DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Caltrans Metric

William K. Fornbach
REGISTERED CIVIL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER William K. Fornbach No. 49042 Exp. 09-30-04 CIVIL STATE OF CALIFORNIA

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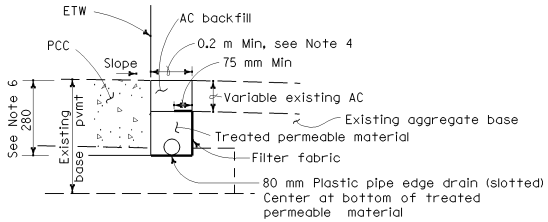
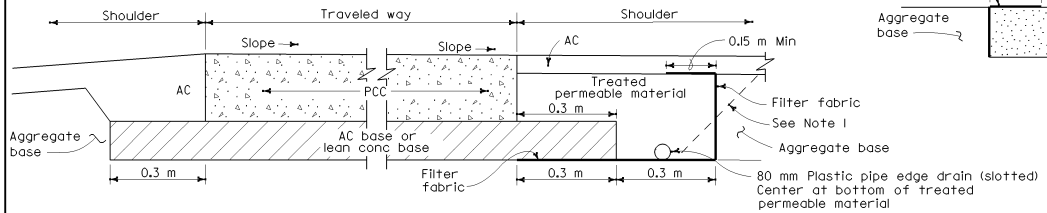


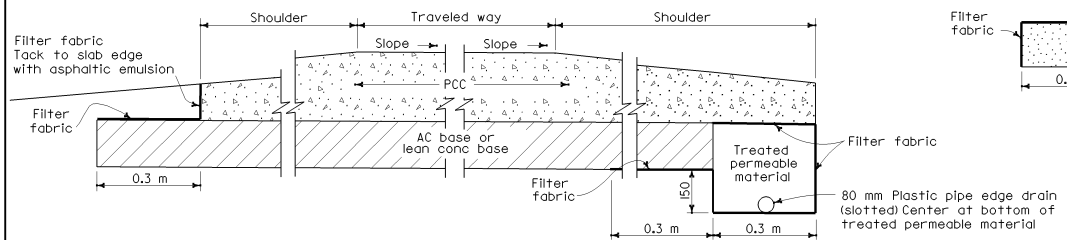
TYPE 1 STRUCTURAL SECTION DRAINAGE SYSTEM

(For existing highway facility)



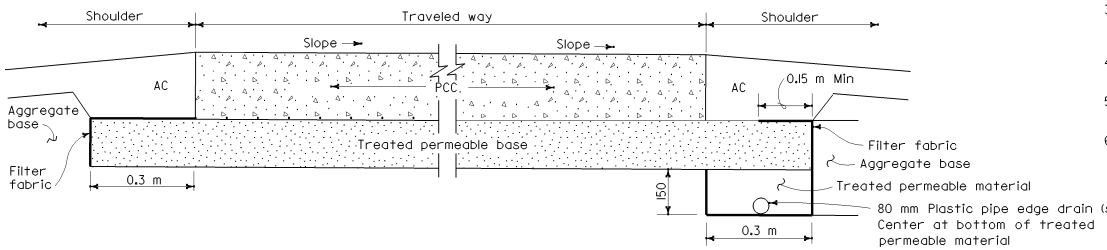
TYPE 2 STRUCTURAL SECTION DRAINAGE SYSTEM

(New construction)



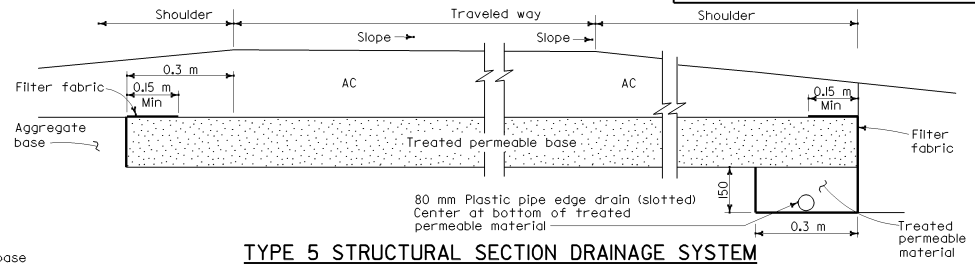
TYPE 3 STRUCTURAL SECTION DRAINAGE SYSTEM

(New construction)



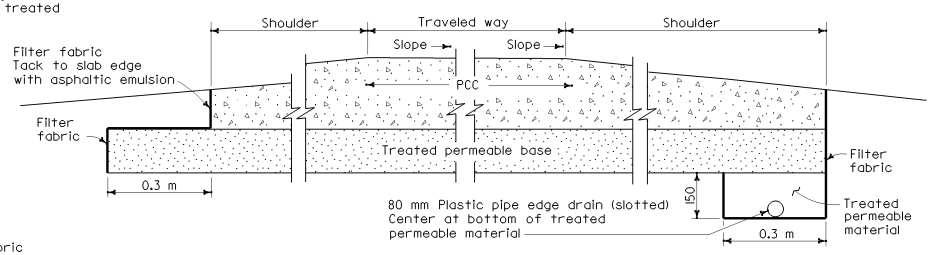
TYPE 4 STRUCTURAL SECTION DRAINAGE SYSTEM

(New construction)



TYPE 5 STRUCTURAL SECTION DRAINAGE SYSTEM

(New construction)



TYPE 6 STRUCTURAL SECTION DRAINAGE SYSTEM

(New construction)

NOTES

1. At the Contractor's option, on new construction, the vertical jointline (including the filter fabric) between the treated permeable material and the shoulder base/subgrade material may be rotated about its midpoint to a slope not flatter than 1:1 as shown by the dashed lines.
2. See the project plans and typical cross sections for pavement structural section details.
3. The plan layout for structural section drainage collector and outlet systems for new portland cement concrete pavement and new asphalt concrete pavement is the same as that shown on Standard Plan D99B.
4. For plastic pipe edge drain diameter larger than 80 mm, the minimum trench width shall be equal to the outside diameter of the plastic pipe plus 100 mm.
5. For plastic pipe edge drain diameters larger than 80 mm, all details for 80 mm plastic pipe edge drain shall apply.
6. For pavements thicker than 230 mm, the minimum trench depth is 0.3 m.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

STRUCTURAL SECTION DRAINAGE SYSTEM DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

D99A

2004 Std PLAN D99A

05-05-04