## **Origination Form**

## Proposed Revisions to a Standard Plans Index

Originator:	Gibbs, Shae	Index Number:	550-001
Date:	1/23/2025	Sheet Number(s):	ALL
E-mail:	shae.gibbs@dot.state.fl.us	Index Title:	Fence Type A

#### Summary of the changes:

Sheet 1: Moved General Notes 2, 6a,b,c,d, 7 (recycled plastic requirements), 8, 10, 11, 19 (payment note) and 21 to Specifications 550, 954, 962, and 965. Updated General Note 3 to allow fencing wire to be installed on either side of the fence. Updated General Note 4 to reference Specification 550 and allow a combination of materials "with Engineer approval." Moved General Notes 4, 5a,c, 6e, 7 (staple note), 9, 15, 18, and 19 (gate note) to Sheet 2. Deleted notes that were already covered in the index details or Specifications.

Sheet 2: Redeveloped Farm Fence details installation details to match NEW Wildlife Fence details. Moved Fence Position detail to Sheet 1. Moved Design Note to the SPI. Created Farm Fence Notes. Added Typical Fence Location detail. Added "Steel, recycled plastic, and aluminum similar" to the Note.

Sheet 3: Moved Fastener details to NEW Sheet 5. Moved Splice details to Sheet 2.

Sheet 4: NEW 10' Wildlife Fence

Sheet 5: NEW Type A Fence Details

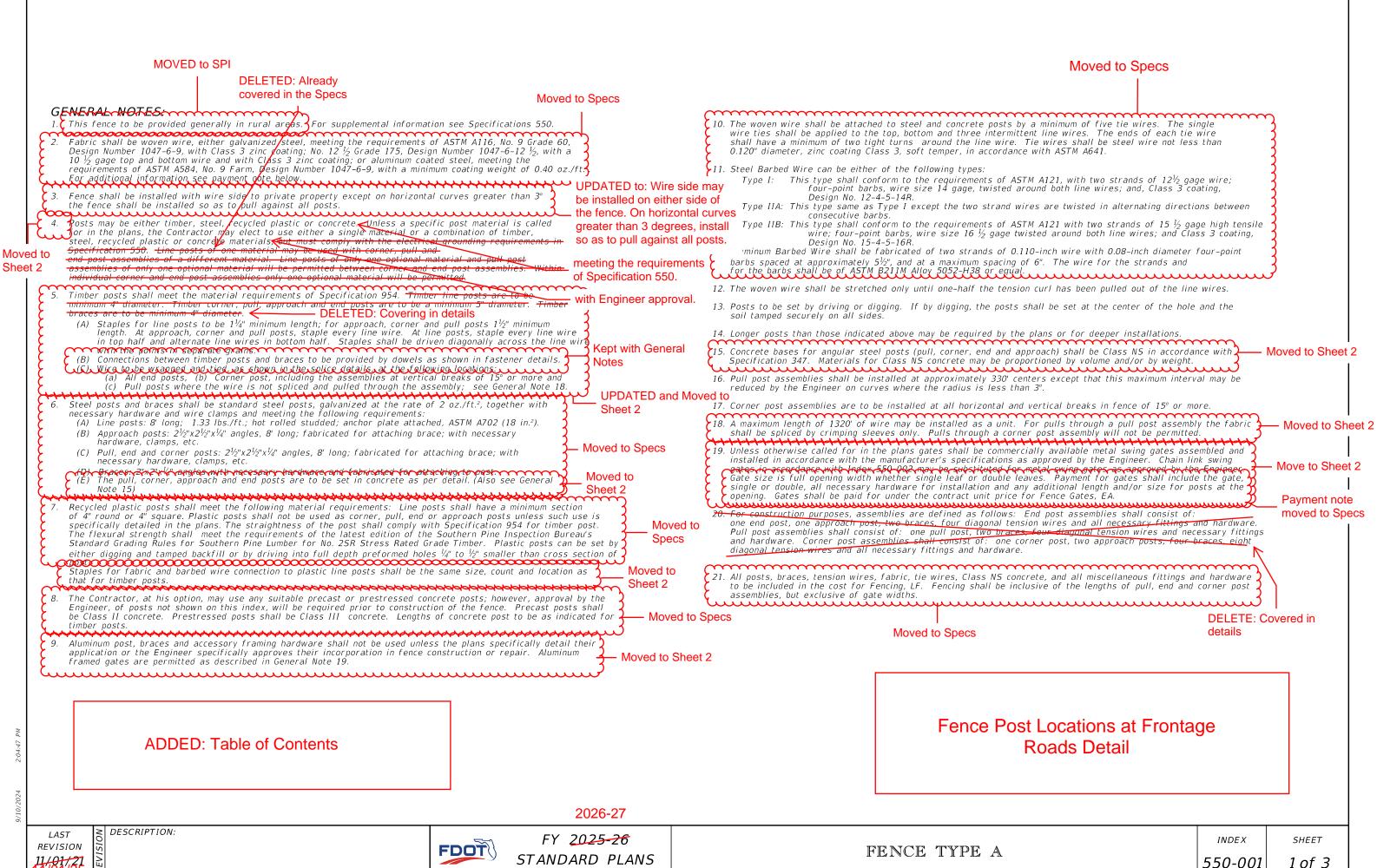
#### Commentary/Background:

