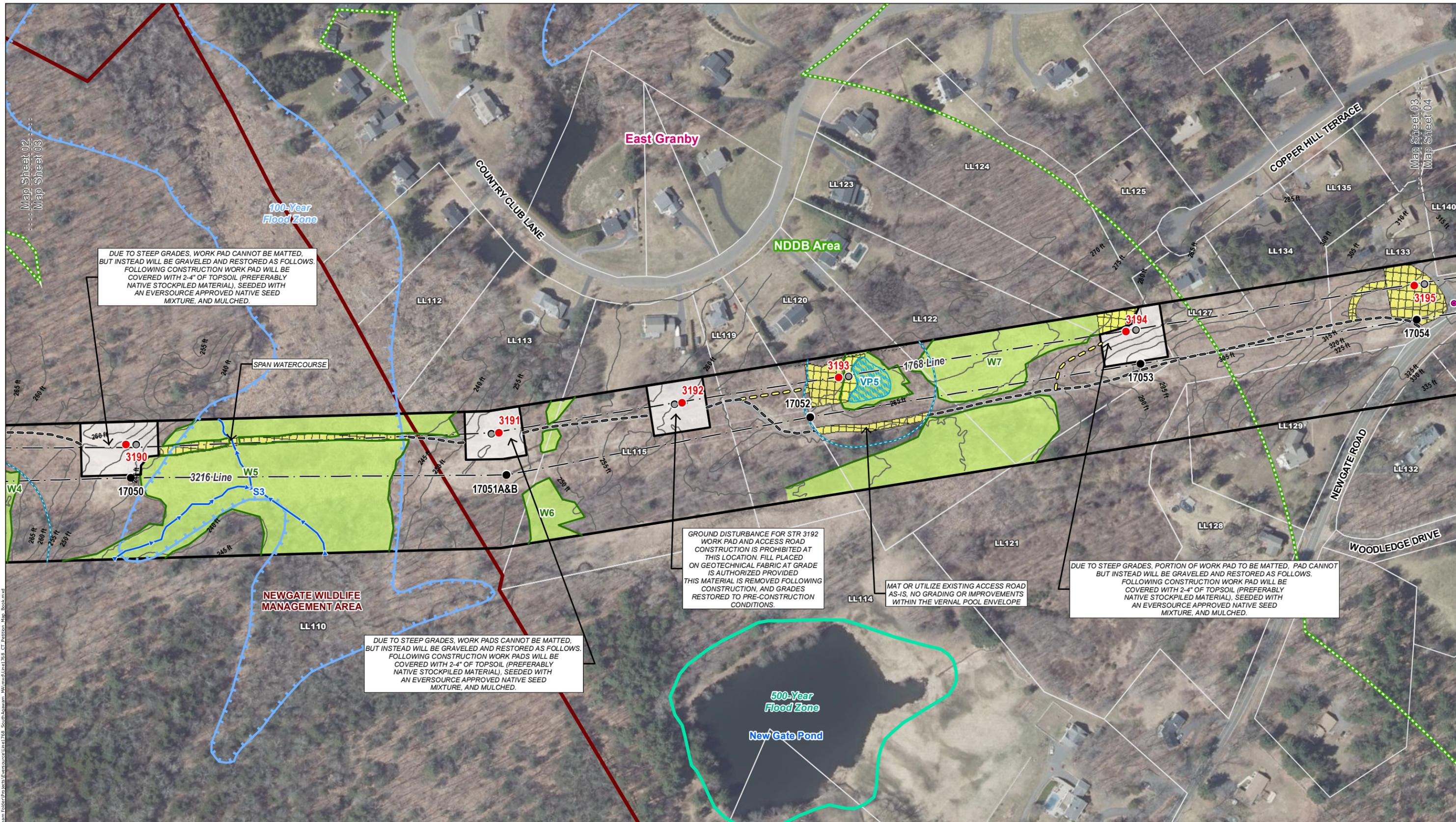
Road Crossings

- None

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

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
110	NEWGATE ROAD	EAST GRANBY	CT	STATE OF CONNECTICUT
112	43 COUNTRY CLUB LANE	EAST GRANBY	CT	DALE DAWSON & JOSEPH PETROLITO
113	41 COUNTRY CLUB LANE	EAST GRANBY	CT	GLENN T GLADE
114	151 NEWGATE ROAD	EAST GRANBY	CT	KIRK D & REBECCA A JUNCO
115	39 COUNTRY CLUB LANE	EAST GRANBY	CT	CHARLES A & NANCY PASSERI
119	37 COUNTRY CLUB LANE	EAST GRANBY	CT	HENRY N & DEBBIE E COLLIE
120	35 COUNTRY CLUB LANE	EAST GRANBY	CT	KELLY A TUBRIDY
121	163 NEWGATE ROAD	EAST GRANBY	CT	NOEL M BOURQUIN
122	33 COUNTRY CLUB LANE	EAST GRANBY	CT	ROBERT P & ELIZABETH H KOEHLER
123	31 COUNTRY CLUB LANE	EAST GRANBY	CT	LAURA P CORLISS
124	29 COUNTRY CLUB LANE	EAST GRANBY	CT	BRIAN J BOYINGTON & ELIZABETH S UGOLIK
125	10 COPPER HILL TERRACE	EAST GRANBY	CT	WILMINGTON SAVINGS FUND SOCIETY C/O KONDAUR CAPITAL
127	9 COPPER HILL TERRACE	EAST GRANBY	CT	DANIELLE L & MATTHEW BLOOMCORP
128	165 NEWGATE ROAD	EAST GRANBY	CT	DANIEL & GRETCHIN BADE
129	169 NEWGATE ROAD	EAST GRANBY	CT	DOUGLAS COMSTOCK
132	168 NEWGATE ROAD	EAST GRANBY	CT	RAYMONDE J & EDWARD M DAIGLE
133	177 NEWGATE ROAD	EAST GRANBY	CT	BRIAN NAGLE
134	7 COPPER HILL TERRACE	EAST GRANBY	CT	MICHAEL R & KATHARINE E IACOBUCCI
135	5 COPPER HILL TERRACE	EAST GRANBY	CT	GEOFFREY R & REBECCA A DEAN
140	181 NEWGATE ROAD	EAST GRANBY	CT	APRIL SETTEMBRI & LIONEL DUBE



Legend

● Proposed Structure	— Existing Access	— Confirmed Vernal Pool Extent	— Trail
● Existing Structure	— Proposed Access	— 100' Vernal Pool Envelope	— Railroad
● Existing Structure to be Removed	— Proposed Alternate Access	— CT Natural Diversity Database Area (June 2020)	— Municipal Boundary
— Existing Right-of-Way (ROW)	— Stone Work Pad	— FEMA 100-Year Flood Zone	— Map Sheet Matchline
— Overhead Eversource Line	— Temporary Construction Matting	— 500-Year Flood Zone	
— 5' Contour Line	— Delineated Intermittent Watercourse	— Floodway	
— Gate	— Delineated Perennial Watercourse	— Eversource Owned Property	
● Culvert	— Delineated Wetland Boundary Outline	— State-Owned Property	
	— Field Delineated Wetland	— Parcel Boundary	
	— Open Water		

Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 Imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Cornerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.



EVERSOURCE ENERGY					
1768 Line Lattice Tower Replacement					
East Granby, CT					
Map Sheet 03 of 13					
August, 2020					
NO.	DATE	REVISIONS	BY	CHK	APP



MAPSHEET 04 of 13

**1768 Line Lattice Tower Replacement
Existing Structures 3196 to 3200
Town of East Granby, Connecticut**

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Residential
- Undeveloped, forest

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Residential adjacent to structures 3197, 3199, and 3200
- Eversource owned property at structure 3197

Water Resources

- Wetlands – W8
- Wetland Cover Types – POW, PSS, PEM
- Watercourses – S4
- Vernal Pools – None

Wetland and Watercourse Crossings

- None

Right-of-Way Vegetation

- Scrub-shrub
- Forest
- House/yard

Access

- Structure 3196 to 3200: proposed and existing access from Newgate Road and Wyncairn Drive

Road Crossings

- Newgate Road

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

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
132	168 NEWGATE ROAD	EAST GRANBY	CT	RAYMONDE J & EDWARD M DAIGLE
133	177 NEWGATE ROAD	EAST GRANBY	CT	BRIAN NAGLE
1404	181 NEWGATE ROAD	EAST GRANBY	CT	APRIL SETTEMBRI & LIONEL DUBE
141	NEWGATE ROAD LOT 32	EAST GRANBY	CT	PATRICIA CARPENTER
142	3 WOODLEDGE	EAST GRANBY	CT	JOHN K & GERALYNN K MILLER
145	NEWGATE ROAD	EAST GRANBY	CT	JOHN K & GERALYNN K MILLER
146	183 NEWGATE ROAD	EAST GRANBY	CT	MATTHEW C COPPOLO
147	187 NEWGATE ROAD	EAST GRANBY	CT	JASON M & BRIDGET C TRAN
148	191 NEWGATE ROAD	EAST GRANBY	CT	ROBERT WENDALL LOOMIS
149	192 NEWGATE ROAD	EAST GRANBY	CT	JAMES J & ELAINE J FEENEY
151	NEWGATE ROAD LOT 15	EAST GRANBY	CT	THE CONNECTICUT LIGHT AND POWER COMPANY (EVERSOURCE)
152	196 NEWGATE ROAD	EAST GRANBY	CT	EDWARD L & LORI A PELLETTIER
153	198 NEWGATE ROAD	EAST GRANBY	CT	THERESA A LUTZ
154	195 NEWGATE ROAD	EAST GRANBY	CT	ROBERT D TINO
155	201 NEWGATE ROAD	EAST GRANBY	CT	MATTHEW J CONWAY III
159	206 NEWGATE ROAD	EAST GRANBY	CT	ERIC A HENON
161	6 WYNCAIRNE	EAST GRANBY	CT	MARGARET A OULLETTE
162	212 NEWGATE ROAD	EAST GRANBY	CT	ALANEA F RICHEY & MARKO R JOCIC
163	216 NEWGATE ROAD	EAST GRANBY	CT	DAWN L & DENNIS W HOMER BOUTHLETTE
166	218 NEWGATE ROAD	EAST GRANBY	CT	FRANK P & KATHY M MAGNANI
167	222 NEWGATE ROAD	EAST GRANBY	CT	JONATHAN & MARY HATCH
168	226 NEWGATE ROAD	EAST GRANBY	CT	STEPHEN W & SANDRA J ANDRE
170	4 WYNCAIRNE	EAST GRANBY	CT	GREGORY A THOMPSON & AMY E AUGUSTYN
171	8 WYNCAIRNE DRIVE	EAST GRANBY	CT	BRUCE A HAJEWSKI

MAPSHEET 05 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3201 to 3205

Town of East Granby & Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Residential
- Undeveloped, forest

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW

Water Resources

- Wetlands – W9, W10
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – S5
- Vernal Pools – None

Wetland and Watercourse Crossings

- W9 – construction mats for access and work pad

Right-of-Way Vegetation

- Scrub-shrub
- Forest

Access

- Structure 3201 to 3205: existing access from Wyncairn Drive and

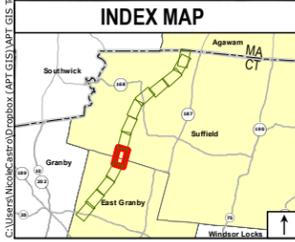
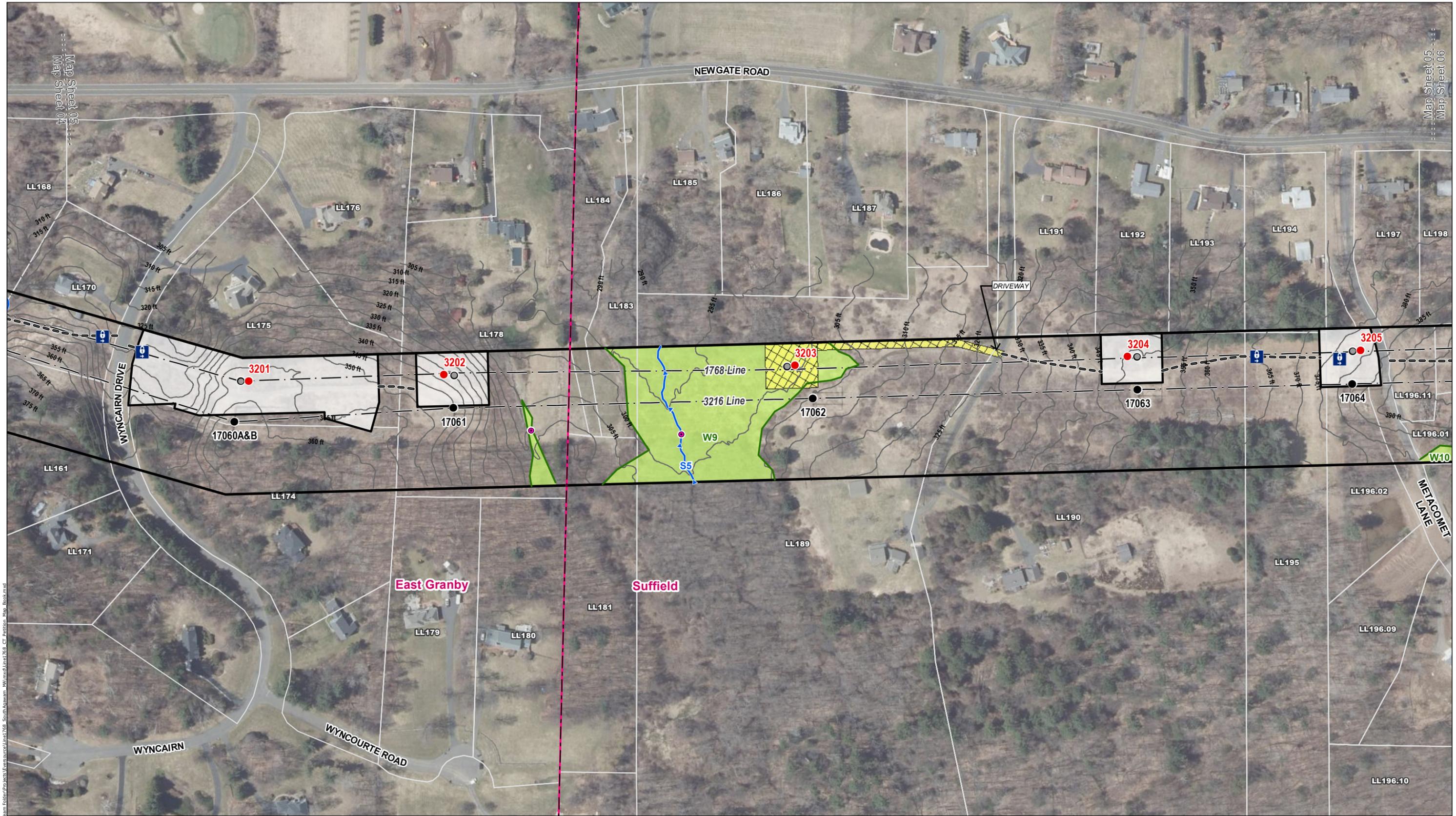
Road Crossings

- Wyncairn Drive
- Metacomet Lane

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

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
161	6 WYNCAIRNE	EAST GRANBY	CT	MARGARET A OULLETTE
168	226 NEWGATE ROAD	EAST GRANBY	CT	STEPHEN W & SANDRA J ANDRE
170	4 WYNCAIRNE	EAST GRANBY	CT	GREGORY A THOMPSON & AMY E AUGUSTYN
174	2 WYNCAIRNE	EAST GRANBY	CT	ROBERT PHILLIP BROWN
175	3 WYNCAIRNE	EAST GRANBY	CT	SHEILA SCANLON & JOHN LONGO
176	1 WYNCAIRNE	EAST GRANBY	CT	YOUNGTAI & EUNKYONG JUN
178	248 NEWGATE ROAD	EAST GRANBY	CT	REBENSKE IRREVOCABLE TRUST - J ZYGAROWSKI & J KNOWLEN,
179	3 WYNOURTE	EAST GRANBY	CT	GLENN J & ELEANOR R ZAUGG
180	7 WYNOURTE	EAST GRANBY	CT	VALERIY & ALICE NOVOKHATSKY
181	NEWGATE ROAD	SUFFIELD	CT	VALERIY NOVOKHATSKY & ALICE KEGOLIS
182	1334 NEWGATE ROAD	SUFFIELD	CT	ROBIN T HINKLEY-WACHS & CRAIG A WACHS
183	NEWGATE ROAD	SUFFIELD	CT	ROBIN T HINKLEY-WACHS & CRAIG A WACHS
184	1334 NEWGATE ROAD	SUFFIELD	CT	ROBIN HINCKLEY WACHS & CRAIG A WACHS
185	1324 NEWGATE ROAD	SUFFIELD	CT	WALTER D NEVERS
186	1270 NEWGATE ROAD	SUFFIELD	CT	MARSHAL S FOX
187	1240 NEWGATE ROAD	SUFFIELD	CT	JEANNE MARIE RUSSO
189	1208 NEWGATE ROAD	SUFFIELD	CT	BEVERLY & GERALD C HARRIS AND DARLENE M & TIMOTHY C
190	1204 NEWGATE ROAD	SUFFIELD	CT	RICHARD M & DIANE J LEGERE
191	1200 NEWGATE ROAD	SUFFIELD	CT	KIMBERLY D MURZYN
192	1190 NEWGATE ROAD	SUFFIELD	CT	EDWARD G TARAVELLA
193	1180 NEWGATE ROAD	SUFFIELD	CT	ALBERT G LAWSON
194	1170 NEWGATE ROAD	SUFFIELD	CT	BRUCE & DOROTHY K MILLICK
195	NEWGATE ROAD	SUFFIELD	CT	BRUCE & DOROTHY K MILLICK
196	NEWGATE ROAD	SUFFIELD	CT	WILLIAM P MCKEON, II
196.01	METACOMET LANE	SUFFIELD	CT	DEER CLIFF ASSOCIATION INC.
196.02	METACOMET LANE	SUFFIELD	CT	DEER CLIFF ASSOCIATION INC.
196.03	2 METACOMET LANE	SUFFIELD	CT	PEAK MOUNTAIN DEVELOPMENT LLC
196.09	3 METACOMET LANE	SUFFIELD	CT	PEAK MOUNTAIN DEVELOPMENT LLC
196.10	METACOMET LANE	SUFFIELD	CT	SUFFIELD LAND CONSERVANCY, INC.
196.11	NEWGATE ROAD	SUFFIELD	CT	RICHARD B ZAK & STEPHEN A ADAMS
197	1146 NEWGATE ROAD	SUFFIELD	CT	STEPHEN A ADAMS & RICHARD B ZAK
198	1140 NEWGATE ROAD	SUFFIELD	CT	RALPH H PINNEY, TRUSTEE



Legend	
● (Red)	Proposed Structure
● (Black)	Existing Structure
● (Black)	Existing Structure to be Removed
— (Black)	Existing Right-of-Way (ROW)
— (Dashed)	Overhead Eversource Line
— (Dotted)	5' Contour Line
⊕ (Blue)	Gate
⊕ (Pink)	Culvert
— (Dashed)	Existing Access
— (Dotted)	Proposed Access
— (Dotted)	Proposed Alternate Access
□ (Black)	Stone Work Pad
□ (Yellow)	Temporary Construction Matting
— (Blue)	Confirmed Vernal Pool Extent
— (Blue)	100' Vernal Pool Envelope
□ (Green)	CT Natural Diversity Database Area (June 2020)
□ (Light Blue)	FEMA 100-Year Flood Zone
□ (Light Blue)	500-Year Flood Zone
— (Blue)	Delineated Intermittent Watercourse
— (Blue)	Delineated Perennial Watercourse
— (Green)	Delineated Wetland Boundary Outline
□ (Light Green)	Field Delineated Wetland
□ (Light Blue)	Open Water
— (Red)	Eversource Owned Property
— (Black)	State-Owned Property
— (Black)	Parcel Boundary
— (Dotted)	Trail
— (Black)	Railroad
— (Red)	Municipal Boundary
— (Dotted)	Map Sheet Matchline

Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.



