

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 INSTALLATION OF ONE
COMMUNICATIONS ANTENNA IN THE TOWN OF EAST
WINDSOR, CONNECTICUT

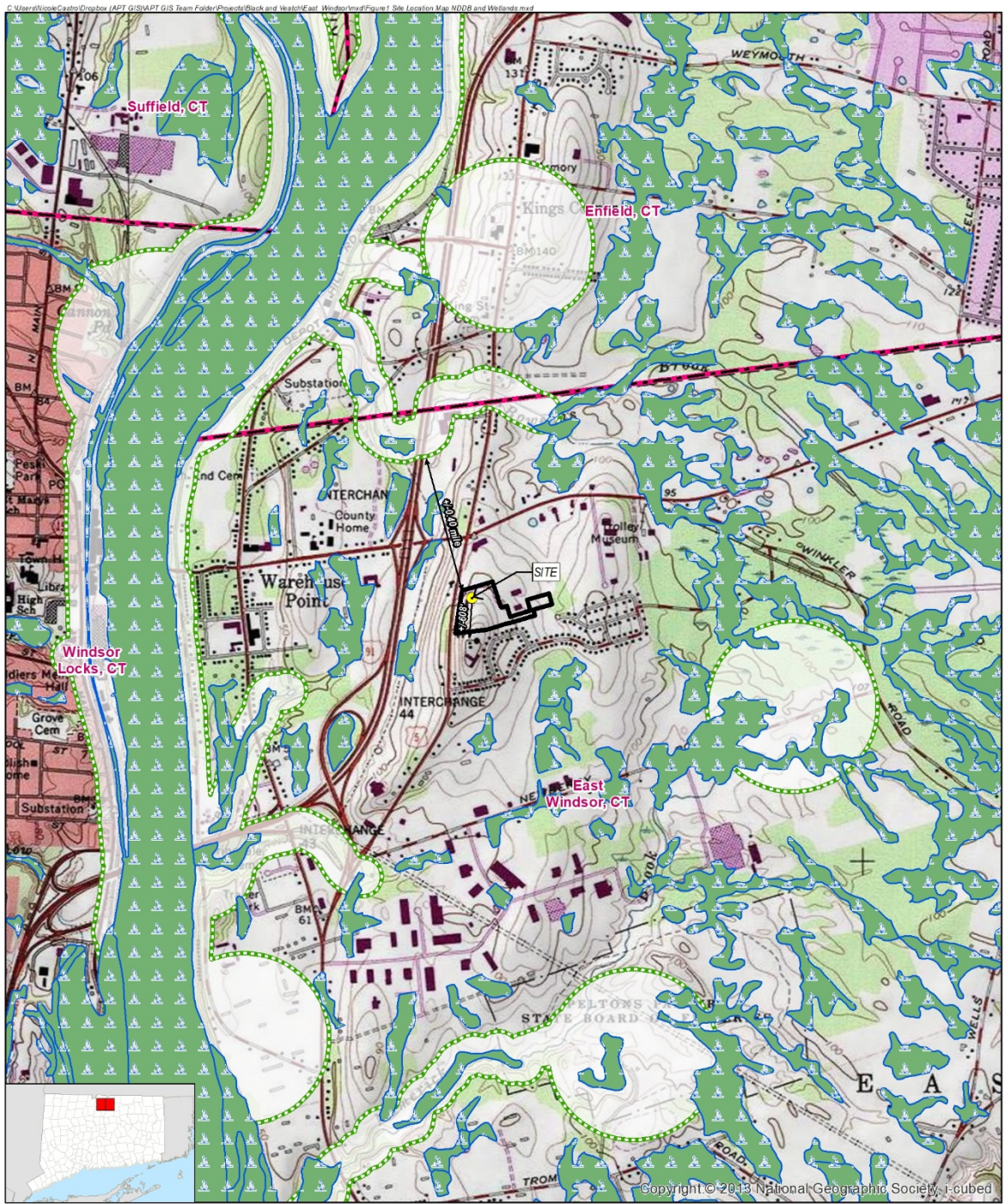
A. Introduction

Pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies, The Connecticut Light and Power Company, doing business as Eversource Energy (“Eversource” or the “Company”), hereby petitions the Connecticut Siting Council (the “Council”) for a declaratory ruling (“Petition”) that no Certificate of Environmental Compatibility and Public Need (“Certificate”) is required under Section 16-50k(a) of the Connecticut General Statutes (“C.G.S.”) to install one (1) new communications antenna on a galvanized steel, wall-mounted mast with existing antennas (“Proposed Facility”) at its East Windsor Area Work Center (“Work Center”). See Figure 1, *Overview Map*.