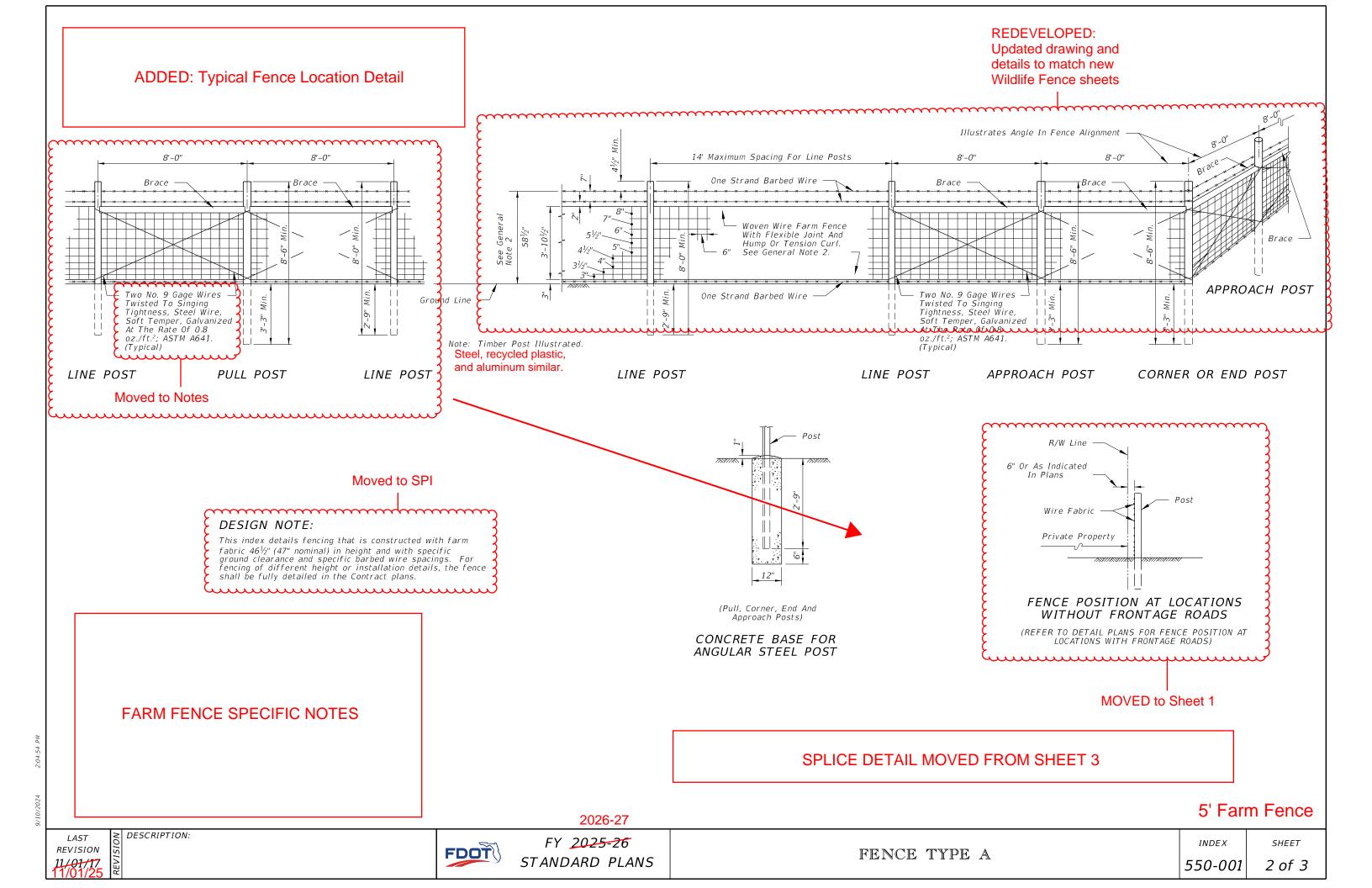
Worked closely with District 3 to add Wildlife Fence detail sheets at the request of the districts.

