

**PROJECT REVIEW COVER FORM**

This is:  a new submittal  supplemental information  other      Date Submitted: \_\_\_\_\_

**PROJECT INFORMATION**

Project Name: \_\_\_\_\_

Project Proponent: \_\_\_\_\_  
The individual or group sponsoring, organizing, or proposing the project.

Project Street Address: \_\_\_\_\_  
Include street number, street name, and or Route Number. If no street address exists give closest intersection.

City or Town: \_\_\_\_\_ County: \_\_\_\_\_  
Please use the municipality name and **not** the village or hamlet.

**PROJECT DESCRIPTION**

Describe the overall project in detail. As applicable, provide any information regarding past land use, project area size, renovation plans, demolitions, and/or new construction. Note if this will included in a separate attachment:

\_\_\_\_\_

\_\_\_\_\_

List all state and federal agencies involved in the project and indicate the funding, permit, license or approval program pertaining to the proposed project:

Agency Type	Agency Name	Program Name
<input type="checkbox"/> State <input type="checkbox"/> Federal		
<input type="checkbox"/> State <input type="checkbox"/> Federal		
<input type="checkbox"/> State <input type="checkbox"/> Federal		
<input type="checkbox"/> State <input type="checkbox"/> Federal		

If there is no state or federal agency involvement, please state the reason for your review request:

\_\_\_\_\_

**FOR SHPO USE ONLY**

Based on the information submitted to our office for the above named property and project, it is the opinion of the Connecticut State Historic Preservation Office that no historic properties will be affected by the proposed activities.\*

Mary Dunne/Catherine Labadia

Date

Deputy State Historic Preservation Officer

\*All other determinations of effect will result in a formal letter from this office

**PROJECT REVIEW COVER FORM**

**CULTURAL RESOURCES IDENTIFICATION**

Background research for previously identified historic properties within a project area may be undertaken at the SHPO’s office. To schedule an appointment, please contact Catherine Labadia, 860-500-2329 or [Catherine.labadia@ct.gov](mailto:Catherine.labadia@ct.gov). Some applicants may find it advantageous to hire a qualified historic preservation professional to complete the identification and evaluation of historic properties.

Are there any historic properties listed on the State or National Register of Historic Places within the project area?

Yes    No    Do Not Know   **If yes, please identify:** \_\_\_\_\_

**Architecture**

Are there any buildings, structures, or objects within the project area (houses, bridges, barns, walls, etc.)?

- Yes (attach clearly labelled photographs of each resource and applicable property cards from the municipality assessor)
- No (proceed to next section)

Are any of the buildings, structures or objects greater than 50 years old?    Yes    No    Do Not Know

If the project involves rehabilitation, demolition, or alterations to existing buildings older than 50 years, provide a work plan (If window replacements are proposed, provide representative photographs of existing windows).

**Archeology**

Does the proposed project involve ground disturbing activities?

- Yes (provide below or attach a description of current and prior land use and disturbances. Attach an excerpt of the soil survey map for the project area. These can be created for free at: <https://websoilsurvey.nrcs.usda.gov>)
- \_\_\_\_\_
- No

**CHECKLIST** (Did you attach the following information?)

<p style="text-align: center;">Required for all Projects</p> <input type="checkbox"/> Completed Form <input type="checkbox"/> Map clearly labelled depicting project area <input type="checkbox"/> Photographs of current site conditions <input type="checkbox"/> Site or project plans for new construction	<p style="text-align: center;">Required for Projects with architectural resources</p> <input type="checkbox"/> Work plans for rehabilitation or renovation <input type="checkbox"/> Assessor’s Property Card <p style="text-align: center;">Required for Projects with ground disturbing activities</p> <input type="checkbox"/> Soil survey map
<p>Suggested Attachments, as needed</p> <input type="checkbox"/> Supporting documents needed to explain project <input type="checkbox"/> Supporting documents identifying historic properties <input type="checkbox"/> Historic maps or aerials (available at <a href="http://magic.lib.uconn.edu">http://magic.lib.uconn.edu</a> or <a href="https://www.historicaerials.com/">https://www.historicaerials.com/</a> )	

**PROJECT CONTACT**

Name: \_\_\_\_\_ Firm/Agency: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

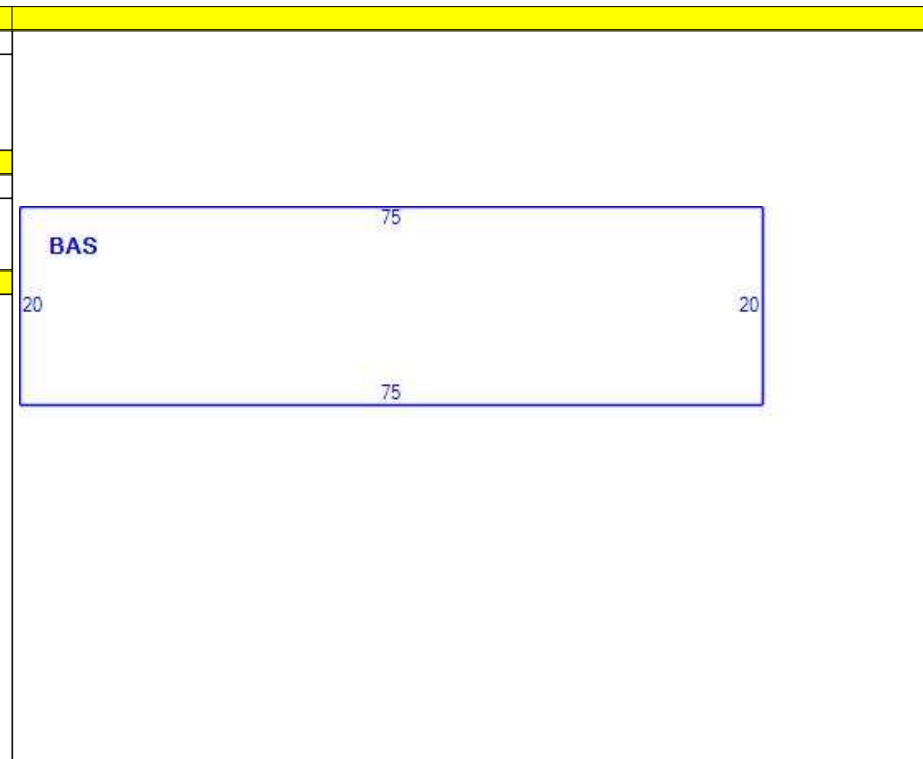
Federal and state laws exist to ensure that agencies, or their designated applicants, consider the impacts of their projects on historic resources. At a minimum, submission of this completed form with its attachments constitutes a request for review by the Connecticut SHPO. The responsibility for preparing documentation, including the identification of historic properties and the assessment of potential effects resulting from the project, rests with the federal or state agency, or its designated applicant. The role of SHPO is to review, comment, and consult. SHPO’s ability to complete a timely project review largely depends on the quality of the materials submitted. Please mail the completed form with all attachments to the attention of Environmental Review at the address above. Electronic submissions are not accepted at this time.

CURRENT OWNER		TOPO	UTILITIES	STRT / ROAD	LOCATION	CURRENT ASSESSMENT				6015 BRIDGEPORT, CT							
Description		Code	Appraised	Assessed													
UNITED ILLUMINATING CO						Util Land	4-1	128,140	89,700	<b>VISION</b>							
ATTN: TAX DEPARTMENT						Util Bldg	4-2	54,440	38,110								
180 MARSH HILL RD						Util Outbl	4-3	5,140	3,600								
<b>SUPPLEMENTAL DATA</b>						Total		187,720	131,410								
ORANGE CT 06477		Alt Prcl ID 2600--07-----	Census Tr CEN727	Heart Abstract 400:400	Freeze	Special Dis	Assoc Pid#										
<b>RECORD OF OWNERSHIP</b>		<b>BK-VOL/PAGE</b>	<b>SALE DATE</b>	<b>Q/U</b>	<b>V/I</b>	<b>SALE PRICE</b>	<b>VC</b>	PREVIOUS ASSESSMENTS (HISTORY)									
UNITED ILLUMINATING CO		1226 0092	09-21-1961	U	I	0		Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed	
								2018	4-1	89,700	2017	4-1	89,700	2016	4-1	89,700	
									4-2	38,110		4-2	38,110		4-2	38,110	
									4-3	3,600		4-3	3,600		4-3	3,600	
								Total		131410	Total		131410	Total		131410	
EXEMPTIONS			OTHER ASSESSMENTS				This signature acknowledges a visit by a Data Collector or Assessor										
Year	Code	Description	Amount	Code	Description	Number	Amount	Comm Int									
			0.00														
ASSESSING NEIGHBORHOOD																	
Nbhd	Nbhd Name	B	Tracing	Batch													
020																	
NOTES																	
TRANSFER STATION																	
BUILDING PERMIT RECORD																	
Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments	Date	Id	Type	Is	Cd	Purpost/Result			
2070	12-18-2008	CO	Cert. of Occ.		09-23-2009	100	07-08-2009	C/O # 14854 FENCE	09-23-2009	RK	02		P	Permit Activity			
									10-10-2008	AD			91	Com Field Review			
									08-15-2008	JB			06	Measured/Vacant			
									06-30-1999	RK			B	Measured Exterior Only			
									05-07-1991	KC			A	Inside Inspection			
LAND LINE VALUATION SECTION																	
B	Use Code	Description	Zone	Land Type	Land Units	Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nbhd Adj	Notes	Location Adjustment	Adj Unit Pric	Land Value		
1	400	Pub Utility	RA		33,745 SF	2.24	1.13000	5	1.00	2080	1.500			0	3.80	128,140	
Total Card Land Units					0.775	AC	Parcel Total Land Area: 0.7747					Total Land Value					128,140