B. Background

Eversource owns and operates an area work center at 112 Prospect Hill Road in East Windsor, Connecticut, an approximately 13.47-acre parcel owned by the Company (the “Site”). The Company proposes to replace an existing wall-mounted pipe mast with a new pipe mast to support the addition of one (1) new 24 foot-3-inch-tall omnidirectional antenna and associated equipment. Two (2) existing antennas and cabling would be relocated from the existing pipe mast to the new pipe mast. Eversource would own and operate the Proposed Facility.

Eversource is in the process of reconfiguring its communications system throughout the State. The proposed installation is part of Eversource’s program to update the current obsolete analog voice radio communications system to a modern digital voice communications system. The new system will enable the highest level of voice communications under all operating conditions, including during critical emergency and storm restoration activities. The new radio system will also provide for remote control of distribution safety equipment.



- Legend**
- Proposed Wall Mounted Antenna and Replacement Pipe Mast
 - Subject Property
 - Approximate Wetland (not delineated; CTDEEP)
 - Natural Diversity Database (updated 12/2019)
 - Municipal Boundary

Map Notes:
 Base Map Source: USGS 7.5 Minute Topographic
 Quadrangle Maps, Broad Brook and Windsor Locks (1984), CT
 Map Scale: 1:24,000
 Map Date: June 2020

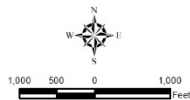


Figure 1
Site Location, Natural Diversity Database,
and Wetland Map

Proposed Communications Facility
 East Windsor AWC
 112 Prospect Hill Road
 East Windsor, CT



C. Description of the Project

The Proposed Facility would be installed on the northern wall of the Work Center building in the same location as the existing mast pipe. The proposed replacement mast would extend to approximately 34-feet above ground level (“AGL”), the same height as the existing mast pipe. One (1) omni-directional whip antenna would extend approximately 13-feet above the top of the existing Eversource antenna, bringing the Proposed Facility to a total height of approximately 52 feet AGL. All associated cabling would follow the same route as the existing cabling and all equipment would be housed within the Work Center building. *See Figure 2, Detailed Site Map and Attachment 1, Project Plans (Rev. 0 dated March 19, 2020).*

Specifications for the Company's new antenna are included in Attachment 2, *Antenna Specifications*. The Company would install its radio equipment and electrical power supply connections inside the existing Work Center building.