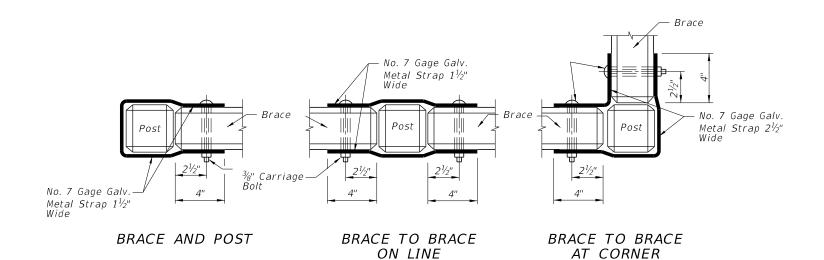
Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
FDOT Design Manual		No
Standard Specifications	Daniel Strickland	Yes
Basis of Estimates Manual	Ryan Gray	Yes
Approved Product List		No
Construction Office		No
Maintenance Office		No

## Implementation

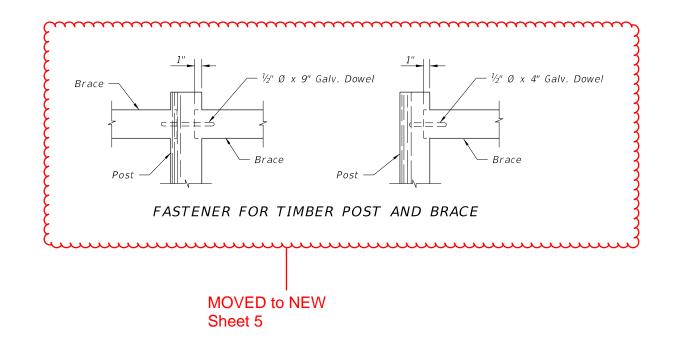
["FY-Standard Plans (Next Release)"]

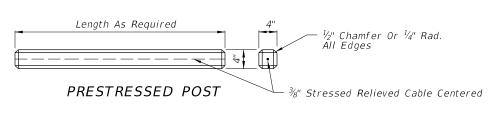


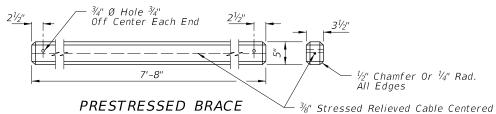


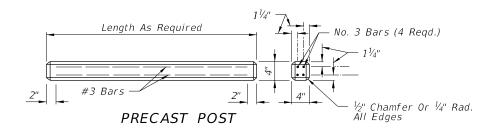


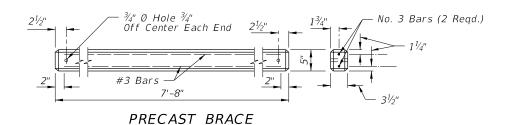
## FASTENER FOR CONCRETE POST AND BRACES





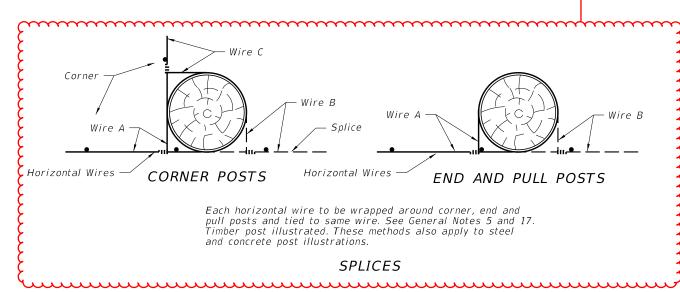






ALTERNATE CONCRETE POSTS AND BRACES

MOVED to Sheet 2



2026-27

5' Farm Fence

REVISION 11/01/17

DESCRIPTION:

FDOT

FY 2025-26 STANDARD PLANS

FENCE TYPE A

INDEX

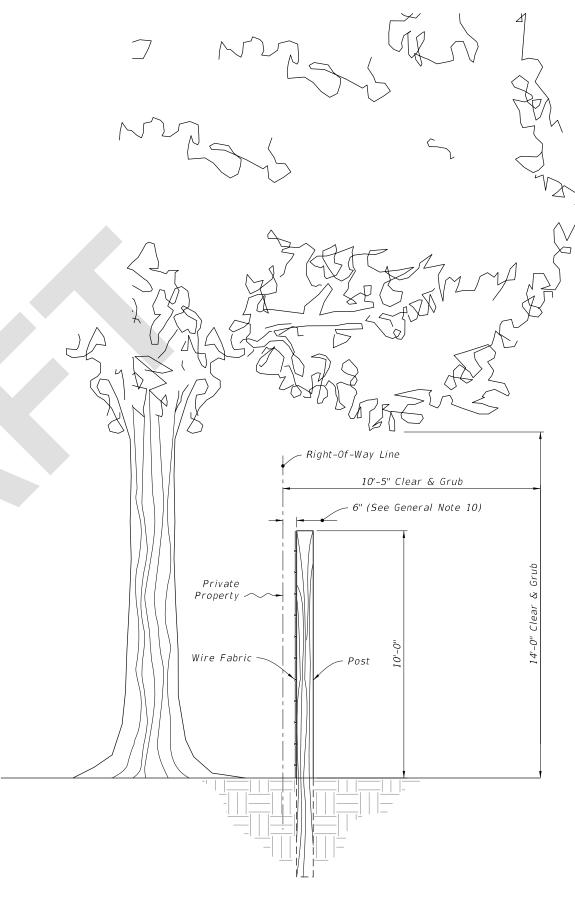
SHEET

550-001 3 of 3 SHEET 4: NEW Wildlife Fence Details and Notes

NEW SHEET 5: Type A Fence Details

- 2. Install woven wire side on either side of fence. Install fence, on horizontal curves greater than 3°, so as to pull against all posts.
- 3. Connections between timber posts and braces to be provided by dowels as shown in fastener details.
- 4. Stretch woven wire only until one-half the tension curl has been pulled out of the line wires.
- 5. Set posts by driving or digging. If by digging, set the post at the center of the hole and the soil tamped securely on all sides.
- 6. Longer posts than those indicated in this Index may be required in the Plans or for deeper installations.
- 7. Install pull post assemblies at approximately 330' centers except that this maximum interval may be reduced by the Engineer on curves where the radius is less than 3°.
- 8. Install corner post assemblies at all horizontal and vertical breaks in fence of 15° or more.
- 9. Install Electrical Grounds for fence that is installed within Electrical Transmission Right(s) of Way in accordance with Specification 550.
- 10. Install fence 6" inside the Right of Way line unless otherwise indicated in the Plans or by the Engineer.

	TABLE OF CONTENTS:
Sheet	Description
1	General Notes and Contents
2	5' Farm Fence – General Details
3	5' Farm Fence – Concrete Post, Brace, and Fasteners
4	10' Wildlife Fence - General Details
5	Timber Post and Brace Fasteners and Fencing Details at Culvert



== FENCE POSITION AT LOCATIONS WITHOUT FRONTAGE ROADS ======

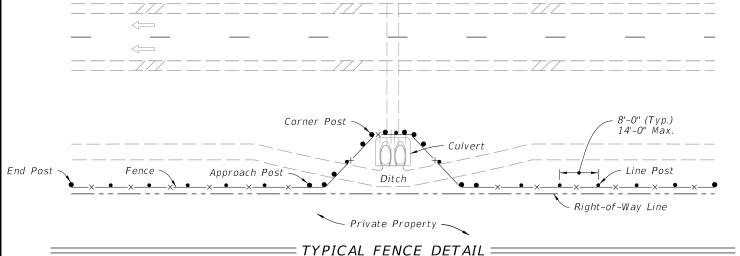
(Refer to Detail Plans for Fence Position at Locations With Frontage Roads)
(Wildlife Fence Shown, Farm Fence Similar)

