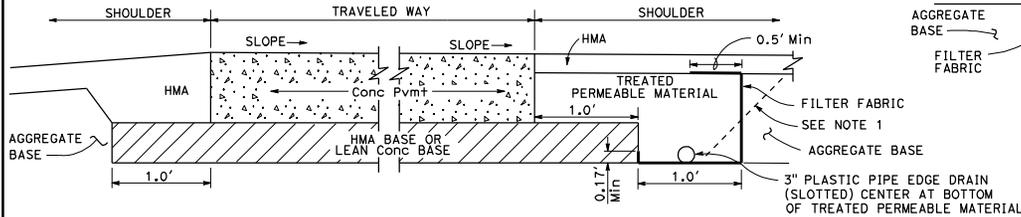
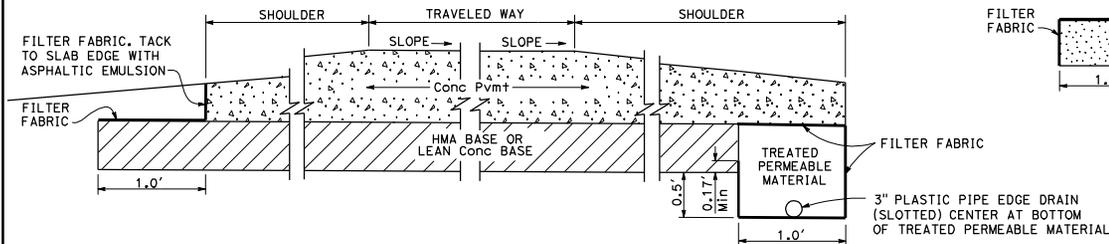


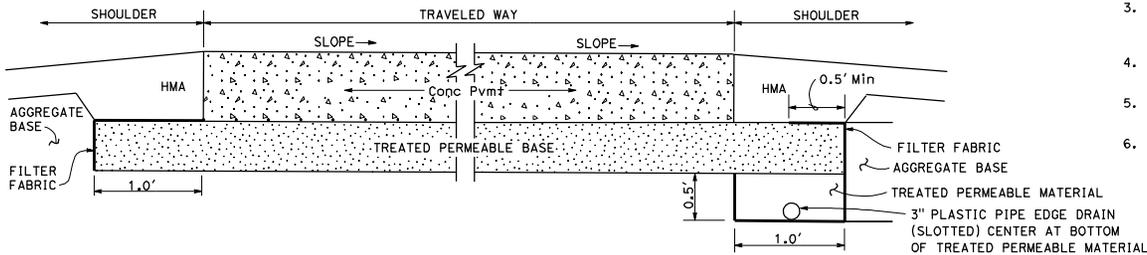
TYPE 1 STRUCTURAL SECTION DRAINAGE SYSTEM
(For existing highway facility)



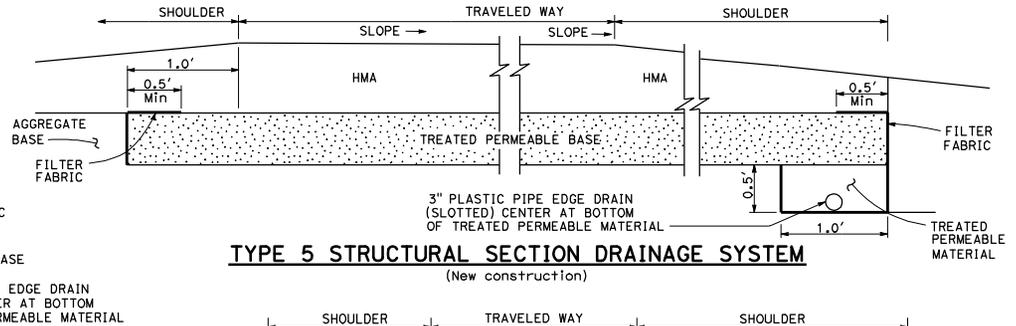
TYPE 2 STRUCTURAL SECTION DRAINAGE SYSTEM
(New construction)



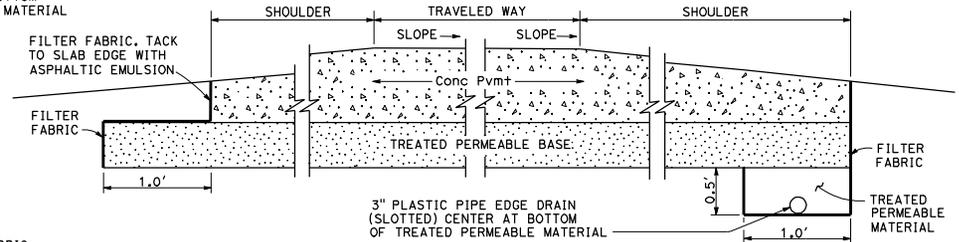
TYPE 3 STRUCTURAL SECTION DRAINAGE SYSTEM
(New construction)



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 concrete pavement and new hot mix asphalt pavement is the same as that shown on Standard Plan D99B.
4. For plastic pipe edge drain diameter larger than 3", the minimum trench width shall be equal to the outside diameter of the plastic pipe plus 4".
5. For plastic pipe edge drain diameters larger than 3", all details for 3" plastic pipe edge drain shall apply.
6. For pavements thicker than 0.75', the minimum trench depth is 1.0'.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**STRUCTURAL SECTION
DRAINAGE SYSTEM DETAILS**

NO SCALE

D99A

D16+	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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William K. Farnbach
 REGISTERED CIVIL ENGINEER

May 20, 2011
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
 THE ACCURACY OR COMPLETENESS OF SCANNED
 COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
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 K. Farnbach
 No. C49042
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA