GENERAL NOTES:

1. Do not leave trench greater than 2' in depth overnight. Barricade trenches at all times.

2. Construct concrete pavement subdrainage adjacent to the low edge of the roadway pavement and under travel lanes, auxiliary pavement and shoulders, as called for in the plans. Extend the concrete pavement subdrainage 50' beyond and begin 50' before the flat point (100' overlap) when the low edge shifts between outside and inside edges of pavement. Place concrete pavement subdrainage on the low side of ramps for crossroad terminals.

3. Install concrete pavement subdrainage on a grade parallel with the edge of pavement profile, except on profiles flatter than one-tenth percent (0.10%) install the concrete pavement subdrainage on a minimum grade of one-tenth percent (0.10%).

4. Remove adhering base material and soil from the vertical face of the concrete immediately prior to placing the geotextile. Provide and install Type D-3 geotextile in accordance with Specification 514.

5. Submit a procedure for holding the geotextile in position on the vertical face of the trench for approval by the Engineer prior to placing draincrete.

6. Cap the upper end of each separate run of the concrete pavement subdrainage pipe.

7. Install outlet pipes at 500' maximum intervals. Use elbows or 1/8 bends to connect the outlet pipe to the concrete pavement subdrain pipe. Use elbows or bends of the same material as the outlet pipe.

   Stub outlet pipes into existing inlets or into existing ditch pavements at an elevation 6" above the inlet flowline or ditch bottom when directed by the Engineer. Concrete apron and bordering sod are not required for stubbed outlets, but replacement sodding will be required at trenches for pipes stubbed into paved ditches.

   Install a single outlet apron for separate outlet pipes of concrete pavement subdrainage from opposite directions in sag vertical curves.

   Install backfill consisting of cohesive soils around outlet pipes.

8. Replace existing paved shoulder removed for the construction of outlet pipes with Type SP asphaltic concrete at the rate of 500 LB per SY.

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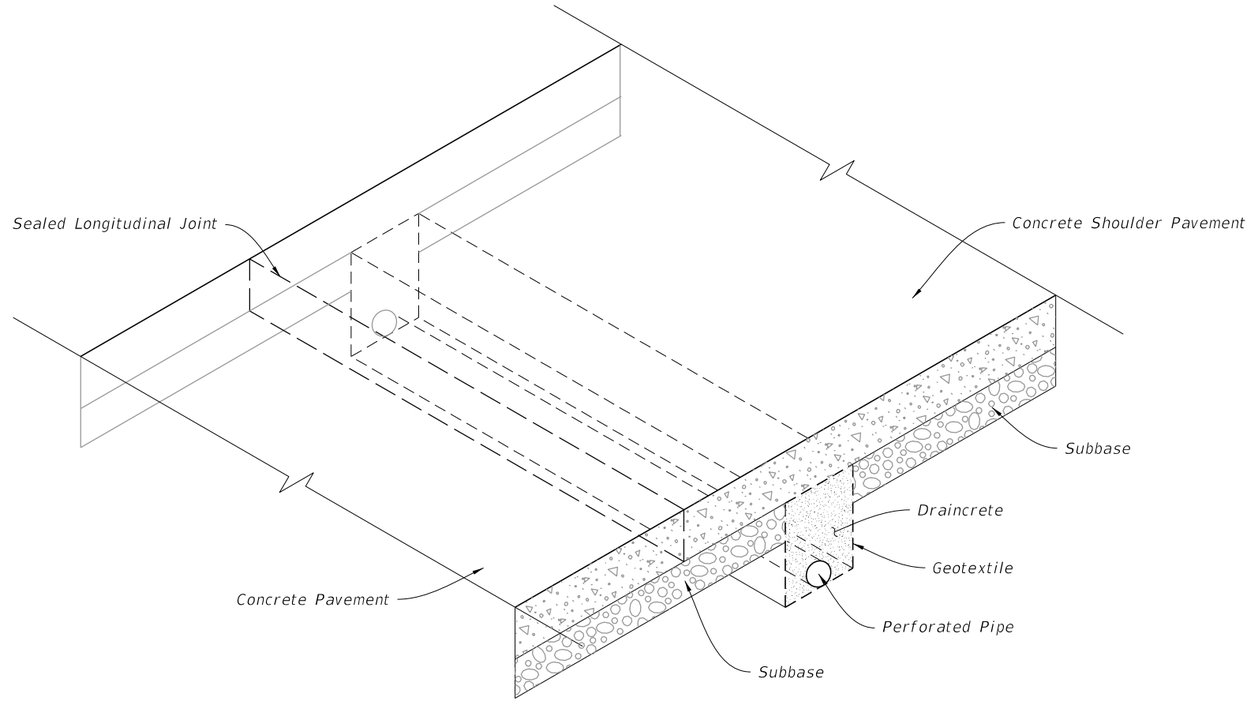