CONSTRUCTION DETAIL			CONSTRUCTION DETAIL (CONTINUED)		
Element	Cd	Description	Element	Cd	Description
Style:	40	Industrial			
Model	96	Ind/Comm			
Grade:	08	Average			
Stories:	1				
Occupancy:	1.00				
Exterior Wall 1:	20	Brick			
Exterior Wall 2:					
Roof Struct:	01	Flat			
Roof Cover:	04	Tar + Gravel			
Interior Wall 1:	01	Minim/Masonry			
Interior Wall 2:					
Interior Floor 1:	03	Concr-Finished			
Interior Floor 2:					
Heating Fuel:	01	None			
Heating Type:	01	None			
AC Type:	03	Central			
Bldg Use:	400	Pub Utility			
Ttl Rooms:					
Ttl Bedrms:	00				
Ttl Baths:	0				
Ttl Half Baths:	0				
Ttl Xtra Fix:	0				
Heat/AC:	02	Heat/Ac Split			
Frame Type:	03	Masonry			
Baths/Plumbing	02	Average			
Ceiling/Wall:	00	None			
Rooms/Prtns:	02	Average			
Wall Height:	12.00				
% Conn Wall:					
1st Floor Use:					

OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)										
Code	Description	L/B	Units	Unit Price	Yr Blt	Cond. Cd	% Good	Grade	Grade Adj	Appr. Value
LT	Light	L	1	3540.00	1998		50		0.00	1,770
FN	Fence	L	432	26.00	1998		30		0.00	3,370
FN5	Fence 10'	L		20.00	2009		50		0.00	0

BUILDING SUB-AREA SUMMARY SECTION							
Code	Description	Living Area	Floor Area	Eff Area	Unit Cost	Undeprec Value	
BAS	First Floor	1,500	1,500	1,500	55.84	83,760	
Ttl Gross Liv / Lease Area		1,500	1,500	1,500		83,760	



Existing Substation Control Room





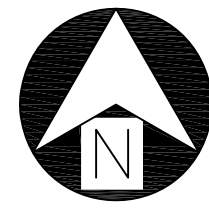
### BRIDGEPORT SUBSTATION SOIL TYPES

Soil ID	Soil Series	Hydric	Parent Material	Drainage Class
3	Ridgebury, Leicester, and Whitman soils, extremely stony	Hydric	Lodgement Till	Poorly drained
17	Timakwa and Natchaug soils	Hydric	Shallow Organic - Inland	Very poorly drained
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	Other	Melt-out Till	Well drained
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	Other	Melt-out Till - Shallow to Bedrock	Well drained
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	Other	Melt-out Till - Shallow to Bedrock	Well drained
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	Not Rated	Urban Influenced	Well drained
273E	Urban land-Charlton-Chatfield complex, rocky, 15 to 45 percent slopes	Not Rated	Urban Influenced	Well drained
275C	Urban land-Chatfield complex, rocky, 3 to 15 percent slopes	Not Rated	Urban Influenced	Well drained
306	Udorthents-Urban land complex	Other	Urban Influenced	Well drained
W	Water	Water	Water	Water

- 1,000 FOOT BUFFER
- PROJECT AREA PARCELS
- PARCELS
- BRIDGEPORT CITY BOUNDARY

Source: Connecticut Department of Energy and Environmental Protection (CT DEEP)  
 GIS Data, USDA, Natural Resources Conservation Service (NRCS)





Please Note that the transformers that are circled are the ones that are to be installed. The grey equipment is for future installation and substation expansion.

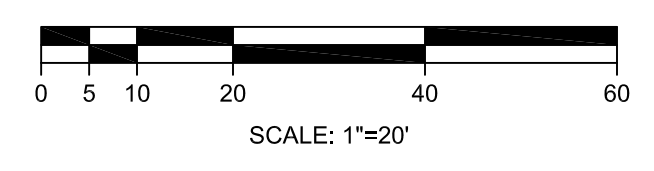
- LEGEND**
- BUS CONNECTION OR JOINT
  - ▲ MOBILE TRANSFORMER TAP
  - LOW BUS SUPPORT WITH A-FRAME
  - ⊙ COUPLING CAPACITOR VOLTAGE TRANSFORMER
  - ⊥ BUS GROUNDING STUD
  - ⊙ LIGHTNING MAST
  - ⊙ SURGE ARRESTER
  - M ▶ DISCONNECT SWITCH MOTOR OPERATOR
  - G ▶ DISCONNECT SWITCH GROUNDING SWITCH OPERATOR
  - ▶ DISCONNECT SWITCH MANUAL OPERATOR

- ▭ TRENCH (PRIMARY)
- ▭ TRENCH (PRIMARY FUTURE)
- ▭ TRENCH (SECONDARY)
- DISTRIBUTION DUCTBANK

- INSTALL
- FUTURE
- EXISTING

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION

**INSTALL**  
CONCEPTUAL DRAWING  
NO CHANGES TO RECORD DOCUMENT



PE Stamp <b>AVANGRID ENGINEERING</b> CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION Property of AVANGRID						<b>SITE PLAN ARRANGEMENT</b> SHEET 1 OF 2	
0-0D	6/25/2019	VJP	REVISED PER COMMENTS	FA	<b>OLD TOWN BRIDGEPORT</b>		
0-0C	6/17/2019	VJP	TRENCH, CONDUIT & DISTRIBUTION DUCTBANK ADDED	RJS	DR. VJP SCALE: 1" = 20' FILE: SK-25233-2-01.DWG		
0-0B	5/6/2019	VJP	REVISED PER COMMENTS	RJS	CK. RJS NO.		
0-0F	7/29/2019	VJP	REVISED PER COMMENTS	RJS	APP. AJO		
0-0E	7/8/2019	VJP	SUBSTATION REBUILD - OPTION #4	FA	DATE: 9/26/2018		
REV.	DATE	BY	DESCRIPTION	APP.	SK-25233-003-001 SH1 0		

ANSI D CADD Drawing, DO NOT REVISE MANUALLY.



Department of Economic and  
Community Development

State Historic Preservation Office

January 16, 2020

Mr. Ken Livingston  
Fitzgerald & Halliday, Inc.  
416 Asylum Street  
Hartford, CT 06103

Subject: Cultural Resource Reconnaissance Survey  
Old Town Substation Rebuild Project  
280, 312, 330 Kaechele Place  
Bridgeport, Connecticut  
ENV-20-0315

Dear Mr. Livingston:

The State Historic Preservation Office (SHPO) has reviewed the cultural resource review prepared by Heritage Consultants, LLC (Heritage), dated May 11, 2018, and by Fitzgerald & Haliday, Inc. (Fitzgerald & Haliday), dated November 4, 2019, respectively. The proposed activities are under the jurisdiction of the Connecticut Siting Council and require permitting from the Connecticut Department of Energy and Environmental Protection and therefore, are subject to review by this office pursuant to the Connecticut Environmental Policy Act (CEPA). The proposed activities includes the expansion and rebuild of an existing electrical substation, located at 280 Kaechele Place, Bridgeport, Connecticut. The proposed rebuild will expand the substation north and east into adjoining parcels, with the compound measuring approx. 270 feet by 380 feet. Construction activities include tree removal, construction of retaining walls along the north, east, and southern boundaries of the compound, erection of chain-link fencing around the entire complex, and construction of a new control house, to be located in the northeast portion of the Project Area. The existing control house is proposed to be demolished following completion of the new one. Existing transformers, distribution equipment, and transmission tower are to remain.

