GENERAL NOTES FOR CONCRETE PAVEMENT SUBDRAINAGE

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

2. Concrete pavement subdrainage shall be constructed adjacent to the low side of the roadway pavement and under right edge, auxiliary pavement and shoulders, as called for in the plans. When the low edge shifts between outside and inside edges of pavement the concrete pavement subdrainage shall extend 50' beyond and begin 50' before the flat point (200 overlap).

Concrete pavement subdrainage shall be placed on the low side of ramps of crossroad terminals.

3. Concrete pavement subdrainage shall be constructed as a gross parallel with the edge of pavement profile. Adjacent to profiles steeper than one-tenth percent (0.10%) the concrete pavement subdrainage shall be constructed at a slope of one-half percent (0.50%).

4. Immediately prior to placing the filter fabric the entire surface area of the concrete pavement shall be cleaned to remove adhering base material and soil.

5. The Contractor shall provide a procedure for holding the filter fabric in position on the surface of the trench. The procedure shall be approved by the Engineer prior to placement of the concrete.

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

7. Outlet pipes shall be constructed at a maximum of 500' intervals. Elbows or 1/8 bends shall be used to connect the outlet pipe to the concrete pavement subdrainage pipe.

8. Existing paved shoulder that is removed for the construction of outlet pipes shall be replaced with Type SP asphaltic concrete at the rate of 500 LB per SY.

Backfill around outlet pipes shall be of cohesive soils, draincrete will not be permitted.

Existing paved shoulders that are replaced with Type SP asphaltic concrete at the rate of 500 LB per SY.

9. The contract unit price for Edgedrain Outlet Pipes (14") LPI shall be full compensation for removal of existing shoulder pavement, trench excavation, pipe and fitting, concrete apron, hardware cloth, sod, stubbing into existing inlets and paved ditches, restoration of ditch pavements at an elevation 6" above the inlet flowline or ditch bottom. When directed by the Engineer, outlet pipes shall be stubbed into existing inlets or into existing ditch pavements at an elevation 5" above the user flowline or ditch bottom. Concrete apron and bordering sod are not required for stubbed outlets, but replacement hardware cloth, sod, stubbing into existing inlets and paved ditches.

Concrete pavement subdrainage shall extend 50' beyond and begin 50' before the flat point (200 overlap). Forée is acceptable to provide minimum 0.1% outlet pipe slope when directed by the Engineer.

When directed by the Engineer, outlet pipes shall be stubbed into existing inlets or into existing ditch pavements at an elevation 5" above the user flowline or ditch bottom. Concrete apron and bordering sod are not required for stubbed outlets, but replacement hardware cloth, sod, stubbing into existing inlets and paved ditches.

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4. Immediately prior to placing the filter fabric the entire surface area of the concrete pavement shall be cleaned to remove adhering base material and soil.

5. The Contractor shall provide a procedure for holding the filter fabric in position on the surface of the trench. The procedure shall be approved by the Engineer prior to placement of the concrete.

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

7. Outlet pipes shall be constructed at a maximum of 500' intervals. Elbows or 1/8 bends shall be used to connect the outlet pipe to the concrete pavement subdrainage pipe.

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9. The contract unit price for Edgedrain Outlet Pipes (14") LPI shall be full compensation for removal of existing shoulder pavement, trench excavation, pipe and fitting, concrete apron, hardware cloth, sod, stubbing into existing inlets and paved ditches, restoration of ditch pavements at an elevation 6" above the inlet flowline or ditch bottom. When directed by the Engineer, outlet pipes shall be stubbed into existing inlets or into existing ditch pavements at an elevation 5" above the user flowline or ditch bottom. Concrete apron and bordering sod are not required for stubbed outlets, but replacement hardware cloth, sod, stubbing into existing inlets and paved ditches.
Asphalt Pavement

Exist Concrete Pavement Tack

Draincrete 10" Min.

Shoulder Joint Seal

Index No. 305

Cut To A Neat Line Before Removal Of Shoulder Pavement

2. The contractor shall confine the construction of draincrete edgedrain to an area in which the entire operation can be carried out in five (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.

METHOD OF PAYMENT

NEW CONSTRUCTION:

The contract unit price for Edgedrain (Draincrete) LF shall be full compensation for trench excavation, disposal of excess materials, filter fabric, draincrete edgedrain pipe and fittings and draincrete.

Payment for outlet pipe shall be in accordance with General Note 3, Sheet 1 of 3.

REHABILITATION:

The contract unit price for Edgedrain (Draincrete) LF shall be full compensation for trench excavation, disposal of excess materials, filter fabric, draincrete edgedrain pipe and fittings and draincrete.

Payment for outlet pipe shall be in accordance with General Note 3, Sheet 1 of 3.

Shoulder pavement shall be paid for under the contract unit price for Type SP Asphaltic Concrete.

Shoulder Joint seal shall be paid for under the contract unit price for Pavement Joint, LF.

NOTES FOR DRAINCRETE PAVEMENT SUBDRAINAGE

1. The edgedrain sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified as MOG PAVEMENT on Index No. 505, Sheet 2 and 3.

2. The contractor shall confine the construction of draincrete edgedrain to an area in which the entire operation can be carried out in five (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.
CONCRETE TRAVEL LANE, SHOULDERS, AND AUXILIARY PAVEMENT

ASPHALT SHOULDERS

1. Payment shall be full compensation for trench excavation, disposal of excess materials, filter fabric, pipe, and fittings, necessary for concrete pavement subdrainage construction. Payment shall be included in the cost for Asphalt Treated Permeable Base, CY or Cement Treated Permeable Base, CY.

Payment for outlet pipe shall be in accordance with General Note 6, Sheet 1 of 3.

TREATED PERMEABLE BASE SUBDRAINAGE