DRAINCRETE SUBDRAINAGE

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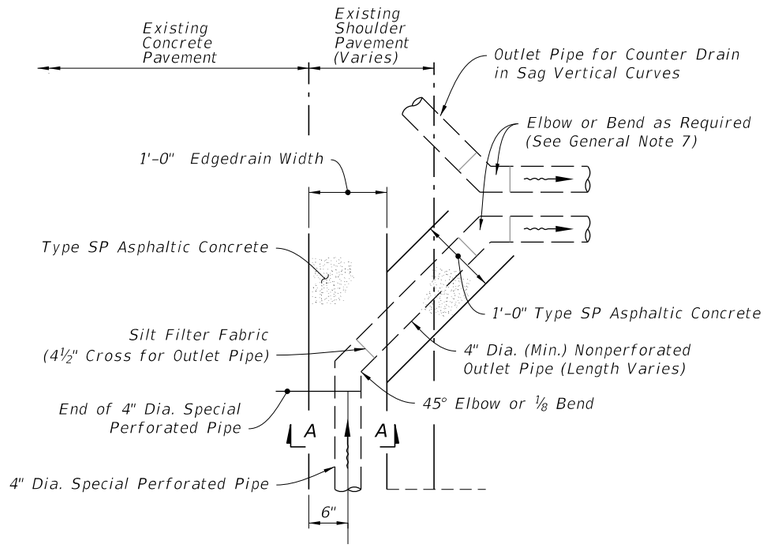
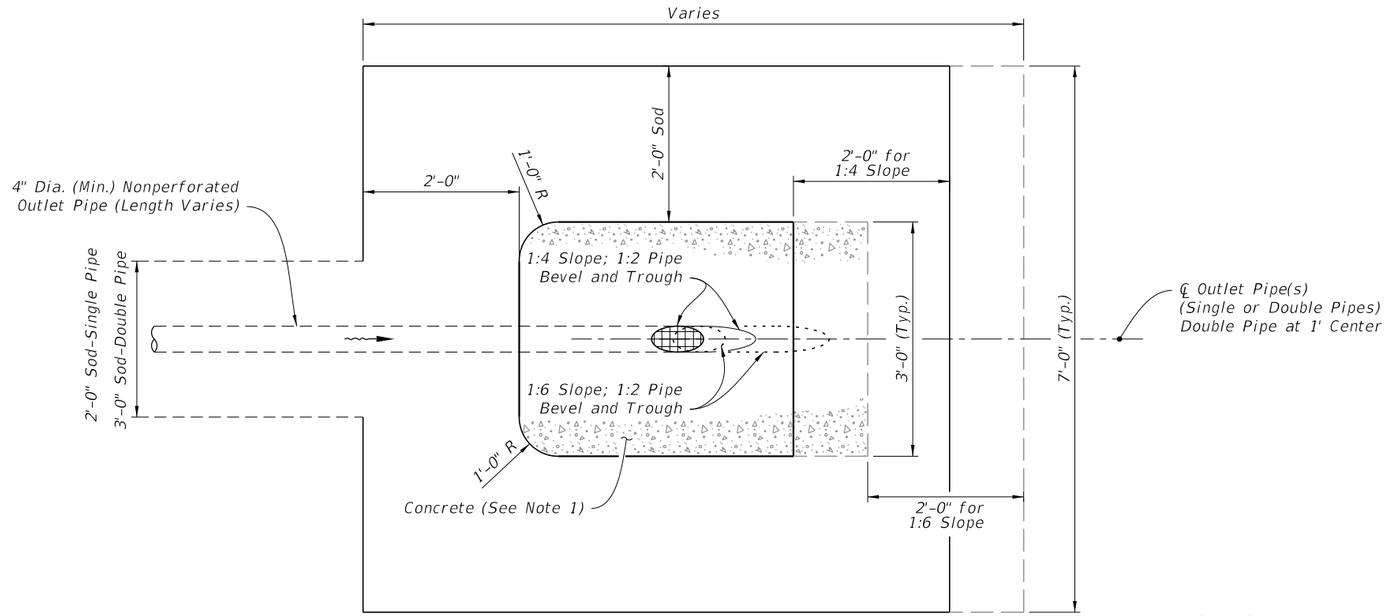


