GENERAL NOTES

1. The underdrain pipe shall be either 4" smooth or 5" corrugated tubing unless otherwise shown in the plans. The slabs to be founded will be based on the nearest interval diameter of a pipe with a smooth interior wall. Except when prohibited by the plans, the special provisions of this standard, pipe with a corrugated interior wall may be provided based on the following criteria:
   - 4" smooth interior equivalent to 5" corrugated interior
   - 5" smooth interior equivalent to 6" corrugated interior
   - 6" smooth interior equivalent to 8" corrugated interior

2. Fine aggregate shall be quartz and meeting the requirements of Section 902-4 of the Standard Specifications.

3. Coarse aggregate shall be gravel or stone meeting the requirements of Sections 902-2 or 903-2. The gradation shall meet Section 901.2, Grade A, B, or C unless otherwise shown in the plans.

4. Underdrain Type I, II, and III shall be in accordance with Section 440.

5. Filter fabric shall be Type 0-3 (See Index No. 99). The internal filter fabric of Type II underdrain shall have a permeability of 0.7 Darcy and an ADS of 4400.

6. When corrugated polyethylene tubing with a male or female thread is used in conjunction with this aggregate, a filter fabric must be used in accordance with Section 440.

7. See Index No. 500 for the allowable location of Type II and III underdrains. The location of Type II underdrain and non-allowable location of Type I, II, and III underdrains shall be as specified in the plans.

8. All filter fabric joints shall overlap a minimum of 12". The internal filter fabric of Type II underdrain shall overlap the coarse aggregate or the fine aggregate a minimum of 12".

9. Underdrain outlet pipe shall be non-ferrous and all bends shall be made using 1 1/2" 65 deg. elbows. 90 deg. bends shall be limited to 12" lengths or other equivalent structures. Underdrain outlet pipe shall be limited to 12" lengths or other equivalent structures. Underdrain outlet pipe shall be limited to 12" lengths or other equivalent structures.

10. All drain lines shall be terminated on the slabs of the smooth interior pipe. The contract unit price for underdrain, LF, shall be based on a cost of pipe, accessories, labor, all filter fabric, underdrain membranes, and concrete structural units.

The contract unit price for underdrain outlet pipe, LF, shall be based on the cost of concrete, structural units, concrete structural units, and filters. The contract unit price for underdrain inspection box, EA, shall be for the number completed and accepted.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

UNDERDRAIN

10/26/89

Approved By

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