The cultural resource review conducted by Heritage included consisted of a review of literature to identify previously completed cultural resource surveys and recorded sites, review of historic maps, and pedestrian survey of the study area. No previously identified archaeological sites or properties listed or determined eligible for listing in the National Register of Historic Places are located within 0.5 mile of the project area. The Merritt Parkway (NR# 91000410), is located just outside 0.5 miles from the Project Area; however, it will not be impacted by the undertaking.

State Historic Preservation Office

450 Columbus Boulevard, Suite 5 | Hartford, CT 06103 | P: 860.500.2300 | DECD.org

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Department of Economic and  
Community Development

State Historic Preservation Office

The pedestrian survey identified stone features related to a former residence, constructed between c. 1948, and do not appear eligible for Listing on the National Register.

Similarly, the cultural resource review conducted by Fitzgerald & Haliday included literature and file review, review of historic maps, and pedestrian survey. The survey did not identify any above ground resources within a 0.25 mile radius of the Project Area, and did not recommend any as being potentially eligible for listing on either the State or National Register.

As a result of the information submitted, SHPO concurs with the findings of the report that additional archeological investigations of the project areas are not warranted and that no historic properties will be affected by the proposed activities. However, please be advised that if construction plans change to include previously uninvestigated/undisturbed areas, SHPO should be contacted for additional consultation.

This office appreciates the opportunity to review and comment upon this project. For additional information, please contact Marena Wisniewski, Environmental Reviewer, at (860) 256-2754 or [marena.wisniewski@ct.gov](mailto:marena.wisniewski@ct.gov).

Sincerely,

A handwritten signature in blue ink that reads "Mary B. Dunne". The signature is fluid and cursive.

Mary B. Dunne  
State Historic Preservation Officer

State Historic Preservation Office

450 Columbus Boulevard, Suite 5 | Hartford, CT 06103 | P: 860.500.2300 | [DECD.org](http://DECD.org)

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NATURAL DIVERSITY DATA BASE (NDDB) REQUEST

FOR

OLD TOWN SUBSTATION REBUILD PROJECT

PROJECT NO. UNI3999.EE

THE UNITED ILLUMINATING COMPANY

180 MARSH HILL ROAD

ORANGE, CT 06505

280/312/330 KAECEHELE PLACE

BRIDGEPORT, CT 06606

SUBMITTED TO:

CENTRAL PERMIT PROCESSING UNIT

CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

BUREAU OF NATURAL RESOURCES

79 ELM STREET

HARTFORD, CT 06106

DATE:

OCTOBER 1, 2019



NDDDB REQUEST

OLD TOWN SUBSTATION REBUILD PROJECT

PROJECT NO: UNI3999.EE

280/312/330 KAEICHELE PLACE

<b><u>ATTACHMENT</u></b>	<b><u>SECTION</u></b>	<b><u>NO. PAGES</u></b>
ATTACHMENT A	REQUEST FOR NATURAL DIVERSITY DATA BASE (NDDDB) REVIEW	6 pages
ATTACHMENT B	OVERVIEW MAP	1 page
ATTACHMENT B	DETAILED SITE MAP	1 page
ATTACHMENT C	SUPPLEMENTAL INFORMATION	6 pages
	• EXISTING CONDITIONS PLAN	
	• SITE PHOTOGRAPHS	
	• ANNOTATED SITE PLAN	
ATTACHMENT D	SAFE HARBOR REQUEST ( <i>Not Applicable</i> )	N/A
ATTACHMENT E	NATURAL DIVERSITY DATA BASE AREA – BRIDGEPORT	1 page



Connecticut Department of  
 Energy & Environmental Protection  
 Bureau of Natural Resources  
 Wildlife Division

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	No fee required
Program:	Natural Diversity Database Endangered Species
Hardcopy	_____ Electronic _____

## Request for Natural Diversity Data Base (NDDDB) State Listed Species Review

Please complete this form in accordance with the [instructions](#) (DEEP-INST-007) to ensure proper handling of your request.

**There are no fees associated with NDDB Reviews.**

### Part I: Preliminary Screening & Request Type

<p>Before submitting this request, you must review the most current Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the <a href="#">DEEP website</a>. These maps are updated twice a year, usually in June and December.</p> <p>Does your site, including all affected areas, fall in an NDDB Area according to the map instructions:  <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No    <b>Enter the date</b> of the map reviewed for pre-screening: <u>June 2019</u></p>	
This form is being submitted for a :	
<input checked="" type="checkbox"/> <b>New NDDB request</b> <input type="checkbox"/> <b>Renewal/Extension of a NDDB Request, <i>without modifications and within two years of issued NDDB determination</i></b> (no attachments required)  <small>[CPPU Use Only - NDDB-Listed Species Determination # 1736]</small>	<input type="checkbox"/> <b>New Safe Harbor Determination</b> (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities  <input type="checkbox"/> <b>Renewal/Extension of an existing Safe Harbor Determination</b> <input type="checkbox"/> With modifications <input type="checkbox"/> Without modifications (no attachments required)  <small>[CPPU Use Only - NDDB-Safe Harbor Determination # 1736]</small>
Enter NDDB Determination Number for Renewal/Extension:	Enter Safe Harbor Determination Number for Renewal/Extension:

## Part II: Requester Information

*\*If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the name shall be stated **exactly** as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of the State's database CONCORD. ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))*

*If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*

*If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the [Request to Change company/Individual Information](#) to the address indicated on the form.*

### 1. Requester\*

Company Name: **The United Illuminating Company**

Contact Name: **Todd Berman**

Address: **180 Marsh Hill Rd**

City/Town: **Orange**

State: **CT**

Zip Code: **06505**

Business Phone: **203-926-4729**

ext.

\*\*E-mail: **todd.berman@uinet.com**

\*\*By providing this email address you are agreeing to receive official correspondence from the department, at this electronic address, concerning this request. Please remember to check your security settings to be sure you can receive emails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes

#### a) Requester can best be described as:

Individual       Federal Agency       State agency       Municipality       Tribal

\*business entity (\* if a business entity complete i through iii):

i) Check type  corporation       limited liability company       limited partnership

limited liability partnership       statutory trust       Other:

ii) Provide Secretary of the State Business ID #: 0159106 This information can be accessed at the Secretary of the State's database (CONCORD). ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))

iii)  Check here if your business is **NOT** registered with the Secretary of State's office.

#### b) Acting as (Affiliation), pick one:

Property owner       Consultant       Engineer       Facility owner       Applicant

Biologist       Pesticide Applicator       Other representative:

### 2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company Name: **HRP Associates**

Contact Person: **Darin Lemire, PE**

Title: **Senior Project Manager**

Mailing Address: **197 Scott Swamp Rd**

City/Town: **Farmington**

State: **CT**

Zip Code: **06032**

Business Phone: **(860) 674-9570**

ext.

\*\*E-mail: **darin.lemire@hrpassociates.com**

**Part III: Site Information**

This request can only be completed for one site. A separate request must be filed for each additional site.