LAST REVISION 11/01/25

DESCRIPTION:



0-001 1 of 5

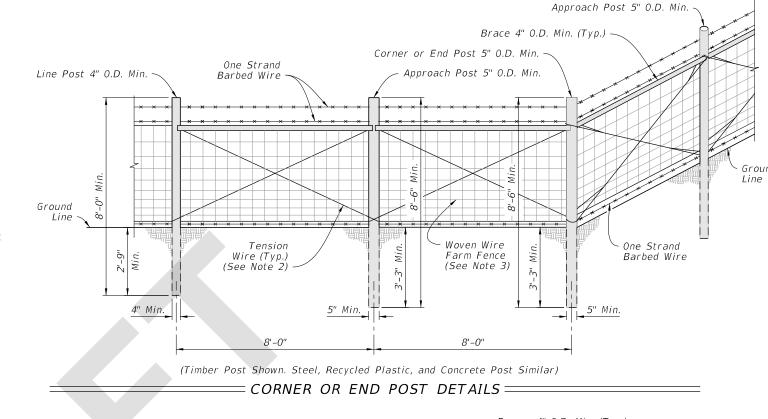


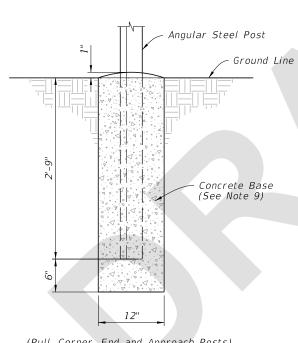
#### NOTES:

- 1. Posts may be either timber, steel, recycled plastic or concrete meeting the requirements of Specification 550. Unless a specific post material is called for in the plans, the Contractor may elect to use either a single material or a combination of timber, steel, recycled plastic or concrete materials with Engineer approval.
- 2. Install 2 No. 9 gage wires twisted to singing tightness, steel wire, soft temper, galvanized at the rate of 0.8 oz./ft. : ASTM A641.
- 3. Fence with flexible joint and hump or tension curl, meeting the requirements of Specifications 550.
- 4. For timber, staples for line posts to be  $1\frac{1}{4}$  minimum length; for approach, corner, and pull posts 1½" minimum length. At approach, corner, and pull posts, staple every line wire. At line posts, staple every line wire in top half and alternate line wires in bottom half. Drive staples diagonally across the line wire with the points in separate grains.
- 5. Wrap and tie wire, as shown in the splice details, at the following locations:
  - A. All end posts
  - B. Corner posts, including the assemblies at vertical breaks of 15° or more
  - C. Pull posts where the wire is not spliced and pulled through the assembly (See Note 10)
- 6. Steel pull, corner, approach and end posts are to be set in concrete as per detail. (See Note 9)
- 7. For recycled plastic posts, connect fabric and barbed wire to plastic line posts using staples the same size, count, and in the same locations as for timber posts.
- 8. Do not use aluminum posts, braces, and accessory frame hardware unless the Plans specifically detail their application or the Engineer specifically approves their incorporation in fence construction or repair. Aluminum framed gates are permitted as described in Note 11.
- 9. Use Class NS concrete in accordance with Specification 347 for Concrete bases for angular steel posts (pull, corner, end, and approach). Materials for Class NS concrete can be proportioned by volume and/or by weight.
- 10. A maximum length of 1320' of wire may be installed as a unit. For pulls through a pull post assembly, splice the fabric by crimping sleeves only. Pulls through a corner post assembly will not be permitted.