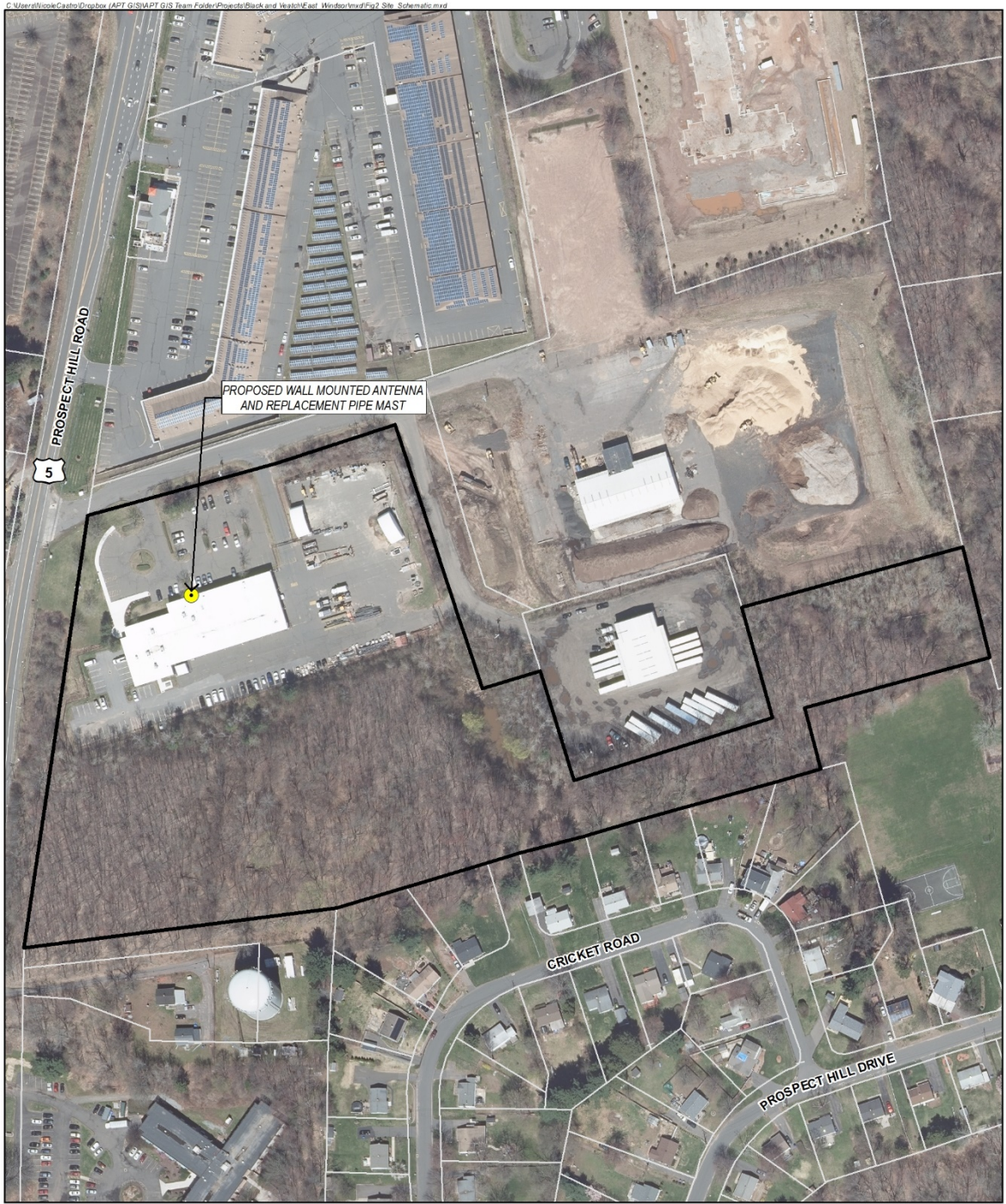
Table 1, *Antenna Schedule* summarizes the antenna type and vertical location proposed on the new pole.

TABLE 1 - ANTENNA SCHEDULE

Antenna Type	Antenna Make/Model	Antenna Center Line Elevation (ft. AGL)	Comments	Frequency
24' – 3" Omni	DB Spectra DS2C03F36D	±38.0	Eversource	217 MHz
4' – 4" Omni	Commscope DB586	±36.0	Eversource	936.9125 MHz
5' – 0" Omni	Telewave ANT150F2	±30.0	Eversource	154 MHz

For additional elevation information and location drawings of the proposed installation, please refer to the *Project Plans* in Attachment 1.

The new mast has been designed to support the existing antennas and the new antenna. The structural analysis is included in Attachment 3, *Structural Analysis Report*, which was completed by Black & Veatch on March 24, 2020.



Legend

- Proposed Wall Mounted Antenna and Replacement Pipe Mast
- Subject Property
- Approximate Parcel Boundary

Map Notes:
Base Map Source: 2019 CT ECO Imagery
Map Scale: 1 inch = 200 feet
Map Date: June 2020

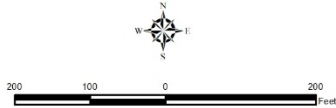


Figure 2 Site Schematic

Proposed Communications Facility
East Windsor AWC
112 Prospect Hill Road
East Windsor, CT



D. Environmental Discussion

The Site is fully developed, and the Proposed Facility will be constructed entirely on the façade of and within the existing building. As described below, the Proposed Facility would not have a substantial adverse environmental effect.