<p><b>1. SITE NAME AND LOCATION</b></p> <p>Site Name or Project Name: <b>Old Town Substation Rebuild Project</b></p> <p>Town(s): <b>Bridgeport</b></p> <p>Street Address or Location Description: <b>312 and 330 Kaechele Place, Bridgeport, CT 06606 - undeveloped parcels adjacent to existing substation</b> <b>280 Kaechele Place, Bridgeport, CT 06606 - existing Old Town Substation</b></p> <p>Size in acres, or site dimensions: <b>3.95-acres total (280, 312, &amp; 330 Kaechele Place)</b></p> <p>Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):</p> <p>Latitude: <b>41.225 N</b> Longitude: <b>73.216 W</b></p> <p>Method of coordinate determination (check one):</p> <p><input type="checkbox"/> GPS    <input type="checkbox"/> Photo interpolation using <a href="#">CTECO map viewer</a>    <input checked="" type="checkbox"/> Other (specify): <b>Google Earth</b></p> <p>2a. Describe the current land use and land cover of the site.</p> <p><b>330 Kaechele Place (2.77-acres) is undeveloped and wooded. 312 Kaechele Place (0.28-acres) is adjacent to 330 Kaechele Place and is undeveloped and wooded. Both properties border the existing Old Town Substation at 280 Kaechele Place (0.9-acres).</b></p> <p>b. Check all that apply and enter the size in acres or % of area in the space after each checked category.</p> <table><tr><td><input checked="" type="checkbox"/> Industrial/Commercial <u>0.9-acres</u></td><td><input type="checkbox"/> Residential _____</td><td><input checked="" type="checkbox"/> Forest <u>3.05-acres</u></td></tr><tr><td><input checked="" type="checkbox"/> Wetland <u>0.48-acres</u></td><td><input type="checkbox"/> Field/grassland _____</td><td><input type="checkbox"/> Agricultural _____</td></tr><tr><td><input type="checkbox"/> Water _____</td><td><input checked="" type="checkbox"/> Utility Right-of-way _____</td><td></td></tr><tr><td><input type="checkbox"/> Transportation Right-of-way _____</td><td><input type="checkbox"/> Other (specify): _____</td><td></td></tr></table>	<input checked="" type="checkbox"/> Industrial/Commercial <u>0.9-acres</u>	<input type="checkbox"/> Residential _____	<input checked="" type="checkbox"/> Forest <u>3.05-acres</u>	<input checked="" type="checkbox"/> Wetland <u>0.48-acres</u>	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____	<input type="checkbox"/> Water _____	<input checked="" type="checkbox"/> Utility Right-of-way _____		<input type="checkbox"/> Transportation Right-of-way _____	<input type="checkbox"/> Other (specify): _____	
<input checked="" type="checkbox"/> Industrial/Commercial <u>0.9-acres</u>	<input type="checkbox"/> Residential _____	<input checked="" type="checkbox"/> Forest <u>3.05-acres</u>										
<input checked="" type="checkbox"/> Wetland <u>0.48-acres</u>	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____										
<input type="checkbox"/> Water _____	<input checked="" type="checkbox"/> Utility Right-of-way _____											
<input type="checkbox"/> Transportation Right-of-way _____	<input type="checkbox"/> Other (specify): _____											

**Part IV: Project Information**

<p><b>1. PROJECT TYPE:</b></p> <p>Choose Project Type: Utility construction/modification , If other describe: _____</p>
<p>2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint?    <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No    If yes, explain.</p>

## Part IV: Project Information (continued)

3. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used. Include a description of steps that will be taken to minimize impacts to any known listed species.

**To improve the reliability of the electric transmission system and service to its customers in the Greater Bridgeport region, UI proposes to rebuild its existing Old Town Substation, a transmission/distribution facility located in the northwestern portion of the City of Bridgeport at 280 Kaechele Place. The existing Old Town Substation, which occupies an approximately 0.9-acre site, has been in service for approximately 50 years. The need for the Project was identified as a result of detailed analyses of the condition of the existing substation, taking into consideration both existing and future requirements for assuring the reliability of the electric system. Overall, the need for the new substation stems from the age of the existing Old Town facility and the fact that most of the station's equipment will need to be replaced in the near future in order to conform to industry and UI standards. The Old Town Substation will be rebuilt on approximately 2.25 acres of UI-owned property; the site will encompass undeveloped UI land located at 312 and 330 Kaechele Place, as well as the existing substation property. The Project also will involve the installation of transmission line connections to the new substation, involving transmission structure replacements on Eversource's existing transmission line rights-of-way (ROW) immediately adjacent to the site, as well as modifications to certain distribution line connections (typically within local streets). After energization of the new substation, the existing substation will be demolished.**

**Typical substation construction activities include excavation, removal of existing wooded conditions, grading and filling, and installation of new equipment. The type of equipment to be used for work would include typical construction equipment including backhoes, bulldozers, bobcats, loaders and dump trucks. To minimize construction related impacts, UI will use standard best management practices. The project will be subject to the General Permit for Stormwater from Construction Activities.**

4. If this is a renewal or extension of an existing Safe Harbor request *with* modifications, explain what about the project has changed.

**N/A**

5. Provide a contact for questions about the project details if different from Part II primary contact.

Name:

Phone:

E-mail:



## Part V: Request Requirements and Associated Application Types

Check *one* box from either Group 1, Group 2 *or* Group 3, indicating the appropriate category for this request.

Group 1. If you check one of these boxes, complete Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit or authorization, with no modifications

**Group 2.** If you check one of these boxes, complete Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit or authorization application or registration
- Request is associated with modification of an existing permit or other authorization
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

**Group 3.** If you are requesting a **Safe Harbor Determination**, complete Parts I-VII and submit required attachments A, B, and D. Safe Harbor determinations can only be requested if you are applying for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

If you are filing this request as part of a state or federal permit application(s) enter the application information below.

Permitting Agency and Application Name(s):

**CT DEEP - General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities**

Related State DEEP Permit Number(s), if applicable: \_\_\_\_\_

State DEEP Enforcement Action Number, if applicable: \_\_\_\_\_

State DEEP Permit Analyst(s)/Engineer(s), if known: \_\_\_\_\_

Is this request related to a previously submitted NDDB request?  Yes  No

If yes, provide the previous NDDB Determination Number(s), if known: \_\_\_\_\_


## Part VI: Supporting Documents

Check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all new requests and Safe Harbor renewals/extensions with modifications.** Renewals/Extensions with no modifications do not need to submit any attachments. Attachments C and D are supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	<b>Overview Map:</b> an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	<b>Detailed Site Map:</b> fine scaled map showing site boundary and area of work details on aerial imagery with relevant landmarks labeled. (Site and work boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	<b>Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C)</b> <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input checked="" type="checkbox"/> Section ii: Supplemental Project Information and supporting documents
<input type="checkbox"/> Attachment D:	<b>Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)</b>

## Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
Signature of Requester (a typed name will substitute for a handwritten signature)	Date
<b>Todd Berman</b>	<b>Environmental Project Manager</b>
Name of Requester (print or type)	Title (if applicable)
	10/7/19
Signature of Preparer (if different than above)	Date
<b>Darin Lemire, PE, CPSWQ, CPESC</b>	<b>Senior Project Manager</b>
Name of Preparer (print or type)	Title (if applicable)

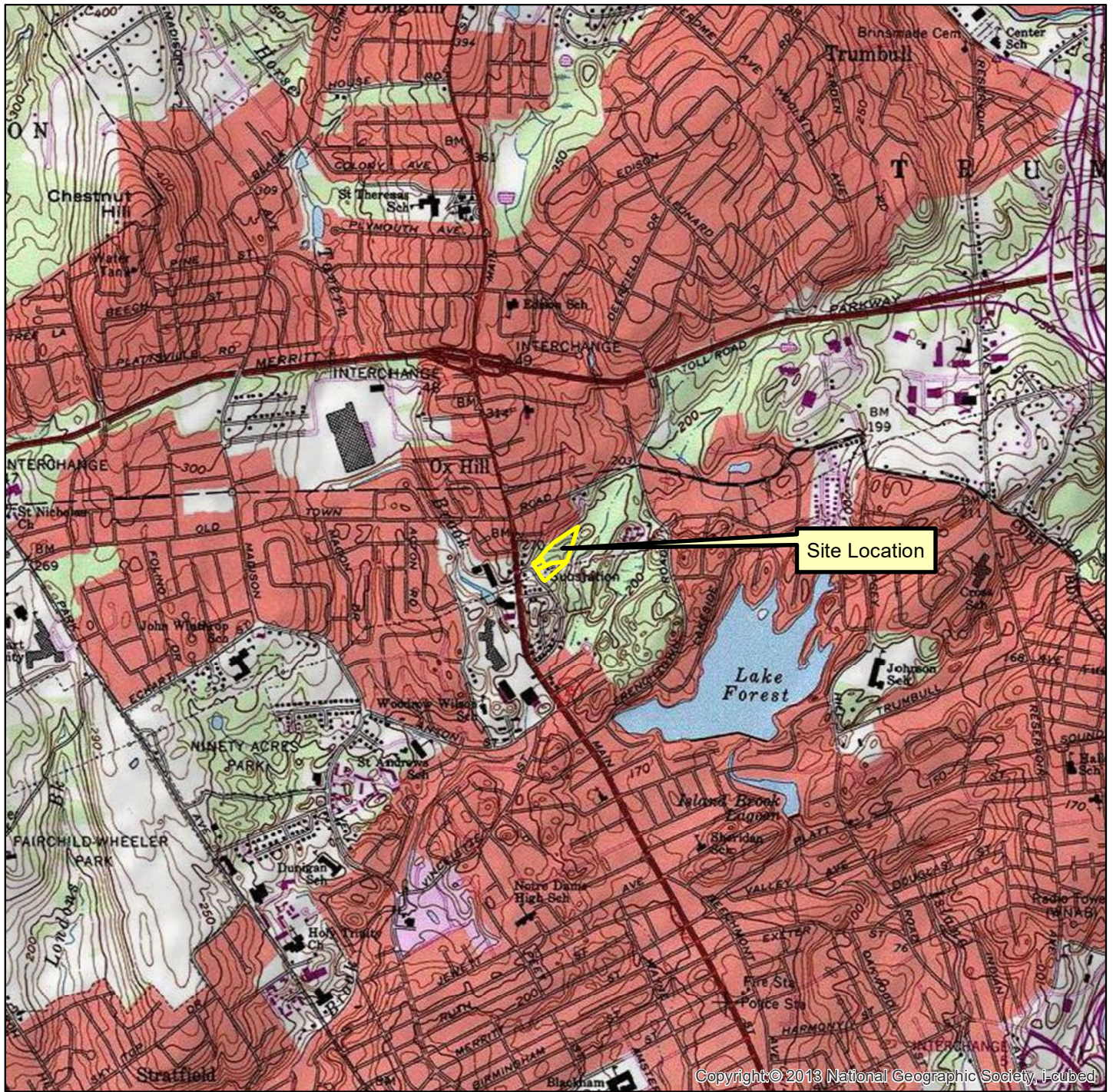
Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

