

June 27, 2018

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

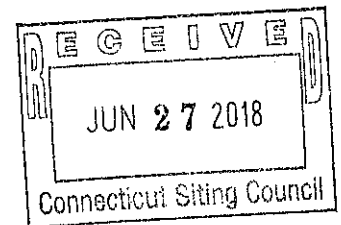
ORIGINAL

Re: Petition No. Petition 1344 - Greenhill to Bokum Upgrade Project - 1342 Line

Dear Ms. Bachman:

This letter provides the response to requests for the information listed below.

Response to CSC-01 Interrogatories dated 06/18/2018
CSC-001, 003, 004, 005, 006, 008



Very truly yours,

Kathleen Shanley / ank

Kathleen Shanley
Manager
Transmission, Siting
As Agent for CL&P
dba EversourceEnergy

cc: Service List

CL&P dba Eversource Energy
Petition No. Petition 1344

Data Request CSC-01
Dated: 06/18/2018
Q-CSC-001
Page 1 of 1

Witness: NO WITNESS
Request from: Connecticut Siting Council

Question:

Can the new replacement structures be able to support increased structural loading if conductors are increased in size in the future? (e.g., reconductoring from 795 kcmil to 1,272 kcmil)

Response:

Yes, the new replacement structures are designed to accommodate 1,272 kcmil conductor.

CL&P dba Eversource Energy
Petition No. Petition 1344

Data Request CSC-01
Dated: 06/18/2018
Q-CSC-003
Page 1 of 1

Witness: NO WITNESS
Request from: Connecticut Siting Council

Question:

If the proposed structures, in general, will either be the same height or taller than the existing structures, what accounts for the increases in electric and magnetic fields as listed in Table E-1 on Page 21?

Response:

The slight changes to the electric and magnetic fields are associated with slight changes in the configuration of the phases on the structure. This is most notably due to the longer arm for the top phase on the proposed structures compared to the arm for the top phase on the existing structures. The longer arm is required to maintain clearances to the proposed steel pole as opposed to the existing wood pole. This difference is illustrated in the cross section drawing in Attachment B to the Petition.

CL&P dba Eversource Energy
Petition No. Petition 1344

Data Request CSC-01
Dated: 06/18/2018
Q-CSC-004
Page 1 of 1

Witness: NO WITNESS
Request from: Connecticut Siting Council

Question:

What is the status of DOT's review of the relocation of structure 4896 from the west side to the east side of Route 153? Will DOT allow access to existing structure 4896 from Route 153? If so, are traffic restrictions necessary?

Response:

Eversource has notified the DOT about the proposed relocation of this structure; however, Eversource has not filed the request for an encroachment permit for the structure relocation. DOT has allowed access from a state roadway in similar situations. Eversource will work with DOT on any work hour restrictions or impacts to traffic.