1) Wetlands and Watercourses

No wetlands are located within or immediately adjacent to the proposed work activities. The nearest wetland area is located in the eastern portion of the Site. Construction activities for the Proposed Facility would occur approximately 385 feet northwest of the wetland boundary. Site wetlands are depicted on Figure 2, *Detailed Site Map* and described in Attachment 4, *Wetland Desktop Review*.

2) Soil Erosion, Sediment Control, and Soil Remediation

No ground disturbance would be associated with the installation of the proposed replacement mast and new antenna. Therefore, soil erosion is not anticipated.

3) Wildlife and Vegetation

The Proposed Facility is not likely to have an adverse effect on wildlife or vegetation. There will be no ground disturbance for the installation of the replacement mast and antenna. All appurtenant equipment would be located inside the existing Work Center building. The Site is currently developed with the Work Center, access drive and storage yard. The additional development proposed for the Site is considered minor and would not result in an adverse impact to wildlife.

No migratory bird species are anticipated to be impacted by the Project. The Proposed Facility is not proximate to any Important Bird Area (“IBA”); the nearest IBA, Bradley International Airport in Windsor Locks, CT, is located approximately 3.5 miles to the west. Further, the design and siting of the proposed Facility would comply with the U.S. Fish and Wildlife Service (“USFWS”) guidelines for minimizing potential impacts to bird species.

According to the available Connecticut Department of Energy & Environmental Protection (“DEEP”) Wildlife Division Natural Diversity Data Base (“NDDB”) maps, the Proposed Facility is not located within a shaded NDDB buffer area. The nearest NDDB buffer area is located approximately 0.4-mile to the north. Since the NDDB buffer area is located more than 0.25-mile from the Proposed Facility, consultation with DEEP is not required in

accordance with the Council's review. A copy of the USFWS and NDDB memorandum prepared by All-Points Technology Corporation, P.C. is included in Attachment 5, *USFWS-NDDB Memo*.

One federally-listed threatened species is known to occur in the vicinity of the Site, documented as the northern long-eared bat ("NLEB"; *Myotis septentrionalis*). NLEB's range encompasses the entire State of Connecticut. Based on publicly-available data, the Site is not within 150 feet of a known occupied maternity roost tree and is not within 0.25 mile of a known NLEB hibernaculum. The nearest NLEB habitat resource is a hibernaculum located in East Granby ± 6.5 miles to the northwest of the Site. The Proposed Facility would not require the removal of any trees. Based on this information, the Project is not likely to adversely affect NLEB.

4) Noise

No noise audible to locations beyond the Site boundaries would be emitted by the Proposed Facility. Electrical components and other supporting telecommunication equipment will be installed within the control house building. As a result, noise emissions would be consistent with present day levels.

5) Safety and Health

The Proposed Facility would not create any safety or health hazards to persons or property. Eversource does not anticipate the need for specific traffic control measures during construction on the Site or equipment and materials delivery. Subsequent to completion of construction, the Proposed Facility would not generate any traffic to the area other than continued periodic maintenance visits.

Radio signal emissions from the Proposed Facility after installation on the Site would not exceed the total radio-frequency ("RF") electromagnetic power density level permitted by the Federal Communications Commission ("FCC"). To ensure compliance with the applicable standard, the Company commissioned C Squared Systems to conduct RF power density calculations for the proposed installation using site-specific data and the methodology prescribed by the FCC's Office of Engineering and Technology Bulletin No. 65, Edition 97-01 (August 1997). The calculations indicate that the cumulative power density level for the proposed Facility would be 19.17% of the FCC Standard for public exposure to RF emissions. Please refer to Attachment 6, *Calculated Radio Frequency Emissions Report*,

dated November 21, 2019, for a description of the methodology and calculations.

6) Visual

The size and style of the Proposed Facility would not result in a substantial change to existing conditions nor would it have a significant adverse visual impact on the environment or character of the community. The Proposed Facility is a replacement pipe mast with a new omni-directional antenna being installed, bringing the total height of the facility to 52 feet AGL. The Work Center is shielded from Prospect Hill Road to the south by mixed deciduous trees. Views from the north on Prospect Hill Road in the commercial areas near Prospect Hill Road and CT Route 140 will not change substantially due the slim profile of the omni-directional antenna. Photo-simulations have been produced to provide a visual representation of the proposed Facility from the Site and on Prospect Hill Road; please refer to *Attachment 7, Photo Simulations*.

