



NATURAL DIVERSITY DATA BASE (NDDDB) 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 KAECHHELE PLACE

<u>ATTACHMENT</u>	<u>SECTION</u>	<u>NO. PAGES</u>
	REQUEST FOR NATURAL DIVERSITY DATA BASE (NDDDB) REVIEW	6 pages
ATTACHMENT A	OVERVIEW MAP	1 page
ATTACHMENT B	DETAILED SITE MAP	1 page
ATTACHMENT C	SUPPLEMENTAL INFORMATION	6 pages
	<ul style="list-style-type: none">• 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 NDDDB Reviews.

Part I: Preliminary Screening & Request Type

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 [DEEP website](#). These maps are updated twice a year, usually in June and December.

Does your site, including all affected areas, fall in an NDDDB Area according to the map instructions:

☐ Yes ☒ No

Enter the date of the map reviewed for pre-screening: June 2019

This form is being submitted for a :

☒ New NDDDB request

☐ Renewal/Extension of a NDDDB Request, **without** modifications and within **two years** of issued NDDDB determination (no attachments required)

[CPPU Use Only - NDDDB-Listed Species Determination # 1736]

☐ New **Safe Harbor Determination** (optional) must be associated with an application for a GP for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

☐ Renewal/Extension of an existing Safe Harbor Determination

☐ With modifications

☐ Without modifications (no attachments required)

[CPPU Use Only - NDDDB-Safe Harbor Determination # 1736]

Enter NDDDB 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)*

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)

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.

1. SITE NAME AND LOCATION

Site Name or Project Name: **Old Town Substation Rebuild Project**

Town(s): **Bridgeport**

Street Address or Location Description:

312 and 330 Kaechele Place, Bridgeport, CT 06606 - undeveloped parcels adjacent to existing substation

280 Kaechele Place, Bridgeport, CT 06606 - existing Old Town Substation

Size in acres, or site dimensions: **3.95-acres total (280, 312, & 330 Kaechele Place)**

Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):

Latitude: **41.225 N**

Longitude: **73.216 W**

Method of coordinate determination (check one):

☐ GPS ☐ Photo interpolation using [CTECO map viewer](#) ☒ Other (specify): **Google Earth**

2a. Describe the current land use and land cover of the site.

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. Check all that apply and enter the size in acres or % of area in the space after each checked category.

<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

1. PROJECT TYPE:

Choose Project Type: Utility construction/modification , If other describe: _____

2. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint? ☐ Yes ☒ No If yes, explain.

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:	Overview Map: 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:	Detailed Site Map: 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:	Supplemental Information, Group 2 requirement (attached, DEEP-APP-007C) <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:	Safe Harbor Report Requirements, Group 3 (attached, DEEP-APP-007D)

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.

"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."	
Signature of Requester (a typed name will substitute for a handwritten signature)	Date
Todd Berman	Environmental Project Manager
Name of Requester (print or type)	Title (if applicable)
	10/7/19
Signature of Preparer (if different than above)	Date
Darin Lemire, PE, CPSWQ, CPESC	Senior Project Manager
Name of Preparer (print or type)	Title (if applicable)