EVERSOURCE ENERGY					
1768 Line Lattice Tower Replacement					
East Granby & Suffield, CT					
Map Sheet 05 of 13					
August, 2020					
NO.	DATE	REVISIONS	BY	CHK	APP



C:\Users\michaelc\OneDrive\Documents\GIS\Team\Bolder\Projects\Eversource\Line 1768_Suffield\Map_Sheet_05.mxd

Map Sheet 05
Map Sheet 04

Map Sheet 05
Map Sheet 06

MAPSHEET 06 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3206 to 3211

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Residential
- Undeveloped, forest
- Unnamed ponds

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Residential adjacent to structures 3206 through 3208
- Tree farm adjacent to structure 3210

Water Resources

- Wetlands – W10, W11, W12, W13
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – S6
- Vernal Pools – None

Wetland and Watercourse Crossings

- W11 – construction mats for work pad

Right-of-Way Vegetation

- Scrub-shrub
- Forest

Access

- Structure 3206 to 3211: existing access from Metacomet Lane and Phelps Road

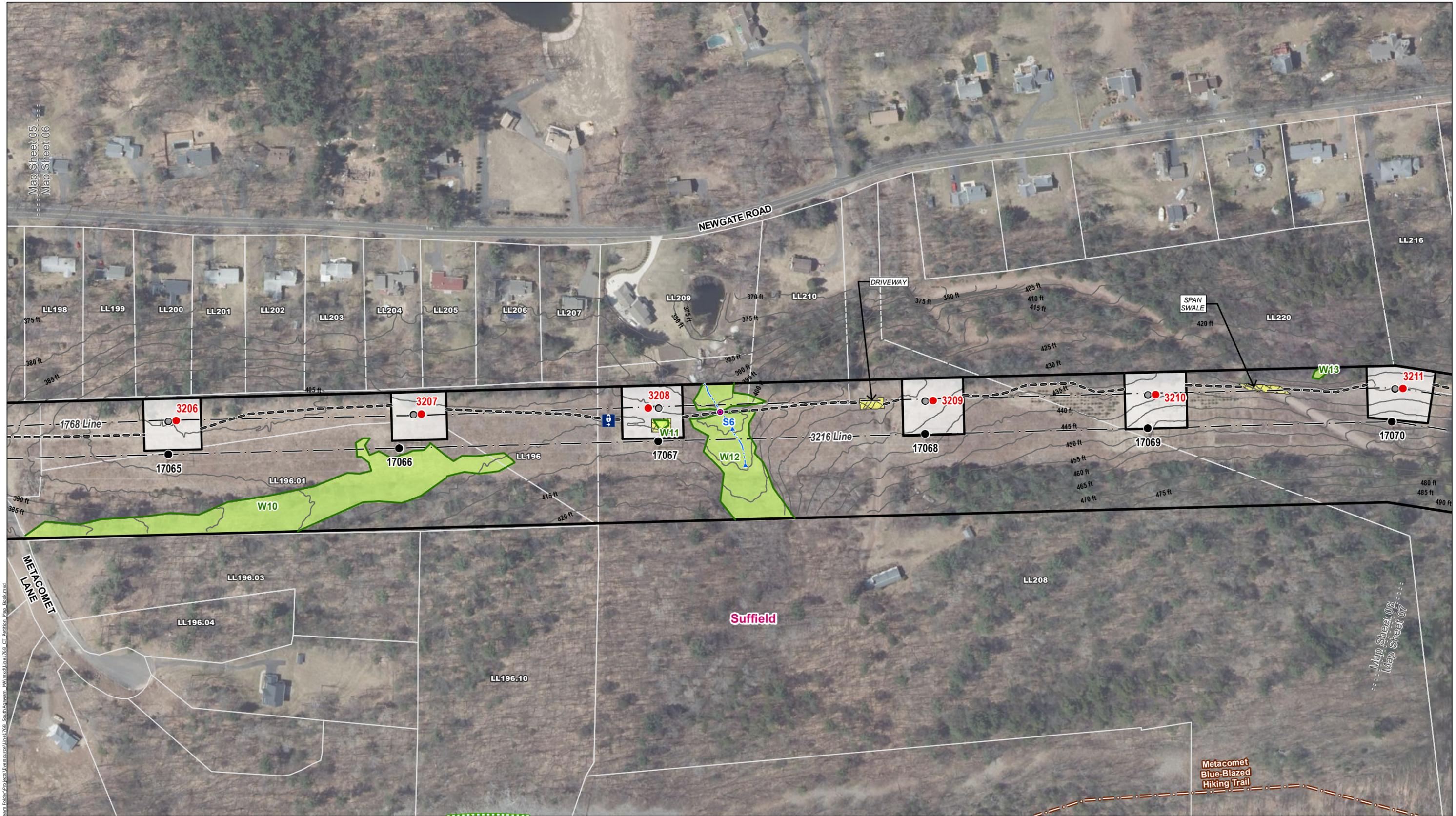
Road Crossings

- Metacomet Lane

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

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
196	NEWGATE ROAD	SUFFIELD	CT	WILLIAM P MCKEON, II
196.01	METACOMET LANE	SUFFIELD	CT	DEER CLIFF ASSOCIATION INC.
196.02	METACOMET LANE	SUFFIELD	CT	DEER CLIFF ESTATES ASSOCIATION INC.
196.03	2 METACOMET LANE	SUFFIELD	CT	PEAK MOUNTAIN DEVELOPMENT LLC
196.04	10 METACOMET LANE	SUFFIELD	CT	PEAK MOUNTAIN DEVELOPMENT LLC
196.09	3 METACOMET LANE	SUFFIELD	CT	PEAK MOUNTAIN DEVELOPMENT LLC
196.10	METACOMET LANE	SUFFIELD	CT	SUFFIELD LAND CONSERVANCY, INC.
196.11	NEWGATE ROAD	SUFFIELD	CT	RICHARD B ZAK & STEPHEN A ADAMS
196	NEWGATE ROAD	SUFFIELD	CT	WILLIAM P MCKEON, II
197	1146 NEWGATE ROAD	SUFFIELD	CT	STEPHEN A ADAMS & RICHARD B ZAK
198	1140 NEWGATE ROAD	SUFFIELD	CT	RALPH H PINNEY, TRUSTEE
199	1120 NEWGATE ROAD	SUFFIELD	CT	CHARLES L & BOBBIE C KLING
200	1100 NEWGATE ROAD	SUFFIELD	CT	JULIE A BLAIR & LISA M WALTERS
201	1092 NEWGATE ROAD	SUFFIELD	CT	DANIEL G HARRIS
202	1082 NEWGATE ROAD	SUFFIELD	CT	MICHAEL J FELDMEIERS, JR
203	1074 NEWGATE ROAD	SUFFIELD	CT	MIRIAM D BLACKABY
204	1054 NEWGATE ROAD	SUFFIELD	CT	WILLIAM P MCKEON, II
205	1048 NEWGATE ROAD	SUFFIELD	CT	WRENN FAMILY LIVING TRUST - CLARENCE C & NINA C WRENN,
206	1036 NEWGATE ROAD	SUFFIELD	CT	RICHARD & PATRICIA SAVINO
207	1024 NEWGATE ROAD	SUFFIELD	CT	NORMAN G & ELAINE B CAVALLARO
208	958 NEWGATE ROAD	SUFFIELD	CT	DOREEN S NYSER
209	1000 NEWGATE ROAD	SUFFIELD	CT	BOGDAN & LYUBOV BOGDAN
210	972 NEWGATE ROAD	SUFFIELD	CT	RONALD A & MAGDALENA KAMPMANN
216	860 NEWGATE ROAD	SUFFIELD	CT	JOHN F VONO
220	NEWGATE ROAD	SUFFIELD	CT	RAYMOND A & BETSY BOLDLY



C:\Users\michaelcastro\Documents\GIS\Team\Bolder\Projects\Eversource\Line1768_Suffield\Map_Book.mxd
 Map Sheet 05
 Map Sheet 06

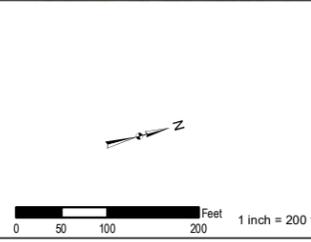
Map Sheet 06
 Map Sheet 07

INDEX MAP



Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Right-of-Way (ROW)
- - - Overhead Eversource Line
- 5' Contour Line
- Ⓜ Gate
- Culvert
- Existing Access
- Proposed Access
- Proposed Alternate Access
- Stone Work Pad
- Temporary Construction Matting
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Open Water
- Confirmed Vernal Pool Extent
- 100' Vernal Pool Envelope
- CT Natural Diversity Database Area (June 2020)
- FEMA 100-Year Flood Zone
- 500-Year Flood Zone
- Floodway
- Eversource Owned Property
- State-Owned Property
- Parcel Boundary
- Trail
- Railroad
- Municipal Boundary
- Map Sheet Matchline



Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE
ENERGY

1768 Line Lattice Tower Replacement

Suffield, CT

Map Sheet 06 of 13

August, 2020

ALL-POINTS
 TECHNOLOGY CORPORATION

MAPSHEET 07 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3212 to 3216

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Residential
- Undeveloped, forest
- Unnamed ponds
- Metacomet Trail

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Residential adjacent to structures 3215 and 3216

Water Resources

- Wetlands – None
- Wetland Cover Types – None
- Watercourses – S7
- Vernal Pools – None

Wetland and Watercourse Crossings

- None

Right-of-Way Vegetation

- Scrub-shrub
- Forest

Access

- Structure 3211 to 3216: existing access from Metacomet Lane and Phelps Road

Road Crossings

- None

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

Clearing

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
208	958 NEWGATE ROAD	SUFFIELD	CT	DOREEN S NYSER
216	860 NEWGATE ROAD	SUFFIELD	CT	JOHN F VONO
217	824 NEWGATE ROAD	SUFFIELD	CT	JASON WHITE & SUZANNE RICHARDSON-WHITE
218	810 NEWGATE ROAD	SUFFIELD	CT	RICHARD A & JACQUELINE S LATHROP
219	786 NEWGATE ROAD	SUFFIELD	CT	786 NEWGATE ROAD PROPERTIES, LLC
220	NEWGATE ROAD	SUFFIELD	CT	RAYMOND A & BETSY BOLDLY
221	3289 PHELPS ROAD	SUFFIELD	CT	WILLIAM J & SUSAN M CLARK, JR
222	3279 PHELPS ROAD	SUFFIELD	CT	GLORIA MAGLIOZZI LIVING TRUST - GLORIA & BERNARD
223	3269 PHELPS ROAD	SUFFIELD	CT	HOLLY S CONDON
224	PHELPS ROAD	SUFFIELD	CT	AQUARION WATER COMPANY OF CONNECTICUT
225	3219 PHELPS ROAD	SUFFIELD	CT	DAVID & MARIE T GAUTHIER
226	3189 PHELPS ROAD	SUFFIELD	CT	MAHMOUD M HUSSEIN
227	3165 PHELPS ROAD	SUFFIELD	CT	PATRICIA P WOOD
228	PHELPS ROAD	SUFFIELD	CT	TOWN OF SUFFIELD TOWN HALL
229	3153 PHELPS ROAD	SUFFIELD	CT	TODD & TRACEY MICHAEL
230	3131 PHELPS ROAD	SUFFIELD	CT	MATTHEW J & REBECCA F STACK
231	3109 PHELPS ROAD	SUFFIELD	CT	PAUL J & DARLENE F FABRIZI
234	3035 PHELPS ROAD	SUFFIELD	CT	GREGORY & IBITORO OSAKWE

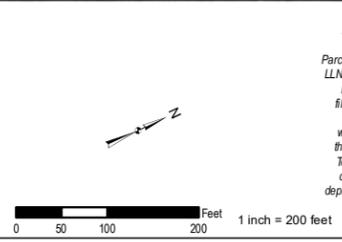


C:\Users\mcastro\OneDrive\Documents\GIS\Team\Projects\1768 Line\1768 Line.mxd

Map Sheet 06
Map Sheet 07



- Legend**
- Proposed Structure
 - Existing Structure
 - Existing Structure to be Removed
 - Existing Right-of-Way (ROW)
 - Overhead Eversource Line
 - 5' Contour Line
 - Ⓜ Gate
 - Culvert
 - Existing Access
 - Proposed Access
 - Proposed Alternate Access
 - Stone Work Pad
 - Temporary Construction Matting
 - Delineated Intermittent Watercourse
 - Delineated Perennial Watercourse
 - Delineated Wetland Boundary Outline
 - Field Delineated Wetland
 - Open Water
 - Confirmed Vernal Pool Extent
 - 100' Vernal Pool Envelope
 - CT Natural Diversity Database Area (June 2020)
 - FEMA 100-Year Flood Zone
 - 500-Year Flood Zone
 - Floodway
 - Eversource Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Trail
 - Railroad
 - Municipal Boundary
 - Map Sheet Matchline



Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 Imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

1768 Line Lattice Tower Replacement

Suffield, CT
Map Sheet 07 of 13
August, 2020

MAPSHEET 08 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3217 to 3222

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Residential
- Undeveloped, forest
- Metacomic Trail

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Residential adjacent to structures 3217 and 3220
- Eversource owned property between structures 3219 and 3221

Water Resources

- Wetlands – W14
- Wetland Cover Types – PSS, PEM
- Watercourses – S8
- Vernal Pools – None

Wetland and Watercourse Crossings

- W14 and S8 – construction mats for access

Right-of-Way Vegetation

- Scrub-shrub
- Forest
- House/yard

Access

- Structure 3217 to 3218: existing access from Metacomet Lane and Phelps Road
- Structure 3219 to 3222: proposed and existing access from Phelps Road and Mountain Road

Road Crossings

- Phelps Road

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

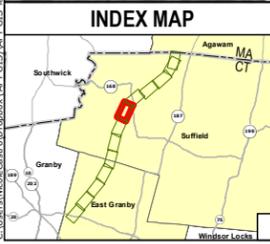
- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
231	3109 PHELPS ROAD	SUFFIELD	CT	PAUL J & DARLENE F FABRIZI
232	3085 PHELPS ROAD	SUFFIELD	CT	ROBERT E LIEBLER
233	3065 PHELPS ROAD	SUFFIELD	CT	COLIN & ANN VALLANCE
234	3035 PHELPS ROAD	SUFFIELD	CT	GREGORY & IBITORO OSAKWE
235	MOUNTAIN ROAD	SUFFIELD	CT	SUFFIELD LAND CONSERVANCY INC
236	PHELPS ROAD	SUFFIELD	CT	RUTH A OLTSCHE
237	PHELPS ROAD	SUFFIELD	CT	RUTH A OLTSCHE
238	2935 PHELPS ROAD	SUFFIELD	CT	RUTH A OLTSCHE
244	3030 PHELPS ROAD	SUFFIELD	CT	KIMBERLY D MURZYN
245	3020 PHELPS ROAD	SUFFIELD	CT	CHRISTOPHER J & VANITA R SMITH
246	3010 PHELPS ROAD	SUFFIELD	CT	SUZANNE NIEMIEC & JOHN P LODOLA
247	PHELPS ROAD	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY
248	2910 PHELPS ROAD	SUFFIELD	CT	JOHN D CORALLO
250	PHELPS ROAD	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY
251	2900 PHELPS ROAD	SUFFIELD	CT	SUFFIELD SPORTSMAN ASSOCIATION C/O FRANK J DAVIS
252	2609 MOUNTAIN ROAD	SUFFIELD	CT	SHAWN S SORROW
260	2715 MOUNTAIN ROAD	SUFFIELD	CT	TOWN OF SUFFIELD TOWN HALL



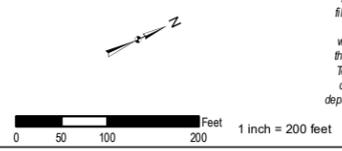
Map Sheet 07
Map Sheet 08

Map Sheet 08
Map Sheet 09



Legend	
●	Proposed Structure
●	Existing Structure
●	Existing Structure to be Removed
 	Existing Right-of-Way (ROW)
	Overhead Eversource Line
	5' Contour Line
 	Gate
●	Culvert
	Existing Access
	Proposed Access
	Proposed Alternate Access
 	Stone Work Pad
 	Temporary Construction Matting
	Delineated Intermittent Watercourse
	Delineated Perennial Watercourse
	Delineated Wetland Boundary Outline
	Field Delineated Wetland
	Open Water
 	Confirmed Vernal Pool Extent
 	100' Vernal Pool Envelope
 	CT Natural Diversity Database Area (June 2020)
 	FEMA 100-Year Flood Zone
 	500-Year Flood Zone
 	Floodway
 	Eversource Owned Property
 	State-Owned Property
 	Parcel Boundary
	Trail
	Railroad
	Municipal Boundary
	Map Sheet Matchline

Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.



EVERSOURCE ENERGY					
1768 Line Lattice Tower Replacement					
Suffield, CT					
Map Sheet 08 of 13					
August, 2020					
NO.	DATE	REVISIONS	BY	CHK	APP



MAPSHEET 09 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3223 to 3227

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Residential
- Undeveloped, forest
- Natural Diversity Database Area
- Metacomet Trail
- Suffield Landfill and Transfer Station

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Suffield Landfill and Transfer Station adjacent to structure 3224
- Metacomet Trail at structure 3225
- Eversource owned property from structure 3223 to east of 3225
- Natural Diversity Database Area from structure 3225 through 3227

Water Resources

- Wetlands – W15, W16
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – S9
- Vernal Pools – None

Wetland and Watercourse Crossings

- None

Right-of-Way Vegetation

- Scrub-shrub
- Forest

Access

- Structure 3223 to 3224: proposed and existing access from Phelps Road and Mountain Road
- Structure 3225 to 3227: existing access from Mountain Road and North Stone Street

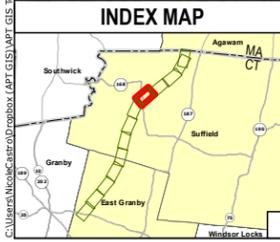
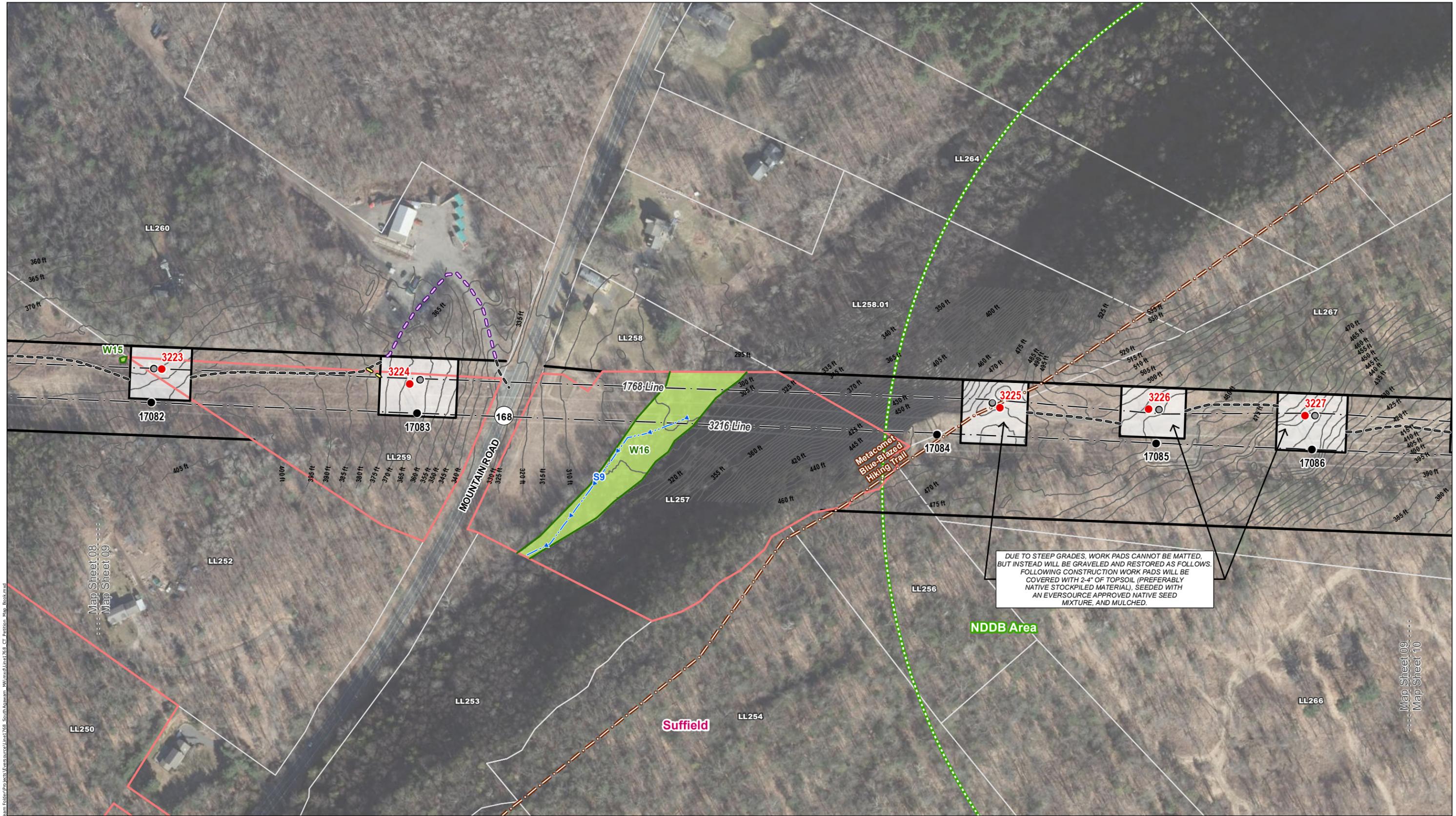
Road Crossings

