

September 13, 2021

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

RE: Sub-Petition No.1293-MI-01

Dear Attorney Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No.1293-M-01 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Middlefield, Connecticut. The work includes replacing three existing wooden H-Frame transmission structures with new weathering steel H-Frame transmission structures.

Eversource sent the enclosed Sub-Petition to the town of Middlefield and notice to owners of directly abutting property (see Proof of Notice).

Please contact me at 860-728-4527 if you have any questions regarding the enclosed Sub-Petition.

Sincerely,



Kathleen M. Shanley
Manager – Transmission Siting

Attachments:

- Exhibit A. Sub-Petition
- Exhibit B. Sub-Petition Maps
- Exhibit C. Abutter Letter and Proof of Notice
- Exhibit D. Pictures

ATTACHMENT A

**THE CONNECTICUT LIGHT AND POWER COMPANY doing business
as
EVERSOURCE ENERGY**

Sub-Petition
CONNECTICUT SITING COUNCIL —PETITION NO.
1293
TRANSMISSION FACILITY ASSET
CONDITION MAINTENANCE
IMPROVEMENTS TO COMPLY WITH THE
UPDATED NATIONAL ELECTRIC SAFETY
CODE CLEARANCE REQUIREMENTS

Town: Middlefield

Sub-Petition No-1293-MI-01

Project: 387, 3041 Transmission Line Structure Replacement Project

Structure Location: Transmission Structures located in Middlefield, Connecticut

I. Introduction

In accordance with Condition 1 of the March 30, 2017 ruling by the Connecticut Siting Council (the "Council") (as set forth in the Council's August 31, 2017 letter) regarding Petition No. 1293 ("CSC Ruling"), The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") submits this Sub-Petition.

II. Description of Transmission Work Activities:

Eversource's 387 and 3041 Transmission Line Structure Replacement Project is part of an ongoing maintenance program, which evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to assure safe and efficient transmission of power to its customers. An engineering evaluation has determined that, due to asset condition, three structures require replacement on the portion of the 387 and 3041 Line, which is a 345-kV transmission line that extends from Black Pond Junction to Dooley Substation in Middlefield, Connecticut. The structures require a slight increase in structure height to accommodate clearance requirements.

Eversource plans to conduct transmission structure replacement work to remediate wood structure damage caused by structure age, weather, and woodpecker activity. The following work ("Work Activities") will be performed:

- Replace 2 existing wood H-Frame single-circuit structures (30032 and 30045 on the 3041 Line) with 2 new single-circuit weathering steel structures.
- Replace 1 existing three-pole single-circuit angle structure with 1 three-pole single-circuit weathering steel angle structure (19023 on the 387 Line).

- Each of the proposed structures will be no taller than 5 feet higher than the existing structure being replaced.
- Each of the proposed structures will be installed within 10 feet of the existing structure location.
- Structures 30045 and 30032 will require Sunday work on November 21, 2021 due to the limited outage duration to complete the work.

III. No Substantial Adverse Environmental Effect:

Eversource respectfully submits that the proposed modifications would have no “substantial adverse environmental effect” pursuant to Conn. Gen. Stat. § 16-50k, based on the following factors:

- a. Work would take place within Eversource’s existing right-of-way (“ROW”) utilizing existing access routes (collectively the “Work Area”).
- b. Work Activities would result in +/- 14,053 square feet of temporary wetland impacts limited to construction matting required to access structure 19023 and to replace structure 30032. Work within wetland systems would be conducted in accordance with Eversource’s *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements)*, September 2016 (“BMPs”).
- c. Structure 30032 is located within a vernal pool envelope. A temporary timber mat work pad will be used to replace the structure. All work will be conducted during the non-breeding season.
- d. According to Eversource’s review of the Department of Energy and Environmental Protection’s (“CTDEEP”) Natural Diversity Data Base (“NDDB”), Work Activities do not require a NDDB consultation.
- e. The structure replacements would require minor tree trimming and/or vegetation mowing within the managed ROW corridor to improve access to portions of the Work Area.
- f. A review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that no National or State Register of Historic Places (NR/SR) properties or historic districts are located within 500 feet of the Work Area. Results of the Phase 1A cultural assessment indicate that the Work Area has no/low archaeological sensitivity and no additional archaeological examinations were recommended prior to construction.
- g. Structure height increases of replacement structures average approximately 5 feet and such increases will not exceed 5 feet.
- h. Replacement structures would be located within 10 feet of existing structures.
- i. There are no 100-year flood zones in the Work Areas where the proposed Work Activities would be performed.
- j. There would be no change in noise levels following installation of the new structures.
- k. Any changes in electric and magnetic field levels off of the ROW would be negligible.