7) Historical and Archaeological Resources

APT conducted a review of relevant historic and archaeological information on file with the Connecticut State Historic Preservation Office (“SHPO”) to determine whether the Project area holds potential significance. No historic properties previously listed or deemed eligible for the National Register of Historic Places were identified within the Area of Potential Effect (“APE” – in this instance, 0.5 mile).

Similarly, no archaeological or cultural resources were identified on or proximate to the Site. The Project area has been thoroughly disturbed and no intact soils remain. Thus, this area retains no potential to yield intact prehistoric or historic period cultural deposits. Regardless, there is no ground disturbance associated with the Project. Please refer to *Attachment 8, Cultural Resources Screen*.

8) Forests and Parks

The Site contains no areas of recreation or public interest administered by any federal, state, local, or private agencies. No State or locally-designated scenic roads or other scenic areas are located proximate to the Proposed Facility. Prospect Hill Park is located approximately 0.18-mile southeast of the proposed Facility. No views are anticipated from this location. The locations of non-residential development and other resources within one mile of the Site are listed in Table 2 on the following page and depicted on Figure 3, *Surrounding Features Map*.

9) Physical Environmental Effects

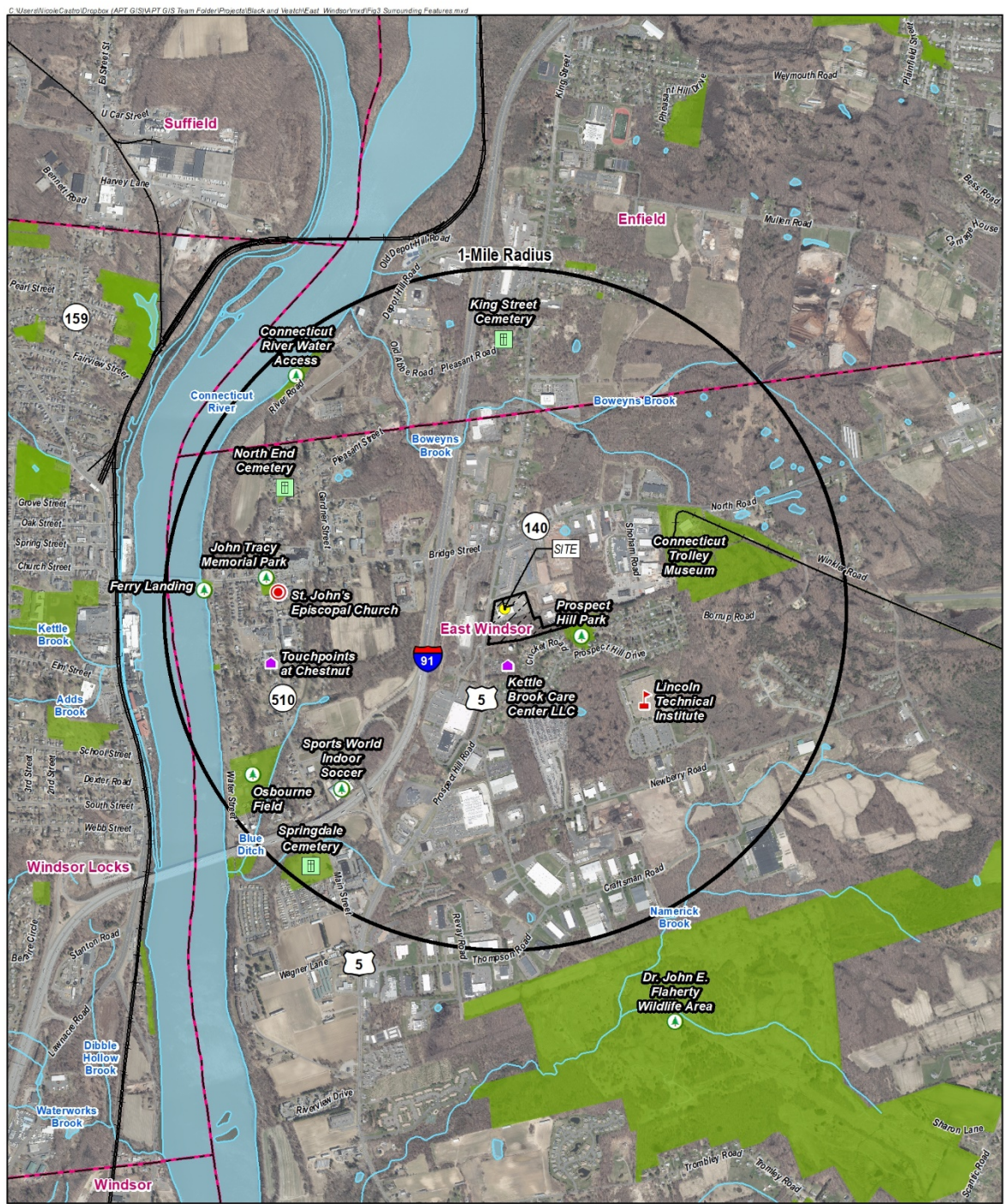
Construction and operation of the Proposed Facility would not involve a significant alteration in the physical or environmental characteristics of the Site or the surrounding area. Development of the Proposed Facility requires no earthwork or clearing of trees. Coaxial cables would be routed into the existing Work Center building to the interior supporting equipment. Vehicular access to the Company's Work Center would not change in any way. No new underground connections would be required for the Proposed Facility.