CL&P dba Eversource Energy
Petition No. Petition 1344

Data Request CSC-01
Dated: 06/18/2018
Q-CSC-005
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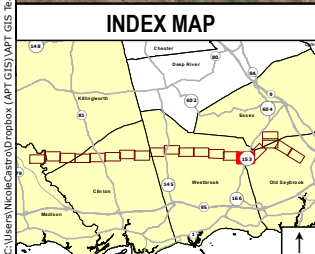
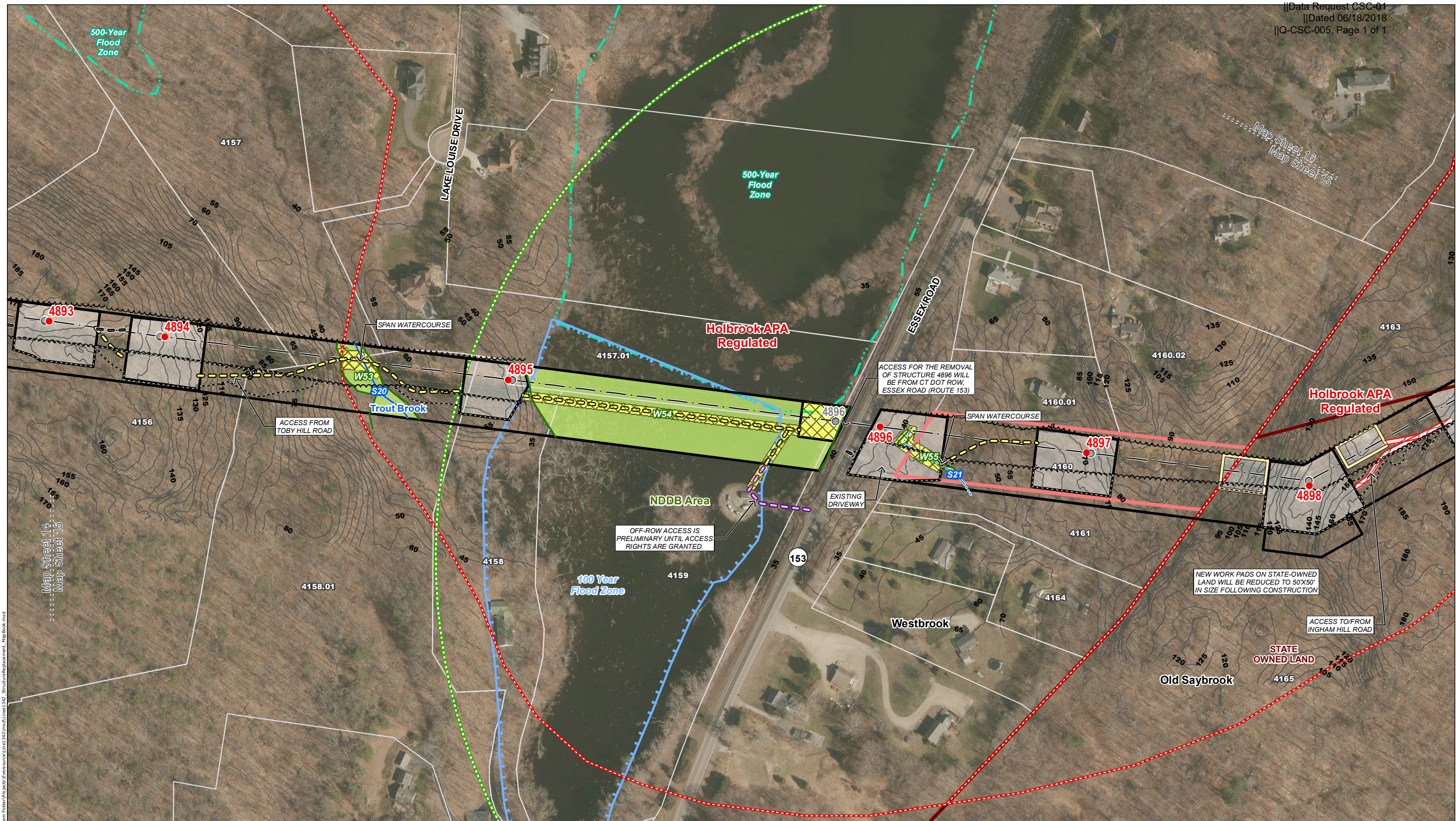
Witness: NO WITNESS
Request from: Connecticut Siting Council

Question:

Referring to Map 15, the text box above Structure 4896 mentions access to Structure 4898- is 4898 a misprint?

Response:

Yes, it is a misprint. The text in the box above Structure 4896 should state STRUCTURE 4896. The revised Map Sheet 15 is attached.



- Legend**
- | | | | |
|----------------------------------|-------------------------------------|---|-----------------------------|
| Proposed Structure | Hiking Trail | Delineated Intermittent Watercourse | Critical Habitat (2009) |
| Existing Structure to be Removed | Existing Driveway | Delineated Perennial Watercourse | FEMA 100 Year Flood Zone |
| Existing Structure to Remain | Existing Access | Ordinary High Water Mark | FEMA 500 Year Flood Zone |
| Existing Structure | Existing Access Road to be improved | Delineated Wetland Boundary Outline | Eversource Owned Property |
| Existing Right-of-Way (ROW) | Proposed Access | Field Delineated Wetland | State-Owned Property |
| Overhead Eversource Line | Proposed Alternate Access | Open Water | Approximate Parcel Boundary |
| Existing Tree Line | Pull Pad | Confirmed Vernal Pool Extent | Municipal Boundary |
| Railroad | Stone Work Pad | 100' Vernal Pool Envelope | 5' Contour Line |
| Gate | Existing Gravel Work Pad | Aquifer Protection Area (CTDEEP) | Map Sheet Matchline |
| Culvert | Temporary Construction Matting | Natural Diversity Database Area (Dec. 2017) | |
| | Proposed Tree Clearing | | |

