



WOOD BLOCKOUT
(SEE NOTE 2)

BOX CULVERT POST
ELEVATION VIEW

BOX CULVERT GUARDRAIL
STEEL POST TYPE 31

NOTES

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.
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. For fill depths greater than 40 inches, drive standard guardrail posts and install guardrail per **Standard Plan C-20.10**.

DRAWN BY: FERN LIDDELL



BOX CULVERT
GUARDRAIL STEEL
POST ~ TYPE 31
STANDARD PLAN C-20.41-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER
Washington State Department of Transportation