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

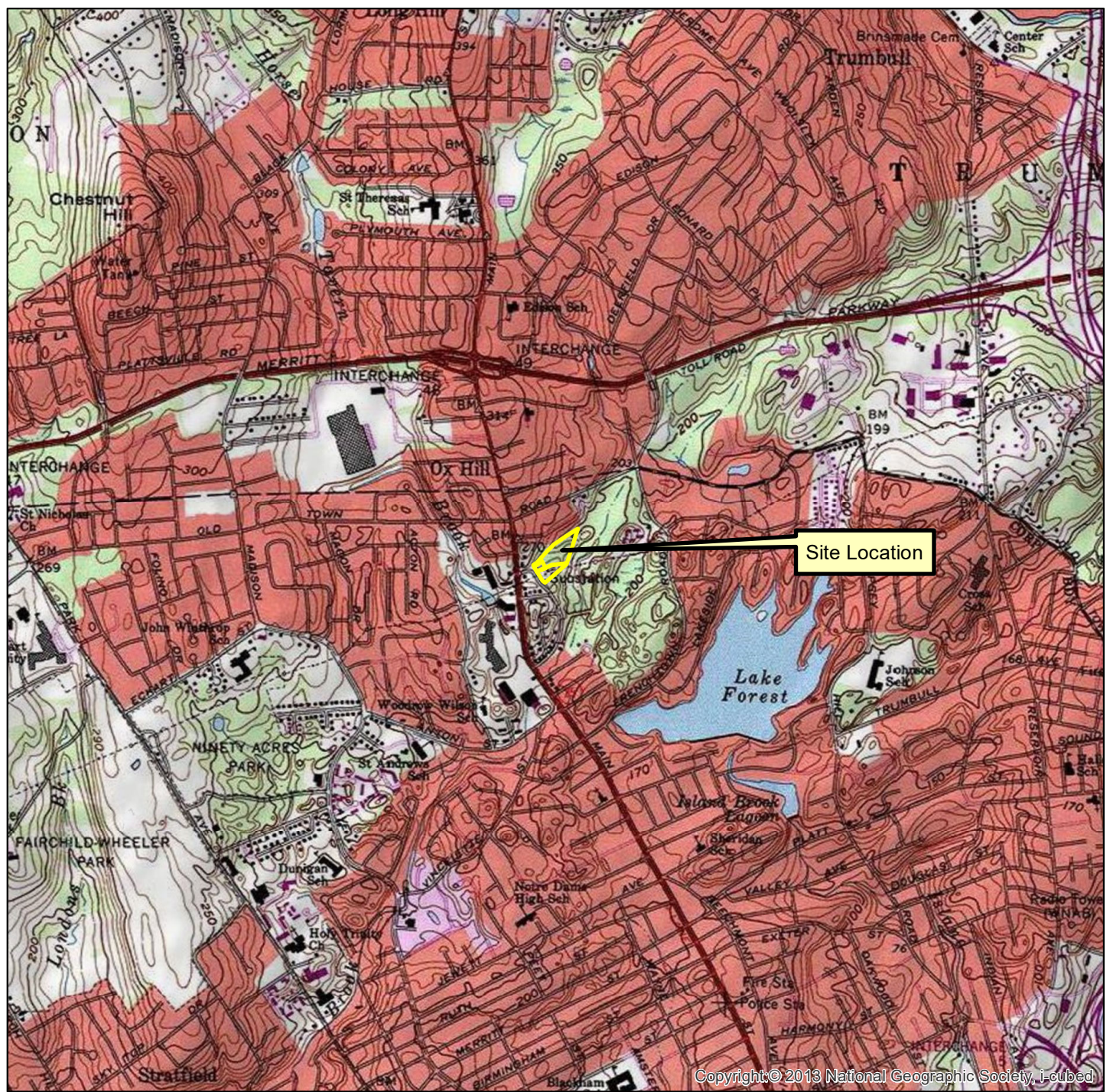
CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Or email request to: deep.nddbrequest@ct.gov



ATTACHMENT A

OVERVIEW MAP



0 1,000 2,000 4,000 6,000 8,000 Feet
1 inch = 2,000 feet

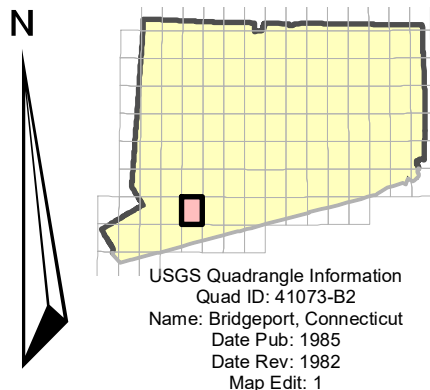


Figure 1
Site Location
312 & 330 Kaechle Place
Bridgeport, Connecticut
HRP# UNI3999.EE
Scale 1" = 2,000'



999 ORONOQUE LANE
SECOND FLOOR
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ATTACHMENT B
DETAILED SITE MAP

Path: J:\U\UJLHO - UJL HOLDING CORPORATION\312 & 330 KAECHHELE PLACE, BRIDGEPORT, CT\UN13999EE\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

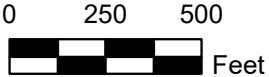


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North



0 250 500 Feet

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

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.

