**2010 FDOT Design Standards**

**HIGH MOMENT CAPACITY 30" SQUARE PRESTRESSED CONCRETE PILE**

**SECTION A-A**

- 2" Ø Hole (Splice Section only)
- 8" Ø Void
- E Pile & E Hole
- Prestressing Strands (Typ.)

**SECTION B-B**

- 2" Ø Hole (Splice Section only)
- 8" Ø Void
- E Pile & E Hole
- Prestressing Strands (Typ.)

**SECTION C-C**

- 8" Ø Hole (Splice Section only)
- 8" Ø Void
- E Pile & E Hole
- Prestressing Strands (Typ.)

**SECTION D-D**

- Elevation
- Section thru pile collar
- Detail of pile collar for high capacity 30" square prestressed pile

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**Detail A**

- Full epoxy compound joint
- Form to retain epoxy compound
- Barreled end of splice section

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**Detail of Pile Cap**

- Concrete
- Barreled end of splice section

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**notes**

1. Venting shalbe provided by the use of a 1" Ø PVC conduit through a substructure cap or column. Voids between segments of spliced piles shalbe connected by 2" Ø hole(s).

2. After the pile is driven and cut to grade, the top 18" Ø of the 18" Ø Void shall be filled with concrete. Prior to filling the top 18" Ø of the 18" Ø Void with concrete, strip the cardboard form material from the void. A strip-end-slice corrugated thin wall-polystyrene pipe may be used to form the void in lieu of the cardboard form material. The concrete fill material shalbe of the same type and strength as called for in the pile cap and paid for as substructure concrete.

3. Collar concrete shalbe a strength of 6,000 psi before pile driving is resumed.

4. Work this Index with Index No. 20600 = Notes and Details for Square Prestressed Concrete Piles.