IV. Mitigation:

Temporary environmental effects from construction will be mitigated as follows:

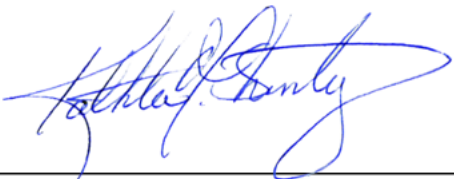
- Erosion and sediment controls (“E&S”) will be employed and maintained, as needed, throughout the execution of the Work Activities in accordance with the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control* and the BMPs.
- Potential impacts to wetlands will be mitigated with the use of temporary construction matting and adherence to the BMPs.
- Eversource’s contractor will perform construction sequencing such that any earth materials are exposed for a minimum of time before they are covered, seeded, or otherwise stabilized to prevent erosion.
- During construction, when necessary, anti-tracking mats would be installed at construction entrances onto public roads to prevent tracking of soil onto local streets.
- Upon completion of the Work Activities, all disturbed/exposed areas would be stabilized and revegetated. After the establishment of permanent ground cover, Eversource’s contractor would remove the temporary E&S controls and remove/dispose of any accumulated sediments and debris from areas where such measures were used.

V. Access

No new access roads will be constructed. Existing access roads may be hardened and temporarily widened at turning areas to facilitate the safe passage of construction vehicles.

Eversource would access the Work Areas by entering its ROW from existing access points from public roads and then continue on existing access routes as follows:

- Jackson Hill Road, Middlefield for structure 30045
- For passenger vehicles only, Main Street, Middlefield for structure 30045
- Cider Mill Road, Middlefield for structure 19023
- Laurel Brook Road, Middlefield for structure 30032

By: 

Kathleen M. Shanley
Manager – Transmission Siting

Sub-Petition Maps

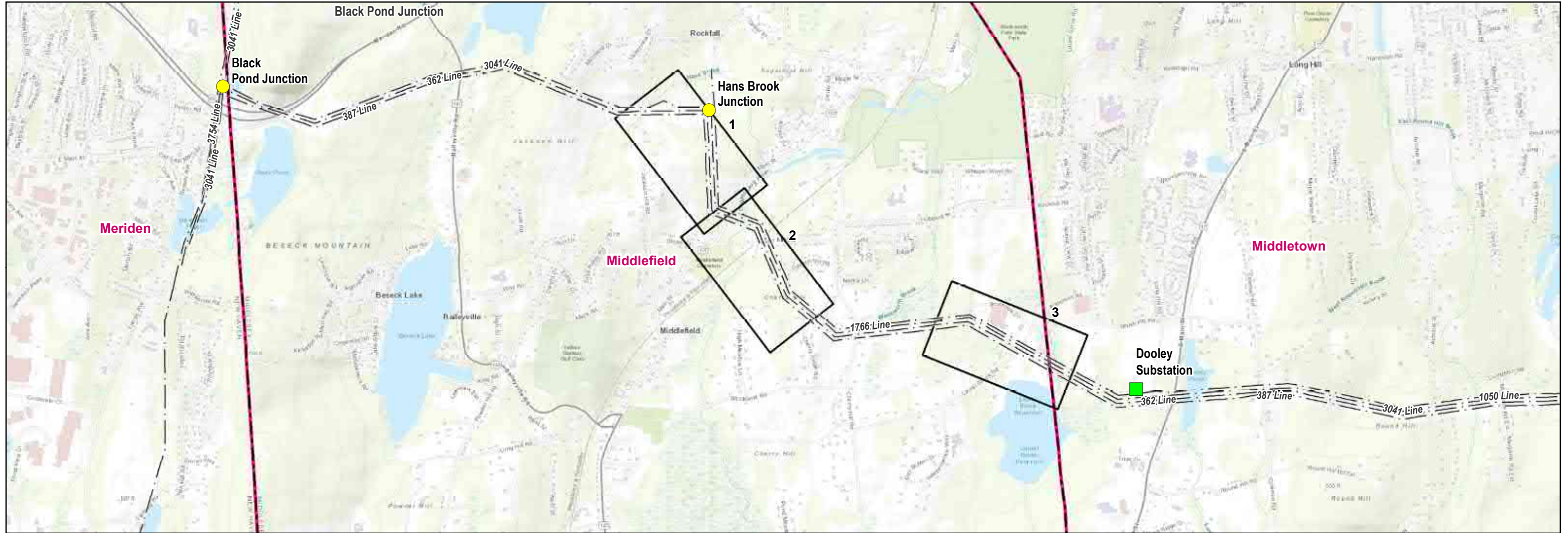
387 and 3041 Lines Transmission Structure Replacements Project