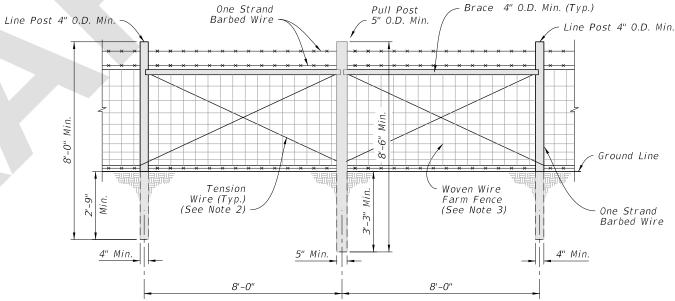
DESCRIPTION:

11. Unless otherwise called for in the Plans, gates to be commericially available metal swing gates assembled and installed in accordance with the manufacturer's specifications as approved by the Engineer. Chain link swing gates in accordance with 550-002 may be substituted for metal swing gates as approved by the Engineer. Gate size is full opening width whether single leaf or double leaves



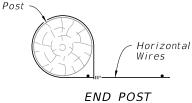


(Pull, Corner, End and Approach Posts)

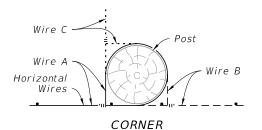


(Timber Post Shown. Steel, Recycled Plastic, and Concrete Post Similar) = PULL POST DETAILS :

# *CONCRETE BASE FOR* ANGULAR STEEL POST



Post Wire A Horizontal Wires **PULL POST** 



Each horizontal wire to be wrapped around corner, end, and pull posts are tied to same wire. See Note 5 and General Note 8. These methods also apply to steel and concrete post.

