
Index 550-002 Fence Type B

ORIGINATION

Date: 1/23/25

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COMMENTARY

General redevelopment done in-line with the updates to 550-001. Materials notes were moved to their respective Div III specs.

COMMENTS AND RESPONSES

BLACK = Industry Review Comments **BLUE** = Standard Plans Response **GREEN** = Change Made to Index

Name: Kevin Micocci

Date: 8/7/25

COMMENT: I recommend providing a grounding detail when crossing under electrical lines. This is an often missed specification by Contractors, and the Standard Plan note is being removed. However, it is not clear how the grounding is intended to be tied to the metal mesh.

RESPONSE: Thank you for your comment. We will add a note into this Standard leading them to Specification 550 for grounding requirements. Connection requirements are also covered in Specification 550.

CHANGE MADE TO INDEX: Yes. New note added for Grounding Requirements.

Response Date: 8/21/25

GENERAL NOTES:

1. Meet the requirements of Specification 550.
2. Meet the requirements of the current editions of AASHTO and ASTM references for chain link fabric, posts, truss rods, tension wires, tie wires, stretcher bars, gates and all miscellaneous fittings and hardware.
3. Unless a specific material is called for in the plans the Contractor may elect to use either a single type of material or a combination of material types from the component options listed in the Specifications. Combinations of optional materials are restricted as follows:
 - (a) Only one fabric optional material will be permitted between corner and/or end post assemblies.
 - (b) Only one line post optional material will be permitted between corner and/or end post assemblies.
 - (c) Pull post assemblies must be optional materials identical to either the line post optional material or the corner and end post assembly optional material; but, pull post assemblies must be the same optional material between any set of corner and/or end post assemblies.
4. Use Class NS concrete for bases as specified in Specification 347 or a packaged, dry material meeting the requirements of a concrete under ASTM C-387. Materials for Class NS concrete can be proportioned by volume and/or by weight.
5. Install 8'-6" Long (Standard) line post. Set line posts in concrete as described above or by the following methods:
 - (a) In accordance with special details and/or as specifically described in the Plans and Specifications.
 - (b) In accordance with ASTM F567 Subsections 5.4 through 5.10 as approved by the Engineer. For line posts installed in accordance with Subsection 5.8 using 9'-6" long posts.
 - (c) For posts mounted on concrete structure or solid rock do so in accordance with the base plate detail "Fence Mounting On Concrete Endwall And Retaining Walls", Sheet 3; or, by embedment in accordance with ASTM F567 Subsection 5.5.

Install end, pull, and corner post assemblies in concrete as detailed above for all soil conditions other than solid rock. Post within assemblies that are located on concrete structures or solid rock must be set by base plate or by embedment as prescribed under (b) above for line post.

For 6' fence that must be lengthened due to a variation in the normal ground clearance, set line post assemblies an additional 3" in depth for each 1' of additional ground clearance.

6. Use pull post at breaks in vertical grades of 15° or more, or at approximately 350' centers except that this maximum interval may be reduced by the Engineer on curves where the curve is greater than 3°.
7. Install corner post at all horizontal breaks in fence at 15° or more and as required at vertical breaks over 15° as determined by the Engineer.
8. When fence has an installed top of fabric height less than 6' knuckled top and bottom selvages must be used unless the plans specifically identify locations for twisted selvage fabrics.
9. Unless sliding gates or special gates are called for in the plans, all gates must be chain link swing gates meeting the material requirements described and as approved by the Engineer.
10. For construction purposes corner post assemblies must consist of one corner post, two braces, two truss rods, and all necessary fittings and hardware as detailed. End post assemblies must consist of one end post, one brace, one truss rod and all necessary fittings and hardware as detailed.
11. In areas where there are physical constraints outside the right-of-way which restricts the fence construction, the fabric may be installed on the inside of the posts.
12. Install Electrical Grounds for Fence(s) that are installed within Electrical Transmission Right(s) of Way in accordance with Specification 550.