Black Pond Junction to Dooley Substation

MIDDLEFIELD, CT
Sub-Petition Map Set

FINAL Map Set

Date: September 2, 2021



Legend

- Junction
- Substation
- Map Sheet
- Municipal Boundary

PREPARED FOR:
EVERSOURCE
ENERGY
107 Selden Street
Berlin, CT 06037



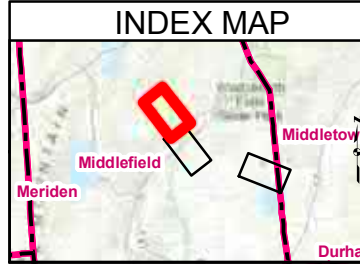
INDEX OF FIGURES
Title Sheet / Index Map
Map Sheets 1-3

NO.	DATE	REVISIONS

PREPARED BY:
AECOM
500 Enterprise Drive
Rocky Hill, CT 06067



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Legend	
● Proposed Structure <small>Str.Label</small>	○ Proposed Access
● Existing Structure <small>Str.Label</small>	--- Overhead Eversource Line
○ Existing Structure to be Removed <small>Str.Label</small>	--- Field Delineated Wetland Boundary Outline
--- Existing Access	■ Field Delineated Wetland
	■ Rare Species (June 2021)
	■ FEMA 100-year Flood Zone
	■ FEMA Floodway
	— Existing Right-of-Way (ROW)
	■ Eversource Owned Property
	□ Parcel Boundary
	--- Map Sheet Matchline
	■ Gate
	--- 5' Contour Line
	LL#100 LLNs/Property Owner

387 and 3041 Lines Transmission Structure Replacements Project

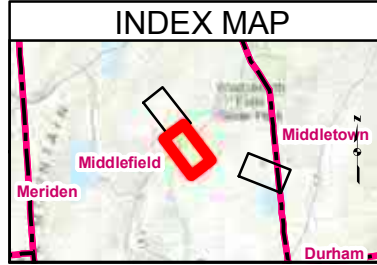
Middlefield, CT

MAP SHEET 1 OF 3

9/1/2021



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Legend

● Proposed Structure Str.Label	— Overhead Eversource Line	— Delineated Perennial Watercourse	— Existing Right-of-Way (ROW)	--- Map Sheet Matchline
● Existing Structure Str.Label	— Field Delineated Wetland Boundary Outline	— Rare Species (June 2021)	— Eversource Owned Property	⊕ Gate
○ Existing Structure to be Removed Str.Label	— Field Delineated Wetland	— FEMA 100-year Flood Zone	— Parcel Boundary	— 5' Contour Line
— Existing Access		— FEMA Floodway	— 100' Vernal Pool Envelope	LL# 100 LLNs/Property Owner
— Proposed Access			— Potential Vernal Pool Extent	