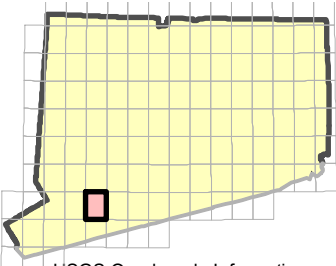
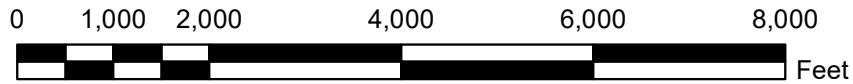
Or email request to: [deep.nddbrequest@ct.gov](mailto:deep.nddbrequest@ct.gov)



ATTACHMENT A  
OVERVIEW MAP



Copyright © 2013 National Geographic Society, Inc.



USGS Quadrangle Information  
 Quad ID: 41073-B2  
 Name: Bridgeport, Connecticut  
 Date Pub: 1985  
 Date Rev: 1982  
 Map Edit: 1

**Figure 1**  
**Site Location**  
**312 & 330 Kaechele Place**  
**Bridgeport, Connecticut**  
**HRP# UNI3999.EE**  
**Scale 1" = 2,000'**



999 ORONOQUE LANE  
 SECOND FLOOR  
 STRATFORD, CT 06614  
 (203) 380-1395  
 HRPASSOCIATES.COM



ATTACHMENT B  
DETAILED SITE MAP

Path: J:\U\UJLHO - UJL HOLDING CORPORATION\312 & 330 KAECHELE PLACE, BRIDGEPORT, CT\UNI3999EE\GIS\Figure 2 - Detailed Site Map - 500 scale.mxd





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

### Legend

- - - - - Eversource ROW
- Approximate Property Boundary

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 SECOND FLOOR  
 STRATFORD, CT 06614  
 (203) 380-1395  
 HRPASSOCIATES.COM

 **North**



Revisions	
No.	Date

Designed By: <b>LAB</b>	Drawn By: <b>DML</b>	Reviewed By: <b>BPL</b>
Issue Date: <b>08/09/2019</b>	Project No: <b>UNI3999.EE</b>	Sheet Size: <b>11X17</b>

**Detailed Site Map**  
  
 280, 312 & 330  
 Kaechele Place  
 Bridgeport, Connecticut

**ATTACHMENT**  
  
**B**



ATTACHMENT C  
SUPPLEMENTAL INFORMATION

# Attachment C: Supplemental Information, Group 2 requirement

## Section i: Supplemental Site Information

### 1. Existing Conditions

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

**330 Kaechele Place (2.77-acres) is undeveloped and wooded. 312 Kaechele Place (0.28-acres) is adjacent to 330 Kaechele Place and is undeveloped and wooded. The are wetlands reportedly in the northern portion of 320 Kaechele Place. The existing Old Town Substation at 280 Kaechele Place (0.9-acres) is mostly impervious cover consisting of the substation foundation and access road. This impervious area will be expanded into 312 and 330 Kaechele Place for the new, larger substation.**

**Site Photographs (optional) attached**

**Site Plan/sketch of existing conditions attached**

### 2. Biological Surveys

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species  Yes  No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.

Biologist(s) name: \_\_\_\_\_

Habitat and/or species targeted by survey: \_\_\_\_\_

Dates when surveys were conducted: \_\_\_\_\_

**Reports of biological surveys attached**

**Documentation of biologist's qualifications attached**

**[NDDB Survey forms](#) for any listed species observations attached**

## Section ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

**The Project is in the planning stages and will be subject to comprehensive review by the CT Siting Council. An application to the Council is expected to be submitted in the first quarter of 2020. The actual schedule for construction will depend on Council review, but assuming that all regulatory approvals are received in a timely fashion, construction of the Project is expected to begin in 2021 and be completed in 2021.**



2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

**A total of 2.25 acres will be developed for the new substation - this will include the 0.9 acre of the existing substation and the remainder will involve the conversion of upland forest to utility use. The approximate footprint of the new substation is depicted on the Annotated Site Plan.**

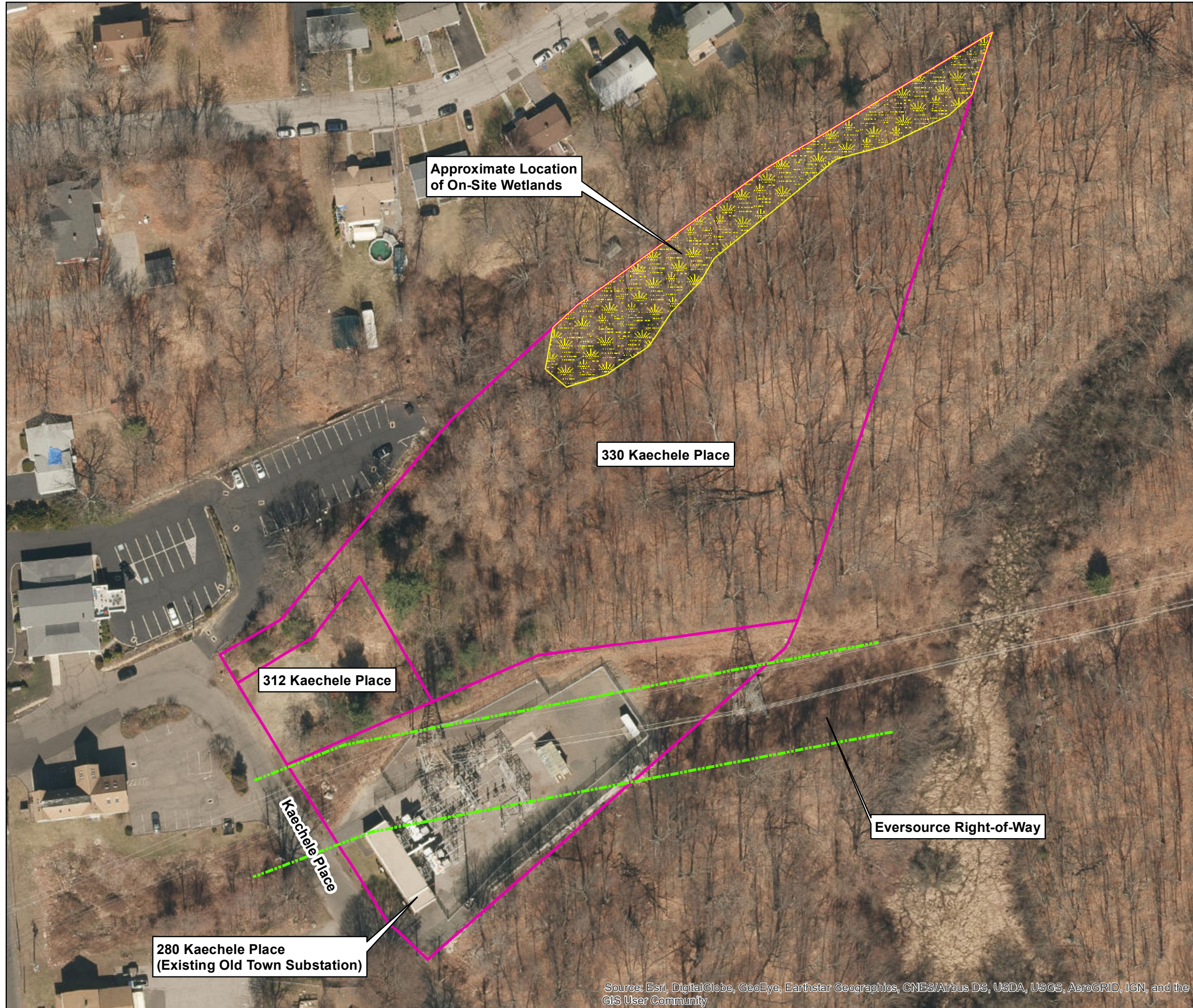
**All work activities on the Eversource ROW will be temporary. After replacement of the transmission line structure interconnections to the new substation, the areas of the ROW affected by Project activities will be restored (the ROW is managed by Eversource in low-growing vegetation consistent with overhead transmission line use.)**

