**TYPE 12CC LAYOUT**

Guard railing installation at structure departure with a buried end anchor treatment at trailing end of railing. See Notes 10 and 11.

- **Type 12DD Layout**: Used for guard railing installation at structure departure with a buried end anchor treatment at trailing end of railing. See Standard Plan A77J1 and A77J2.
- **Type 12CC Layout**: Typically used to the right of traffic departing a structure on two-way conventional highways where the roadbed width across the structure is equal to multiples of 12'-6".

**Notes:****

1. The wood, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1, A77C1 and A77C2.
2. Guard rail post spacing to be 6'-3" center to center, except as otherwise noted.
3. Unless otherwise noted, line posts are 6" x 8" x 6'-0" posts with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
4. Direction of adjacent traffic indicated by .
5. For Transition Railing (Type WB) details for Type 12CC Layout, see Standard Plan A77J4.
6. For additional details of a typical connection to bridge rail for Layout Type 12CC, see Standard Plan A77K1.
7. For Transition Railing (Type WB) details for Type 12DD Layout, see Standard Plan A77J2 and Connection Detail HH on Standard Plan A77K1.
8. For details of the buried post end anchor used with Type 12DD Layout, see Standard Plan A77K1.
9. For Transition Railing (Type WB) details for Type 12DD Layout, see Standard Plan A77C4 for dike positioning details.
10. Where placement of dike is required with guard railing installations, see Standard Plan A77S1.
11. Type 12CC Layout is typically used to the right of traffic departing a structure on two-way conventional highways where the roadbed width across the structure is less than 40 feet.
12. For additional details of a typical connection to bridge rail for Layout Type 12CC, see Standard Plan A77K1.
13. For additional details of a typical connection to bridge rail for Layout Type 12CC, see Standard Plan A77T1 and Connection Detail HH on Standard Plan A77K1.
14. For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Standard Plan A77E1.