Map Notes:

Not for Construction. Parcel and Row boundaries are approximate (not surveyed).
Parcel data provided by Comerstone Engineering, LLC (02/2018).
Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) providing that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design.
Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.



							EVSOURCE ENERGY
							Transmission Line Maintenance Green Hill to Bokum Upgrade Project
						Westbrook/Old Saybrook, CT	 DAVISON ENVIRONMENTAL ALL-POINTS TECHNOLOGY CORPORATION
						Map Sheet 15 of 19	
NO.	DATE	REVISIONS	BY	CHK	APP	APP	June, 2018

CL&P dba Eversource Energy
Petition No. Petition 1344

Data Request CSC-01
Dated: 06/18/2018
Q-CSC-006
Page 1 of 1

Witness: NO WITNESS
Request from: Connecticut Siting Council

Question:
Have areas been identified for counterpoise installation or is this an in-field determination?

Response:
This is an "in-the-field" determination after the structures are erected.

CL&P dba Eversource Energy
Petition No. Petition 1344

Data Request CSC-01
Dated: 06/18/2018
Q-CSC-008
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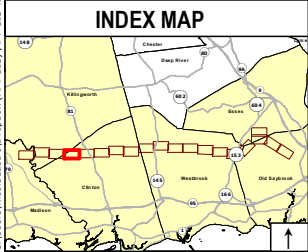
Witness: NO WITNESS
Request from: Connecticut Siting Council

Question:

Is it possible to access Structure 4828 from the east, and within the existing right-of-way, to avoid disturbance to VP4?

Response:

Yes, Eversource can use temporary construction matting within the existing right-of-way from Structure 4829 to Structure 4928; thereby, eliminating the need for matting over an existing access road through VP4. This new access is depicted on revised Map Sheet 4, attached.



- Legend**
- Proposed Structure
 - Existing Structure to be Removed
 - Existing Structure to Remain
 - Existing Structure
 - Existing Right-of-Way (ROW)
 - Overhead Eversource Line
 - Existing Tree Line
 - Railroad
 - Gate
 - Culvert
 - Hiking Trail
 - Existing Driveway
 - Existing Access
 - Existing Access Road to be improved
 - Proposed Access
 - Proposed Alternate Access
 - Pull Pad
 - Stone Work Pad
 - Existing Gravel Work Pad
 - Temporary Construction Matting
 - Proposed Tree Clearing
 - Delineated Intermittent Watercourse
 - Delineated Perennial Watercourse
 - Ordinary High Water Mark
 - Delineated Wetland Boundary Outline
 - Field Delineated Wetland
 - Open Water
 - Confirmed Vernal Pool Extent
 - 100' Vernal Pool Envelope
 - Aquifer Protection Area (CTDEEP)
 - Natural Diversity Database Area (Dec. 2017)
 - Critical Habitat (2009)
 - FEMA 100 Year Flood Zone
 - FEMA 500 Year Flood Zone
 - Eversource Owned Property
 - State-Owned Property
 - Approximate Parcel Boundary
 - Municipal Boundary
 - 5' Contour Line
 - Map Sheet Matchline

Map Notes:
Not for Construction. Parcel and ROW boundaries are approximate (not survey).
Parcel data provided by Comerstone Energy, LLC (02/2018).
Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design. Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

Base Map Source: 2016 CTECO Orthophotography

1 inch = 200 feet

EVERSOURCE ENERGY									
Transmission Line Maintenance Green Hill to Bokum Upgrade Project									
Clinton, CT					DAVISON ENVIRONMENTAL ALL-POINTS TECHNOLOGY CORPORATION				
Map Sheet 04 of 19									
June, 2018									
NO.	DATE	REVISIONS	BY	CHK	APP	APP			