**DETAIL A: INITIAL INSTALLATION**

*USE 2 FT LONG POSTS*

1. USE A 2 INCH X 6 INCH REDWOOD PLANK, ATTACHED WITH 6D GALVANIZED NAILS, AS AN ALTERNATE TO ASPHALT CONCRETE CURB IF REQUIRED.
2. USE A 2 INCH X 6 INCH REDWOOD PLANK, ATTACHED WITH 6D GALVANIZED NAILS, AS AN ALTERNATE TO ASPHALT CONCRETE CURB IF REQUIRED.
3. RAISE RAIL ELEMENT WHEN OVERLAY IS REQUIRED. USE A 2 INCH X 6 INCH REDWOOD PLANK, ATTACHED WITH 6D GALVANIZED NAILS, AS AN ALTERNATE TO ASPHALT CONCRETE CURB IF REQUIRED.

**NOTES:**

A1. THE 2 FT MIN OFFSET IS OPTIONAL WHEN ROADWAY DESIGN REQUIRES 12 FT OR WIDER EFFECTIVE SHOULDER. (PLACE AS FAR OFF PAVEMENT EDGE AS PRACTICAL)
A2. USE TOP HOLE OF POST TO SET RAIL HEIGHT WHEN PAVEMENT SURFACE, TRAVEL LANE, ARE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE PAVEMENT. USE BOTTOM HOLE OF POST TO SET RAIL HEIGHT WHEN PAVEMENT SURFACE, TRAVEL LANE, ARE CONSTRUCTED WITH HOT MIX ASPHALT (HMA).
B3. THE 2 FT MIN OFFSET IS OPTIONAL WHEN ROADWAY DESIGN REQUIRES 12 FT OR WIDER EFFECTIVE SHOULDER. (PLACE AS FAR OFF PAVEMENT EDGE AS PRACTICAL)

**DETAIL B: INITIAL LONG POST INSTALLATION**

*USE 84" LONG POSTS*

**NOTES:**

B1. USE THIS INSTALLATION WHEN THE MINIMUM 2 FT OF 4:1 OR FLATTER SLOPE CANNOT BE PROVIDED BEHIND RAIL.
B2. USE TOP HOLE OF POST TO SET RAIL HEIGHT WHEN PAVEMENT SURFACE, TRAVEL LANE, ARE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE PAVEMENT. USE BOTTOM HOLE OF POST TO SET RAIL HEIGHT WHEN PAVEMENT SURFACE, TRAVEL LANE, ARE CONSTRUCTED WITH HOT MIX ASPHALT (HMA).

**DETAIL C: TYPICAL INSTALLATION**

*USE 2 FT LONG POSTS*

**NOTES:**

C1. REFER TO TYPICAL LAYOUT DRAWING TO DETERMINE APPROACH END TREATMENT OR TRAILING END ANCHOR REQUIREMENTS.
C2. REFER TO STD DWG BA 4H5 IF 3 FT CLEARANCE IS NOT ACHIEVED FROM BACK OF POST TO FACE OF HAZARD.

**DETAIL D: RAIL ELEMENT RAISED**

*USE 84" LONG POSTS*

**NOTES:**

D1. RAISE RAIL ELEMENT WHEN OVERLAY IS REQUIRED.
D2. RAISE THE RAIL ELEMENT TO REQUIRED HEIGHT WITH THE 3 HOLE POST SYSTEM, REQUIRED BEFORE THE MINIMUM HEIGHT OF THE RAIL ELEMENT ABOVE GROUND LEVEL CAN BE REDUCED TO THE MINIMUM OF 28 INCH
D3. RAISED RAIL ELEMENT WILL ACCOMMODATE 6 INCH TO 8 INCH OF OVERLAY MATERIAL.
D4. SLOPE OF SHOULDER INTO FACE OF RAIL NOT TO EXCEED 8:1
D5. RAISE REDWOOD PLANKING WHEN REQUIRED.