- Mountain Road (State Route 168)

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

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
250	PHELPS ROAD	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY
252	2609 MOUNTAIN ROAD	SUFFIELD	CT	SHAWN S SORROW
253	MOUNTAIN ROAD	SUFFIELD	CT	SUFFIELD LAND CONSERVANCY INC
254	635 N STONE STREET	SUFFIELD	CT	MICHAEL A BOOK & BARBARA F BIEWER
256	N STONE STREET	SUFFIELD	CT	SUFFIELD LAND CONSERVANCY, INC.
257	MOUNTAIN ROAD	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY
258	2720 MOUNTAIN ROAD	SUFFIELD	CT	HENRY M & SUSAN L WILSON
258.01	2750 MOUNTAIN ROAD	SUFFIELD	CT	STEVEN W & KIMBERLY A CONGDEN
259	MOUNTAIN ROAD	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY
260	2715 MOUNTAIN ROAD	SUFFIELD	CT	TOWN OF SUFFIELD TOWN HALL
264	2800 MOUNTAIN ROAD	SUFFIELD	CT	ANN H MICKELSON
266	749 N STONE STREET	SUFFIELD	CT	MICHAEL D BERRY
267	N STONE STREET	SUFFIELD	CT	CHESTER C MCGURK



Legend	
●	Proposed Structure
●	Existing Structure
●	Existing Structure to be Removed
 	Existing Right-of-Way (ROW)
	Overhead Eversource Line
	5' Contour Line
 	Gate
 	Culvert
	Existing Access
	Proposed Access
	Proposed Alternate Access
 	Stone Work Pad
 	Temporary Construction Matting
	Delineated Intermittent Watercourse
	Delineated Perennial Watercourse
	Delineated Wetland Boundary Outline
	Field Delineated Wetland
	Open Water
 	Confirmed Vernal Pool Extent
 	100' Vernal Pool Envelope
 	CT Natural Diversity Database Area (June 2020)
 	FEMA 100-Year Flood Zone
 	500-Year Flood Zone
 	Floodway
 	Eversource Owned Property
 	State-Owned Property
 	Parcel Boundary
	Trail
	Railroad
	Municipal Boundary
	Map Sheet Matchline

Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 Imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE
ENERGY

1768 Line Lattice Tower Replacement

Suffield, CT
 Map Sheet 09 of 13
 August, 2020

C:\Users\michaelcastro\Documents\PT\GIS\Map\1768 Line Lattice Tower Replacement\1768 Line Lattice Tower Replacement.mxd

MAPSHEET 10 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3228 to 3233

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Residential
- Undeveloped, forest
- Natural Diversity Database Area

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Eversource owned property from structure 3232 through 3233
- Natural Diversity Database Area from structure 3228 through 3230

Water Resources

- Wetlands – W17, W18
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – S10, S11
- Vernal Pools – VP6, VP7
- 500-year Flood Zone

Wetland and Watercourse Crossings

- W17, S10, and S11 – construction mats for access and work pads
- W18 – construction mats for access

Right-of-Way Vegetation

- Scrub-shrub
- Forest

Access

- Structure 3228 to 3233: existing access from Mountain Road and North Stone Street

Road Crossings

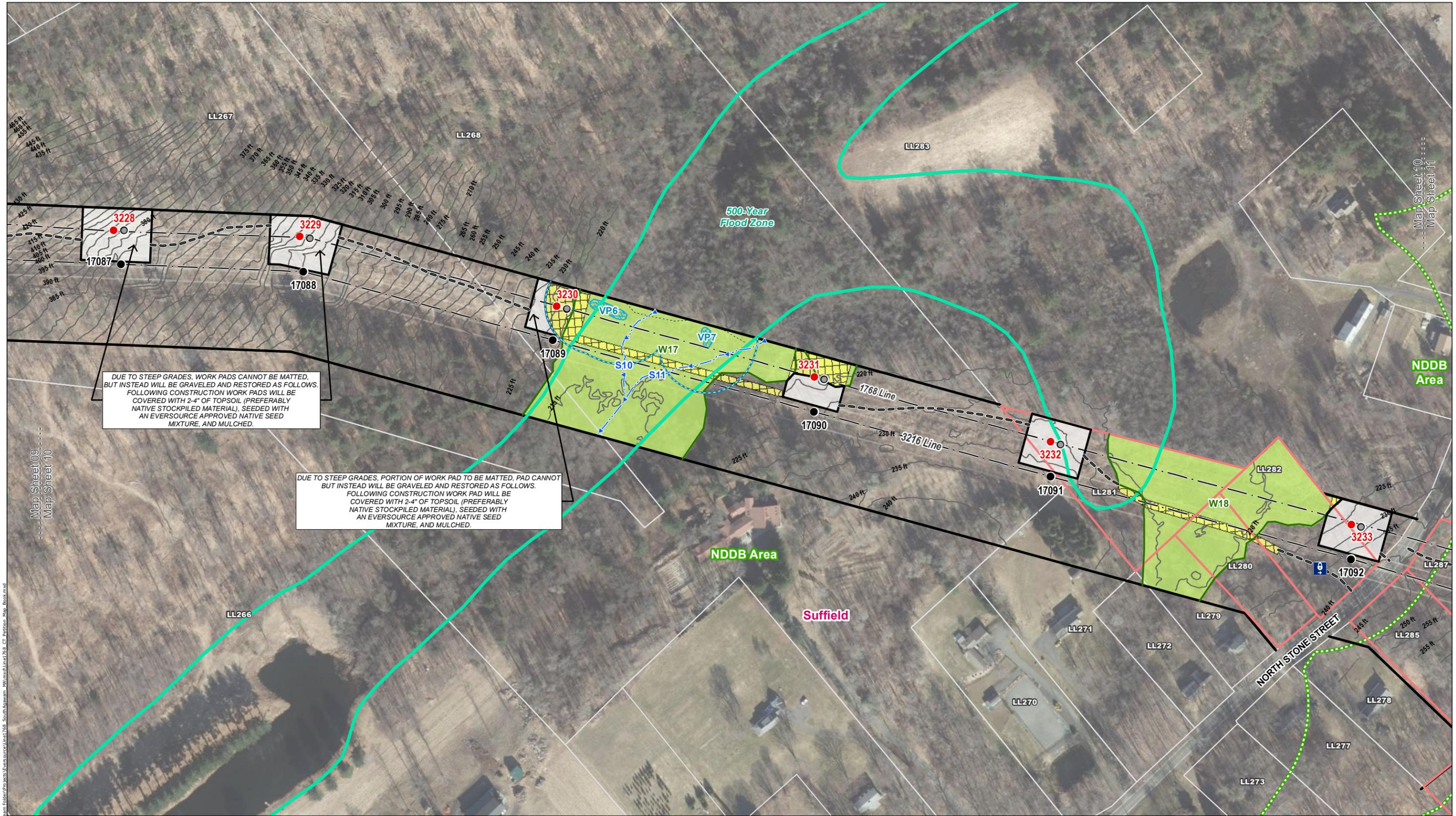
- North Stone Street

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

Clearing

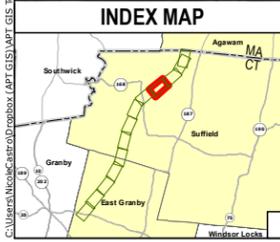
- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
266	749 N STONE STREET	SUFFIELD	CT	MICHAEL D BERRY
267	N STONE STREET	SUFFIELD	CT	CHESTER C MCGURK
268	851 N STONE STREET	SUFFIELD	CT	CHESTER C MCGURK
270	873 NORTH STONE STREET	SUFFIELD	CT	ALICE A ARDEN
271	875 N STONE STREET	SUFFIELD	CT	JAMES E & HELEN L HALER, JR
272	903 N STONE STREET	SUFFIELD	CT	GEOFFREY P ABARE
273	892 NORTH STONE STREE	SUFFIELD	CT	RUTH R ANASTASIA
277	920 N STONE STREET	SUFFIELD	CT	ALLYSON M SZOKA
278	930 N STONE STREET	SUFFIELD	CT	CARL M & DONNA L TRIPPODO
279	915 N STONE STREET	SUFFIELD	CT	AARON P ZANCHI
280	N STONE STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
281	N STONE STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
282	N STONE STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
283	1027 N STONE STREET	SUFFIELD	CT	GARY J & JANE R BERESFORD
285	N STONE STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
287	N STONE STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)

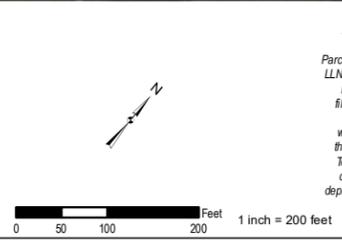


DUE TO STEEP GRADES, WORK PADS CANNOT BE MATTED, BUT INSTEAD WILL BE GRAVELED AND RESTORED AS FOLLOWS. FOLLOWING CONSTRUCTION WORK PADS WILL BE COVERED WITH 2-4" OF TOPSOIL (PREFERABLY NATIVE STOCKPILED MATERIAL), SEEDED WITH AN EVERSOURCE APPROVED NATIVE SEED MIXTURE, AND MULCHED.

DUE TO STEEP GRADES, PORTION OF WORK PAD TO BE MATTED, PAD CANNOT BE MATTED, BUT INSTEAD WILL BE GRAVELED AND RESTORED AS FOLLOWS. FOLLOWING CONSTRUCTION WORK PAD WILL BE COVERED WITH 2-4" OF TOPSOIL (PREFERABLY NATIVE STOCKPILED MATERIAL), SEEDED WITH AN EVERSOURCE APPROVED NATIVE SEED MIXTURE, AND MULCHED.



- Legend**
- Proposed Structure
 - Existing Structure
 - Existing Structure to be Removed
 - Existing Right-of-Way (ROW)
 - - - Overhead Eversource Line
 - - - 5' Contour Line
 - Ⓜ Gate
 - Culvert
 - Existing Access
 - Proposed Access
 - Proposed Alternate Access
 - Stone Work Pad
 - Temporary Construction Matting
 - Delineated Intermittent Watercourse
 - Delineated Perennial Watercourse
 - Delineated Wetland Boundary Outline
 - Field Delineated Wetland
 - Open Water
 - Confirmed Vernal Pool Extent
 - 100' Vernal Pool Envelope
 - CT Natural Diversity Database Area (June 2020)
 - FEMA 100-Year Flood Zone
 - 500-Year Flood Zone
 - Floodway
 - Eversource Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Trail
 - Railroad
 - Municipal Boundary
 - Map Sheet Matchline



Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 Imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

1768 Line Lattice Tower Replacement

Suffield, CT
 Map Sheet 10 of 13
 August, 2020

ALL-POINTS TECHNOLOGY CORPORATION

MAPSHEET 11 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3234 to 3239

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Residential
- Undeveloped, forest
- Agricultural land
- Natural Diversity Database Area

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Eversource owned property from structure 3234 to 3238
- Agricultural land from Colson Street to structure 3239

Water Resources

- Wetlands – W19, W20
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – None
- Vernal Pools – None

Wetland and Watercourse Crossings

- W19 – construction mats for access and work pads
- W20 – construction mats for access

Right-of-Way Vegetation

- Scrub-shrub
- Forest
- Agricultural

Access

- Structure 3234 to 3238: existing and proposed access from North Stone Street and Colson Street
- Structure 3239: proposed access from Colson Street and Ratley Road

Road Crossings

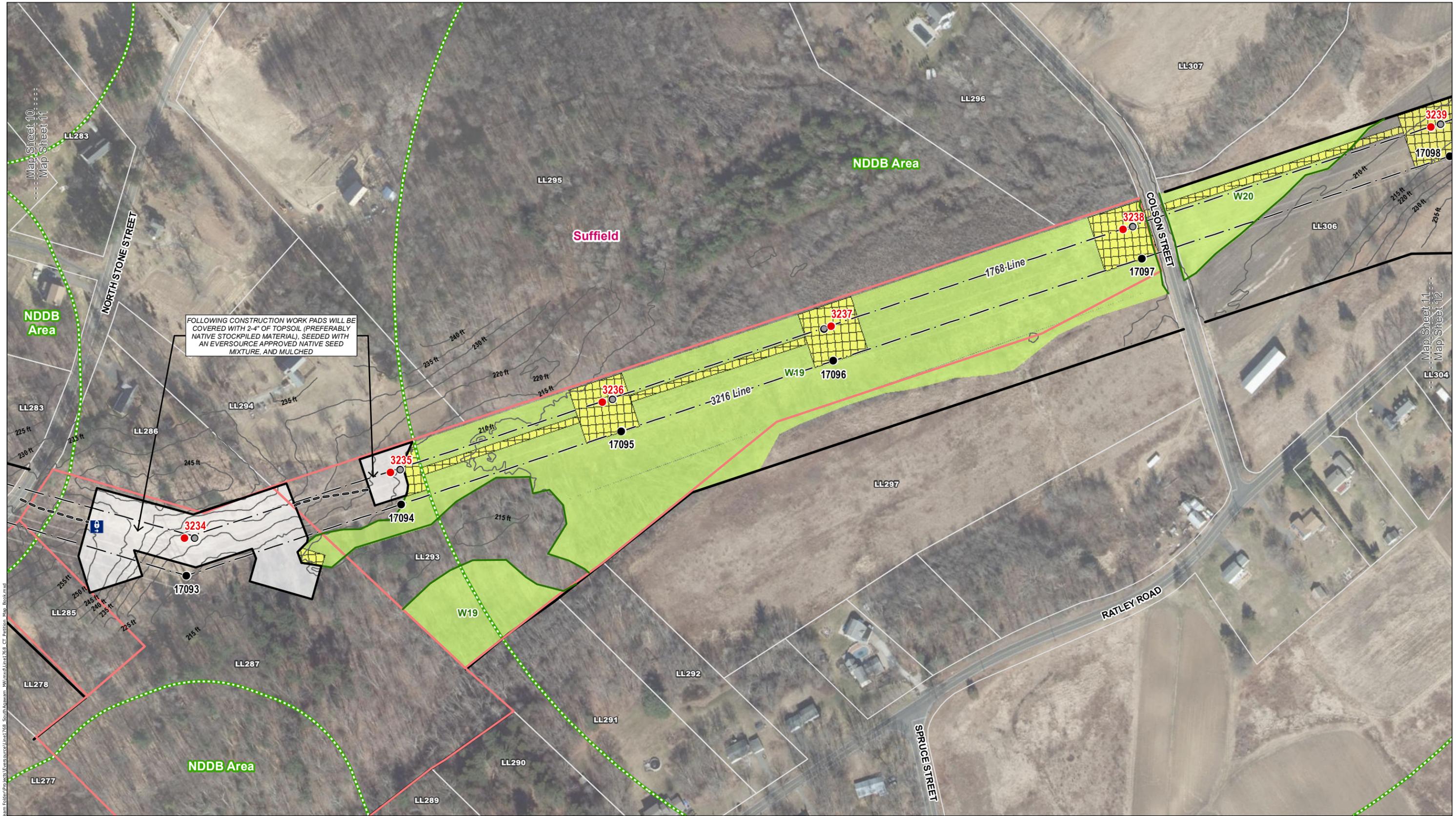
- Colson Street

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

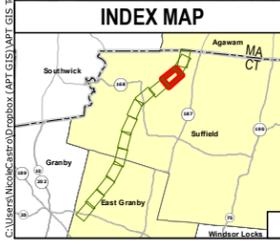
Clearing

- ±200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
277	920 N STONE STREET	SUFFIELD	CT	ALLYSON M SZOKA
278	930 N STONE STREET	SUFFIELD	CT	CARL M & DONNA L TRIPPEDO
283	1027 N STONE STREET	SUFFIELD	CT	GARY J & JANE R BERESFORD
285	N STONE STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
286	1010 N STONE STREET	SUFFIELD	CT	MELANIE E GLISSMAN & MICHAEL R HOPPI
287	N STONE STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
289	1013 RATLEY ROAD	SUFFIELD	CT	JOHN C & MARCIA R MILLARD
290	1039 RATLEY ROAD	SUFFIELD	CT	NICHOLAS H SCHON & GREGORY WILHELM
291	1073 RATLEY ROAD	SUFFIELD	CT	STEPHEN M & ELIZABETH M GILLER
292	1089 RATLEY ROAD	SUFFIELD	CT	HENRY FARHAD & JENNIFER & LYNN WITTKER
293	COLSON STREET	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
294	1014 N STONE STREET	SUFFIELD	CT	STEPHEN D & HELEN C THRESHER
295	1050 N STONE STREET	SUFFIELD	CT	SASA SKERLA & SIWY BEATA
296	1242 N STONE STREET	SUFFIELD	CT	NANCY J & JUSTIN DRENZEK
297	COLSON STREET	SUFFIELD	CT	CEDAR BROOK FARM OF SUFFIELD, LLC
304	1250 RATLEY ROAD	SUFFIELD	CT	PETER T MARKOV
306	RATLEY ROAD	SUFFIELD	CT	CEDAR BROOK FARM OF SUFFIELD, LLC
307	COLSON STREET	SUFFIELD	CT	JOSEPH J WYSOCKI



FOLLOWING CONSTRUCTION WORK PADS WILL BE COVERED WITH 2-4" OF TOPSOIL (PREFERABLY NATIVE STOCKPILED MATERIAL), SEEDED WITH AN EVERSOURCE APPROVED NATIVE SEED MIXTURE, AND MULCHED



Legend	
● (Red)	Proposed Structure
● (Black)	Existing Structure
○ (Black)	Existing Structure to be Removed
— (Black)	Existing Right-of-Way (ROW)
— (Dashed)	Overhead Eversource Line
— (Dotted)	5' Contour Line
□ (Blue)	Gate
○ (Pink)	Culvert
— (Dashed)	Existing Access
— (Dotted)	Proposed Access
— (Dashed)	Proposed Alternate Access
□ (Black)	Stone Work Pad
□ (Yellow)	Temporary Construction Matting
— (Blue)	Delineated Intermittent Watercourse
— (Blue)	Delineated Perennial Watercourse
— (Green)	Delineated Wetland Boundary Outline
— (Green)	Field Delineated Wetland
— (Blue)	Open Water
— (Blue)	Confirmed Vernal Pool Extent
— (Blue)	100' Vernal Pool Envelope
— (Green)	CT Natural Diversity Database Area (June 2020)
— (Blue)	FEMA 100-Year Flood Zone
— (Blue)	500-Year Flood Zone
— (Blue)	Floodway
— (Red)	Eversource Owned Property
— (Red)	State-Owned Property
— (Black)	Parcel Boundary
— (Dotted)	Trail
— (Black)	Railroad
— (Red)	Municipal Boundary
— (Dotted)	Map Sheet Matchline

Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 Imagery.
 Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323-4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design.
 Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.