10) Federal Aviation Administration ("FAA") Registration

Based on the results of TOWAIR determination conducted on January 28, 2020 the Proposed Facility requires registration with the FAA. Eversource has submitted the appropriate documentation. The FAA determined that the Proposed Facility would present no hazard to air navigation. A copy of the FAA determination can be found in Attachment 9, *FAA Determination*.

Table 2: SURROUNDING FEATURES WITHIN 1 MILE OF THE SITE

Resource Type	Name	Address	Distance from Site
Daycare	None		
Community Center	None		
Senior Center	Kettle Brook Care Center	96 Prospect Hill Road, East Windsor, CT	0.15 Mile S
	Touchpoints at Chestnut	171 Main Street, East Windsor, CT	0.68 Mile SW
Airport	None		
Hospital	None		
School	Lincoln Technical Institute	97 Newberry Road, East Windsor, CT	0.39 Mile SE
Park / Recreational	Prospect Hill Park	1 Broadview Lane, East Windsor, CT	0.18 Mile E
	Sports World Indoor Soccer	226 Main Street, East Windsor, CT	0.69 Mile SW
	Osbourne Field	192 S Water Street, East Windsor, CT	0.78 Mile SW
National Register of Historic Places	St. John's Episcopal Church	92 Main Street, East Windsor, CT	0.65 Mile W
Youth Camp	None		



Legend

- Yellow dot: Proposed Wall Mounted Antenna and Replacement Pipe Mast
- Black circle: 1-mile Radius
- Red dot: Subject Property
- Pink dashed line: Municipal Boundary
- Blue line: Open Water (CTDEEP)
- Green circle: Open Space Property (CTDEEP)
- Green square: Open Space Property (CTDEEP)

Map Notes:
 Base Map Source: 2019 CT ECO Imagery
 Map Scale: 1:24,000
 Map Date: June 2020

Surrounding Features

- Green triangle: Park / Recreation / Open Space
- Red dot: National Register of Historic Places Property
- Red flag: School
- Purple dot: Health Care/Nursing Home
- Green square: Cemetery

2,000 1,000 0 2,000 Feet

Figure 3
Surrounding Features
 Proposed Communications Facility
 East Windsor AWC
 112 Prospect Hill Road
 East Windsor, CT



