

DRAFT

**Docket No. 490
The United Illuminating Company
Old Town Substation Rebuild Project
312 and 330 Kaechele Place, Bridgeport
Eversource Partial Development and Management Plan**

**Staff Report
June 5, 2026**

On February 3, 2021, the Connecticut Siting Council (Council) issued a Certificate of Environmental Compatibility and Public Need (Certificate) to The United Illuminating Company (UI) for the Old Town Substation Rebuild Project (Project) in the City of Bridgeport (City).

During the proceeding held on the application, The Connecticut Light and Power Company d/b/a Eversource Energy (Eversource) participated as a party. Three overhead 115-kilovolt (kV) electric transmission lines owned by Eversource occupy the right-of-way (ROW) that extends through the existing UI Old Town Substation site. The transmission lines are supported by two existing double-circuit steel lattice structures: Structure 857.5 located within the existing UI Old Town substation site and Structure 857 located east of the existing UI Old Town substation site.

The Eversource electrical interconnection to UI's replacement Old Town Substation is required to complete construction of the facility. The deadline for completion of construction of the replacement substation facility is June 1, 2028.

Condition No. 1 of the Council's Decision and Order (D&O) required UI to submit a Development and Management (D&M) Plan in compliance with Sections 16-50j-60 through 16-50j-62 of the Regulations of Connecticut State Agencies (RCSA). On December 26, 2024, in compliance with RCSA §16-50j-62, UI submitted a D&M Plan for the replacement substation to the Council and the service list. On March 21, 2025, the Council approved the UI D&M Plan.

Condition No. 2 of the Council's D&O required Eversource to submit a Partial D&M Plan for the electrical interconnection to the replacement substation. On May 19, 2026, Eversource submitted its Partial D&M Plan.

The replacement substation site is located on the 0.9-acre parcel at 280 Kaechele Place that hosts UI's existing Old Town Substation and an approximately 1.35-acre portion of UI-owned parcels located at 312 and 330 Kaechele Place totaling about 3 acres. The existing Eversource electric transmission line ROW extends in a generally east-west direction through the existing substation site.

Condition No. 2 of the Council's D&O requires the following information to be included in the Eversource Partial D&M Plan for its portion of the facility:

a) Final plans to remove existing transmission structures and install new transmission structures including the structure finish, arms/hardware, foundation type, and work pads, as applicable;

Eversource will remove existing 110-foot tall double-circuit steel lattice Structure 857 located east of the existing substation site and replace it with two 117-foot tall single-circuit steel monopole Structures 857 and 857A located east of the replacement substation site. Structures 857 and 857A will be installed approximately 70 to 80 feet east of existing Structure 857. Structures 857 and 857A will maintain a vertical configuration for the conductors.

Eversource will remove existing 100-foot tall double-circuit steel lattice Structure 857.5 located within the existing substation site and replace it with two 107-foot tall single-circuit steel monopole Structures 19700 and 19700A located within the existing ROW west of the replacement substation site and immediately east of Kaechele Place. Structures 19700 and 19700A will maintain a vertical configuration for the conductors.

All four replacement structures will utilize drilled concrete pier foundations. Foundation excavation work will be performed by mechanical means such as drill rigs and pneumatic hammers. Blasting is not expected.

Eversource will install permanent stone work pads in the vicinity of all four replacement structures. Temporary matting would be located east of Structure 857/857A to facilitate the installation of these replacement structures.

Eversource will utilize property it owns immediately west of Kaechele Place as its staging area. Temporary matting would be used in this staging area to avoid impeding stormwater storage. Eversource may also utilize UI's property outside the substation fence or the Eversource ROW east and west of the substation for additional staging areas. There are no wetlands or watercourses located at the staging area or at the structure replacement locations.

Eversource will utilize UI's existing substation access road directly off of Kaechele Place to the substation entrance and UI's and Eversource's permanent off-ROW access from Kaechele Place to the approximate location of existing Structure 857.

No trees will be removed. However, minimal vegetation removal including, but not limited to, mowing or removal of shrub-scrub and herbaceous species, and tree trimming would be performed as necessary and in accordance with Eversource Best Management Practices (BMPs).