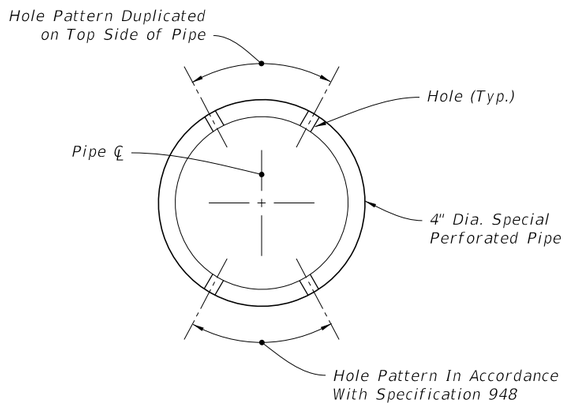
PLAN



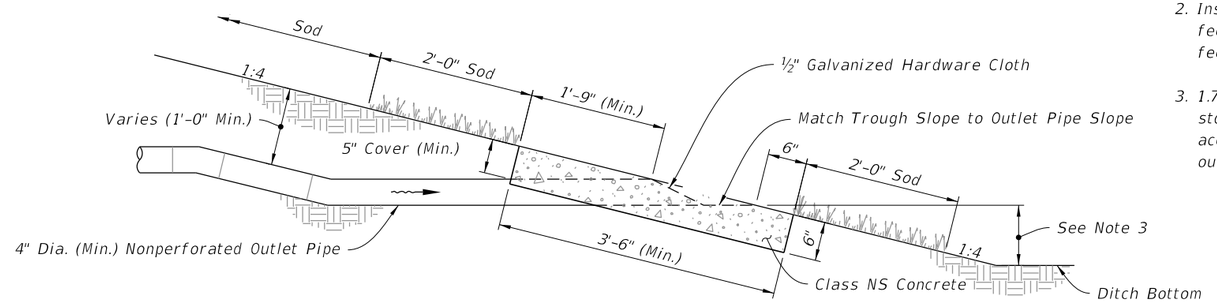
PLAN

NOTES:

