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*****This Document Supersedes DTRs 05.309, 05.310, 05.311, 05.312, 05.313 & 05.314.**

Scope:

This document outlines the requirements for any pole type including Wood, Steel, and Composite.

Safety:

Providing a work environment, free of recognized hazards is a value at Eversource. Therefore, prior to the start of any work, ensure that you are familiar and knowledgeable with all Eversource Safety Rules, Policies and Procedures that are applicable to the work and tasks at hand and perform a job brief at the job site, prior to commencing work. PPE requirements to protect the worker shall be followed as required in the Eversource Employee Safety Manual.

Approved by: *Signature on File* Date: 01-May-26

[redacted]
Manager, T&D Standards Engineering

Rev No.	Description	Date
0	Original Document. This Document Supersedes DTRs 05.309, 05.310, 05.311, 05.312, 05.313 & 05.314.	May 1, 2026

REDACTED

1.0 Introduction 3
2.0 Reference Documents 3
3.0 Bill of Materials 3
4.0 Pole Types 3
4.1 Wood 3
4.2 Steel 3
4.3 Composite 4

1.0 Introduction

1.1 This document details the installation requirements for any pole type including Wood, Steel, or Composite.

2.0 Reference Documents

CAT 2003	Distribution Pole Selection
DTR 05.081	Distribution Poles Numbering & Marking
DTR 05.307	Pole Reflectors
DTR 10.642	Steel Pole Construction 34.5KV Signs, Line & Structure Aerial & Base Markers
DTR Section 06	Pole Loading & Support
WMS 08.15	Distribution Wood Pole Inspection, Testing, and Restoration

3.0 Bill of Materials

Row	Description	Item No.
1	Distribution Pole Selection	See **CAT 2003**
2	Silicone Sealant	501128
3	Step Rung	529994
4	Pole Eye Plate	590132

4.0 Pole Types

4.1 Wood

4.1.1 Treatments for wood poles can be CCA or DCOI types and range in size from 35 to 55 feet.

4.1.2 For pole dimensions and weights, refer **WMS 08.15**. Be aware a pole branded for a specific size can be larger at the butt end making it heavier than its typical weight. Inspect the pole prior to loading for transport, if the butt diameter appears oversized, add 200 pounds to the expected typical weight.

4.1.3 Pole tagging, refer to **DTR 05.081**. Pole reflectors, refer to **DTR 05.307**.

4.2 Steel

4.2.1 Poles 60 feet and longer are two sections that are joined together on site.

4.2.2 Arresters are the only equipment to be installed on steel poles. Transformers, reclosers, capacitors, switches, and other equipment shall be installed on wood poles.

4.2.3 Pole depth shall be 10 percent of pole height plus 2 feet, which is the typical pole installation depth. In unstable soil increased setting depth, selected backfill, or pole caissons may be required.

4.2.4 All pole holes shall be dug as small in diameter as practicable. In general, the hole shall be only large enough to receive the butt of the pole and allow the use of the tamping bar around the pole for full depth of the hole after the pole is in place.

4.2.5 The disturbance of a greater area of earth or rock than is necessary in digging the hole shall be avoided. Any part of a rock hole larger than twice the pole diameter at the groundline shall be counted as earth in determining pole setting depth.

4.2.6 Apply clear silicone sealant **Item #501128**, to all field drilled holes.

4.2.7 For MGY circuits, connect system neutral to ground connector on steel step rung **Item #529994**.

4.2.8 For additional information on pole numbering and labeling refer **DTR 05.305 future DTR 05.081**. or **DTR 10.642**.

4.3 Composite

4.3.1 Composite poles tend to slide during transport, it is recommended to use truck rack and nylon straps with neoprene feet for strapping. Do not drag the poles.

4.3.2 Set pole according to normal construction grade C 10% height of the pole +2 feet, or grade B 10% height of the pole +3 feet.

4.3.3 Any structural work is required to be thru-bolted. Lag screws can be used when a pilot hole is predrilled for streetlight applications not intended for structural loading, and bottom two holes on pole eyes for down guys.

4.3.4 There should not be any holes placed within the first 6 inches of the pole unless using a pole top pin.

4.3.5 Do not use cleated hardware, always use non-cleated hardware and tools.

4.3.6 For guy wiring use pole eye plate **Item #590132**. Refer **DTR Section 06** for additional details.