= WOVEN WIRE SPLICES =

5' FARM FENCE - GENERAL DETAILS

LAST REVISION 11/01/25

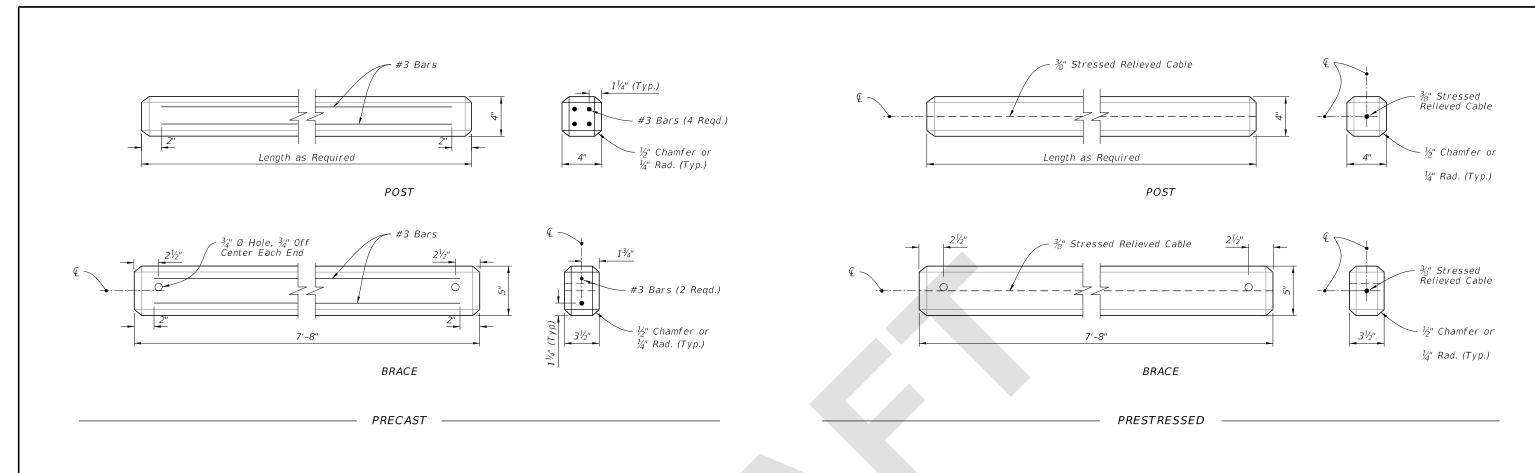
FDOT

FY 2026-27 STANDARD PLANS

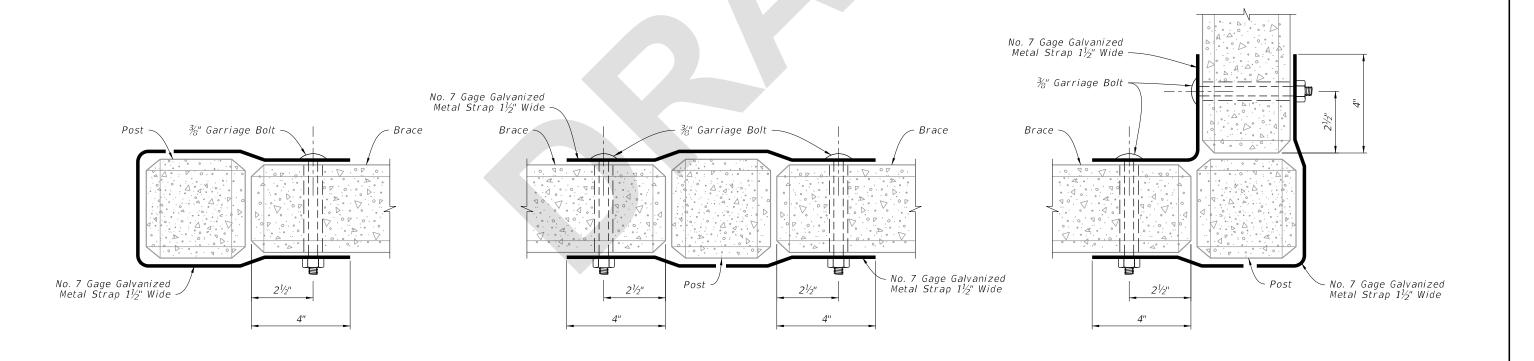
FENCE TYPE A

INDEX 550-001

SHEET 2 of 5



## CONCRETE POSTS AND BRACES =



= CONCRETE POST AND BRACE FASTENERS =

5' FARM FENCE - CONCRETE POSTS, BRACE AND FASTENERS

REVISION 11/01/25

DESCRIPTION:

FDOT

FY 2026-27 STANDARD PLANS

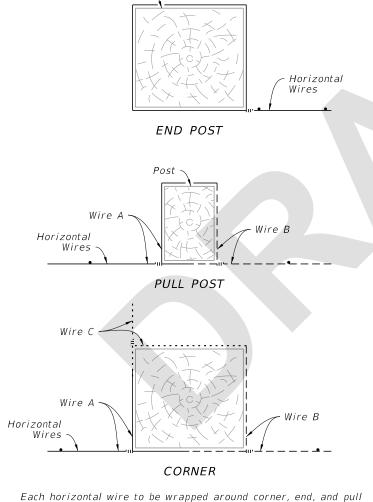
FENCE TYPE A

INDEX 550-001

SHEET 3 of 5

## NOTES:

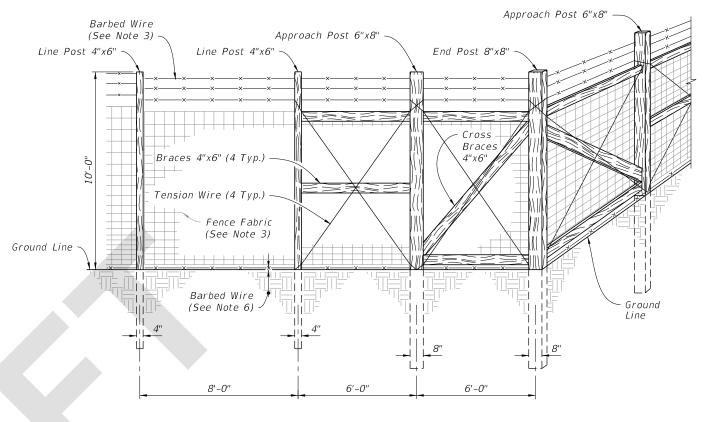
- 1. Post material(s) other than timber are prohibited. However, the contractor has the option of using metal posts in wetland areas (tangent sections only) at no additional cost to the Department.
- 2. For timber, staples for line posts are to be 1½" minimum length; for approach, corner, and pull posts, staple every line wire. At line posts, staple every line wire in top half and alternate line wires in bottom half. Drive staples diagonally across the line wire with the points in separate grains.
- 3. Install barbed wire and fence fabric in accordance with Specification 550.
- 4. Fence wire to be spliced with high-tensile fence splicing sleeves. Hand knotting/wrapping wire is not permitted. Splice all line wire unless otherwise directed by the engineer.
- 5. A maximum length of 660' of fence may be installed as a unit. For pulls through a pull post assembly, splice the fabric with high tensile fence splicing sleeves. Pulls through a cornerr post assembly will not be permitted.
- 6. Barbed wire is not to exceed 1" above natural ground between any post. Extra line post may be required.
- 7. Removal of existing fence is restricted to that which can be replaced with Wildlife Fence within the same work operation.
- 8. Clear and grub the area measuring 10.5' horizontally and 14' vertically from the fence line.
- 9. Tension wire to be two No. 9 gage wires twisted to singing tightness, steel wire, soft tempered, galvanized at the rate of 1.8 oz./ft², ASTM A641.