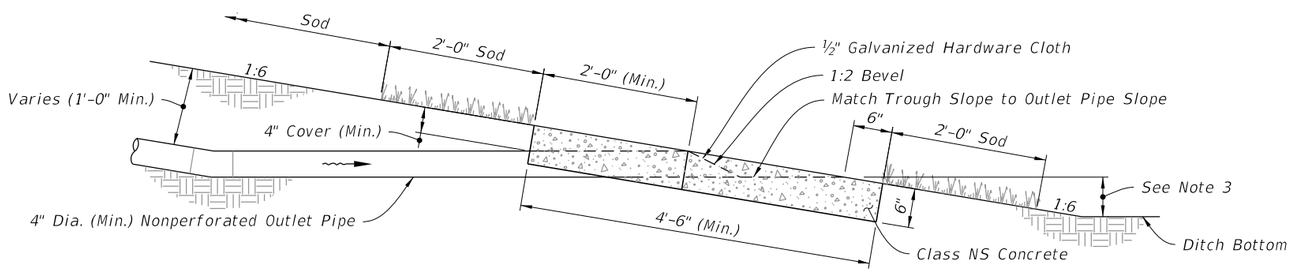
1. Install 6" thick Class NS concrete, 0.19 cubic yard for 1:4 slopes and 0.25 cubic yard for 1:6 slopes.
2. Install perimeter sod, 4.7 square feet for 1:4 slopes and 5.5 square feet for 1:6 Slopes.
3. 1.75' std. for grassed ditches; 0.5' std. for paved ditches [less is acceptable to provide minimum 0.1% outlet pipe slope]



SECTION A-A



1:4 SLOPE



1:6 SLOPE

ELEVATIONS

EDGEDRAIN OUTLET

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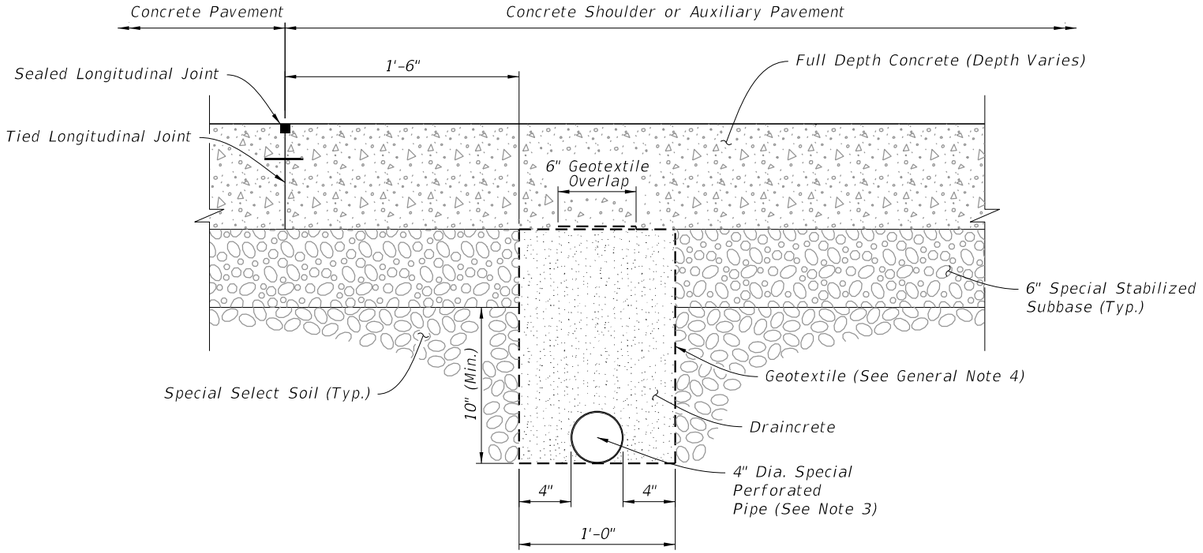

