GENERAL NOTES

1. Pipe shall be any of the asphalt types permitted in Section 443 of the Specifications unless otherwise restricted in the plans. Dissimilar types of pipe shall not be permitted in a continuous run of pipe.

2. Concrete pipe shall be placed with the slots positioned on sides.

3. Alignment joints are standard (gaskets not required). Recompression of metil pipe ends not required.

4. The contractor may submit other methods of placing slots having equal or greater area of opening, for approval by the Engineer.

5. Filter fabric shall be Type 1-2 sliding meeting the requirements of Section 905. Filter fabric joints shall be a minimum of one (1) foot.

6. The standard cross section shall be constructed unless other section(s) described or detailed in the plans.

7. For supplemental details see Index No. 280.

8. The contractor shall take the necessary precautions to prevent contamination of the trench with sand, silt and foreign materials.

9. French drains following the typical cross section shall be paid for under the contract unit price for French Drain (F). The unit price shall include the cost of pipe, pipe plugs, pipe fittings, aggregate and filter fabric in place, and the cost for trench excavation, backfill and compaction. The unit price shall also include the cost for disposal of surplus excavated materials and cost for restoration of pavement removed or damaged by French drain construction, but shall not include payments for items paid for elsewhere.

French drains with a significantly different cross section shall be paid for under the contract unit prices for separate items as follows:

(a) Slotted or Perforated Pipe Culvert, LF. Unit price shall include cost for pipe, pipe plugs and fittings in place.

(b) Blast Rock (French Drain Aggregate), CY. Unit price shall include cost for coarse aggregate in place, and cost for trench excavation, backfill and compaction. The unit price shall also include the cost for disposal of surplus excavated materials and cost for restoration of pavement removed or damaged by French drain construction, but shall not include payment for items paid for elsewhere.

(c) Plastic Filter Fabric (Subsurface), SY. Unit price shall be for cost of fabric in place. Quantity shall be determined by plan net dimensions of the fabric envelope.

DESIGN NOTES

1. Pipe invert should be at or above the water table whenever possible.

2. French drains with minor dimensional changes or otherwise different from the standard cross-section shall be either described or detailed in the plans. French drains with significantly different cross-sections shall be detailed in the plans.
SLOTTED PIPE OPTIONS

OPTION A - ROUND PIPE

SIDE VIEW

SECTION AA

SECTION BB

OPTION B - ROUND OR ELLIPTICAL PIPE

SIDE VIEW

SECTION AA

2010 FDOT Design Standards