**Annotated Site Plan attached**



## EXISTING CONDITIONS PLAN

Path: J:\U\U\U\HO - U\I\HOLDING CORPORATION\312 & 330 KAECEHELE PLACE, BRIDGEPORT, CT\UNI3999EE\GIS\Attachment C - Existing Conditions Plan.mxd



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

### Legend

- - - Eversource ROW
- Approximate Property Boundary

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↑  
**North**

0    40    80  
  
 Feet

Revisions	No.	Date

Designed By: <b>LAB</b>	Drawn By: <b>DML</b>	Reviewed By: <b>BPL</b>
Issue Date: <b>08/09/2019</b>	Project No: <b>UNI3999.EE</b>	Sheet Size: <b>11x17</b>

**Existing Conditions Plan**

**280, 312 & 330  
 Kaechele Place  
 Bridgeport, Connecticut**

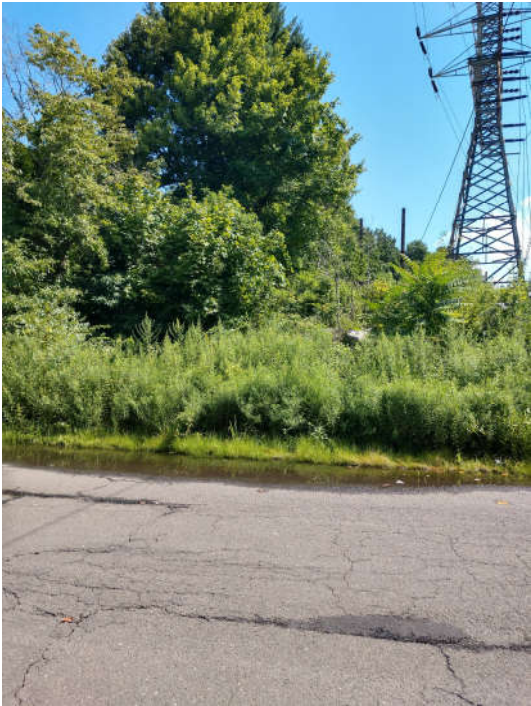
ATTACHMENT  
C



PHOTOGRAPHS OF EXISTING CONDITIONS



**Western portion of Site adjacent to Kaechele Place, facing NE**



**Southern border of Site adjacent to United Illuminating substation, facing east. Storm water ponding is observed on Kaechele Place**



**Historical stone wall features in the east-central portion of the Site (330 Kaechele Place), facing ESE.**



**Remnants of the former residential property in the western region of the Site (312 Kaechele Place)**

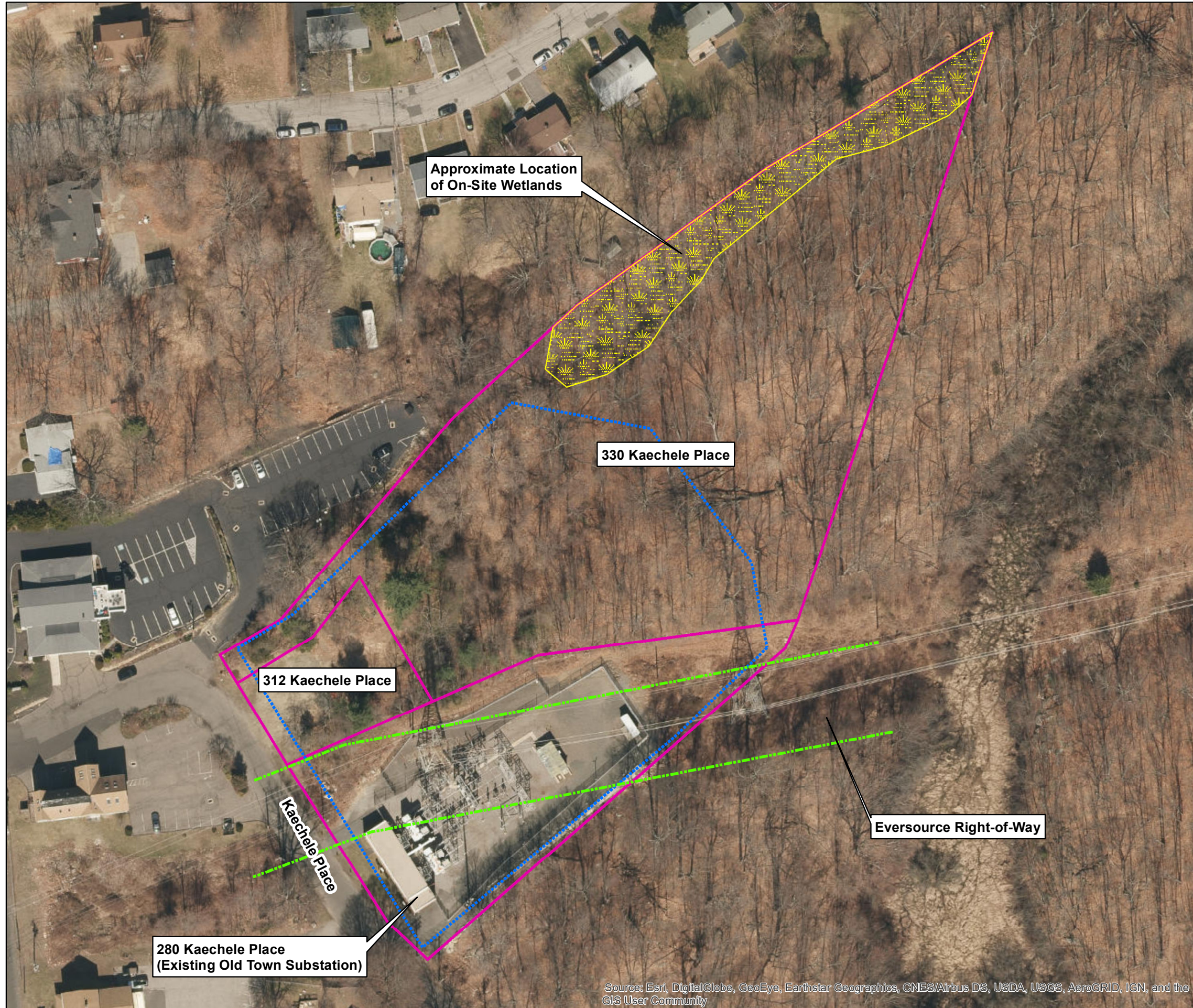


**Eastern region of the Site (330 Kaechele Place), facing east.**



ANNOTATED SITE PLAN

Path: J:\U\U\U\HO - U\I\HOLDING CORPORATION\312 & 330 KAECEHELE PLACE, BRIDGEPORT, CT\UNI3999EE\GIS\Attachment C - Annotated Site Plan.mxd



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

### Legend

- - - Eversource ROW
- Proposed Substation Rebuild Boundary
- Approximate Property Boundary

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 HRPASSOCIATES.COM

↑  
**North**

0    40    80  
  
 Feet

Issue Date:	Project No:	Revisions	
		No.	Date
08/09/2019	UNI3999.EE		
Designed By:	Drawn By:		
LAB	DML		
	Reviewed By:		
	BPL		
Sheet Size:			
11x17			

**Annotated Site Plan**  
 280, 312 & 330  
 Kaechele Place  
 Bridgeport, Connecticut

**ATTACHMENT**

**C**





ATTACHMENT D  
SITE HARBOR REPORT  
(NOT APPLICABLE)






ATTACHMENT E

NATURAL DIVERSITY DATA BASE AREA - BRIDGEPORT

# Natural Diversity Data Base Areas

BRIDGEPORT, CT

June 2019

-  State and Federal Listed Species
-  Critical Habitat
-  Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Critical Habitats. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDDB) from a variety of data sources. Exact locations of species have been buffered to produce the generalized locations.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a hatched area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

