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

REGISTERED CIVIL ENGINEER

July 1, 2002
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Kevin M. Herritt
No. C36577
Exp. 6-30-04
CIVIL
STATE OF CALIFORNIA

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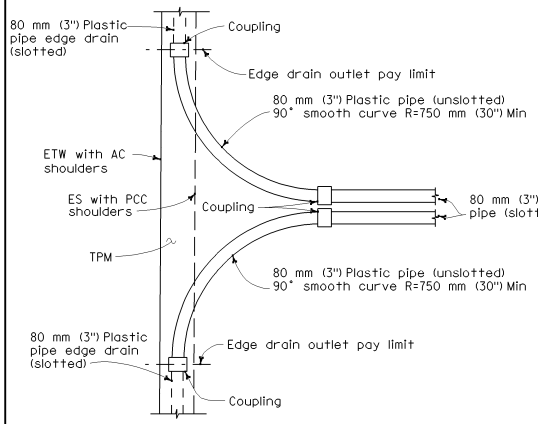
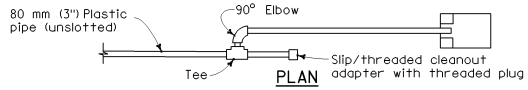


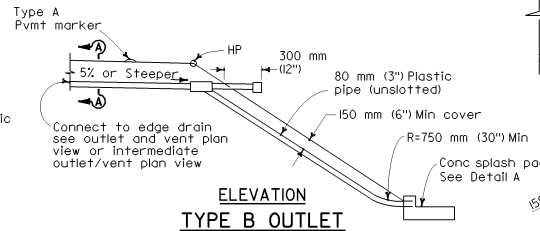
PLAN

DUAL OUTLET AND/OR VENT

See Note 2

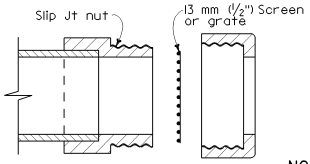


PLAN

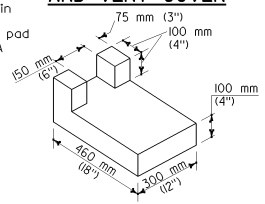


ELEVATION

TYPE B OUTLET



EDGE DRAIN OUTLET AND VENT COVER

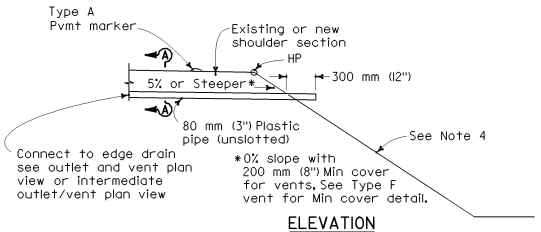


DETAIL A

CONCRETE SPLASH PAD

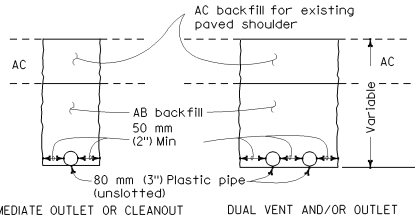
NOTES:

1. See project plans for location and type of outlet and/or vent installations.
2. The position of slotted plastic pipe and limits of treated permeable material shown are for the Type I structural section drainage system shown on Standard Plan D99A.
3. The maximum length of plastic pipe outlet shall be 15 m (50') measured from the longitudinal centerline of the collector trench to the pipe outlet. For pipe lengths greater than 15 m (50') use Type B outlets.
4. See project plans for slope protection details at Type C pipe outlets.
5. Backfill with aggregate base from outside edge paved shoulder to hinge point, and backfill with native material in slope area.
6. See Standard Plan D99C for Type G vent detail used with portland cement concrete shoulders.



ELEVATION

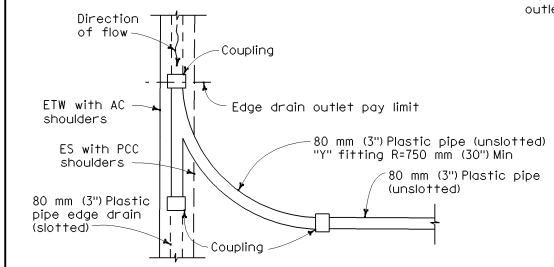
TYPE C OUTLET AND/OR VENT



SECTION A-A

OUTLET EXCAVATION AND BACKFILL IN PAVED SHOULDERS

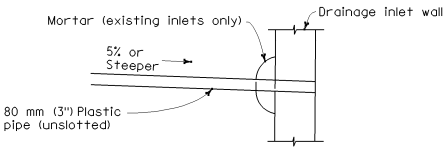
See Note 5



PLAN

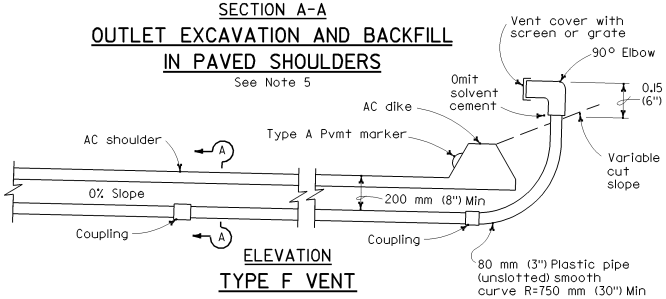
INTERMEDIATE OUTLET

See Note 2



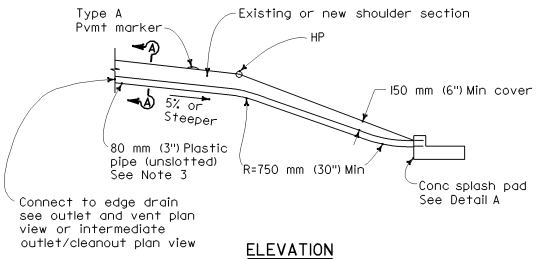
ELEVATION

TYPE D OUTLET CONNECTION TO DRAINAGE INLET



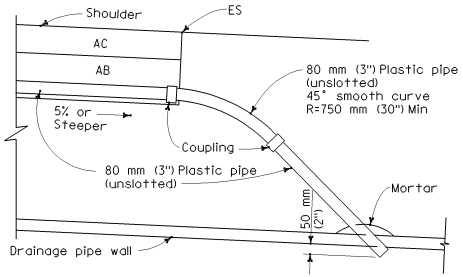
ELEVATION

TYPE F VENT



ELEVATION

TYPE A OUTLET



ELEVATION

TYPE E OUTLET CONNECTION TO DRAINAGE PIPE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

EDGE DRAIN OUTLET AND VENT DETAILS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

D99B