0 100 200 Feet
1 inch = 200 feet

EVERSOURCE ENERGY

387 and 3041 Lines Transmission Structure Replacements Project

Middlefield, CT

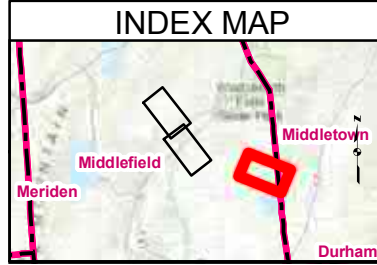
MAP SHEET 2 OF 3

9/1/2021

AECOM



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Legend <ul style="list-style-type: none"> ● Proposed Structure <i>Str.Label</i> ● Existing Structure <i>Str.Label</i> ○ Existing Structure to be Removed <i>Str.Label</i> — Existing Access — Overhead Eversource Line — Field Delineated Wetland Boundary Outline — Field Delineated Wetland — Public Water Supply Watershed — Delineated Perennial Watercourse — Existing Right-of-Way (ROW) — Eversource Owned Property — Parcel Boundary — 100' Vernal Pool Envelope — Potential Vernal Pool Extent — Gate — 5' Contour Line — Municipal Boundary 		<ul style="list-style-type: none"> LL# 100 LLNs/Property Owner 			
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EVERSOURCE ENERGY 387 and 3041 Lines Transmission Structure Replacements Project Middlefield and Middletown, CT	
MAP SHEET 3 OF 3	AECOM
9/2/2021	

Abutter Letter and Proof of Notice

September 13, 2021

Dear Neighbor,

As part of our everyday effort to deliver reliable energy to our customers and communities, we're planning work in your area to replace electric transmission structures. Maintaining the infrastructure that supports the electric lines is one of the ways Eversource ensures the safe, secure transmission of electricity throughout the region.

You're receiving this letter and a copy of the Sub-Petition because the proposed work would be taking place within the right-of-way in Middlefield & Middletown. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-MI-03 this week to the Connecticut Siting Council (CSC) for its review.

About This Electric System Improvement: What You Can Expect

First, we want you to know that this work will not interrupt electric service to your area.

As part of this project, we are proposing to replace, and slightly increase the height of existing wood structures. The new, weathering steel structures will increase in height by 5 feet or less.

We are proposing to do the work within the existing rights of way on or near your property. The new structures will provide continued reliability of the transmission system.

The safety of our employees, our customers, and the public is our top priority during the ongoing coronavirus public health crisis. Our commitment to safety, first and always, is continuous.

At the same time, Eversource must fulfill its foundational mission to deliver safe, reliable services to our customers. We continue to call on our employees and contractors to perform essential work, such as this proposed project, that maintains and improves the reliability of our networks, while also adapting our work practices to incorporate social distancing, heightened hygiene, and other best practices to protect their, and the public's, health.

Connecticut Siting Council Process and Timing

With this letter, Eversource is providing notice to you of its proposed work activity, as described in the enclosed Sub-Petition. If you have any comments or concerns about the project, please send them to the CSC at the following address within 30 days of the date of this letter: Melanie Bachman, Executive Director; Connecticut Siting Council; Ten Franklin Square; New Britain, CT 06051. You may also email them to the siting.council@ct.gov. If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-MI-03 in your correspondence.

Our Commitment to You

We are committed to being a good neighbor and doing our work with respect for you and your property. If you would like more information about this work please call 1-800-793-2202, or send an email to ProjectInfo@eversource.com. Thank you.

Sincerely,

Aparna Phadnis

Aparna Phadnis
Project Manager for Eversource Energy

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Sec. 16-50j-40 of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the affected municipalities, property owners and abutters shall be submitted with a petition for declaratory ruling to the Connecticut Siting Council ("Council"). In accordance with that RCSA section, I hereby certify that I caused notice of the petition for a declaratory ruling of The Connecticut Light and Power Company doing business as Eversource Energy to be served by mail or courier upon the following municipal officials:

- Mayor Ben Florsheim
City of Middletown
245 deKoven Drive
Room 209
Middletown, CT 06457

I also certify that I caused notice of the proposed modifications to be served by mail or courier upon owners of abutting properties shown on the List of Abutters included in Exhibit C of the Sub-Petition.