Eversource plans to commence transmission line structure rebuild work during late third quarter to early fourth quarter 2026. Partial D&M Plan work is expected to be completed in approximately three months. Final restoration such as re-seeding may extend into the growing season following the completion of line work. The removal of existing Structure 857.5 will be performed in conjunction with UI's decommissioning of the existing Old Town Substation, which is anticipated in late 2028.

Normal work hours will be 7:00 a.m. to 7:00 p.m., Monday through Saturday. Certain tasks may require extended (non-typical) hours and/or Sunday work. Eversource will request approval from the Council for non-standard/extended work hours.

b) Final plans for transmission modifications to accommodate Eversource's structure replacements; and

The existing 1714 Line and 1710 Line conductors extending from the east towards Structure 857 are 1590 kcmil aluminum conductor steel reinforced (ACSR) conductor. The shield wire on the 1710 Line consists of 7/8" Alumweld, and the 1714 Line has 0.738" optical ground wire (OPGW). These conductors and shield wire/OPGW will be transferred from the existing lattice Structure 857 to replacement single-circuit steel monopole Structures 857 and 857A.¹

¹ The existing 1714 and 1222 Lines extending from west of the substation were reconducted to 1590 kcmil aluminum conductor steel supported (ACSS) conductors up to Structures 19701 and 19701A, and replaced as part of the Council's Declaratory Ruling for Petition 1549.

From Structures 19701 and 19701A east to Structure 857.5 there is 556.5 kmil ACSR conductor and existing OPGW/shield wire. Eversource will replace this line segment with 1590 ACSS conductor. Eversource will also replace the existing 7/8" Alumoweld shield wire with 0.646" OPGW on the 1222 Line for this line segment, and the existing 0.738" OPGW on the 1714 Line will be transferred for this line segment.

After the replacement Old Town Substation is commissioned, UI will own the conductor, insulators and hardware between the Eversource structures in the ROW and the UI structures within the substation yard. UI will own the monopoles, conductor, insulators, and hardware within the substation fence line and other associated substation equipment.

c) An erosion and sediment control plan consistent with the 2002 *Connecticut Guidelines for Soil Erosion and Sediment Controls*.

Eversource included its Erosion and Sedimentation Control Plan consistent with the applicable version of the *Connecticut Guidelines for Soil Erosion and Sediment Controls (E&S Guidelines)* in its Partial D&M Plan. These measures include, but are not limited to, silt fence, straw bales, wattles, silt socks, etc. In accordance with Eversource BMPs, Eversource will avoid the use of plastic and/or nylon netting that may result in wildlife entanglement.

The erosion and sediment control measures will be maintained and inspected throughout construction and replaced as necessary.

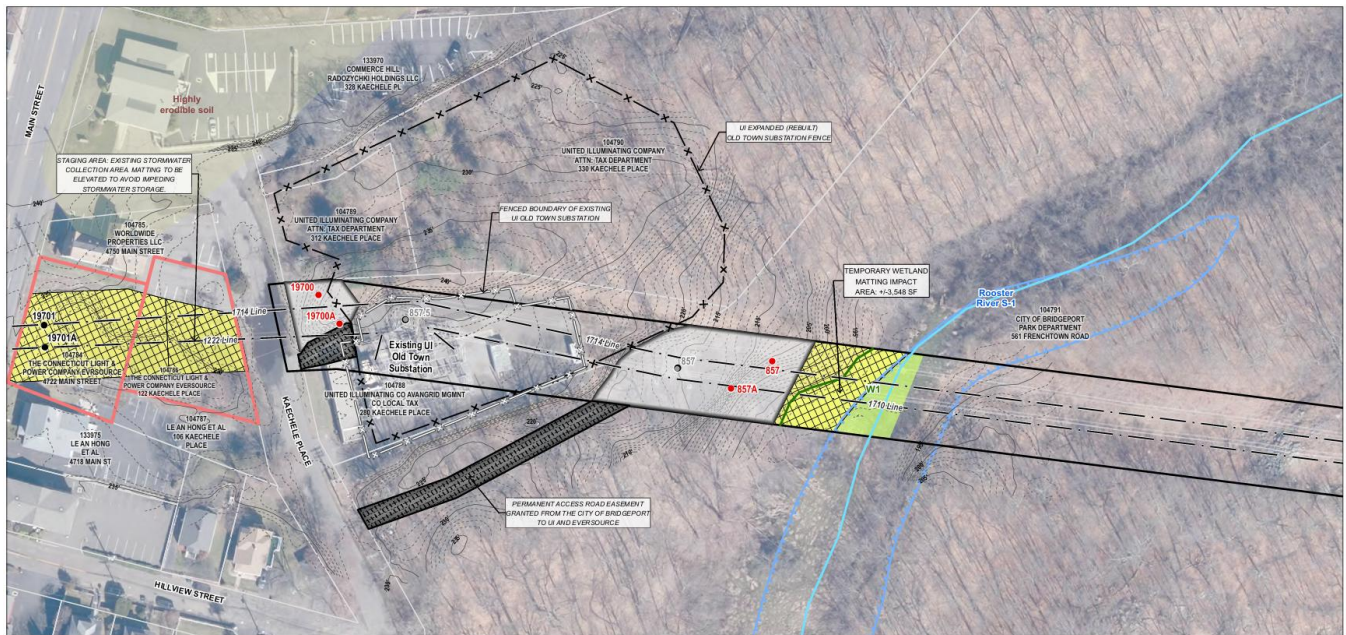
Eversource's work would disturb less than one acre, and thus, a DEEP Stormwater Permit is not required.