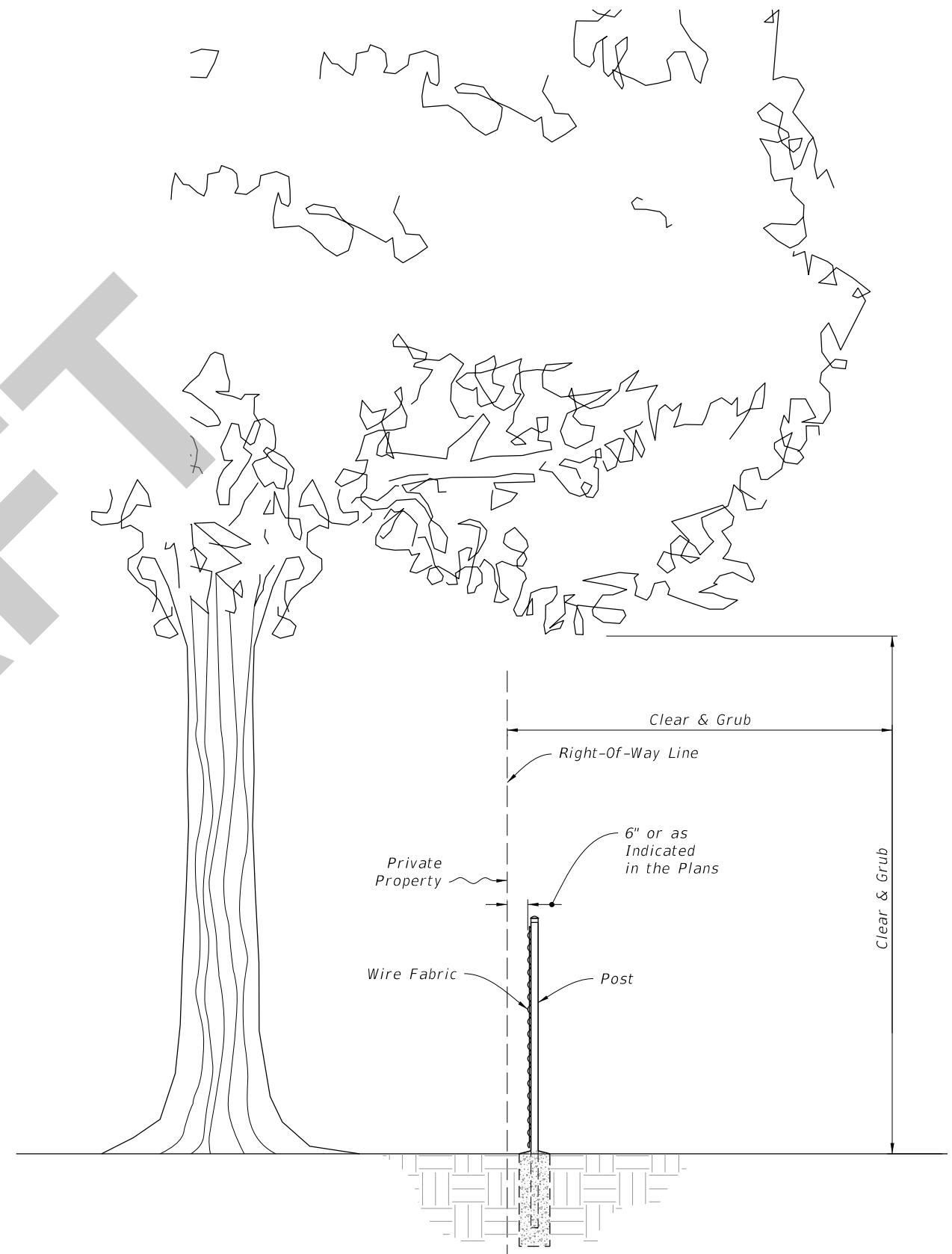


TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Corner or End Post Details and Pull Post Details
3	C Line Post, H-Beam Line Post, Fence Mounting on Concrete Wall and Retaining Walls, and Barb Wire Attachment

FENCE POSITION AT LOCATIONS WITHOUT FRONTAGE ROADS
 (REFER TO DETAIL PLANS FOR FENCE POSITION AT LOCATIONS WITH FRONTAGE ROADS)

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