Christine Farrell
Siting Specialist

On this the 13th day of September 2021, before me, the undersigned representative, personally appeared, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public/My Commission expires: SEPT. 30, 2021

Officer of the Superior Court/ Juris No.: N/A



Pictures



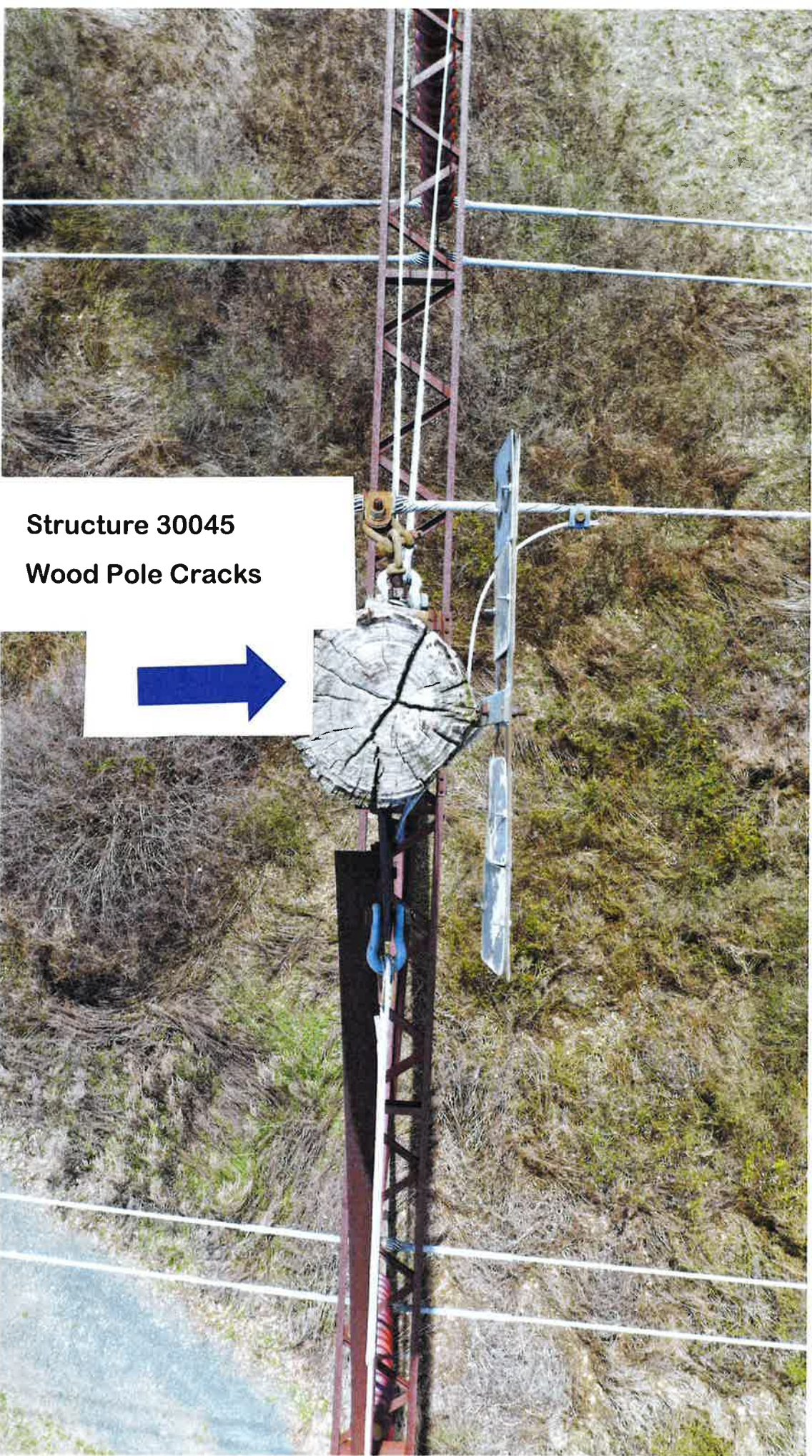
Structure 19023

Wood Crack

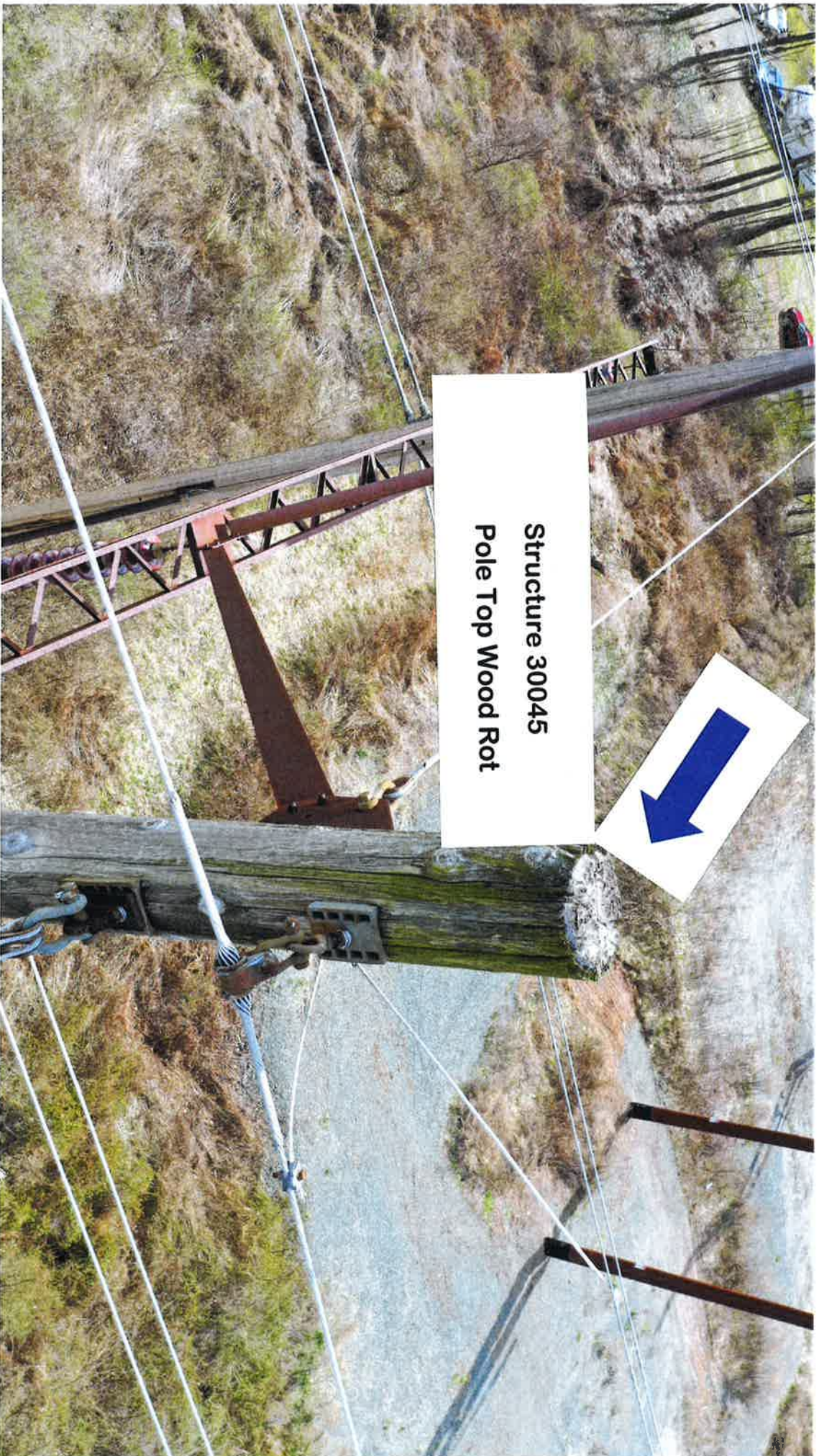


Structure 30032

Wood Crack



Structure 30045
Wood Pole Cracks



**Structure 30045
Pole Top Wood Rot**