**NOTES:**

1. Line post, blocks and hardware to be used are shown on Revised Standard Plans RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.

2. MSG post spacing to be 6'-3" center to center, except as otherwise noted.

3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 12" x 1'-2" wood blocks, 6 x 9 or 6 x 9 steel posts, 6'-0" in length, with 6" x 12" x 1'-2" notched wood blocks or notched recycled plastic blocks may be used for 6" x 8" x 8'-0" wood line posts with 6" x 12" x 1'-2" wood blocks where applicable and when specified.

4. For Transition Railing (Type WB-31) details for Type 12CC Layout, see Revised Standard Plan RSP A77U1.

5. For details of End Anchor Assembly (Type SFT), see Revised Standard Plan RSP A77U2 and Connection Details CC and HH on Revised Standard Plan RSP A77U4.

6. Type 12DD layout is typically used to the right of traffic departing a structure on two-way conventional highways where the roadway width across the structure is equal to or greater than 40 feet and MSG is recommended (embankment height, side slope, other fixed objects, length of railing to be equal to multiples of 12'-6"

7. For additional details of a typical connection to bridge rail for Layout Type 12DD, see Connection Details BB on Revised Standard Plan RSP A77U1 and Connection Details CC on Revised Standard Plan RSP A77U3.

8. For additional details of a typical connection to bridge rail for Layout Type 12CC, see Connection Details BB on Revised Standard Plan RSP A77U1 and Connection Details CC on Revised Standard Plan RSP A77U3.

9. Where placement of dike is required with MSG installations, see Revised Standard Plan RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.

10. Type 12CC Layout is typically used to the right of traffic departing a structure on two-way conventional highways where the roadway width across the structure is less than 40 feet.

11. Where placement of dike is required with MSG installations, see Revised Standard Plan RSP A77T1, RSP A77T2, RSP A77U1 and RSP A77U4.

12. For details of End Anchor Assembly (Type SFT), see Revised Standard Plan RSP A77U3 for dike positioning details.

13. For additional details of a typical connection to bridge rail for Layout Type 12CC, see Connection Details BB on Revised Standard Plan RSP A77U1 and Connection Details CC on Revised Standard Plan RSP A77U3.

14. For details of the buried post end anchor used with Type 12CC Layout, see Revised Standard Plan RSP A77U1, RSP A77U2, RSP A77U3, RSP A77U4, RSP A77N1 and RSP A77N2.

15. For additional details of a typical connection to bridge rail for Layout Type 12DD, see Connection Details BB on Revised Standard Plan RSP A77U1 and Connection Details CC on Revised Standard Plan RSP A77U3.

16. For details of the buried post end anchor used with Type 12DD Layout, see Revised Standard Plan RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.

17. The 15:1 or flatter flare for Type 12CC Layout is based on the edge of the paved shoulder or offset line of edge of the traveled way, the length of MSG within the 15:1 or flatter flare is based on site conditions and should be a length equal to multiples of 12'-6".

18. For details of the buried post and anchor used with Type 12DD Layout, see Revised Standard Plan RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.

19. Where placement of dike is required with MSG installations, see Revised Standard Plan RSP A77T1, RSP A77T2, RSP A77U1 and RSP A77U4.

20. Type 12DD Layout is typically used to the right of traffic departing a structure on two-way conventional highways where the roadway width across the structure is less than 40 feet.

21. For additional details of a typical connection to bridge rail for Layout Type 12DD, see Connection Details BB on Revised Standard Plan RSP A77U1 and Connection Details CC on Revised Standard Plan RSP A77U3.

22. For additional details of a typical connection to bridge rail for Layout Type 12CC, see Connection Details BB on Revised Standard Plan RSP A77U1 and Connection Details CC on Revised Standard Plan RSP A77U3.

23. For details of the buried post end anchor used with Type 12DD Layout, see Revised Standard Plan RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.

24. For additional details of a typical connection to bridge rail for Layout Type 12CC, see Connection Details BB on Revised Standard Plan RSP A77U1 and Connection Details CC on Revised Standard Plan RSP A77U3.

25. For details of the buried post end anchor used with Type 12DD Layout, see Revised Standard Plan RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.