Plan A77G5 for dike positioning details.

10. Layout Types 16D through 16L, shown on the A77G Series of Standard Plans, are typically used on highways where guard railing is recommended to shield roadside fixed objects and a crashworthy treatment is required for both directions of traffic.

11. Where placement of dike is required with guard railing, see Standard Plans A77A1, A77A2, A77B1, A77C1 and A77C2.

4. 6'-3" minimum clearance is required between the face of the railing and the face of a fixed object(s).

5. Direction of adjacent traffic indicated by.

6. Type of terminal system to be used will be shown on the Project Plans.

7. The 15:1 or flatter flare for the buried post anchor is based on the edge of the paved shoulder or offset line of the traveled way. The length of guard railing within the 15:1 or flatter flare, is based on site conditions and should be a length equal to multiples of 12'-6".

8. For details of the Buried Post Anchor treatment, see Standard Plan A77G5.

9. As site conditions dictate, construct additional guard railing to shield fixed object(s). Additional guard railing length equal to multiples of 12'-6", post spacing at 6'-3", except as specified in Note 4.

10. Layout Types 16D through 16L, shown on the A77G Series of Standard Plans, are typically used on highways where guard railing is recommended to shield roadside fixed object(s) and a crashworthy treatment is required for both directions of traffic.

12. For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Standard Plan A77E5.

13. 6" x 8" x 8'-0" wood post with 8" x 8" x 1'-2" wood blocks at 3'-1/2" center to center spacing are to be used between fixed object(s).

NOTES:

1. Line post, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1 and A77C2.

2. Guard railing post spacing to be 6'-3" center to center, except as specified in Note 4.

3. Except as specified, wood posts are 6" x 6" x 8'-0" with 6" x 8" x 1'-2" notched wood blocks, or notched recycled plastic blocks may be used in place of the 6" x 6" x 8'-0" wood posts with 6" x 8" x 1'-2" wood blocks shown in the "Strengthened Railing Sections for Fixed Objects" section.

4. 4'-0" minimum clearance is required between the face of the guard railing and the face of a fixed object(s). See typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Standard Plan A77E5.

5. Direction of adjacent traffic indicated by.

6. Type of terminal system to be used will be shown on the Project Plans.

7. The 15:1 or flatter flare for the buried post anchor is based on the edge of the paved shoulder or offset line of the traveled way. The length of guard railing within the 15:1 or flatter flare, is based on site conditions and should be a length equal to multiples of 12'-6".

8. For details of the Buried Post Anchor treatment, see Standard Plan A77G5.

9. As site conditions dictate, construct additional guard railing to shield fixed object(s). Additional guard railing length equal to multiples of 12'-6", post spacing at 6'-3", except as specified in Note 4.

10. Layout Types 16D through 16L, shown on the A77G Series of Standard Plans, are typically used on highways where guard railing is recommended to shield roadside fixed object(s) and a crashworthy treatment is required for both directions of traffic.

11. Where placement of dike is required with guard railing, see Standard Plan A77C4 for dike positioning details.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING
TYPICAL LAYOUTS FOR
ROADSIDE FIXED OBJECTS

NO SCALE

A77G5

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May 20, 2011
R.M. Hall
REGISTERED CIVIL ENGINEER