EVERSOURCE ENERGY					
1768 Line Lattice Tower Replacement					
Suffield, CT					
Map Sheet 11 of 13					
August, 2020					
NO.	DATE	REVISIONS	BY	CHK	APP



MAPSHEET 12 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3239 to 3245

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Residential
- Undeveloped, forest
- Agricultural land

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Agricultural land at structure 3239 and 3245
- Residential adjacent to structures 3240 and 3241

Water Resources

- Wetlands – W21, W22
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – None
- Vernal Pools – VP8

Wetland and Watercourse Crossings

- W21 – construction mats for work pads

Right-of-Way Vegetation

- Scrub-shrub
- Forest
- Agricultural
- House/yard

Access

- Structure 3240: proposed access from Ratley Road
- Structure 3241 to 3245: existing access from Ratley Road

Road Crossings

- Ratley Road

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

- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
304	1250 RATLEY ROAD	SUFFIELD	CT	PETER T MARKOV
305	1260 RATLEY ROAD	SUFFIELD	CT	DAVID & EVELYN P COLSON
306	RATLEY ROAD	SUFFIELD	CT	CEDAR BROOK FARM OF SUFFIELD, LLC
307	COLSON STREET	SUFFIELD	CT	JOSEPH J WYSOCKI
309	RATLEY ROAD	SUFFIELD	CT	ROBERT O LAVIANA
310	RATLEY ROAD	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
311	1382 RATLEY ROAD	SUFFIELD	CT	JOHN MROSZ
312	1359 RATLEY ROAD	SUFFIELD	CT	WALTER E GOGULSKI
314	1369 RATLEY ROAD	SUFFIELD	CT	MELISSA M THOMPSON
315	1389 RATLEY ROAD	SUFFIELD	CT	HELEN A FALKOWSKI
316	1390 RATLEY ROAD	SUFFIELD	CT	THERESA J ARCISZEWSKI
317	1461 N GRAND STREET	SUFFIELD	CT	ROBERT O LAVIANA
318	RATLEY ROAD	SUFFIELD	CT	CEDAR BROOK FARM OF SUFFIELD, LLC
327	1628 RATLEY ROAD	SUFFIELD	CT	ESTATE OF DIANE J & WILLIAM KURAS, JR

MAPSHEET 13 of 13

1768 Line Lattice Tower Replacement

Existing Structures 3246 to 3247

Town of Suffield, Connecticut

AREA DESCRIPTION

Existing Land Use & Resource Areas

- Eversource owned property
- Residential
- Undeveloped, forest
- Agricultural land

RIGHT-OF-WAY DESCRIPTION

Right-of-Way Land Use & Resource Areas

- Maintained ROW
- Agricultural land at structure 3246

Water Resources

- Wetlands – W22
- Wetland Cover Types – PFO, PSS, PEM
- Watercourses – S12
- Vernal Pools – None
- 100-year Flood Zone associated with watercourse S12

Wetland and Watercourse Crossings

- W21 and S12 – construction mats for access and work pads

Right-of-Way Vegetation

- Scrub-shrub
- Forest
- Agricultural

Access

- Structure 3246 to 3247: existing and proposed access from Ratley Road

Road Crossings

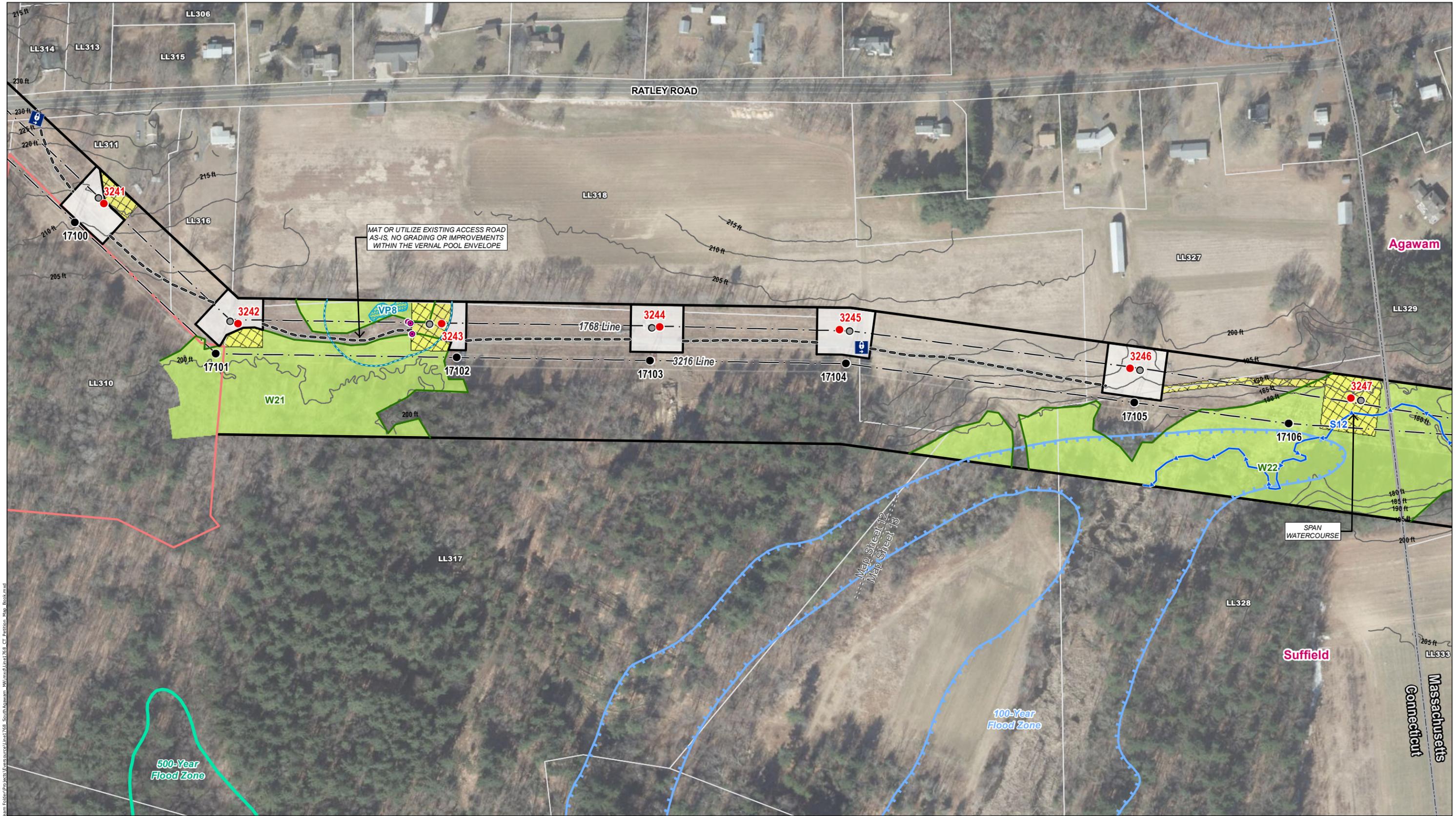
- None

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

Clearing

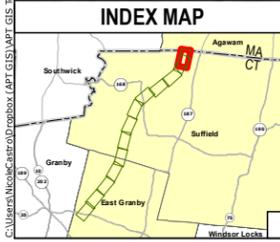
- ± 200' / No proposed clearing

<u>LLN</u>	<u>Parcel Address</u>	<u>City</u>	<u>State</u>	<u>Owner Name</u>
304	1250 RATLEY ROAD	SUFFIELD	CT	PETER T MARKOV
305	1260 RATLEY ROAD	SUFFIELD	CT	DAVID & EVELYN P COLSON
306	RATLEY ROAD	SUFFIELD	CT	CEDAR BROOK FARM OF SUFFIELD, LLC
307	COLSON STREET	SUFFIELD	CT	JOSEPH J WYSOCKI
309	RATLEY ROAD	SUFFIELD	CT	ROBERT O LAVIANA
310	RATLEY ROAD	SUFFIELD	CT	HARTFORD ELECTRIC LIGHT COMPANY (EVERSOURCE)
311	1382 RATLEY ROAD	SUFFIELD	CT	JOHN MROSZ
312	1359 RATLEY ROAD	SUFFIELD	CT	WALTER E GOGULSKI
314	1369 RATLEY ROAD	SUFFIELD	CT	MELISSA M THOMPSON
315	1389 RATLEY ROAD	SUFFIELD	CT	HELEN A FALKOWSKI
316	1390 RATLEY ROAD	SUFFIELD	CT	THERESA J ARCISZEWSKI
317	1461 N GRAND STREET	SUFFIELD	CT	ROBERT O LAVIANA
318	RATLEY ROAD	SUFFIELD	CT	CEDAR BROOK FARM OF SUFFIELD, LLC
327	1628 RATLEY ROAD	SUFFIELD	CT	ESTATE OF DIANE J & WILLIAM KURAS, JR
328	RATLEY ROAD	SUFFIELD	CT	ABBIE S PERLSWEIG & CARL REED
329	847 SOUTH WEST STREET	AGAWAM	MA	LINDA D LEWIS & GARY B ARNOLD
333	BARRY STREET	AGAWAM	MA	VINCENT LAND HOLDINGS, LLC

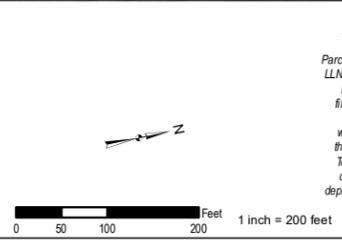


MAT OR UTILIZE EXISTING ACCESS ROAD AS-IS. NO GRADING OR IMPROVEMENTS WITHIN THE VERNAL POOL ENVELOPE

Map Sheet 12
Map Sheet 13



- Legend**
- Proposed Structure
 - Existing Structure
 - Existing Structure to be Removed
 - Existing Right-of-Way (ROW)
 - Overhead Eversource Line
 - 5' Contour Line
 - Ⓜ Gate
 - Culvert
 - Existing Access
 - Proposed Access
 - Proposed Alternate Access
 - Stone Work Pad
 - Temporary Construction Matting
 - Delineated Intermittent Watercourse
 - Delineated Perennial Watercourse
 - Delineated Wetland Boundary Outline
 - Field Delineated Wetland
 - Open Water
 - Confirmed Vernal Pool Extent
 - 100' Vernal Pool Envelope
 - CT Natural Diversity Database Area (June 2020)
 - FEMA 100-Year Flood Zone
 - 500-Year Flood Zone
 - Floodway
 - Eversource Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Trail
 - Railroad
 - Municipal Boundary
 - Map Sheet Matchline



Map Notes:
 Base Map Source: ESRI Aerial Imagery; CT ECO 2019 Imagery, Environmental Mapping for Regulatory Permitting.
 Parcel and ROW boundaries are approximate (NOT survey). Parcels and LLNs provided by Comerstone. Wetlands delineated by APT, Oct. 2019.
 Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

NO.	DATE	REVISIONS	BY	CHK	APP	APP

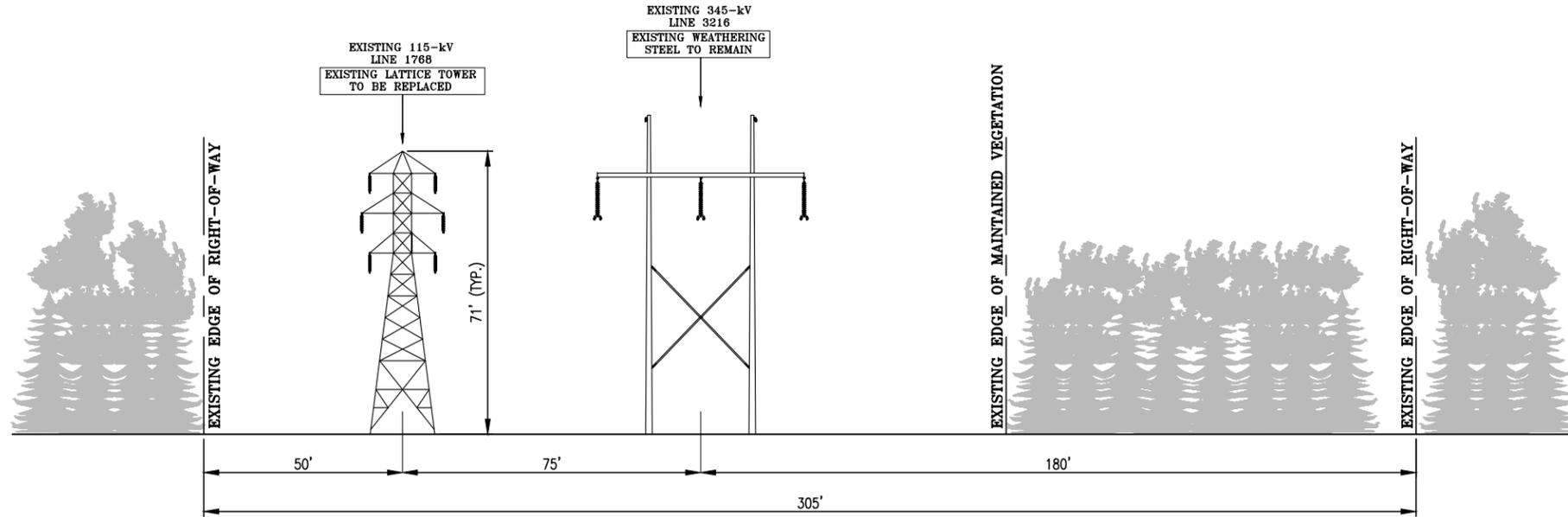
EVERSOURCE ENERGY

1768 Line Lattice Tower Replacement

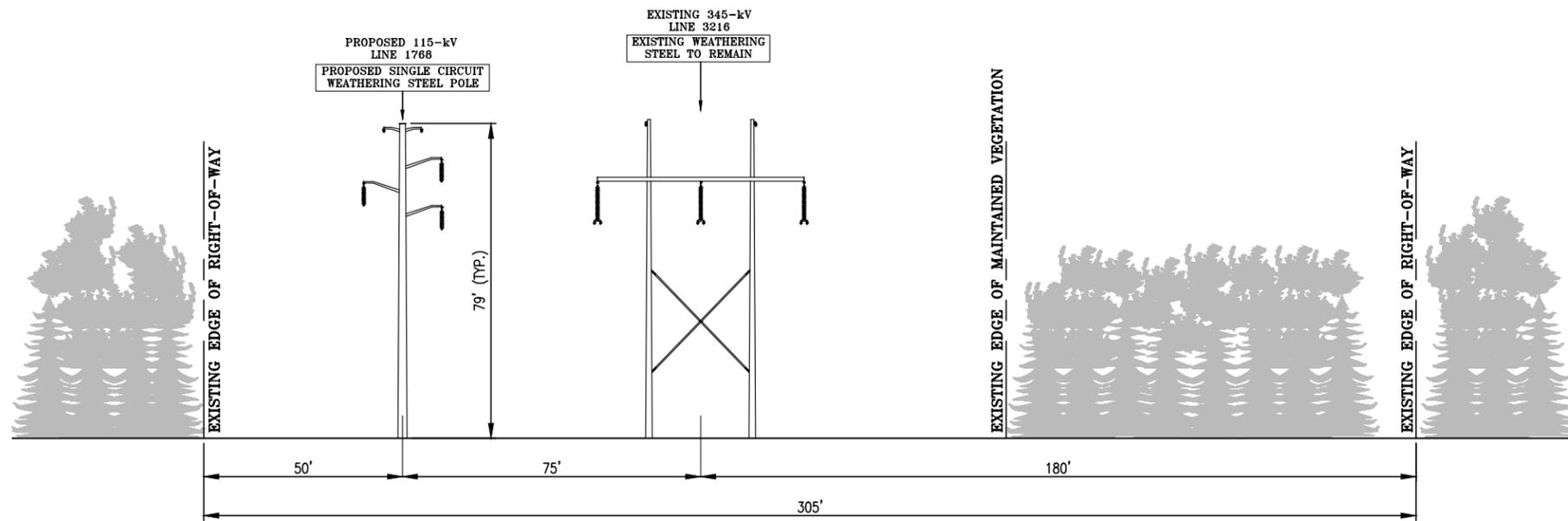
Suffield, CT
 Map Sheet 13 of 13
 August, 2020

C:\Users\michaelcastro\p\proj\GIS\Team\holder\proj\1768_Suffield\Map\1768_CT_Permitting_Map_Book.mxd

Attachment B: Line 1768 – Right-of-Way Cross Section



**EXISTING R.O.W.
SINGLE CIRCUIT STEEL LATTICE
STRUCTURE 3180 TO STRUCTURE 3190
LOOKING FROM EAST GRANBY JUNCTION
TO SOUTH AGAWAM SUBSTATION**

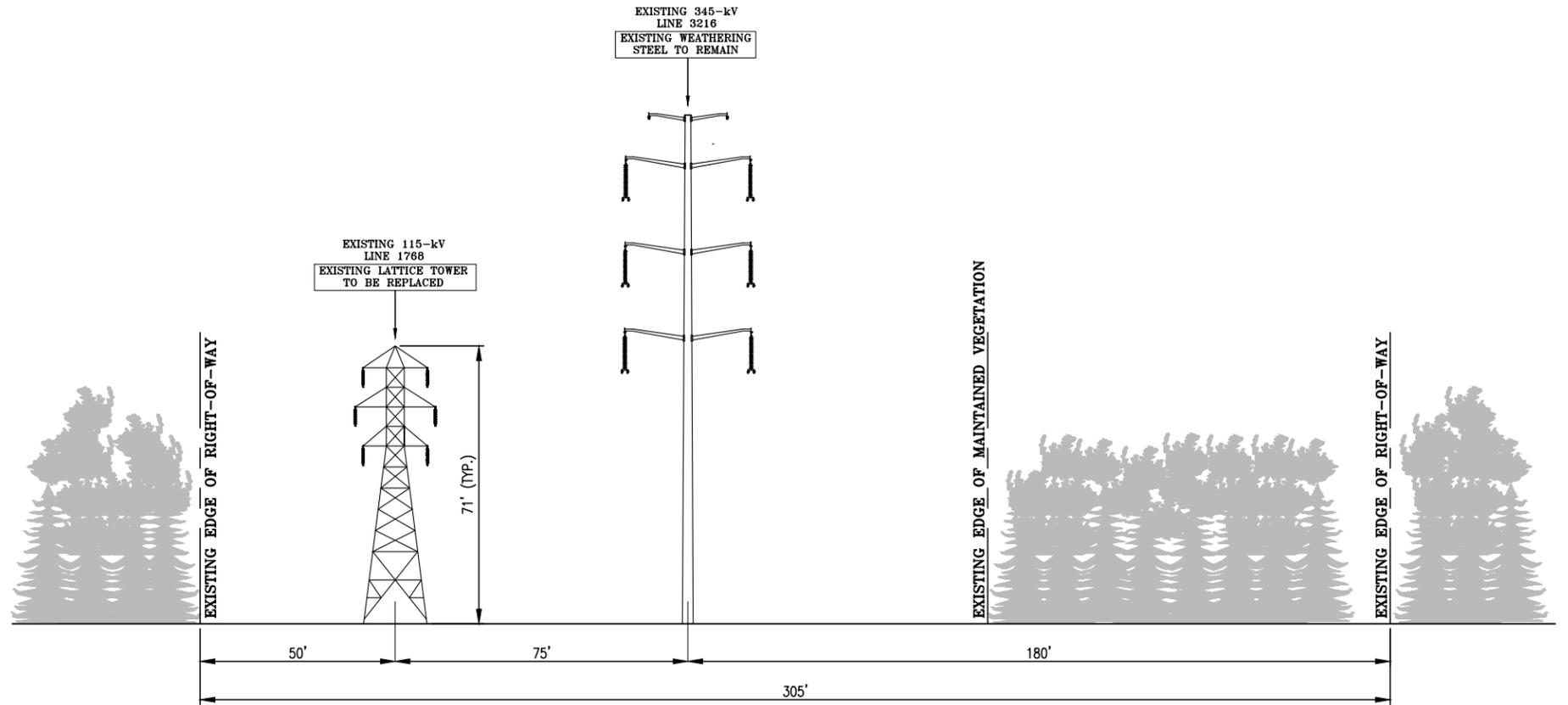


**PROPOSED R.O.W.
SINGLE CIRCUIT WEATHERING STEEL POLE
STRUCTURE 3180 TO STRUCTURE 3190
LOOKING FROM EAST GRANBY JUNCTION TO
SOUTH AGAWAM SUBSTATION**