All work activities will comply with the *E&S Guidelines*, Eversource BMPs, and the terms and conditions of the U.S. Army Corps of Engineers Permit.

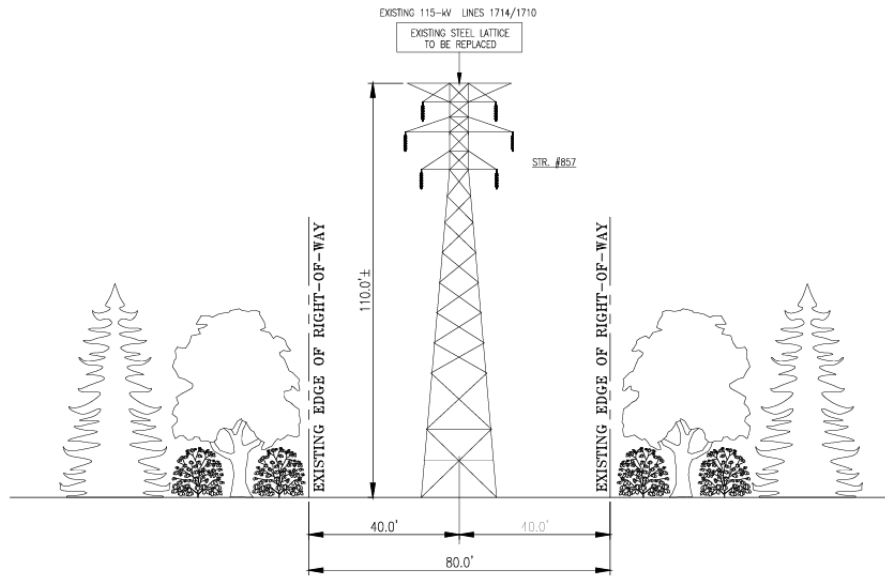
Conclusion

The Eversource Partial D&M Plan complies with requirements of RCSA § 16-50j-60 to 16-50j-62 and is consistent with Condition No. 2 of the Council's D&O dated February 3, 2021.