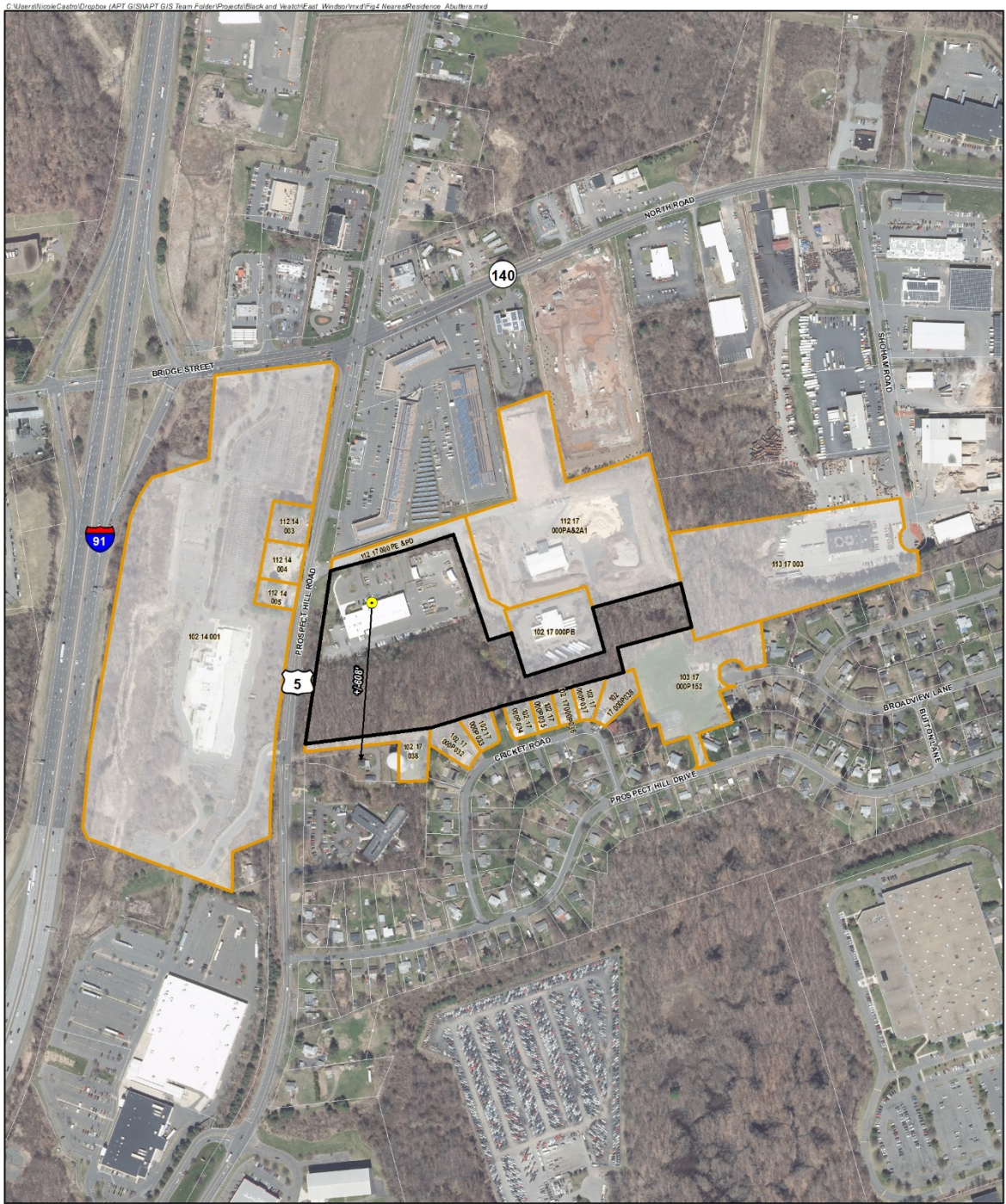
11) Location of Nearest Residence

The Site is accessed from Prospect Hill Road, which is developed with both residential parcels and commercial businesses. The nearest residential property to the Site is located approximately 608 feet to the south at 102 Prospect Hill Road. See Figure 4, *Nearest Residence*.

Property owners whose property directly abuts the Site were served notice of this Petition concurrent with its submission to the Council. Those abutters are listed on Figure 4 and are included in Table 3, *Direct Abutters* below.