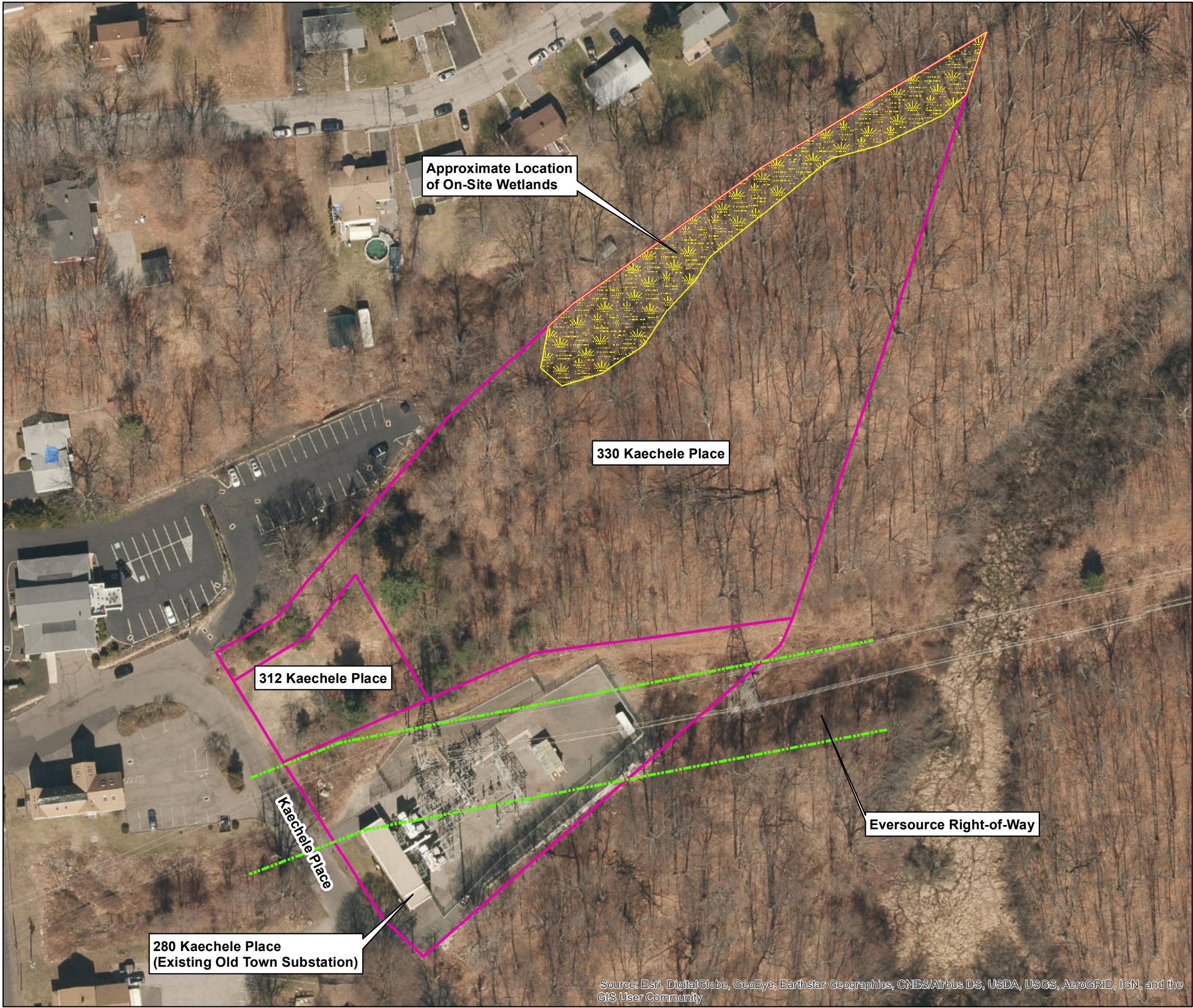
All work activities on the Eversource ROW will be temporary. After replacement of the transmission line structure interconnections to the new substation, the areas of the ROW affected by Project activities will be restored (the ROW is managed by Eversource in low-growing vegetation consistent with overhead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

☒ **Annotated Site Plan attached**



EXISTING CONDITIONS PLAN

Path: J:\U\U\U\HO - U\I\HOLDING CORPORATION\312 & 330 KAECHELE 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:	LAB	
Drawn By:	DML	
Reviewed By:	BPL	
Issue Date:	08/09/2019	
Project No:	UNI3999.EE	
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Existing Conditions
Plan
280, 312 & 330
Kaechele Place
Bridgeport, Connecticut

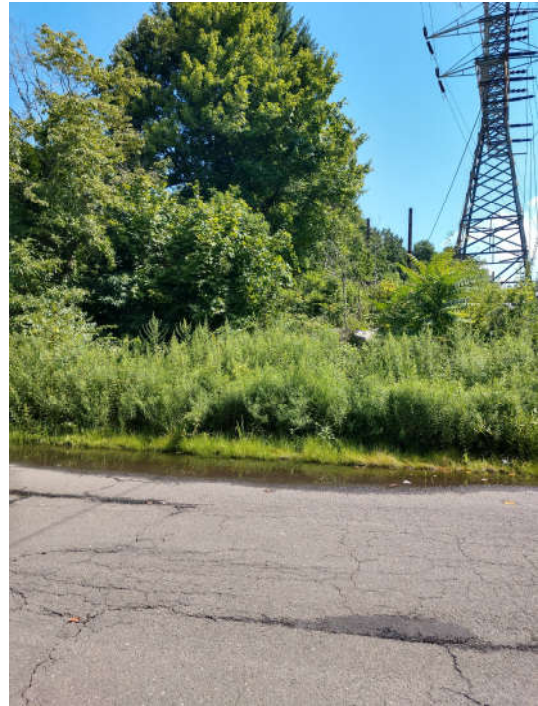
ATTACHMENT
C



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)