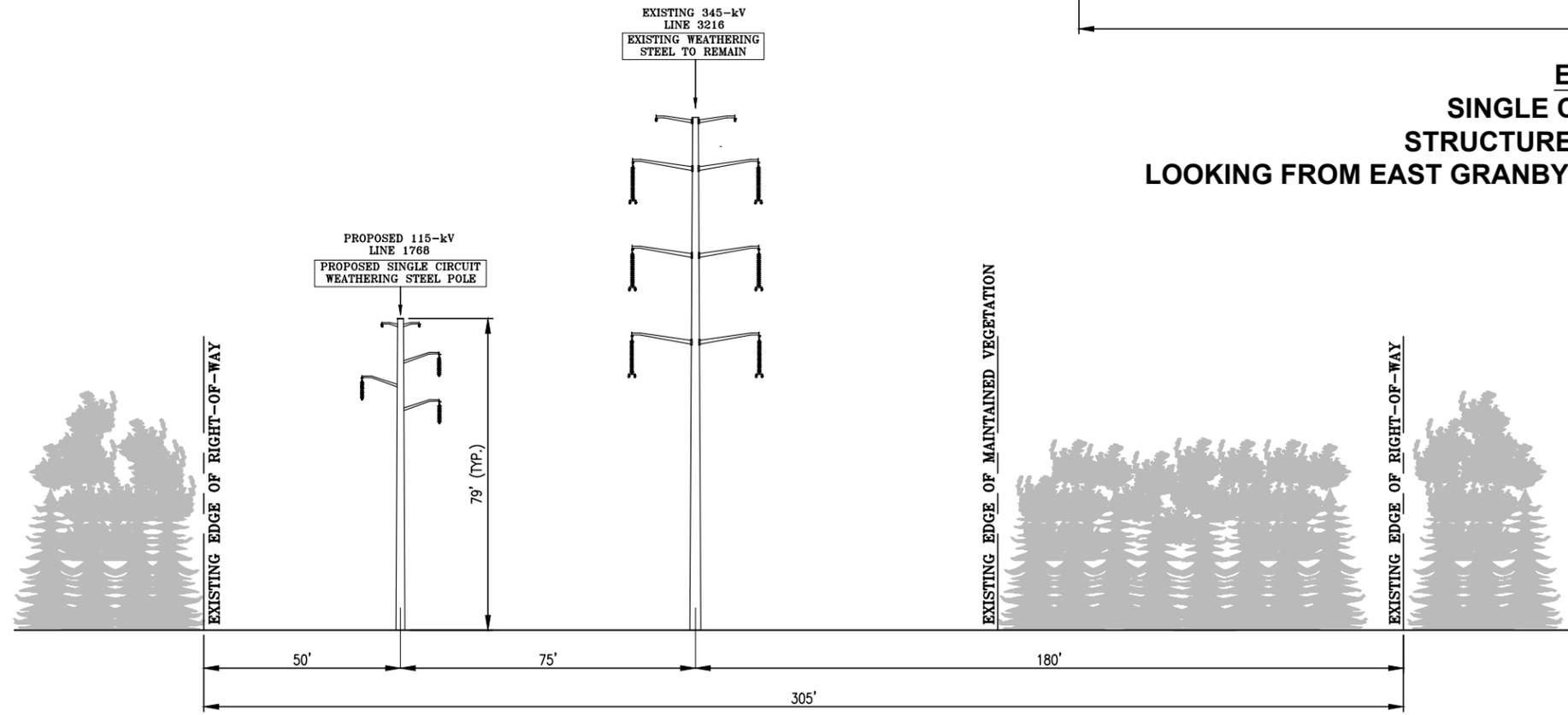
**EVERSOURCE
ENERGY**

TITLE EAST GRANBY JCT.-SOUTH AGAWAM S/S
115 KV TRANSMISSION LINE
RIGHT OF WAY CROSS SECTION
EAST GRANBY, CT

BY NJF	CHKD	APP	APP
DATE 5/21/2020	DATE	DATE	DATE
H-SCALE N.T.S.	SIZE B	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	1768-2020-XS-1



**EXISTING R.O.W.
SINGLE CIRCUIT STEEL LATTICE
STRUCTURE 3191 TO STRUCTURE 3201
LOOKING FROM EAST GRANBY JUNCTION TO SOUTH AGAWAM SUBSTATION**

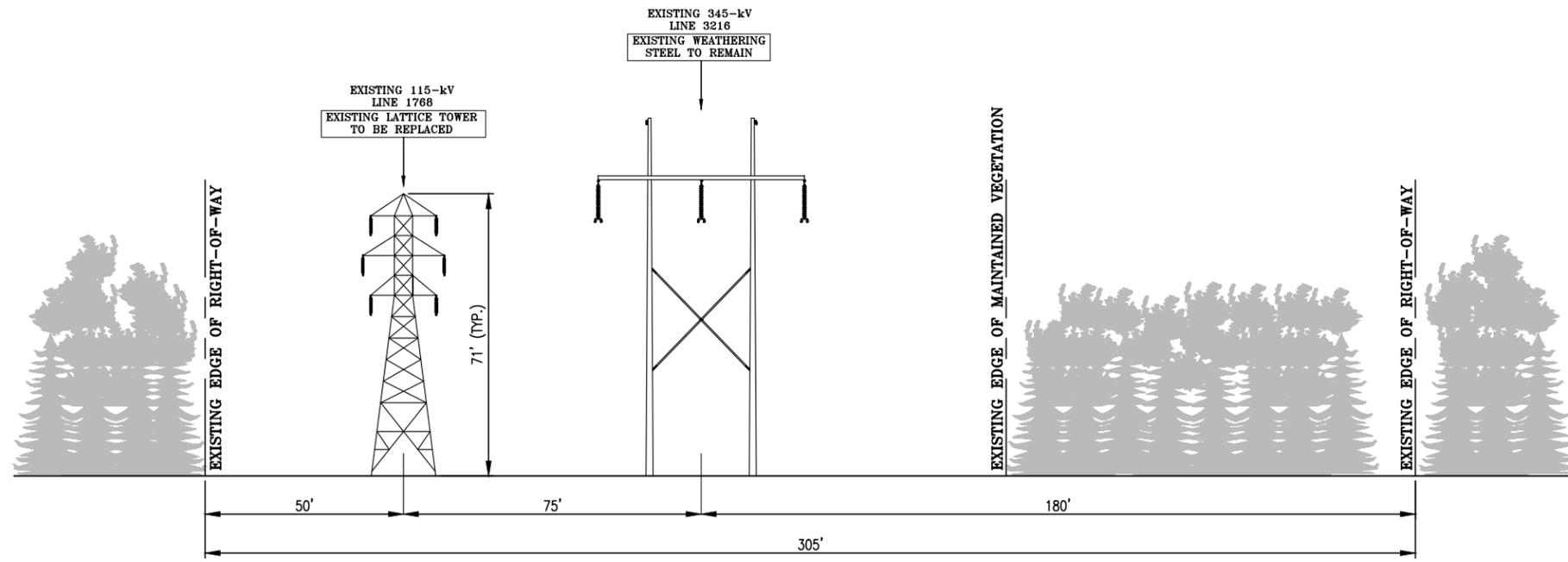


**PROPOSED R.O.W.
SINGLE CIRCUIT WEATHERING STEEL POLE
STRUCTURE 3191 TO STRUCTURE 3201
LOOKING FROM EAST GRANBY JUNCTION TO SOUTH AGAWAM SUBSTATION**

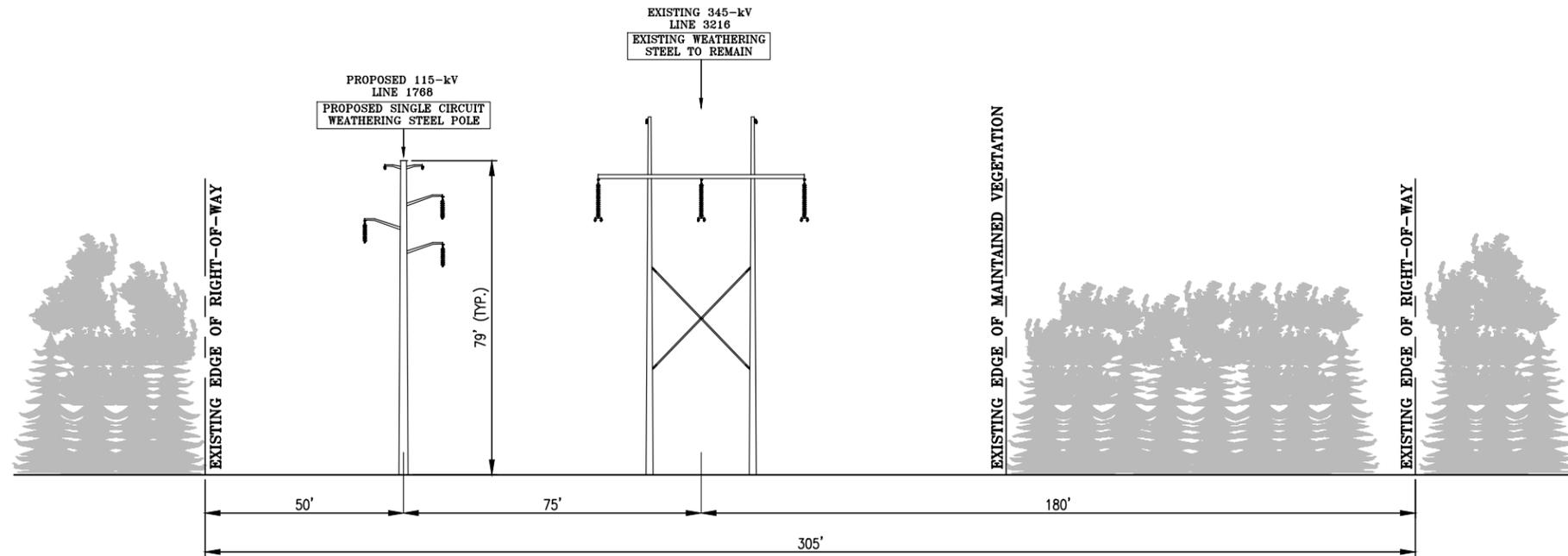
EVERSOURCE ENERGY

TITLE EAST GRANBY JCT.-SOUTH AGAWAM S/S
115 KV TRANSMISSION LINE
RIGHT OF WAY CROSS SECTION
EAST GRANBY, CT

BY NJF	CHKD	APP	APP
DATE 5/21/2020	DATE	DATE	DATE
H-SCALE N.T.S.	SIZE B	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	1768-2020-XS-2



**EXISTING R.O.W.
SINGLE CIRCUIT STEEL LATTICE
STRUCTURE 3202 TO STRUCTURE 3221
LOOKING FROM EAST GRANBY JUNCTION
TO SOUTH AGAWAM SUBSTATION**

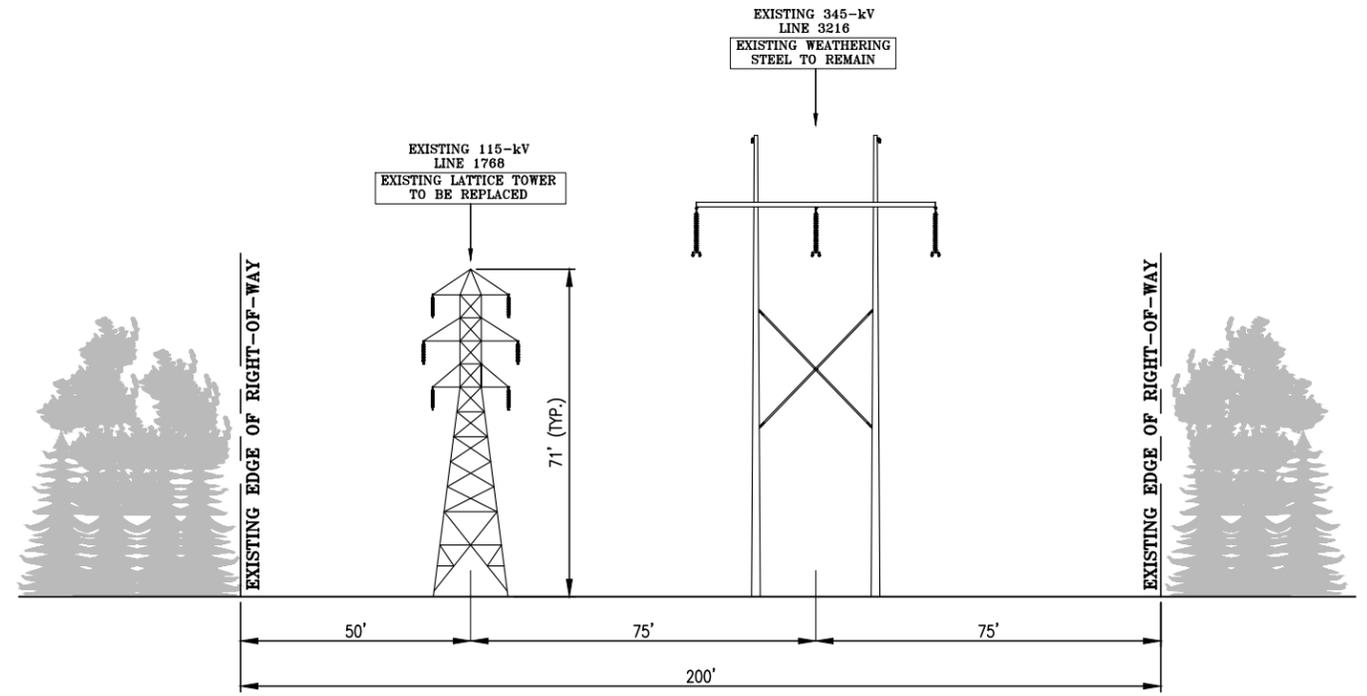


**PROPOSED R.O.W.
SINGLE CIRCUIT WEATHERING STEEL POLE
STRUCTURE 3202 TO STRUCTURE 3221
LOOKING FROM EAST GRANBY JUNCTION TO
SOUTH AGAWAM SUBSTATION**

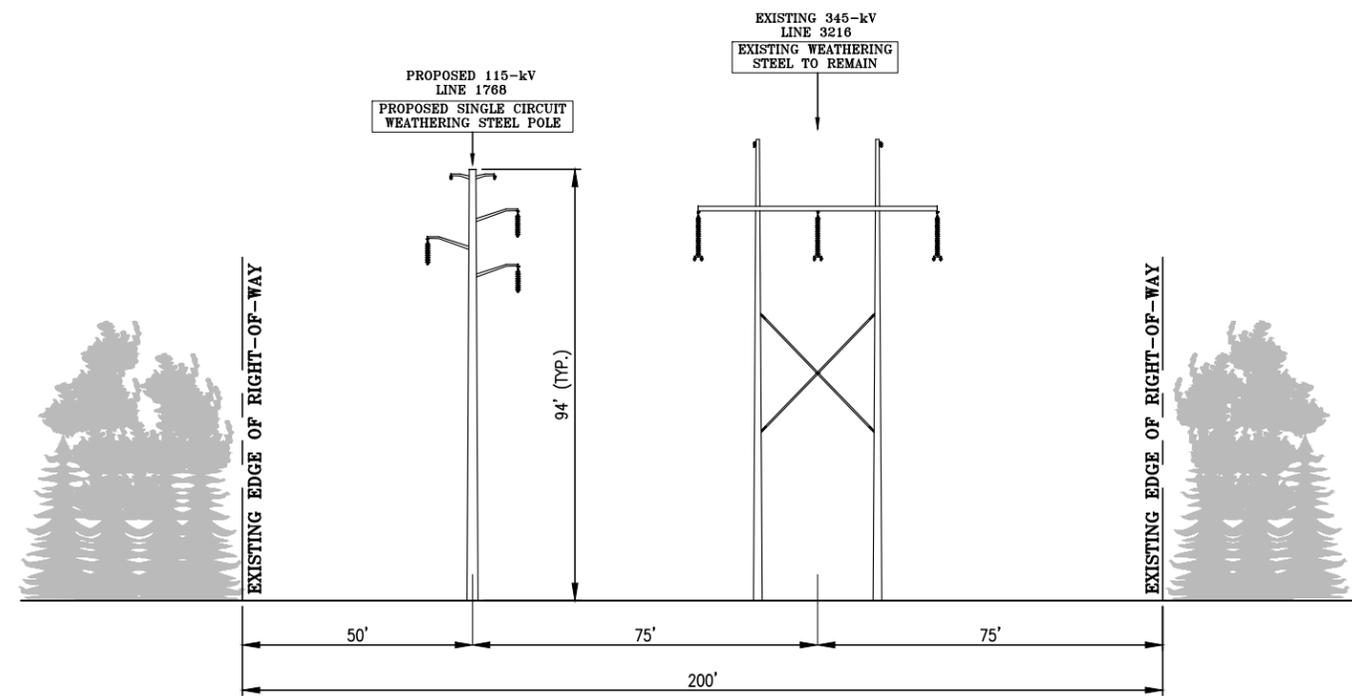
**EVERSOURCE
ENERGY**

TITLE EAST GRANBY JCT.-SOUTH AGAWAM S/S
115 KV TRANSMISSION LINE
RIGHT OF WAY CROSS SECTION
EAST GRANBY/SUFFIELD, CT

BY NJF	CHKD	APP	APP
DATE 5/21/2020	DATE	DATE	DATE
H-SCALE N.T.S.	SIZE B	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	1768-2020-XS-3



EXISTING R.O.W.
SINGLE CIRCUIT STEEL LATTICE
STRUCTURE 3222 TO STRUCTURE 3223
LOOKING FROM EAST GRANBY JUNCTION
TO SOUTH AGAWAM SUBSTATION