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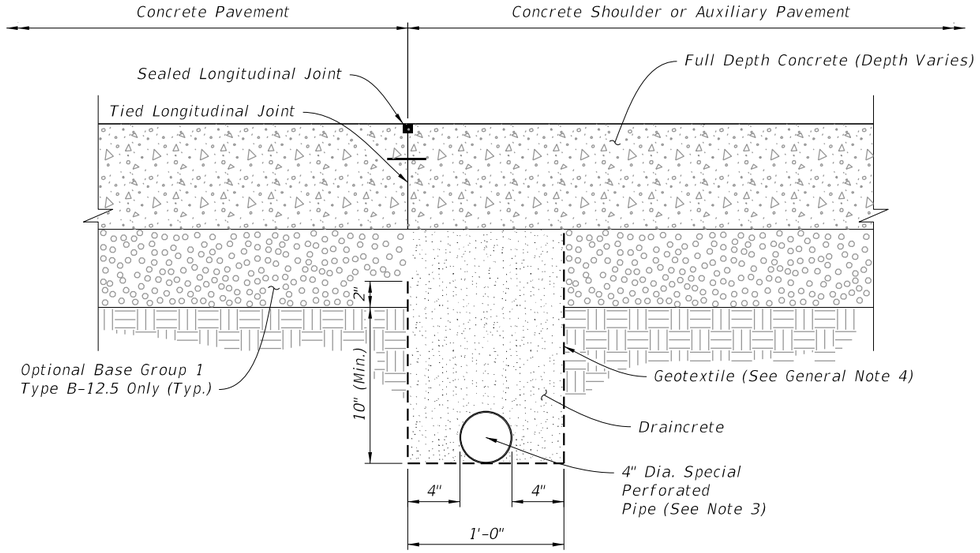
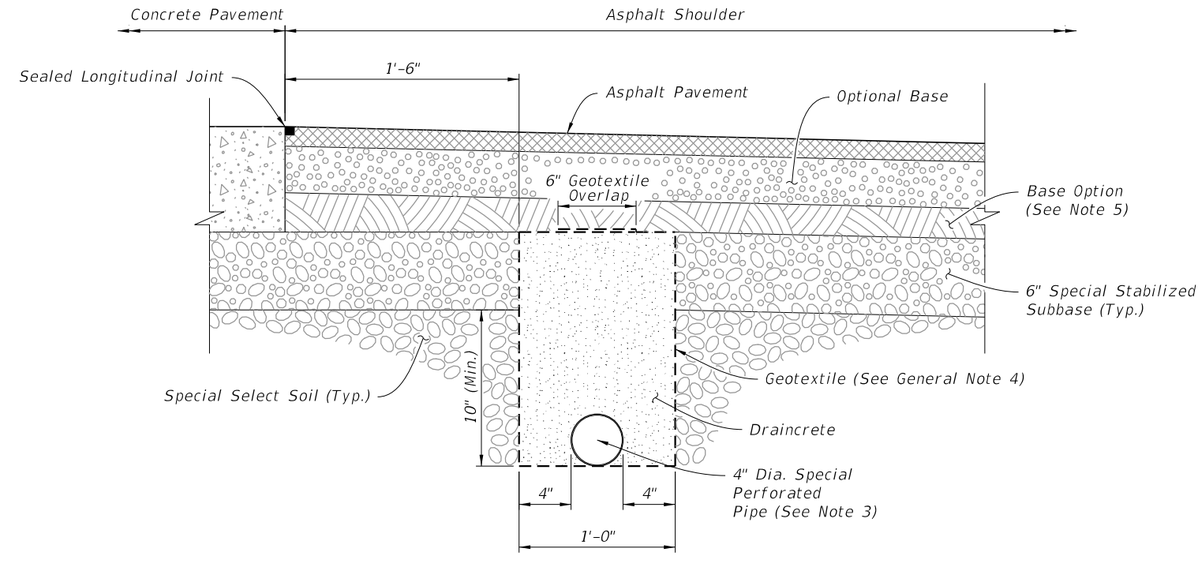