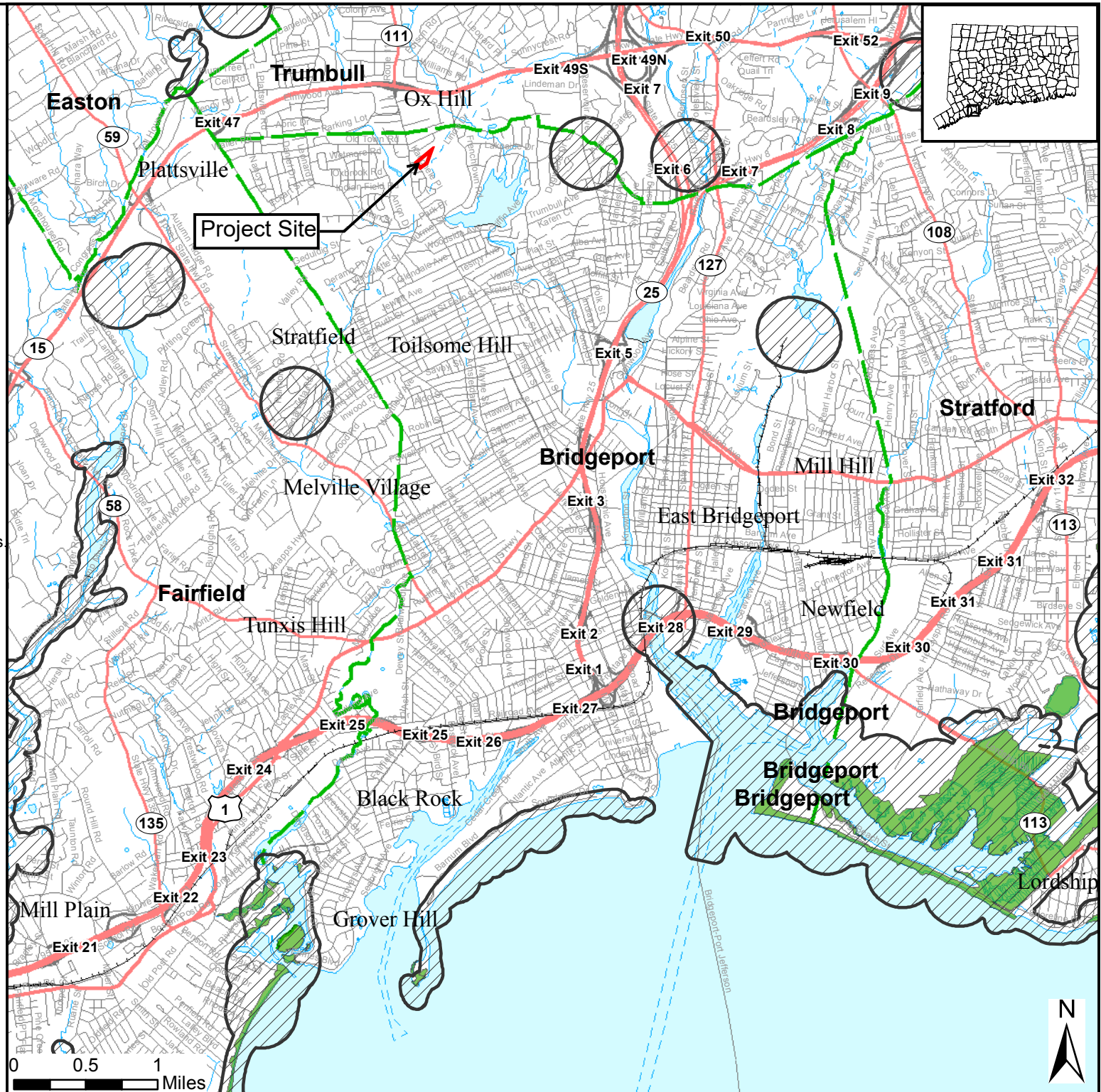
[www.ct.gov/deep/nddbrequest](http://www.ct.gov/deep/nddbrequest)

Use the CTECO Interactive Map Viewers at [www.cteco.uconn.edu](http://www.cteco.uconn.edu) to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)  
79 Elm St, Hartford, CT 06106  
email: [deep.nddbrequest@ct.gov](mailto:deep.nddbrequest@ct.gov)  
Phone: (860) 424-3011



Connecticut Department of Energy & Environmental Protection  
Bureau of Natural Resources  
Wildlife Division





Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

October 18, 2019

Darin Lemire PE  
HRP Associates  
197 Scott Swamp Rd  
Farmington CT 06032  
Darin.lemire@hrpassociates.com

Project: Old Town Substation Rebuild Project, 312, 330 and 280 Kaechele Place in Bridgeport, CT  
NDDDB Determination No.: 201912257

Dear Mr. Lemire,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed expansion and reconstruction of Old Town Substation at 312, 330 and 280 Kaechele Place in Bridgeport, Connecticut. According to our records we have known extant population of state special concern *Terrapene c. carolina* (eastern box turtle) from this area.

**Eastern Box Turtle (*Terrapene c. carolina*):** Eastern box turtles inhabit old fields and deciduous forests, which can include power lines and logged woodlands. They are often found near small streams and ponds. The adults are completely terrestrial but the young may be semiaquatic, and hibernate on land by digging down in the soil from October to April. They have an extremely small home range and can usually be found in the same area year after year. Eastern box turtles have been negatively impacted by the loss of suitable habitat. Some turtles may be killed directly by construction activities, but many more are lost when important habitat areas for shelter, feeding, hibernation, or nesting are destroyed. As remaining habitat is fragmented into smaller pieces, turtle populations can become small and isolated. Reducing the frequency that motorized vehicles enter box turtle habitat would be beneficial in minimizing direct mortality of adults.

**Recommended Protection Strategies for Turtles:**

Work should occur when these turtles are active (April 1st to October 30<sup>th</sup>). Conducting land clearing while the turtle is active will allow the animal to move out of harm's way and minimize mortality to hibernating individuals. I recommend the additional following protection strategies in order to protect these turtles:

- Hiring a qualified herpetologist to be on site to ensure these protection guidelines remain in effect and to prevent turtles from being run over when moving heavy equipment. This is especially important in the month of June when turtles are selecting nesting sites.
- Exclusionary practices will be required to prevent any turtle access into construction areas. These measures will need to be installed at the limits of disturbance.
- Exclusionary fencing must be at least 20 in tall and must be secured to and remain in contact with the ground and be regularly maintained (at least bi-weekly and after major weather events) to secure any gaps or openings at ground level that may let animal pass through. Do not use plastic or netted silt-fence.
- All staging and storage areas, outside of previously paved locations, regardless of the duration of time they will be utilized, must be reviewed to remove individuals and exclude them from re-entry.
- All construction personnel working within the turtle habitat must be apprised of the species description and the possible presence of a listed species, and instructed to relocate turtles found inside work areas or notify the appropriate authorities to relocate individuals.
- Any turtles encountered within the immediate work area shall be carefully moved to an adjacent area outside of the excluded area and fencing should be inspected to identify and remove access point.

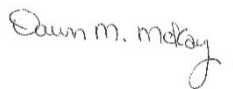
- In areas where silt fence is used for exclusion, it shall be removed as soon as the area is stable to allow for reptile and amphibian passage to resume.
- No heavy machinery or vehicles may be parked in any turtle habitat.
- Special precautions must be taken to avoid degradation of wetland habitats including any wet meadows and seasonal pools.
- The Contractor and consulting herpetologist must search the work area each morning prior to any work being done.
- When felling trees adjacent to brooks and streams please cut them to fall away from the waterway and do not drag trees across the waterway or remove stumps from banks.
- Avoid and limit any equipment use within 50 feet of streams and brooks.
- Any confirmed sightings of box, wood or spotted turtles should be reported and documented with the NDDB ([deep.nddbrequest@ct.gov](mailto:deep.nddbrequest@ct.gov)) on the appropriate special animal form found at ([http://www.ct.gov/deep/cwp/view.asp?a=2702&q=323460&depNav\\_GID=1641](http://www.ct.gov/deep/cwp/view.asp?a=2702&q=323460&depNav_GID=1641))

If these protection strategies are followed then the proposed activities will lessen the impact on this state-listed species. This determination is good for two years. Please re-submit an NDDB Request for Review if the scope of work changes or if work has not begun on this project by October 18, 2021.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or [dawn.mckay@ct.gov](mailto:dawn.mckay@ct.gov) . Thank you for consulting the Natural Diversity Data Base. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

Sincerely,



Dawn M. McKay  
Environmental Analyst 3

# WILDLIFE IN CONNECTICUT

## STATE SPECIES OF SPECIAL CONCERN

### Eastern Box Turtle

*Terrapene carolina carolina*

#### Description

The eastern box turtle is probably the most familiar of the 8 species of turtles found in Connecticut's landscape. It is known for its high-domed carapace (top shell). The carapace has irregular yellow or orange blotches on a brown to black background that mimic sunlight dappling on the forest floor. The plastron (under shell) may be brown or black and may have an irregular pattern of cream or yellow. The length of the carapace usually ranges from 4.5 to 6.5 inches, but can measure up to 8 inches long. The shell is made up of a combination of scales and bones, and it includes the ribs and much of the backbone.