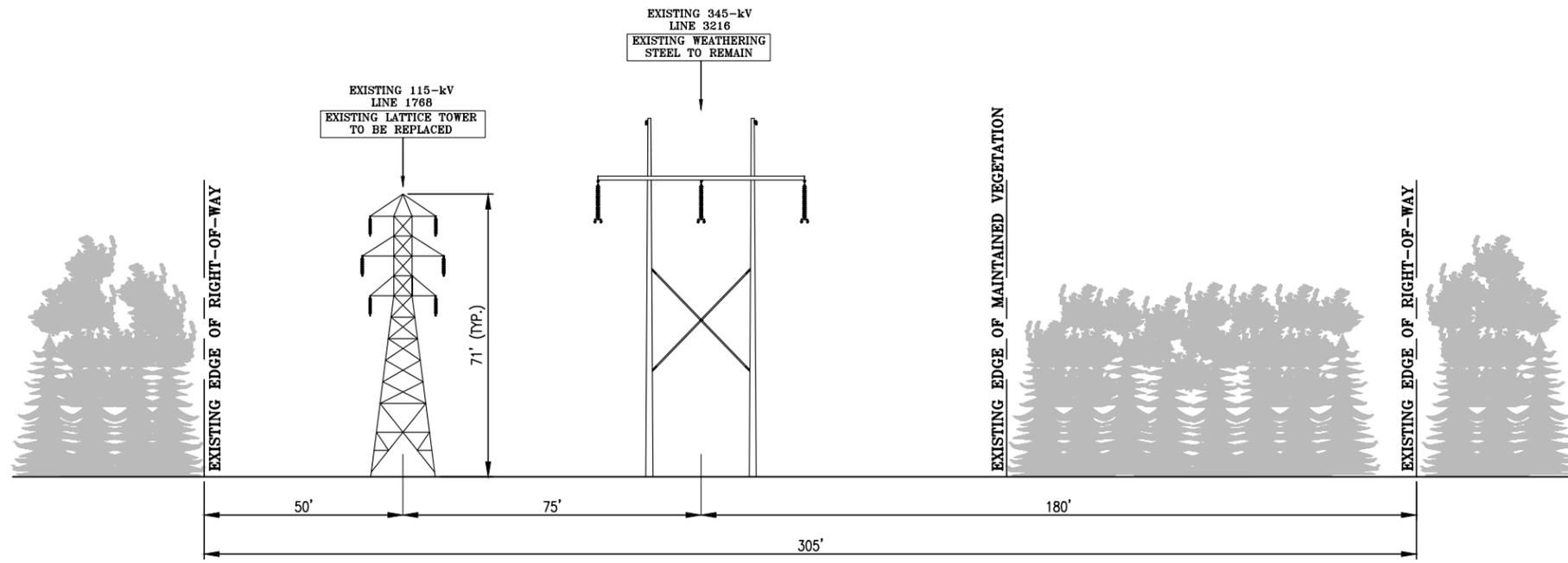


PROPOSED R.O.W.
SINGLE CIRCUIT WEATHERING STEEL POLE
STRUCTURE 3222 TO STRUCTURE 3223
LOOKING FROM EAST GRANBY JUNCTION
TO SOUTH AGAWAM SUBSTATION

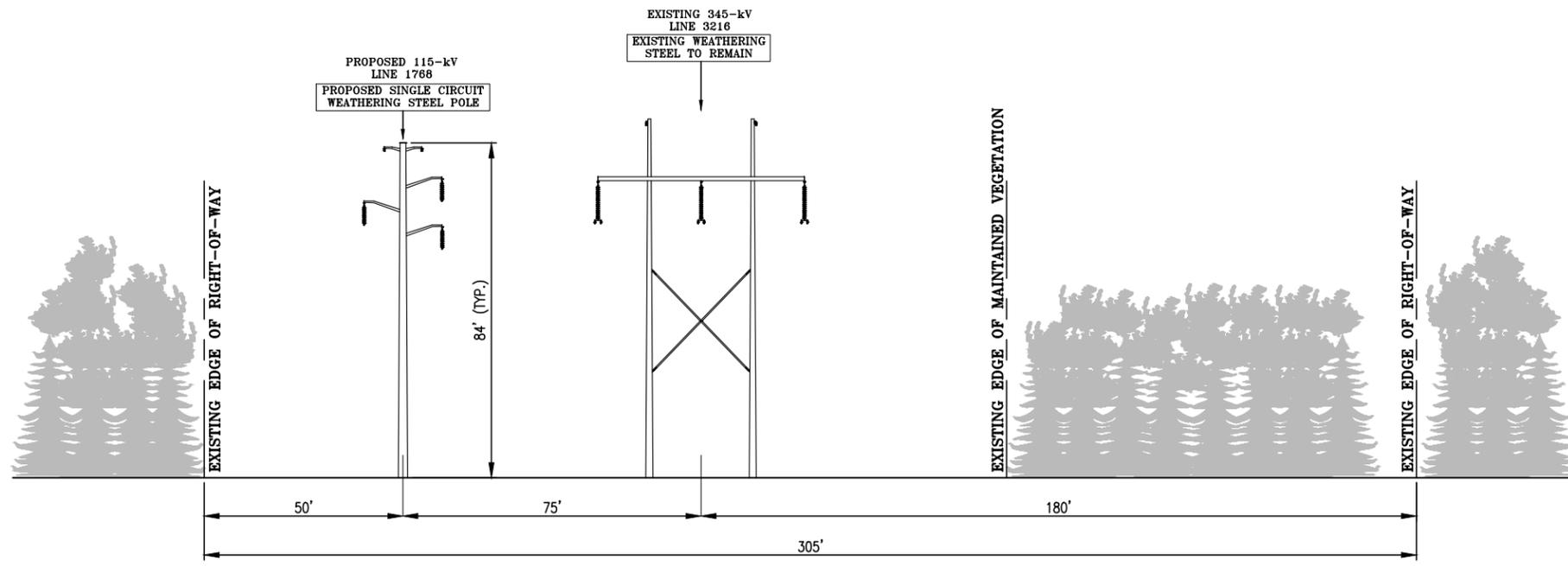
EVERSOURCE ENERGY

TITLE EAST GRANBY JCT.-SOUTH AGAWAM S/S
 115 KV TRANSMISSION LINE
 RIGHT OF WAY CROSS SECTION
 SUFFIELD, CT

BY NJF	CHKD	APP	APP
DATE 5/21/2020	DATE	DATE	DATE
H-SCALE N.T.S.	SIZE B	FIELD BOOK & PAGES	
V-SCALE N.T.S.	V.S.	R.E. DWG	
R.E. PROJ. NUMBER		DWG NO.	1768-2020-XS-4



**EXISTING R.O.W.
SINGLE CIRCUIT STEEL LATTICE
STRUCTURE 3224 TO STRUCTURE 3247
LOOKING FROM EAST GRANBY JUNCTION TO
SOUTH AGAWAM SUBSTATION**



**PROPOSED R.O.W.
SINGLE CIRCUIT WEATHERING STEEL POLE
STRUCTURE 3224 TO STRUCTURE 3247
LOOKING FROM EAST GRANBY JUNCTION
TO SOUTH AGAWAM SUBSTATION**



TITLE EAST GRANBY JCT.-SOUTH AGAWAM S/S
115 KV TRANSMISSION LINE
RIGHT OF WAY CROSS SECTION
SUFFIELD, CT

BY	NJF	CHKD		APP		APP	
DATE	5/21/2020	DATE		DATE		DATE	
H-SCALE	N.T.S.	SIZE	B	FIELD BOOK & PAGES			
V-SCALE	N.T.S.	V.S.		R.E. DWG			
R.E. PROJ. NUMBER				DWG NO.	1768-2020-XS-5		

Attachment C: List of Structure Replacements

STRUCTURE	EXISTING 115-kV TYPE	EXISTING 115-kV HEIGHT (FT)	NEW 115-kV TYPE	NEW 115-kV HEIGHT (FT)	HEIGHT CHANGE FROM EXISTING (FT)	EXISTING ADJACENT STRUCTURE	EXISTING ADJACENT HEIGHT (FT)	ADJACENT HEIGHT DIFFERENCE FROM NEW 115-kV (FT)
East Granby Junction								
3180	Lattice	86	Monopole	88.5	2.5	17040	95	6.5
3181	Lattice	72	Monopole	79	7	17041	80	1
3182	Lattice	72	Monopole	75	3	17042	75	0
3183	Lattice	72	Monopole	79	7	17043	75	-4
3184	Lattice	71	Monopole	70	-1	17044	80	10
3185	Lattice	72	Monopole	79	7	17045	80	1
3186	Lattice	71	Monopole	70	-1	17046	80	10
3187	Lattice	71	Monopole	70	-1	17047	75	5
3188	Lattice	71	Monopole	79	8	17048	80	1
3189	Lattice	71	Monopole	79	8	17049	80	1
3190	Lattice	71	Monopole	88.5	17.5	17050	95	6.5
3191	Lattice	70	Monopole	85	15	17051	130	45
3192	Lattice	71	Monopole	79	8	17052	130	51
3193	Lattice	70	Monopole	75	5	17052	130	55
3194	Lattice	71	Monopole	84	13	17053	125	41
3195	Lattice	86	Monopole	88.5	2.5	17054	135	46.5
3196	Lattice	71	Monopole	79	8	17055	135	56
3197	Lattice	71	Monopole	75	4	17056	125	50
3198	Lattice	71	Monopole	70	-1	17057	115	45
3199	Lattice	71	Monopole	75	4	17058	120	45
3200	Lattice	70	Monopole	84	14	17059	125	41
3201	Lattice	71	Monopole	80	9	17060	130	50
3202	Lattice	71	Monopole	79	8	17061	85	6
3203	Lattice	98	Monopole	103	5	17062	100	-3
3204	Lattice	71	Monopole	70	-1	17063	85	15
3205	Lattice	71	Monopole	70	-1	17064	95	25
3206	Lattice	71	Monopole	70	-1	17065	85	15

STRUCTURE	EXISTING 115-kV TYPE	EXISTING 115-kV HEIGHT (FT)	NEW 115-kV TYPE	NEW 115-kV HEIGHT (FT)	HEIGHT CHANGE FROM EXISTING (FT)	EXISTING ADJACENT STRUCTURE	EXISTING ADJACENT HEIGHT (FT)	ADJACENT HEIGHT DIFFERENCE FROM NEW 115-kV (FT)
3207	Lattice	71	Monopole	75	4	17066	90	15
3208	Lattice	71	Monopole	84	13	17067	90	6
3209	Lattice	70	Monopole	70	0	17068	95	25
3210	Lattice	71	Monopole	75	4	17069	80	5
3211	Lattice	70	Monopole	90	20	17070	90	0
3212	Lattice	70	Monopole	79	9	17071	85	6
3213	Lattice	71	Monopole	93.5	22.5	17072	95	1.5
3214	Lattice	71	Monopole	75	4	17073	85	10
3215	Lattice	71	Monopole	75	4	17074	80	5
3216	Lattice	71	Monopole	79	8	17075	85	6
3217	Lattice	71	Monopole	79	8	17076	80	1
3218	Lattice	70	Monopole	93.5	23.5	17077	90	-3.5
3219	Lattice	86	Monopole	93.5	7.5	17078	90	-3.5
3220	Lattice	71	Monopole	88.5	17.5	17079	85	-3.5
3221	Lattice	85	Monopole	90	5	17080	85	-5
3222	Lattice	96	Monopole	103	7	17081	110	7
3223	Lattice	85	Monopole	84	-1	17082	85	1
3224	Lattice	95	Monopole	107.5	12.5	17083	120	12.5
3225	Lattice	71	Monopole	93.5	22.5	17084	90	-3.5
3226	Lattice	70	Monopole	70	0	17085	75	5
3227	Lattice	72	Monopole	66	-6	17086	75	9
3228	Lattice	72	Monopole	75	3	17087	75	0
3229	Lattice	71	Monopole	84	13	17088	80	-4
3230	Lattice	71	Monopole	79	8	17089	95	16
3231	Lattice	71	Monopole	75	4	17090	80	5
3232	Lattice	70	Monopole	75	5	17091	80	5
3233	Lattice	85	Monopole	98	13	17092	95	-3
3234	Lattice	96	Monopole	100	4	17093	105	5

STRUCTURE	EXISTING 115-kV TYPE	EXISTING 115-kV HEIGHT (FT)	NEW 115-kV TYPE	NEW 115-kV HEIGHT (FT)	HEIGHT CHANGE FROM EXISTING (FT)	EXISTING ADJACENT STRUCTURE	EXISTING ADJACENT HEIGHT (FT)	ADJACENT HEIGHT DIFFERENCE FROM NEW 115-kV (FT)
3235	Lattice	86	Monopole	93.5	7.5	17094	85	-8.5
3236	Lattice	71	Monopole	84	13	17095	80	-4
3237	Lattice	71	Monopole	79	8	17096	90	11
3238	Lattice	86	Monopole	88.5	2.5	17097	90	1.5
3239	Lattice	70	Monopole	93.5	23.5	17098	105	11.5
3240	Lattice	100	Monopole	100	0	17099	105	5
3241	Lattice	71	Monopole	88.5	17.5	17100	100	11.5
3242	Lattice	71	Monopole	75	4	17101	80	5
3243	Lattice	71	Monopole	75	4	17102	75	0
3244	Lattice	71	Monopole	79	8	17103	70	-9
3245	Lattice	71	Monopole	85	14	17104	80	-5
3246	Lattice	86	Monopole	88.5	2.5	17105	95	6.5
3247	Lattice	71	Monopole	93.5	22.5	17106	100	6.5
CT State Border								

Attachment D: Wetlands and Watercourses Report



Biodiversity Studies • Wetland Delineation & Assessment • Habitat Management • GIS Mapping • Permitting • Forestry

Wetland Delineation

May 11, 2020

DE Project No.: 2019-95

Prepared For: Eversource Energy
56 Prospect Street
Hartford, CT 06103
Attn: Ian Cole

Eversource Project Name: 1768 Line Structure Replacement Project

Project Location: East Granby & Suffield, Connecticut

Date(s) of Investigations: September & October 2019

Field Conditions: Weather: sunny, 50s to 70s
Soil Moisture: moist

**Wetland/Watercourse
Delineation Methodology¹:** Connecticut Inland Wetlands and Watercourses
Connecticut Tidal Wetlands
Massachusetts Wetlands
U.S. Army Corps of Engineers

The wetlands inspection was performed by²:

Davison Environmental, LLC

Matthew Davison
Professional Soil Scientist
Professional Wetland Scientist

¹Wetlands and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance.

²Wetlands were delineated by Davison Environmental Professional Soil Scientist Matthew Davison and All-Points Technology Corporation, P.C. Registered Soil Scientist Matthew Gustafson in September and October 2019. All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

Attachments

- Table 1: Delineated Wetlands and Watercourses within the 1768 Line Structure Replacement Project Area
- Wetland Delineation Field Forms

**Table 1: Delineated Wetlands and Watercourses within the
1768 Line Structure Replacement Project Area**

Aerial Map Sheet No.	Wetland No.¹	Dominant NWI Class²	Other NWI Classes	Dominant Water Regime	Associated Watercourse³	Associated Vernal Pool⁴
1	W1A	PEM	PSS	Permanently Saturated	S1 (Unnamed Perennial)	VP1
1	W1B	PEM	PSS	Seasonally Saturated-seepage	---	---
1	W1C	PEM	PSS	Seasonally Saturated-seepage	---	---
1	W1	PEM	PSS	Seasonally Flooded	S2 (Unnamed Perennial)	VP2, VP3
1, 2	W2	PEM	PSS	Seasonally Saturated-seepage	---	---
2	W3	PEM	PSS	Seasonally Saturated-seepage	---	---
3	W4	PSS	PEM	Seasonally Flooded	---	VP4
3	W5	PEM	PSS	Permanently Saturated	S3 (Unnamed Perennial)	---
3	W6	PEM	PSS	Seasonally Saturated-seepage	---	---
3	W7	PEM	PSS	Seasonally Flooded	---	VP5
4	W8	POW	PEM	Permanently Flooded	S4 (Unnamed Perennial)	---
5	W9	PEM	PSS	Seasonally Saturated-seepage	S5 (Unnamed Perennial)	---
5, 6	W10	PEM	PSS	Seasonally Saturated-seepage	---	---
6	W11	PEM	PSS	Seasonally Saturated-seepage	---	---
6	W12	PSS	PEM	Seasonally Saturated-seepage	S6 (intermittent)	---
6	W13	PFO	---	Seasonally Saturated-seepage	---	---

Aerial Map Sheet No.	Wetland No. ¹	Dominant NWI Class ²	Other NWI Classes	Dominant Water Regime	Associated Watercourse ³	Associated Vernal Pool ⁴
7	---	---	---	---	S7 (Intermittent)	---
8	W14	PEM	PSS	Seasonally Saturated-seepage	S8 (Intermittent)	---
9	W15	PEM	PSS	Permanently Saturated		---
9	W16	PSS	PFO	Permanently Saturated	S9 (Intermittent)	---
10	W17	PSS	PEM	Seasonally Flooded	S10, S11 (Intermittent)	VP6, VP7
10	W18	PEM	PSS	Permanently Saturated	---	---
11	W19	PSS	PEM	Seasonally Flooded	---	---
11	W20	PEM	---	Seasonally Saturated-seepage	---	---
12	W21	PSS	PEM	Seasonally Flooded	---	VP8
13	W22	PSS	PEM	Seasonally Flooded	S12 (Unnamed Perennial)	---

¹Wetland No. refers to the number generated during the 2019 field surveys within the 1768 Line Structure Replacement Project area. This Wetland No. is keyed to those depicted on the 200 scale Aerial Maps (Attached to the Petition).

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

³Associated Watercourse refers to the identification number assigned during the 2019 field surveys to identify watercourses within the 1768 Line Structure Replacement Project area.

⁴ Vernal pools were identified in 2020 by Davison Environmental

Wetland Delineation Field Form

Wetland I.D.:	W1A	Stream I.D.:	S1
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: large system with varied cover types within and beyond maintained ROW		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: perennial tributary to Muddy Brook		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maper (Acer rubrum)	Sensitive Fern (Onoclea sensibilis)
Northern Arrow-wood (Viburnum recognitum)	Joe Pye Weed (Eupatorium maculatum)
Silky Dogwood (Cornus amomum)	Tussock Sedge (Carex stricta)
Elderberry (Sambucus canadensis)	
Cinnamon Fern (Osmunda cinnamomea)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W1	Stream I.D.:	S2
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input checked="" type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: large system with varied cover types, beaver activity, is part of headwaters/tributary to Muddy Brook		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: perennial tributary to Muddy Brook, includes beaver impounded areas embedded within larger wetland		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: 'Cryptic'	
Comments: VP2, VP3 (VP2 is within an impounded watercourse which drains to the south)	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maper (<i>Acer rubrum</i>)	Specked Alder (<i>Alnus rugosa</i>)
Eastern White Pine (<i>Pinus strobus</i>)	Northern Arrow-wood (<i>Viburnum recognitum</i>)
American Elm (<i>Ulmus americana</i>)	Jewelweed (<i>Impatiens capensis</i>)
Spicebush (<i>Lindera benzoin</i>)	Cinnamon Fern (<i>Osmunda cinnamomea</i>)
Elderberry (<i>Sambucus canadensis</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W2	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: seepage drains north beneath access road via culvert		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maper (Acer rubrum)	Winterberry (Ilex verticillata)
Eastern Hemlock (Tsuga canadensis)	Northern Arrow-wood (Viburnum recognitum)
American Elm (Ulmus americana)	Sensitive Fern (Onoclea sensibilis)
Spicebush (Lindera benzoin)	Cinnamon Fern (Osmunda cinnamomea)
Highbush Blueberry (Vaccinium corymbosum)	Skunk Cabbage (Symplocarpus foetidus)

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W3	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: seepage drains north beneath access road via culvert		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Elderberry (<i>Sambucus canadensis</i>)	Soft Rush (<i>Juncus effuses</i>)
Jewelweed (<i>Impatiens capensis</i>)	Tussock Sedge (<i>Carex stricta</i>)
Joe Pye Weed (<i>Eupatorium maculatum</i>)	Goldenrods (<i>Solidago</i> spp)
Spicebush (<i>Lindera benzoin</i>)	Cinnamon Fern (<i>Osmunda cinnamomea</i>)
Highbush Blueberry (<i>Vaccinium corymbosum</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W4	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: seasonally flooded buttonbush swamp		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: 'Classic'	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Buttonbush (<i>Cephalanthus occidentalis</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
Winterberry (<i>Ilex verticillata</i>)	
Spicebush (<i>Lindera benzoin</i>)	
Cinnamon Fern (<i>Osmunda cinnamomea</i>)	
Sphagnum moss (<i>Sphagnum</i> spp.)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W5	Stream I.D.:	S3
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: seasonally saturated seepage in east to seasonally flooded swamp to west		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: embedded unnamed perennial stream flows from east to west through access road		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
American Elm (<i>Ulmus americana</i>)	Broad-Leaf Cattail (<i>Typha latifolia</i>)
Spicebush (<i>Lindera benzoin</i>)	Boneset (<i>Eupatorium perfoliatum</i>)
Cinnamon Fern (<i>Osmunda cinnamomea</i>)	Sensitive Fern (<i>Onoclea sensibilis</i>)
Sphagnum moss (<i>Sphagnum</i> spp.)	Specked Alder (<i>Alnus rugosa</i>)

