GENERAL NOTES FOR CONCRETE PAVEMENT SUBDRAINAGE

1. No trench greater than 2 ft in depth will be allowed overnight. Trenches shall be backfilled at all times.

2. Concrete pavement subdrainage shall be constructed adjacent to the low edge of the roadway pavement and under travel lanes, auxiliary pavement and shoulders, as called for in the plans.

3. The concrete pavement subdrainage shall be constructed on a grade parallel with the edge of pavement profile, except on profiled fingers or one-tenth percent (0.1%). The concrete pavement subdrainage shall be constructed on a grade of one-tenth percent (0.1%).

4. Immediately prior to placing the filter fabric the entire vertical face of the concrete pavement shall be cleaned to remove all debris and excess water.

5. The contractor shall devise a procedure for placing the filter fabric in position on the vertical face of the trench. The procedure must be approved by the Engineer prior to placement of the subdrains.

6. The upper end of each separate run of the concrete pavement subdrainage shall be capped.

7. Outlet pipe shall be constructed of a minimum of 1000-lb. reinforced concrete or reinforcing steel rebar with the end of each pipe to be extended inside the concrete pavement subdrains pipe. The end of the pipe shall be of the same material as the outlet pipe but compatible with the pipe.

8. When directed by the Engineer, outlet pipe shall be extended into existing drain pipes into existing drain pipes or in an existing drain pipe at an elevation 6 ft above the lowest elevation of the outlet pipe. Concrete aprons and curbs are not required for elevations, but replacement shedding will be required at trenches for pipes inserted into open drain lines.

9. Concrete aprons and curb offsets are required for concrete pavement subdrainage from opposite directions to a single apron unless otherwise shown in the plans or otherwise directed by the Engineer.

10. Bedfill around outlet pipes shall be of concrete or asphalt, as directed.

11. Existing paved shoulder that is removed for the construction of outlet pipes shall be replaced with Type 5 asphaltic concrete, as shown on the plans.

12. The contractor shall provide concrete pavement outlet pipes (4"") on a full compensation for removal of existing shoulder pavement, trench excavation, pipe and fittings, concrete apron, concrete curb, and inlets, including all existing trees and paved driveways, restoration of asphalt pavement, bedfill in place, and disposal of excess materials.

HOLE PATTERN SUBDRAINAGE PIPE

4" EDGEGRAIN OUTLET

PLAN - OUTLET PIPE APRON

SECTION BB

5 FT MIN. COVER

4" Dia. Minimum Outlet Pipe (Preformed)