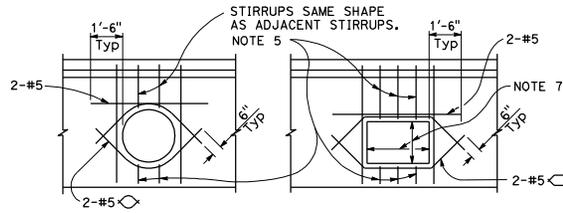
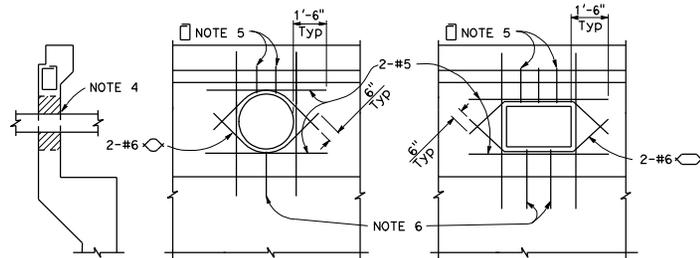


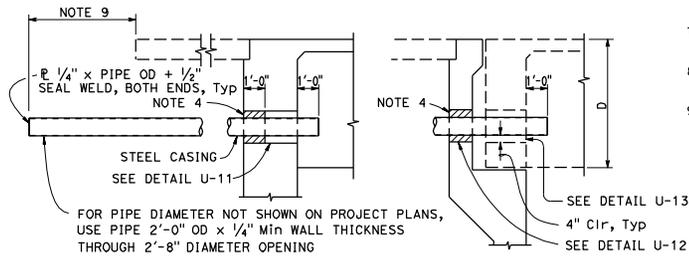
DETAIL U-11



DETAIL U-15
INTERMEDIATE DIAPHRAGMS

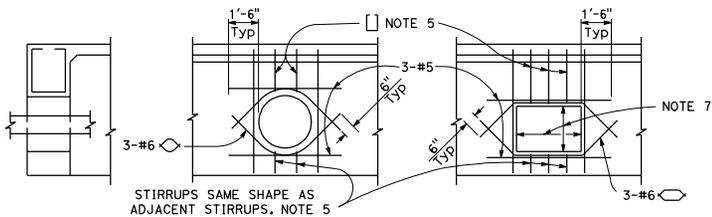


DETAIL U-12

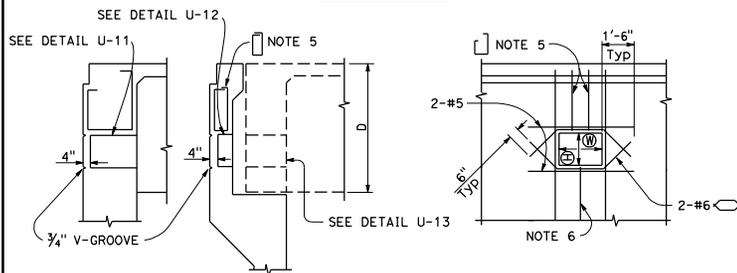


DETAIL U-16
(For future utility provisions under approach slab)

ABUTMENT DIAPHRAGMS

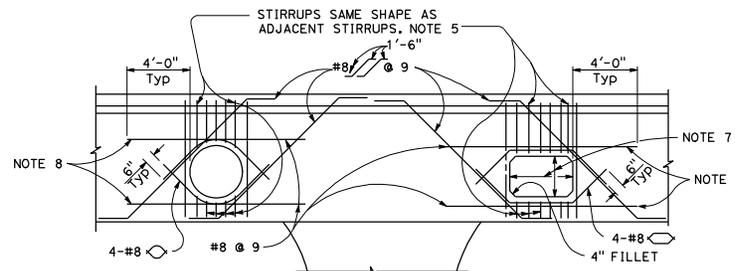


DETAIL U-13



DETAIL U-14
(For future utility opening)
ABUTMENT DIAPHRAGMS

For future utility opening dimensions not shown on Project Plans use:
 (⊕) = 1/3 D or 1'-3" Min, whichever is greater.
 (⊖) = 1/3 D or 1'-3" Min, whichever is greater.



DETAIL U-17
BENT CAPS
Near or between columns

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

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.

NOTES:

1. The exact location, elevation, size and direction of openings shall be in accordance with the Project Plans and as directed by the Engineer.
2. Girders not shown. See Project Plans.
3. All reinforcement detailed to be placed in addition to reinforcement shown on Project Plans.
4. Seal utilities at abutments with concrete or mortar, after tightly wrapping utility with 2 layers of 15 LBS building paper.
5. Reinforcement to be same bar size, and 2/3 the spacing of adjacent reinforcement shown on Project Plans.
6. Reinforcement to be same bar size and shape as adjacent reinforcement shown on Project Plans.
7. For future utility opening dimensions, see Project Plans and Detail U-14.
8. When there is insufficient space to place reinforcement as shown, hook reinforcement into exterior girder.
9. Unless otherwise shown on Project Plans, casing shall extend to the greater of 5'-0" beyond the end of the approach slab, 5'-0" beyond the end of the adjacent wingwall, or 20'-0" beyond the back of the abutment.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
UTILITY OPENINGS
T-BEAM
 NO SCALE