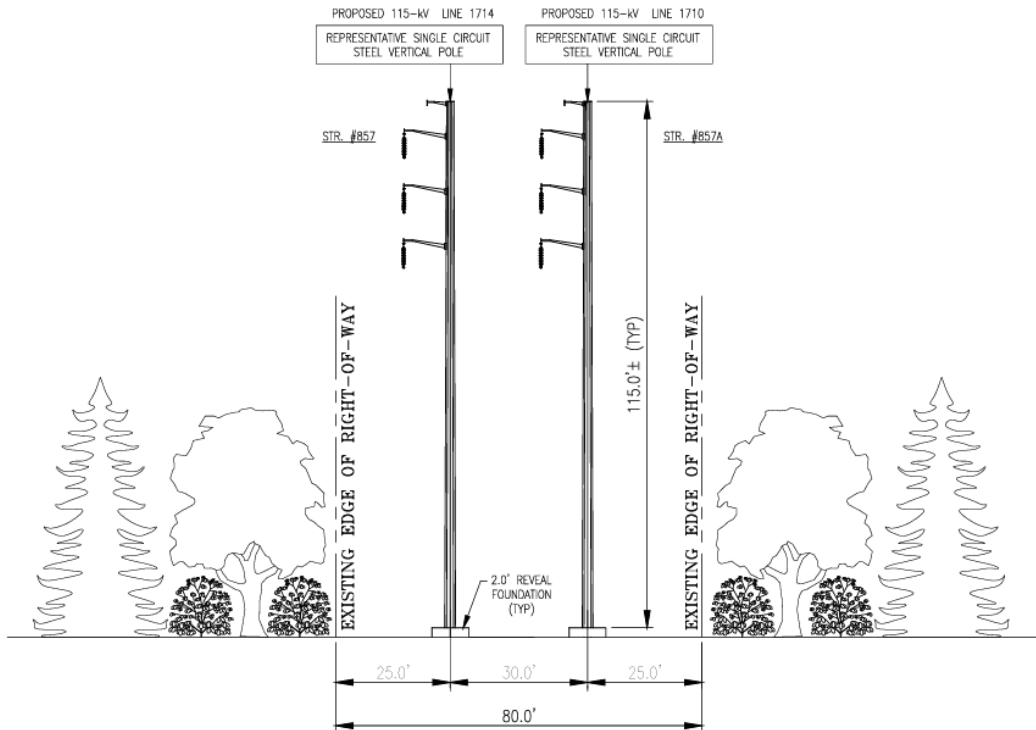
Site Plan



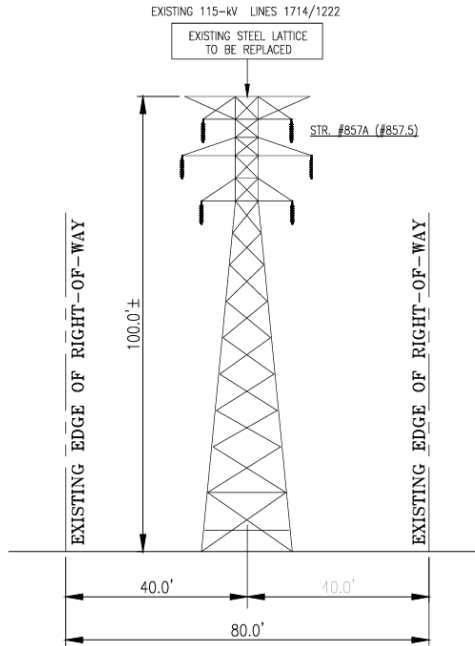
ROW Profiles



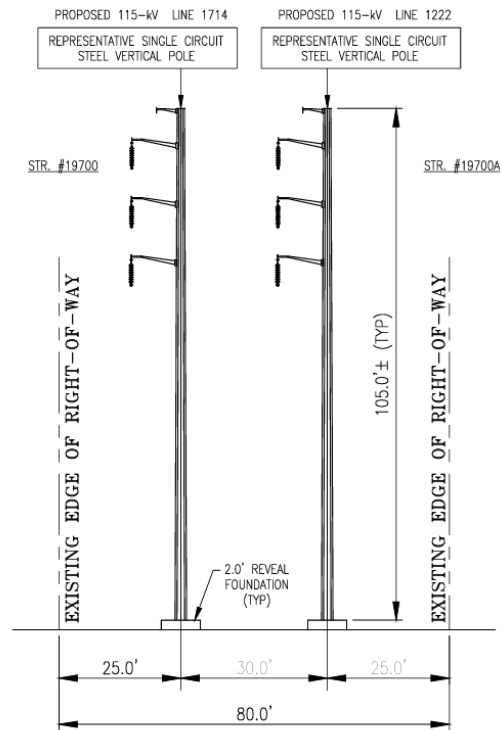
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