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W6	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: seasonally saturated seepage drains northwest		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Meadowsweet (<i>Spiraea latifolia</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
Winterberry (<i>Ilex verticillata</i>)	Tearthumbs (<i>Polygonum</i> spp.)
Spicebush (<i>Lindera benzoin</i>)	
Northern Arrow-wood (<i>Viburnum recognitum</i>)	
Tussock Sedge (<i>Carex stricta</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W7	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: large hydraulically connected wetland complex drains north in maintained ROW		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: 'Classic'	
Comments: VP5 maintains a hydraulic connection to adjacent W7 via groundwater	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Meadowsweet (<i>Spiraea latifolia</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
Winterberry (<i>Ilex verticillata</i>)	Joe Pye Weed (<i>Eupatorium maculatum</i>)
Spicebush (<i>Lindera benzoin</i>)	Wool Grass (<i>Scirpus cyperinus</i>)
Northern Arrow-wood (<i>Viburnum recognitum</i>)	Soft Rush (<i>Juncus effuses</i>)
Tussock Sedge (<i>Carex stricta</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W8	Stream I.D.:	S4
Flag Location Method:	Site Sketch <input type="checkbox"/>		GPS (sub-meter) located <input checked="" type="checkbox"/>

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input checked="" type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: man-made pond with dam and outlet control structure		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input checked="" type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: discharges from pond		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Bebb Willow (<i>Salix bebbiana</i>)	
Specked Alder (<i>Alnus rugosa</i>)	
Broad-Leaf Cattail (<i>Typha latifolia</i>)	
Purple Loosestrife* (<i>Lythrum salicaria</i>)	
Rice Cutgrass (<i>Leersia oryzoides</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W9	Stream I.D.:	S5
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: large gradually sloping wetland drains west		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: channel width 5-10' bank height 1'		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Spicebush (<i>Lindera benzoin</i>)	Joe Pye Weed (<i>Eupatorium maculatum</i>)
Winterberry (<i>Ilex verticillata</i>)	Goldenrods (<i>Solidago</i> spp.)
Cinnamon Fern (<i>Osmunda cinnamomea</i>)	
Skunk Cabbage (<i>Symplocarpus foetidus</i>)	
Tussock Sedge (<i>Carex stricta</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W10	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: None		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: forested wetland extends east beyond the maintained ROW		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Spicebush (<i>Lindera benzoin</i>)	Rice Cutgrass (<i>Leersia oryzoides</i>)
Winterberry (<i>Ilex verticillata</i>)	Goldenrods (<i>Solidago</i> spp.)
Northern Arrow-wood (<i>Viburnum recognitum</i>)	
Skunk Cabbage (<i>Symplocarpus foetidus</i>)	
Sensitive Fern (<i>Onoclea sensibilis</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W11	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: isolated wetland depression appears to be grading irregularity		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Broad-Leaf Cattail (<i>Typha latifolia</i>)	
Bebb Willow (<i>Salix bebbiana</i>)	
Meadowsweet (<i>Spiraea latifolia</i>)	
Joe Pye Weed (<i>Eupatorium maculatum</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W12	Stream I.D.:	S6
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: wetland/watercourse drain west, beneath access road via culvert		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: bank height <1', channel width 2-3'		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Specked Alder (<i>Alnus rugosa</i>)	
Spicebush (<i>Lindera benzoin</i>)	
Winterberry (<i>Ilex verticillata</i>)	
Skunk Cabbage (<i>Symplocarpus foetidus</i>)	
Sensitive Fern (<i>Onoclea sensibilis</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W13	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: forested wetland at the edge of maintained ROW		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Eastern Hemlock (<i>Tsuga canadensis</i>)	
Sensitive Fern (<i>Onoclea sensibilis</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W14	Stream I.D.:	S8
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: intermittent watercourse with narrow bordering wetland		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: no flow at the time of inspection		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Tearthumbs (Polygonum spp.)	
Rice Cutgrass (Leersia oryzoides)	
Joe Pye Weed (Eupatorium maculatum)	
Goldenrods (Solidago spp.)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W15	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: anthropogenic wetland (old cellar hole or foundation) is isolated		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Tearthumbs (<i>Polygonum</i> spp.)	
Bebb Willow (<i>Salix bebbiana</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W16	Stream I.D.:	S9
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: large forested/scrub shrub wetland located at the base of a traprock ridge		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: diffuse low-gradient flow, channel width 5-10'		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Silky Dogwood (<i>Cornus amomum</i>)
American Elm (<i>Ulmus americana</i>)	Elderberry (<i>Sambucus canadensis</i>)
Yellow Birch (<i>Betula alleghaniensis</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
Spicebush (<i>Lindera benzoin</i>)	
Northern Arrow-wood (<i>Viburnum recognitum</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W17	Stream I.D.:	S10, S11
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: None		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input checked="" type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: two embedded low-gradient intermittent watercourses, channel widths 4-8'		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: 'Cryptic'	
Comments: two pools (VP6 and VP7) located on the north side of wetland/ROW	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Specked Alder (<i>Alnus rugosa</i>)
Eastern Hemlock (<i>Tsuga canadensis</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
Yellow Birch (<i>Betula alleghaniensis</i>)	Tussock Sedge (<i>Carex stricta</i>)
Spicebush (<i>Lindera benzoin</i>)	
Northern Arrow-wood (<i>Viburnum recognitum</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W18	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: contiguous with W17 off-ROW		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Jewelweed (<i>Impatiens capensis</i>)
American Elm (<i>Ulmus americana</i>)	Sensitive Fern (<i>Onoclea sensibilis</i>)
Yellow Birch (<i>Betula alleghaniensis</i>)	
Winterberry (<i>Ilex verticillata</i>)	
Skunk Cabbage (<i>Symplocarpus foetidus</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W19	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: large low-gradient wetland occupies entire ROW		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: suitable habitat identified, however no egg masses or indications of breeding observed	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Spicebush (<i>Lindera benzoin</i>)
American Elm (<i>Ulmus americana</i>)	Sensitive Fern (<i>Onoclea sensibilis</i>)
Yellow Birch (<i>Betula alleghaniensis</i>)	Tussock Sedge (<i>Carex stricta</i>)
Elderberry (<i>Sambucus canadensis</i>)	
Silky Dogwood (<i>Cornus amomum</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W20	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: emergent wetland in agricultural field		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Water Pepper (<i>Polygonum hydropiper</i>)	
Fox Sedge (<i>Carex vulpinoidea</i>)	
Wool Grass (<i>Scirpus cyperinus</i>)	
Reed Canarygrass* (<i>Phalaris arundinacea</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W21	Stream I.D.:	None
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input checked="" type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: None		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: None		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: 'Cryptic'	
Comments: VP8 is on the western edge of ROW	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Northern Arrow-wood (<i>Viburnum recognitum</i>)
American Elm (<i>Ulmus americana</i>)	Woolgrass (<i>Scirpus cyperinus</i>)
Eastern Hemlock (<i>Tsuga canadensis</i>)	Sensitive Fern (<i>Onoclea sensibilis</i>)
Spicebush (<i>Lindera benzoin</i>)	Tearthumbs (<i>Polygonum</i> spp.)
Silky Dogwood (<i>Cornus amomum</i>)	Joe Pye Weed (<i>Eupatorium maculatum</i>)

* denotes Connecticut Invasive Species Council invasive plant species

Wetland Delineation Field Form

Wetland I.D.:	W22	Stream I.D.:	S12
Flag Location Method:	Site Sketch <input type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>	

WETLAND HYDROLOGY:

NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input checked="" type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input checked="" type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: None		

TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

WETLAND TYPE:

SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

CLASS:

Emergent <input checked="" type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Unnamed		
Comments: None		

SPECIAL AQUATIC HABITAT:

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

SOILS:

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
---	---	-----------------------------

DOMINANT PLANTS:

Red Maple (<i>Acer rubrum</i>)	Northern Arrow-wood (<i>Viburnum recognitum</i>)
American Elm (<i>Ulmus americana</i>)	Skunk Cabbage (<i>Symplocarpus foetidus</i>)
Yellow Birch (<i>Betula alleghaniensis</i>)	Cinnamon Fern (<i>Osmunda cinnamomea</i>)
Spicebush (<i>Lindera benzoin</i>)	
Spicebush (<i>Lindera benzoin</i>)	

* denotes Connecticut Invasive Species Council invasive plant species

Attachment E: Vernal Pool Survey



Biodiversity Studies • Wetland Delineation & Assessment • Habitat Management • GIS Mapping • Permitting • Forestry

Vernal Pool Survey and Recommended Protection Measures

May 22, 2020

DE Project No.: 2019-95

Prepared For: Eversource Energy
56 Prospect Street
Hartford, CT 06103
Attn: Ian Cole

Eversource Project Name: 1768 Line Structure Replacement Project

Project Location: East Granby and Suffield, Connecticut

Date(s) of Investigations: March through April, 2020

Survey Methodology: Visual and Audial Survey, and Dip Netting

The vernal pool survey was performed by:

Davison Environmental, LLC

A handwritten signature in blue ink that reads "Eric Davison".

Eric Davison
Wildlife Biologist
Professional Soil Scientist
Professional Wetland Scientist

INTRODUCTION

The following details vernal pool surveys conducted by Davison Environmental in support of The Connecticut Light and Power Company doing business as Eversource Energy's ("Eversource") petition to the Connecticut Siting Council for the 1768 Line Structure Replacement Project within an existing transmission line right-of-way ("ROW") in East Granby and Suffield, Connecticut ("Project").

VERNAL POOL DEFINITION

Several vernal pool definitions have been developed by both regulatory authorities and conservation organizations. The Connecticut Department of Energy and Environmental Protection (CT DEEP) generally describes vernal pools on its website, but cautions that the data provided is informational in nature and should not supplant regulations of municipal inland wetlands agencies. CT DEEP describes vernal pools as "*small bodies of standing fresh water found throughout the spring*" that are "*usually temporary*" and "*result from various combinations of snowmelt, precipitation and high water tables associated with the spring season*".

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

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

Vernal pool physical characteristics can vary widely while still providing habitat for indicator species. "Classic" vernal pools are natural depressions in a wooded upland with no permanent hydrologic connection to other wetland systems. Anthropogenic depressions such as quarry holes, old farm ponds and borrow pits can also provide similar habitat. Most commonly in Connecticut vernal pools are depressions or impoundments embedded within forested wetlands, most typically red maple-dominated swamps. These vernal pool habitats are commonly referred to as "cryptic" vernal pools.

Several species of amphibians depend on vernal pools for reproduction and development. These species are referred to as indicator¹ vernal pool species, and their presence in a temporary wetland during the breeding season helps to identify that area as a vernal pool. Indicator species present in Connecticut include the following:

¹ Calhoun and Klemens (2002) argue that "indicator" species is a better word than the commonly used "obligate" species, as they will occasionally breed in roadside ditches and small ponds that are not vernal pools.

- Blue-spotted salamander (*Ambystoma laterale*);
- Wood frog (*Rana sylvatica*);
- Spotted salamander (*Ambystoma maculatum*);
- Jefferson salamander (*Ambystoma jeffersonianum*);
- Marbled salamander (*Ambystoma opacum*); and
- Fairy shrimp (*Branchiopoda anostraca*).

Facultative vernal pool species are fauna that utilize but do not necessarily require vernal pools for reproductive success. Examples of facultative species include spotted turtles (*Clemmys guttata*) and four-toed salamander (*Hemidactylium scutatum*). These species may breed or feed in vernal pools but are also capable of carrying out all phases of their lifecycle in other types of wetlands or water bodies. Evidence of breeding by facultative species alone is not considered indicative of the presence of a vernal pool.

EXISTING WETLANDS ALONG THE PROJECT ROW

The Project ROW lies within the North-Central Lowlands Ecoregion (Dowhan and Craig, 1976). The ecoregion is characterized by extensive floodplains and large wetlands within lowlands adjacent to major rivers and interspersed with prominent north-trending ridge system. Elevations range between 50-250 feet above sea level.

Project wetlands are predominantly characterized by wetlands with a “saturated” or “seasonally flooded” hydrology. Mitsch and Gosselink (2007)² defines a saturated hydrology as a wetland with a substrate that is saturated for extended periods during the growing season, but standing water is rarely present. Wetlands with a saturated hydrology are not capable of supporting breeding by vernal pool indicator species, as they lack prolonged standing water. In order for successful breeding by vernal pool amphibians to occur, a wetland must have standing water from approximately March through June for most indicator species³. Such wetlands, referred to as seasonally flooded wetlands, provide optimal habitat for vernal pool indicator species. Additionally, while seasonally flooded conditions are optimal, permanently (or semi-permanently) flooded wetlands can also provide suitable breeding habitat, particularly if they occur in a forested landscape and contain shallow water with emergent and/or submergent vegetation.

VERNAL POOL SURVEY

On 3/9, 3/24, 4/1, 4/6 and 4/20 2020, biologist Eric Davison of Davison Environmental, LLC conducted field surveys of the wetlands within the Project area to identify vernal pools. Field surveys were conducted to identify both species richness and abundance of indicator species. 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.

² Mitsch, W.J. and Gosselink, J.G. 2007. Wetlands, fourth edition. John Wiley and Sons, Inc.

³ The indicator species marbled salamander (*Ambystoma opacum*) breeds in late-summer and fall, with larval development throughout the winter and spring.

A total of 8 vernal pools were identified within the Project area as depicted in Table 1. Vernal pools were assigned numeric identifiers (VP#) and are depicted on the Project's 200 Scale Aerial Maps. Photographs of representative vernal pools are attached for reference.

Other species observed during the surveys included red-spotted newt (*Notophthalmus viridescens*), American toad (*Bufo americanus*), green frog (*Lithobates clamitans*), bullfrog (*Rana catesbeiana*), spring peeper (*Pseudacris crucifer*), garter snake (*Thamnophis sirtalis*) and painted turtle (*Chrysemys picta*).

In addition, two State-listed species of special concern were observed, the spotted turtle (*Clemmys guttata*) and ribbon snake (*Thamnophis sauritus*). Spotted turtles were observed at three locations: one in Vernal Pool 5 (Map Sheet 3); one near Vernal Pools 6 and 7 (Map Sheet 10); and one in Wetland 17 (Map Sheet 11). Ribbon snake was observed in Wetland 1 near Vernal Pool 3 (Map Sheet 1). CT DEEP Special Animal Survey Forms were submitted to the Natural Diversity Database Program documenting these observations.

Table 1: 1768 Line Vernal Pool Summary Table

Pool	Indicator Species (L=larvae present; number = total egg masses; C = chorus)		Cover Type	Pool Type	200 Scale Mapsheet No.
	Wood Frog	Spotted Salamander			
VP1	20	10	PSS	CR	1
VP2		9	PEM	CR	1
VP3		7	PFO	CR	1
VP4	C	28+	PSS	CL	2
VP5	C		PEM	CR	3
VP6		38	PSS/PFO	CR	10
VP7		9	PEM	CR	10
VP8	1	3	PFO/PEM	CR	12
<p><u>Cover Type</u> PFO – palustrine forested wetland (wooded swamp) PSS – palustrine scrub-shrub wetland (shrub swamp) PEM – palustrine emergent wetland (marsh)</p> <p><u>Pool Type</u> CR – cryptic; CL – classic</p> <p>+ = indicates large pools with deep water, dense vegetation and/or the pool continues offsite; therefore, total egg mass counts were not conducted</p>					

One vernal pool indicator species that occurs in the biogeographical region is the blue-spotted salamander complex. This species is associated with glacial lake beds in the State and is known to occur in wetlands within this region associated with Glacial Lake Tariffville. To detect this species, more detailed surveys involving trapping during the early onset of the breeding season would have been required. Such work was beyond the scope of this survey. However, we acknowledge that this species may be present within some of the vernal pools/wetlands identified in this survey. Detailed surveys for this species were not considered necessary, as the general best management practices and vernal pool indicators employed for the more common vernal pool indicator species are identical to those measures necessary to protect habitat for the blue-spotted salamander complex.

Vernal pool surveys on this line were conducted by ENSR in 2008 for the Greater Springfield Reliability Project. That survey effort identified additional vernal pools or modified vernal pool locations differing from the findings of this survey. These variations were all associated with cryptic pools located within Wetlands 1, 1A, 17, and 20. Several factors are likely the result of these varying results. These include: (1) 12 years has elapsed since that survey was conducted; (2) all are cryptic vernal pools that continue beyond the Eversource ROW, therefore full survey of the entire wetland were not possible; and (3) some hydrological changes appear to have occurred as a result of beaver dams.

A previously identified pool in Wetland 20 is associated with a perennial stream and floodplain and was likely a small ponded area created by a beaver dam. At present, that location is a gently sloping wetland with no standing water. Wetland 17 is an extensively flooded wetland, which a large part of the wetland occurring beyond the Eversource ROW. This wetland was inspected on three occasions, and no egg masses were observed within the ROW. However, the habitat is suitable to support vernal pool indicator species, and a spotted turtle was observed within the wetland. It is possible that the breeding locations, at least for this season, occurred within the forested portions of the pool beyond the ROW, and were therefore not observed. Due to the presence of the spotted turtle, pre-construction sweeps prior to the installation of matting are recommended, and at that time a re-inspection for indicator species egg masses can be conducted. If present, those masses could be moved a short distance beyond the mat locations.

POTENTIAL PROJECT IMPACTS TO VERNAL POOLS AND RECOMMENDED PROTECTION MEASURES

Based on the proximity of vernal pools to the proposed work, potential impacts to vernal pools may occur during construction. The principal construction activities that could impact vernal pools include:

1. The construction of new, or improvement of existing access roads through vernal pool envelopes (within 100' of vernal pool);
2. The movement of vehicles and equipment through amphibian migratory routes;
3. The potential for erosion and sedimentation into vernal pools;
4. The destruction of fossorial habitat through soil compaction and grading; and
5. The placement of structures or use of equipment within pools that could directly impact egg deposition areas or negatively affect the hydrologic regime of the pool.

Recommended Protection Measures

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

- A. Avoidance and/or minimization of construction activities in vernal pools where feasible.
- B. Matting at structures 3193 (adjacent to Vernal Pool 5), and 3237 – 3238 (in Wetland 19) should be installed in the active season (April 1 to September 30). Spotted turtle were observed at these locations, and both locations represent suitable hibernacula for this species. Installing matting during the winter could smother hibernating turtles. Pre-construction sweeps should occur prior to the installation of matting to search for and exclude turtles.

- C. Permanent alteration of habitat should be avoided within vernal pool envelopes. Temporary matting should be utilized for access roads and work pads.
- D. If possible, no tree clearing should occur within vernal pool envelopes.
- E. Removal of shrub cover associated with work pad and access road construction within 25' of vernal pools should be minimized to the extent practicable. Cut woody debris (slash) should be left in place to provide amphibian cover and promote the development of coarse woody debris and detritus.
- F. If necessary, erosion and sedimentation controls should be installed and maintained along existing access roads and work pads near vernal pools as necessary to protect water quality and to limit the potential for soil deposition into vernal pools. Erosion control measures should be designed in a manner that allows unencumbered amphibian access to the vernal pool. Such measures may include, but not be limited to; syncopated silt fencing and/or straw wattles, and aligning erosion and sedimentation controls to avoid bifurcating vernal pool habitat.
- G. Plastic netting, which may be found in a variety of erosion control products (e.g., erosion control blankets, straw wattles, and reinforced silt fence), should not be used. Erosion and sedimentation control devices should be promptly removed upon final revegetation and stabilization of the ROW.