ASPHALT BASE

CONCRETE SHOULDERS AND AUXILIARY PAVEMENT



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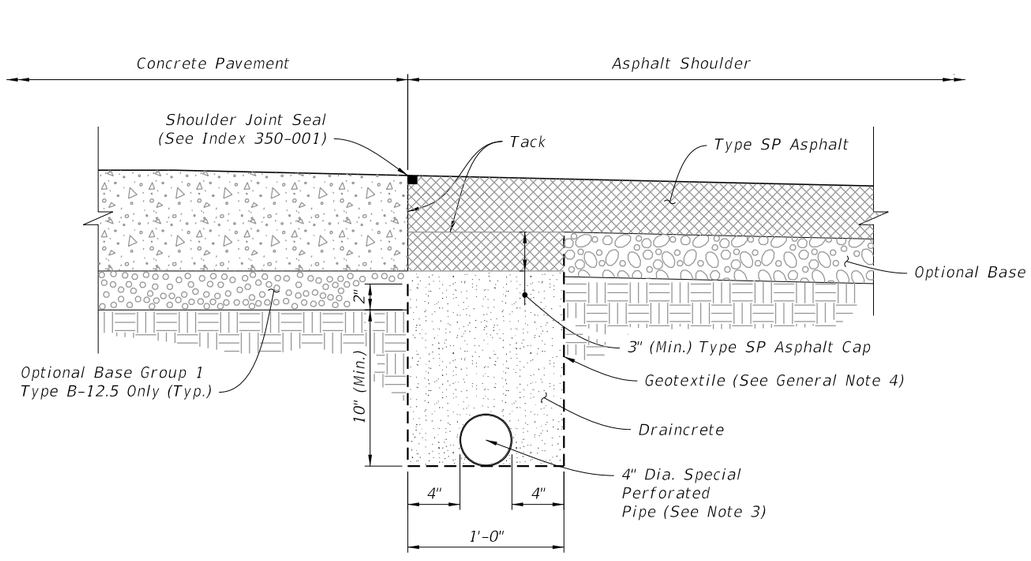

ASPHALT BASE

ASPHALT SHOULDERS

NOTES:

1. The edgedrain sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified as RIGID PAVEMENT on Index 120-001.
2. 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.
3. Install only noncorrugated or smooth lined corrugated pipe.
4. At the Contractor's option this area may be constructed of Optional Base material (Specification 285) or special stabilized subbase.

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NEW CONSTRUCTION

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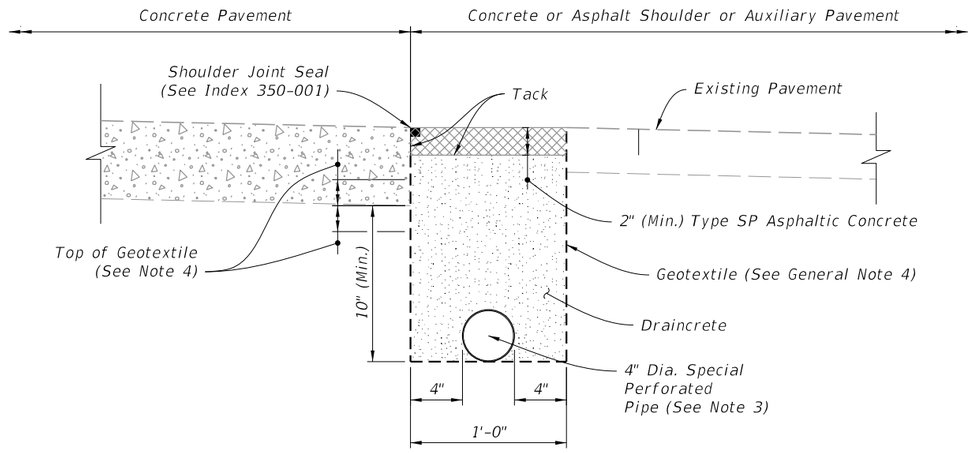
CONCRETE PAVEMENT SUBDRAINAGE



EXISTING SHOULDERS

NOTES:

1. The edgedrain sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified as RIGID PAVEMENT on Index 120-001.
2. 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.
3. Install only noncorrugated or smooth lined corrugated pipe.
4. Install geotextile 2" below bottom of pavement for cement stabilized, soil cement and econocrete subbases and 2" above bottom of pavement for other subbases.

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REHABILITATION

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