TABLE 3 – DIRECT ABUTTERS

Parcel Number	Owner Name	Site Address	Town	State
103 17 000P152	EAST WINDSOR TOWN OF	1 BROADVIEW LN	EAST WINDSOR	CT
102 17 000P032	ROSSI ANTHONY & RALPH A	13 CRICKET RD	EAST WINDSOR	CT
102 17 000P033	TIGNER STEFANIE K & CHELSEA A	15 CRICKET RD	EAST WINDSOR	CT
102 17 000P034	BENOIT DAWN V & MICHAEL J SURV	17 CRICKET RD	EAST WINDSOR	CT
102 17 000P035	LOVELAND ANN MARIE	19 CRICKET RD	EAST WINDSOR	CT
102 17 000P036	LEBLANC LIONEL & HUGUETTE	21 CRICKET RD	EAST WINDSOR	CT
102 17 000P037	CONGELOSI ANTHONY J	23 CRICKET RD	EAST WINDSOR	CT
102 17 000P038	GENTILE ROBERT W & MARGARET R	25 CRICKET RD	EAST WINDSOR	CT
102 17 038	CONN WATER CO	104 PROSPECT HILL RD	EAST WINDSOR	CT
112 17 000PE &PD	113 PROSPECT LLC	PROSPECT HILL RD	EAST WINDSOR	CT
112 17 000PA&2A1	CRANE PROPERTIES LLC	118 PROSPECT HILL RD	EAST WINDSOR	CT
102 17 000PB	ZUMSTEIN LAND DEVELOPMENT COMPANY	116 PROSPECT HILL RD	EAST WINDSOR	CT
112 14 005	MMCT VENTURE LLC	113 PROSPECT HILL RD	EAST WINDSOR	CT
112 14 004	MMCT VENTURE LLC	115 PROSPECT HILL RD	EAST WINDSOR	CT
112 14 003	MMCT VENTURE LLC	119 PROSPECT HILL RD	EAST WINDSOR	CT
102 14 001	MMCT VENTURE LLC	105 PROSPECT HILL RD	EAST WINDSOR	CT
113 17 003	TRI-KR REALTY LLC	16 SHOHAM RD	EAST WINDSOR	CT



- Legend**
- Proposed Wall Mounted Antenna and Replacement Pipe Mast
 - Subject Property
 - Abutting Property
 - Approximate Parcel Boundary

Map Notes:
 Base Map Source: 2019 CT ECO Imagery
 Map Scale: 1 inch = 500 feet
 Map Date: June 2020

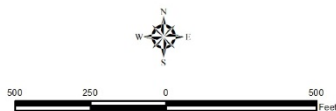


Figure 4
Abutters Map & Nearest Residence

Proposed Communications Facility
 East Windsor AWC
 112 Prospect Hill Road
 East Windsor, CT



E. Schedule

Construction of the Proposed Facility would begin as soon as practical after issuance of the requested declaratory ruling by the Council and would be approximately two weeks in duration. Eversource anticipates that construction would be completed in 2020.

F. Conclusion

Connecticut General Statutes Section 16-50k(a) provides that a Certificate of Environmental Compatibility and Public Need is needed for a proposed installation of a facility that the Council determines would have a "substantial adverse environmental effect." Based on this evaluation of the environmental effects of the Proposed Facility, Eversource respectfully submits that the installation of the Proposed Facility would not result in a substantial adverse effect on the environment or ecology, nor would it damage existing scenic, historical or recreation values.

Accordingly, Eversource requests that the Council issue a declaratory ruling that no Certificate is required because the Proposed Facility would not have a substantial adverse environmental effect.

G. Communications with Company

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

Kathleen M. Shanley
Eversource Energy
56 Prospect Street
Hartford, CT 06103
Telephone: (860) 728-4527

EVERSOURCE ENERGY by:



Kathleen M. Shanley

Attachments

- | | |
|---------------------------|-----------------------------|
| 1. Site Plans | 6. Power Density Report |
| 2. Antenna Specifications | 7. Photographic Simulations |
| 3. Structural Analysis | 8. Cultural Resource Screen |
| 4. Wetland Desktop Review | 9. FAA Determination |
| 5. USFWS-NDDB Memo | 10. Certification of Notice |