Photo 1: Vernal Pool 1



Photo 2: Vernal Pool 2



Photo 3: Vernal Pool 3



Photo 4: Vernal Pool 4



Photo 5: Vernal Pool 5



Photo 6: Vernal Pool 6



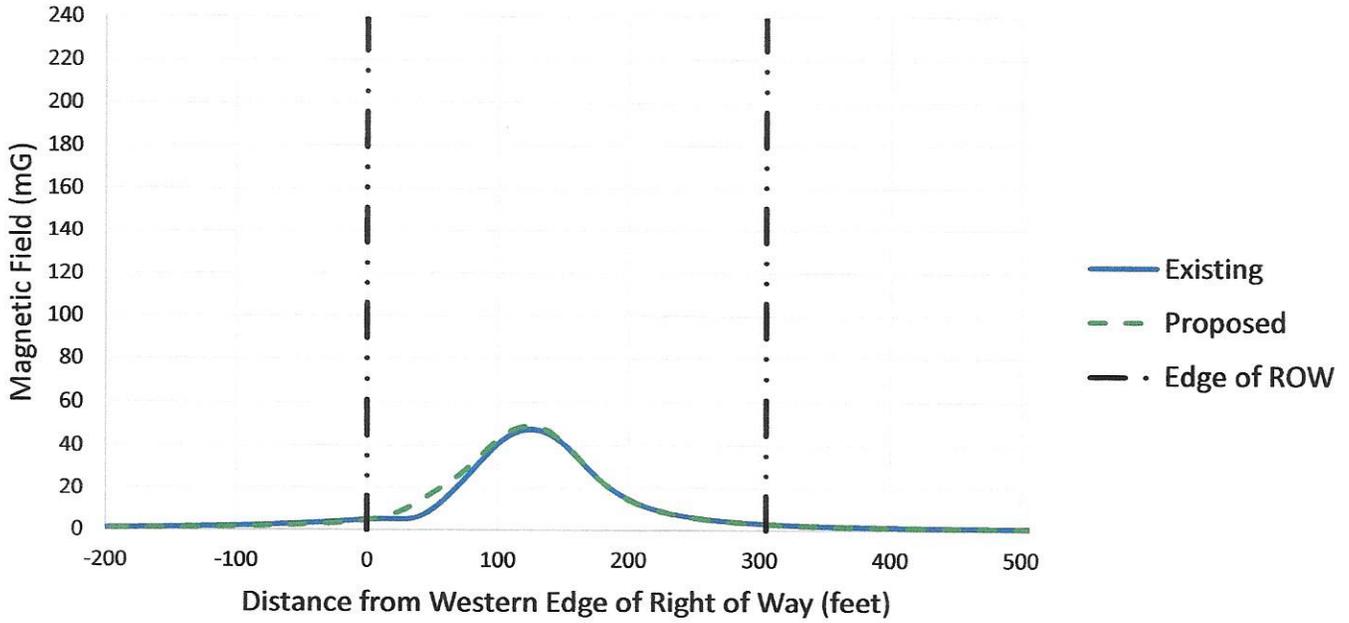
Photo 7: Vernal Pool 7



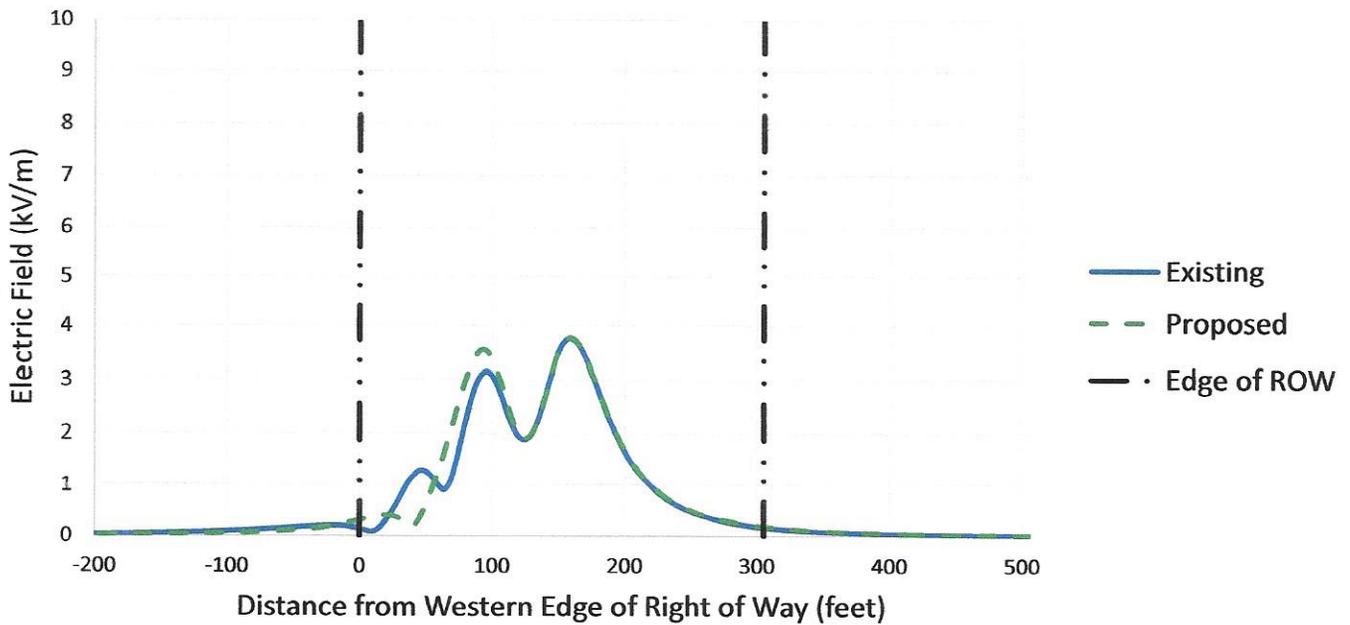
Photo 8: Vernal Pool 8

Attachment F: EMF Graphs

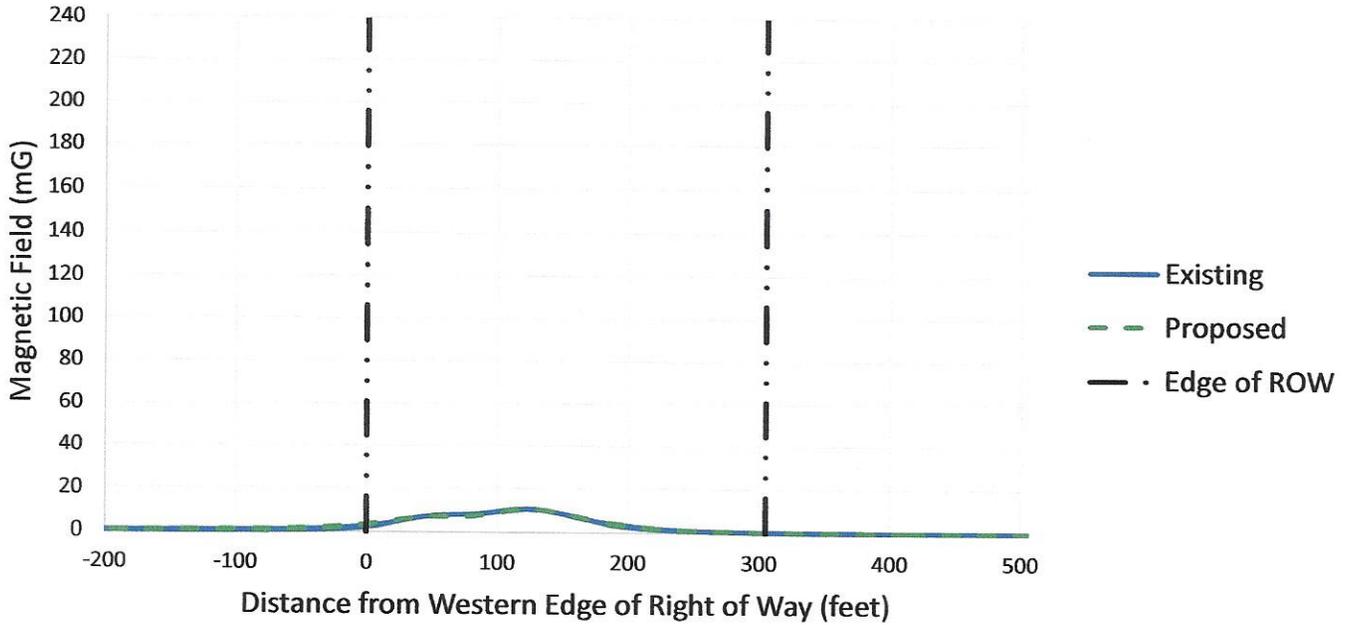
Calculated Magnetic Fields Between East Granby Junction and Structure 3190 Looking North (Average Annual Load)



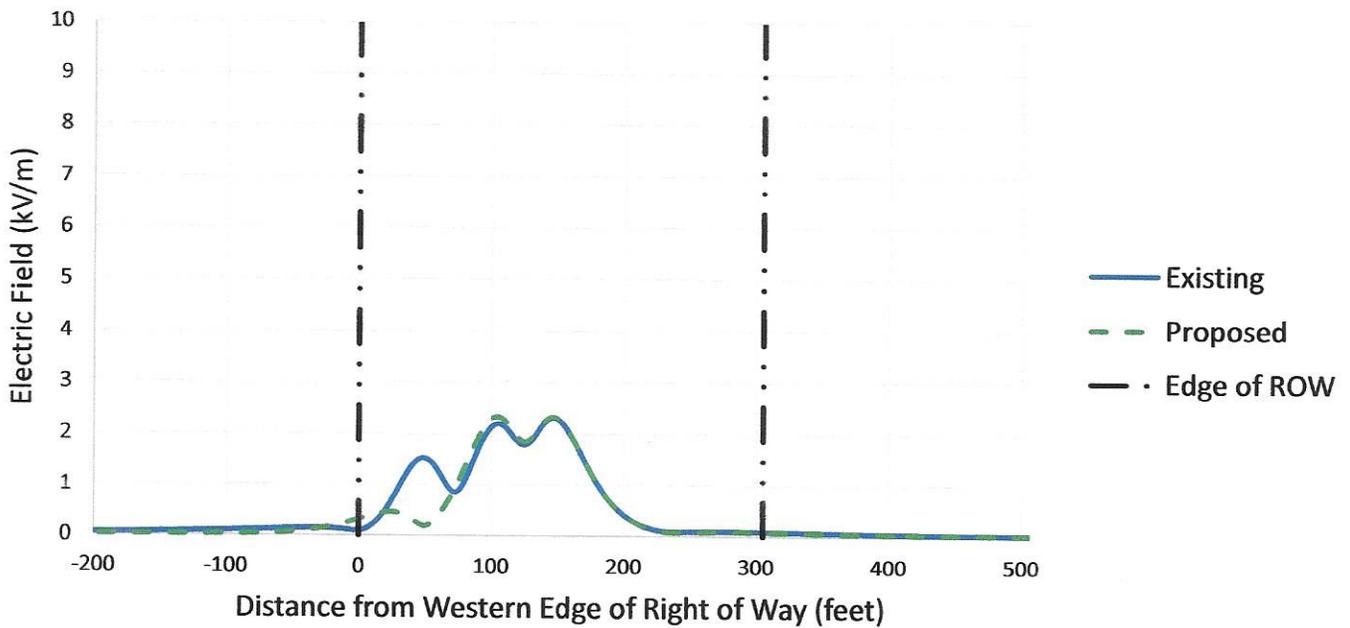
Calculated Electric Fields Between East Granby Junction and Structure 3190 Looking North



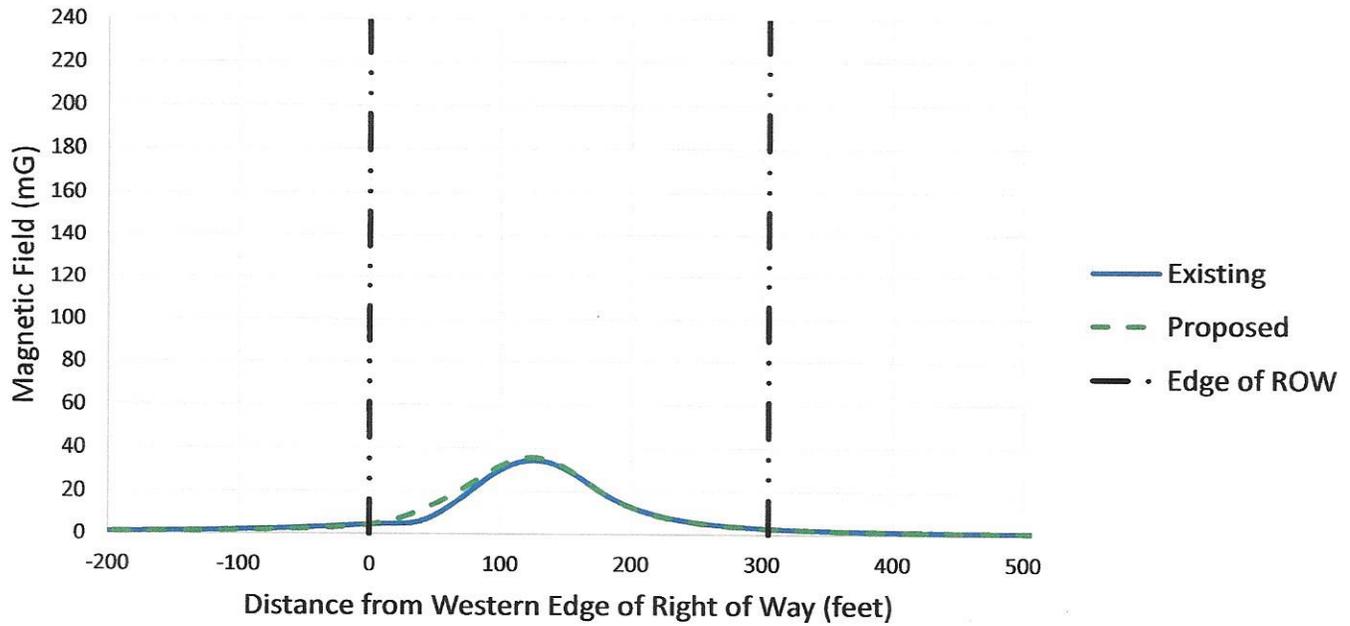
Calculated Magnetic Fields Between Structure 3190 and Structure 3200 Looking North (Average Annual Load)



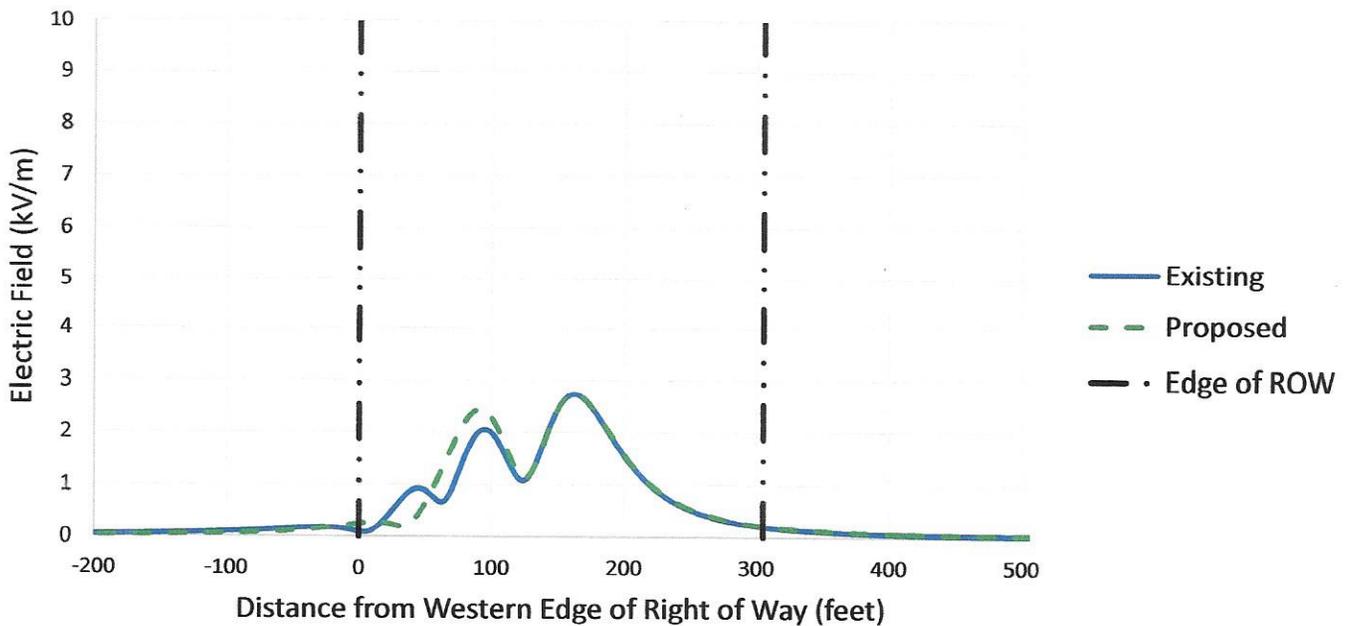
Calculated Electric Fields Between Structure 3190 and Structure 3200 Looking North



Calculated Magnetic Fields Between Structure 3200 and Structure 3247 Looking North (Average Annual Load)



Calculated Electric Fields Between Structure 3200 and Structure 3247 Looking North



Attachment G: Letter to the Abutters and Affidavit

August 25, 2020

Dear Neighbor,

Maintaining infrastructure is one of the many ways Eversource supports the safe and secure transmission of electricity throughout the region. We are submitting a petition to the Connecticut Siting Council (CSC) for a proposed transmission line (circuit) structure replacement project in your area.

Proposed Project Information

The proposed project, called the 1768 Line Lattice Tower Replacement Project ("Project") would include replacing 68 existing lattice tower structures with weathering steel monopoles along the approximately 7.5-mile right-of-way (powerline corridor) from East Granby, Connecticut (CT) (Turkey Hill Rd, East Granby) through Suffield, CT.

We would also replace the six conductors that currently make up the 115kV 1768 transmission line with a new slightly thicker wire. There will be only three conductors when done.

In addition, the existing ground wire located at the top of the structures would be replaced with new fiber optic communication wire (called OPGW) along the same route. The OPGW improves electric reliability by enabling communication between substations.

This proposed work is necessary to ensure the continued reliability, safety, and security of the transmission of electricity throughout the region. If the CSC approve the proposed work, construction is expected to begin in January 2021. We anticipate restoration of any affected areas would be completed by then end of 2021.

Contact Information

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

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

Sincerely,



Roxanne Huff
Eversource Project Manager

Meeting Customer Needs During this Critical Time

Safety First and Always

The safety of our employees, our customers and the public is our top priority during the ongoing coronavirus public health crisis. Our commitment to safety, first and always, is continuous.

Providing Reliable Service to Customers

Eversource is committed to delivering safe, reliable service to our customers. This commitment has taken on even more importance during these unsettled times. We continue to call on our employees and contractors to perform essential work in the field that maintains and improves the reliability of our networks and serves customers' best interests, while also adapting our work practices to incorporate social distancing, proper protective equipment, heightened hygiene, and other best practices to protect their, and the public's, health and avoid the spread of coronavirus.

Safely Performing Our Work

Essential work is activity that maintains or improves the condition of our system and supports our delivery of safe and reliable energy and other services, including the replacement or installation of electrical lines, structures/poles, and related equipment.

In addition to relying on alternate communications channels to keep customers safe and informed (letters, emails and phone calls), we will resume our use of door hangers as a part of our outreach efforts. Eversource representatives will leave these notifications that include information on our work in rights-of-way and who to contact with any questions — without knocking on doors. Eversource representatives will continue to abide by all COVID-19 safety guidelines, which include wearing personal protective equipment, following social distancing, enhanced sanitizing requirements and other federal and state health and safety guidelines.

Questions and More Information

For any questions regarding essential work in your area, please call **1-800-793-2202** or email us at [**ProjectInfo@eversource.com**](mailto:ProjectInfo@eversource.com).

AFFIDAVIT OF SERVICE OF NOTICE

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

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

- Ms. Melissa Mack, First Selectman
Town of Suffield
Suffield Town Hall
83 Mountain Road
Suffield, CT 06078

- Mr. James Hayden, First Selectman
Town of East Granby
East Granby Town Hall
9 Center Street
P.O. Box 18558
East Granby, CT 06026

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



Roxanne Huff
Project Manager

On this the 25th day of August 2020, before me, the undersigned representative, personally appeared, Andrew Lord, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

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

Notary Public/My Commission expires: _____
Officer of the Superior Court/ Juris No.: Andrew W. Lord / 413393