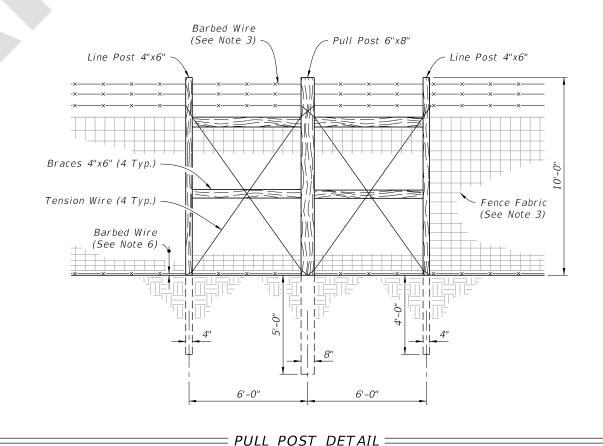
posts are tied to same wire. See Note 4 and General Note 8.

WOVEN WIRE SPLICES

Post



CORNER OR END POST DETAIL =



10' WILDLIFE FENCE - GENERAL DETAILS

LAST REVISION 11/01/25

FDOT

FY 2026-27 STANDARD PLANS

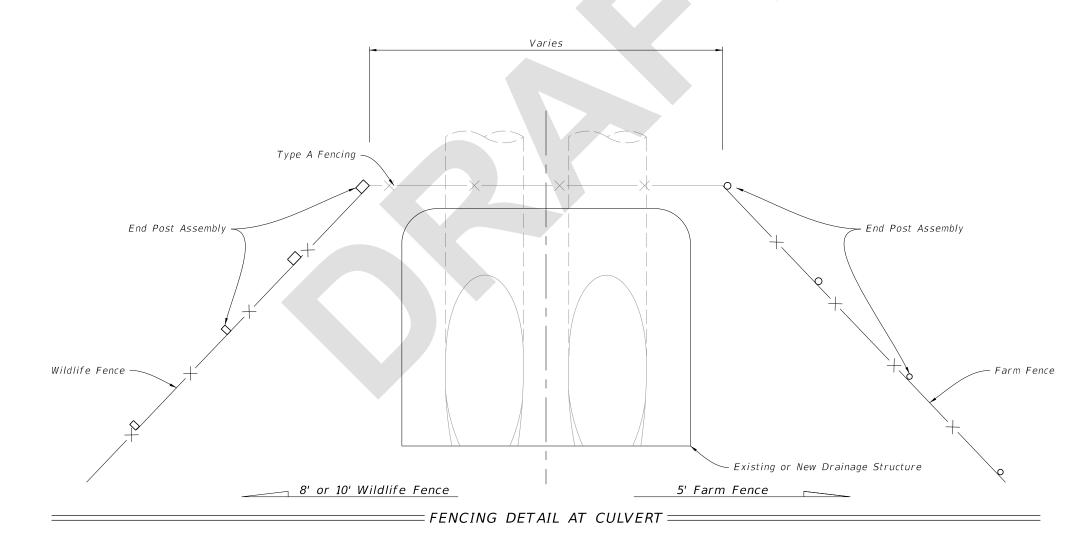
INDEX 550-001

SHEET 4 of 5

## NOTE:

Hurricane clips or mending plates on either side of brace may be substituted.

## TIMBER POST AND BRACE FASTENER



TIMBER POST AND BRACE FASTENERS AND FENCING DETAILS AT CULVERT

REVISION 11/01/25

DESCRIPTION:

FDOT

FY 2026-27 STANDARD PLANS

FENCE TYPE A

INDEX 550-001

SHEET 5 of 5