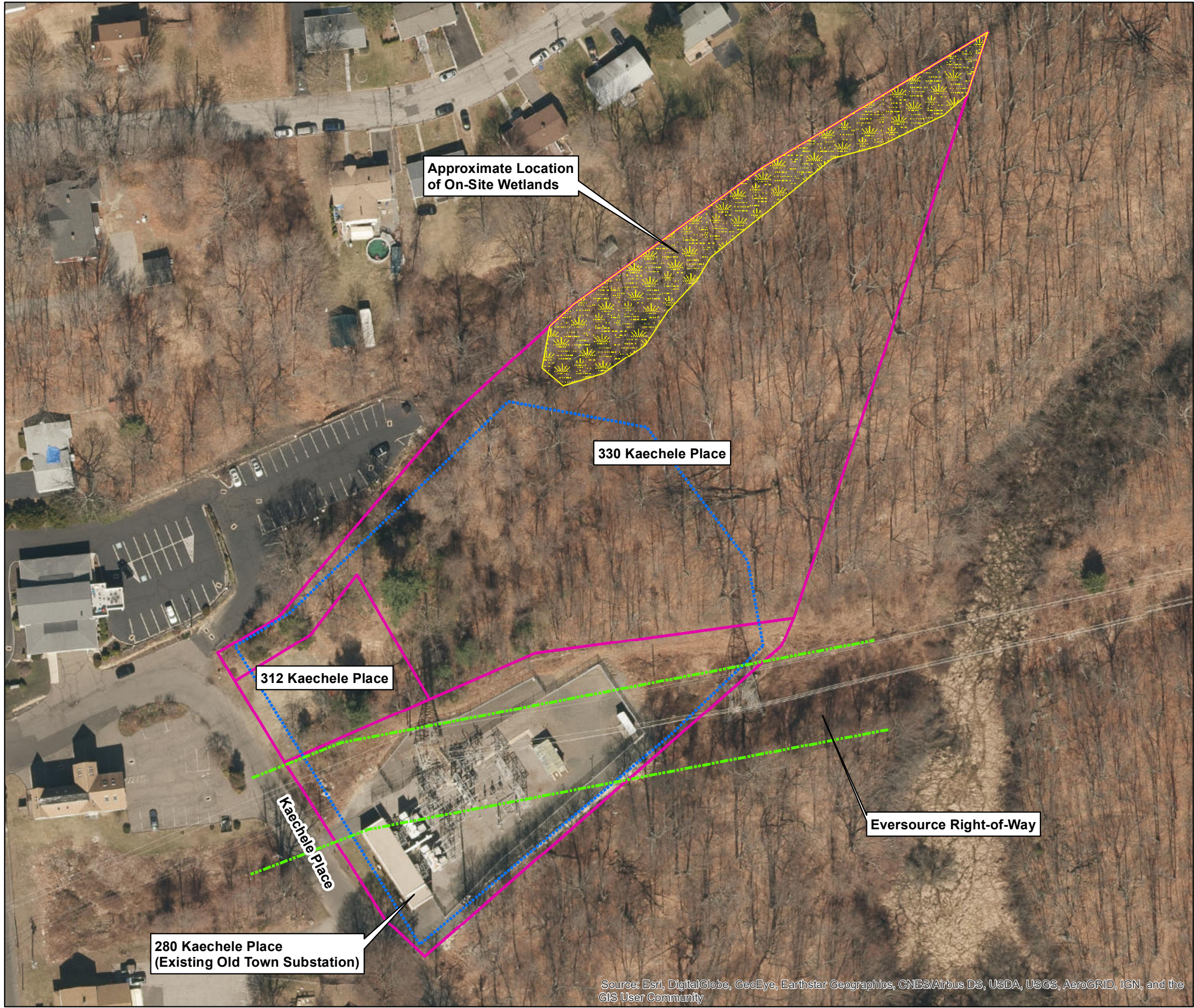


Eastern region of the Site (330 Kaechele Place), facing east.



ANNOTATED SITE PLAN

Path: J:\U\U\U\HO - U\I\HOLDING CORPORATION\312 & 330 KAECHELE PLACE, BRIDGEPORT, CT\U\3999EE\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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North

04080

Feet

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

Use the CTECO Interactive Map Viewers at 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
Phone: (860) 424-3011



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