Each individual turtle has distinctive head markings. Males usually have red eyes and a concave plastron, while females have brown eyes and a flat plastron. Box turtles also have a horny beak, stout limbs, and feet that are webbed at the base. This turtle gets its name from its ability to completely withdraw into its shell, closing itself in with a hinged plastron. Box turtles are the only Connecticut turtle with this ability.

#### Range

Eastern box turtles are found throughout Connecticut, except at the highest elevations. They range from southeastern Maine to southeastern New York, west to central Illinois, and south to northern Florida.

#### Habitat and Diet

In Connecticut, this terrestrial turtle inhabits a variety of habitats, including woodlands, field edges, thickets, marshes, bogs, and stream banks. Typically, however, box turtles are found in well-drained forest bottomlands and open deciduous forests. They will use wetland areas at various times during the season. During the hottest part of a summer day, they will wander to find springs and seepages where they can burrow into the moist soil. Activity is restricted to mornings and evenings during summer, with little to no nighttime activity, except for egg-



© PAUL J. FLUSCO

laying females. Box turtles have a limited home range where they spend their entire life, ranging from 0.5 to 10 acres (usually less than 2 acres).

Box turtles are omnivorous and will feed on a variety of food items, including earthworms, slugs, snails, insects, frogs, toads, small snakes, carrion, leaves, grass, berries, fruits, and fungi.

#### Life History

From October to April, box turtles hibernate by burrowing into loose soil, decaying vegetation, and mud. They tend to hibernate in woodlands, on the edge of woodlands, and sometimes near closed canopy wetlands in the forest. Box turtles may return to the same place to hibernate year after year. As soon as they come out of hibernation, box turtles begin feeding and searching for mates.

The breeding season begins in April and may continue through fall. Box turtles usually do not breed until they are about 10 years old. This late maturity is a result of their long lifespan, which can range up to 50 to even over 100 years of age. The females do not have to mate every year to lay eggs as they can store sperm for up

to 4 years. In mid-May to late June, the females will travel from a few feet to more than a mile within their home range to find a location to dig a nest and lay their eggs. The 3 to 8 eggs are covered with dirt and left to be warmed by the sun. During this vulnerable time, skunks, foxes, snakes, crows, and raccoons often raid nests. Sometimes, entire nests are destroyed. If the eggs survive, they will hatch in late summer to early fall (about 2 months after being laid). If they hatch in the fall, the young turtles may spend the winter in the nest and come out the following spring.

As soon as the young turtles hatch, they are on their own and receive no care from the adults. This is a dangerous time for young box turtles because they do not develop the hinge for closing into their shell until they are about 4 to 5 years old. Until then, they cannot entirely retreat into their shells. Raccoons, skunks, foxes, dogs, and some birds will prey on young turtles.

### ***Conservation Concerns***

The eastern box turtle was once common throughout the state, mostly in the central Connecticut lowlands. However, its distribution is now spotty, although where found, turtles may be locally abundant. Because of the population decline in Connecticut, the box turtle was added to the state's List of Endangered, Threatened, and Special Concern Species when it was revised in 1998. It is currently listed as a species of special concern. The box turtle also is protected from international trade by the 1994 CITES treaty. It is of conservation concern in all the states where it occurs at its northeastern range limit, which includes southern New England and southeastern New York.

Many states have laws that protect box turtles and prohibit their collection. In Connecticut, eastern box turtles **cannot** be collected from the wild (DEP regulations 26-66-14A). Another regulation (DEP regulations 26-55-3D) "grandfathers" those who have a **box turtle collected before 1998**. This regulation limits possession to a single turtle collected before 1998. These

regulations provide some protection for the turtles, but not enough to combat some of the even bigger threats these animals face. The main threats in Connecticut (and other states) are loss and fragmentation of habitat due to deforestation and spreading suburban development; vehicle strikes on the busy roads that bisect the landscape; and indiscriminate (and now illegal) collection of individuals for pets.

Loss of habitat is probably the greatest threat to turtles. Some turtles may be killed directly by construction activities, but many more are lost when important habitat areas for shelter, feeding, hibernation, or nesting are destroyed. As remaining habitat is fragmented into smaller pieces, turtle populations can become small and isolated.

Adult box turtles are relatively free from predators due to their unique shells. The shell of a box turtle is extremely hard. However, the shell is not hard enough to survive being run over by a vehicle. Roads bisecting turtle habitat can seriously deplete the local population. Most vehicle fatalities are pregnant females searching for a nest site.

### ***How You Can Help***

- *Leave turtles in the wild. They should never be kept as pets. Whether collected singly or for the pet trade, turtles that are removed from the wild are no longer able to be a reproducing member of a population. Every turtle removed reduces the ability of the population to maintain itself.*
- *Never release a captive turtle into the wild. It probably would not survive, may not be native to the area, and could introduce diseases to wild populations.*
- *Do not disturb turtles nesting in yards or gardens.*
- *As you drive, watch out for turtles crossing the road. Turtles found crossing roads in June and July are often pregnant females and they should be helped on their way and not collected. Without creating a traffic hazard or compromising safety, drivers are encouraged to avoid running over turtles that are crossing roads. Also, still keeping safety precautions in mind, you may elect to pick up turtles from the road and move them onto the side they are headed. Never relocate a turtle to another area that is far from where you found it.*
- *Learn more about turtles and their conservation concerns. Spread the word to others on how they can help Connecticut's box turtle population.*



State of Connecticut  
Department of Environmental Protection  
Bureau of Natural Resources  
Wildlife Division  
[www.ct.gov/dep](http://www.ct.gov/dep)



The production of this Endangered and Threatened Species Fact Sheet is made possible by donations to the Connecticut Endangered Species/Wildlife Income Tax Checkoff Fund.



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Ecological Services Field Office  
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In Reply Refer To:

October 25, 2019

Consultation Code: 05E1NE00-2020-SLI-0255

Event Code: 05E1NE00-2020-E-00744

Project Name: Old Town Substation Rebuild Project

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.



A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
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## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**New England Ecological Services Field Office**

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## Project Summary

Consultation Code: 05E1NE00-2020-SLI-0255

Event Code: 05E1NE00-2020-E-00744

Project Name: Old Town Substation Rebuild Project

Project Type: TRANSMISSION LINE

Project Description: 330 Kaechele Place (2.77-acres) is undeveloped and wooded. 312 Kaechele Place (0.28-acres) is adjacent to 330 Kaechele Place and is undeveloped and wooded. The are wetlands reportedly in the northern portion of 320 Kaechele Place. The existing Old Town Substation at 280 Kaechele Place (0.9-acres) is mostly impervious cover consisting of the substation foundation and access road. This impervious area will be expanded into 312 and 330 Kaechele Place for the new, larger substation.

The Old Town Substation will be rebuilt on approximately 2.25 acres of UI-owned property; the site will encompass undeveloped UI land located at 312 and 330 Kaechele Place, as well as the existing substation property. The Project also will involve the installation of transmisison line connections to the new substation, involving transmission structure replacements on Eversource's existing transmission line rights-of-way (ROW) immediately adjacent to the site, as well as modifications to certain distribution line connections (typically within local streets). After energization of the new substation, the existing substation will be demolished.

Typical substation construction activities include excavation, removal of existing wooded conditions, grading and filling, and installation of new equipment. The type of equipment to be used for work would include typical construction equipment including backhoes, bulldozers, bobcats, loaders and dump trucks. To minimize construction related impacts, UI will use standard best management practices. The project will be subject to the General Permit for Stormwater from Construction Activities

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/41.2250576198152N73.21641905701605W>

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Counties: Fairfield, CT

## Endangered Species Act Species

There is a total of 0 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

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