1. Attach Guardrail Post to Box Culvert with 7/8" (in) diameter high-strength threaded rods 8 1/2" (in) in length with resin-bonded anchors. See Standard Specification, Section 9-06.5(4).

2. Wood blocks are shown. Blocks of an approved alternative may be used. See Standard Specification, Section 9-16.3(2).

3. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.

4. Box culvert guardrail steel posts are not needed for fill depths greater than 40 inches. Drive standard 6-foot length guardrail posts into compacted soil and install guardrail per Standard Plan C-20.10.

5. Plan shows 4 box culvert posts installed on culvert lid. It is acceptable to use a greater or lesser number of box culvert guardrail posts to increase or decrease the length of system as needed.

6. Install at least 82.5-feet of Type 31 guardrail upstream and downstream from posts A and B (Terminals and Anchors included in length).

7. Install at least 12.5-feet of Type 31 Guardrail from guardrail posts A and B before installing terminals and anchors.

8. Install at least 37.5-feet of Type 31 guardrail upstream and downstream from guardrail posts A and B before starting a taper or radius rail guardrail system.