GENERAL NOTES CONTINUED

5. 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 note 4. Combinations of optional materials are restricted as follows:
(a) Only one fabric, optional material, or leafy material shall 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) Full post assemblies shall be optional material identical to either the linepost optional material or the corner and end post assembly optional material, but pulps post assembly shall be the same optional material between any set of corner and/or end post assemblies.

6. Concrete for bases shall be Class NS concrete as specified in Section 347 of the Standard Specifications or a packaged, dry material meeting the requirements of a concrete under ASTM C-367. Materials for Class NS concrete may be proportioned by volume and/or by weight.

7. Line post shall be 8'-0" long (Standard). Line post are to be set in concrete as described above or by the following methods:
(a) In accordance with special details and/or as specifically described in the contract plans and specifications.
(b) In accordance with ASTM F567 Subsections 5.4 through 5.10 as approved by the Engineer.
(c) Post mounted on concrete structure or solid rock shall be mounted in accordance with the base plate detail "Fence Mounting On Concrete Endwalls And Retaining Wall", Sheet 3 or, by embedment in accordance with ASTM F567 Subsection 5.5.

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

Line and assembly post set in concrete bases shall be set an additional 3" in depth for each 1' of fence height greater than 6'.

6. Pull post shall be used 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°.

9. Corner post are to be installed at all horizontal breaks in fence at 15° or more and as required at vertical breaks over 15° as determined by the Engineer.

10. When fences have an installed top of fabric height less than 6' knuckled top and bottom selvages shall be used unless the plans specifically identify locations for twisted selvage fabrics.

11. Unless specified, gaskets or specialty gaskets are called for in the plans, all gaskets shall be link swing gates meeting the material requirements described and as approved by the Engineer. Payment shall include the gates, single or double, all necessary hardware for installation, and any additional length, width, or height for posts of the opening. Gates shall be paid for under the contract unit price for Fence Gates, E4.

13. All posts, tension wire, chain link fabric, guy wires, Class NS concrete, and miscellaneous fittings and hardware to be included in the cost for Fencing, L.P.

### DESIGN NOTE

This index details fencing that is constructed with chain link fabric 6' (nominal) in height and with specific ground clearance. For fencing of different height or installation details, the fence shall be fully detailed in the Contract plans.

<table>
<thead>
<tr>
<th>TYPE IV VINYL COATED FABRIC</th>
<th>440HT/ MSBE Table 4</th>
<th>Redefined As Follows</th>
<th>PVC Thickness Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specified Diameter of Metallic Coated Core Wire</td>
<td>Minimum Weight of Zinc Coating</td>
<td>MSBE Class 2 (Extruded or Extruded and Bonded Coating)</td>
<td>MSBE Class 8 (Bonded Coating)</td>
</tr>
<tr>
<td>in.</td>
<td>mm</td>
<td>gage</td>
<td>oz./ft²</td>
</tr>
<tr>
<td>0.148</td>
<td>3.77</td>
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<td>0.30</td>
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<tr>
<td>0.210</td>
<td>5.33</td>
<td>to</td>
<td>0.35</td>
</tr>
<tr>
<td>0.250</td>
<td>6.35</td>
<td>0.025</td>
<td>0.40</td>
</tr>
</tbody>
</table>

### FENCE TYPE B

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**2010 FDOT Design Standards**

**Sheet No:** 27/4/10

**Designation No:** 3002

**Index No.:** 802
**Fence Position at Locations Without Frontage Roads**

(Refer to detailed plans for fence position at locations with frontage roads)

### Optional "C" Line Post

**Steel**
- Area (sq. in.): 7.6
- Weight (lbs./ft.): 2.72 ± 5% (Gurad.) 0.91 ± 5%
- Surface Area (SP/ft.): 0.776
- Tensile Strength (psi/Min.): 80,000
- Yielding Point (psi/Min.): 30,000
- 200,000

**Aluminum**
- Area (sq. in.): 7.6
- Density: 2.72
- Surface Area (SP/ft.): 0.776
- Tensile Strength (psi/Min.): 80,000
- Yielding Point (psi/Min.): 200,000

### Optional 1½" x 1½" H-Beam Line Post

**Steel 1½" x 1½" (ASTM A36) Galvanized or Aluminum 1½" x 1½" Alloy 6061-T6**

- ⅜" Dia Hole for ⅜" Galvanized Anchors, Nuts And Washers (4 Req'd)
- Steel ⅜" (ASTM A36) Galvanized or Aluminum ⅜" x 1½" Alloy 6061-T6

### Barb Wire Attachment

**BASE PLATE AND ANCHOR NOTES:**

1. Base plate is identical for top, pull end and corner posts and shall be considered an integral part of the respective posts for basis of payment.

2. Post to be plumbed by grout shim under base plate.

3. Anchors (Galvanized Steel):
   - ½" Dia Plate (4 Req'd)
   - ⅜" Dia Hole for ⅜" Galvanized Anchors, Nuts And Washers (4 Req'd)

**EXPANSION HOLES:**

- ⅜" Dia Plate (4 Req'd)
- ⅜" Dia Hole for ⅜" Galvanized Anchors, Nuts And Washers (4 Req'd)

**Expansion bolts Not Permitted.**

### Fence Mounting on Concrete Endwall and Retaining Walls

**Fence Type B**

- ½" Dia Plate (4 Req'd)
- ⅜" Dia Hole for ⅜" Galvanized Anchors, Nuts And Washers (4 Req'd)

**Expansion bolts Not Permitted.**

**Notes:**

Attachments to be used only when called for in the plans.
Attachments to extend in direction of restraint, unless otherwise called for in plans, direction of restraint will be as follows:
(a) Outward on limited access right of way line.
(b) Outward on controlled access right of way line.
(c) Outward from utilities and hazardous facilities located within highway right of way.
(d) Outward from lateral ditches, outfalls, retention basins, canals, borrow areas and similar support facilities.
(e) Outward on pedestrian ways.

The cap-warm shalale designed to provide a drive fit over the top of posts and to exclude moisture in posts with tubular sections.