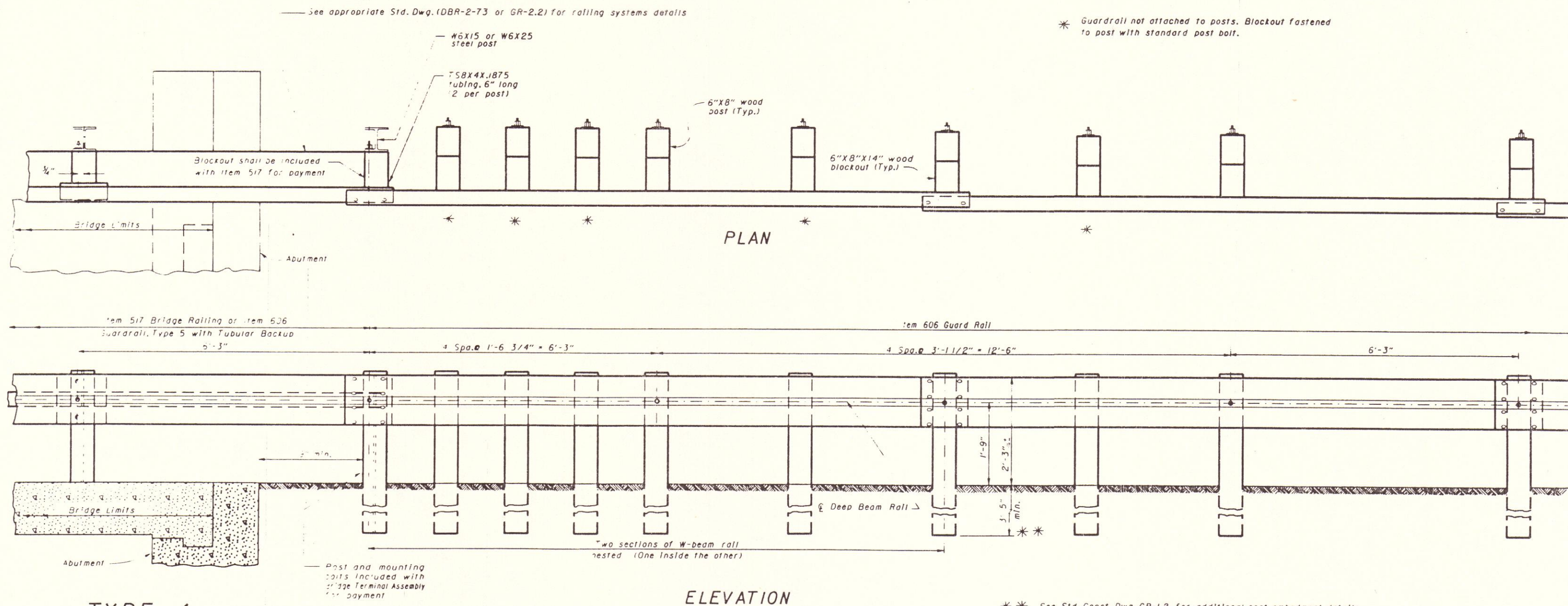




TYPE 4

NOTES

GENERAL

For additional details, see Std. Const. Dwgs. GR-1.1, GR-1.2 and other Standard Drawings pertaining to design of specific guardrail types.

APPLICATION

The Type 4 Bridge Terminal Assembly shall be used to connect guardrail runs to bridges having W-beam railing with Tubular Backup.

DETAIL INFORMATION

The first post off the bridge shall be steel (W6x15 or W6x25). All holes in the off-structure end of the approach panel W-beam rail section that spans the abutment shall be slotted 3/4" x 2 1/2" and bolts shall be tightened as specified for expansion joints in 606.05.

POSTS

GENERAL- Posts may be set in drilled holes or driven to grade.

POSTS shall be square-sawed pressure treated wood as per 710.14 and fabricated with square ends. Bolt holes shall be bored and tops of posts trimmed if required, after posts are set.

PAYMENT

Payment for Item 606 - Each, Bridge Terminal Assembly, Type 4 shall include the extra cost, in excess of normal guardrail cost, for additional posts and other hardware. The TS 8x4 spacers and tubular back-up rail extending to the first post off the bridge shall be included with Item 517 - Railing or Item 506 - Guardrail, Type 5 with Tubular Backup for payment.

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF TRANSPORTATION

**BRIDGE TERMINAL
ASSEMBLY, TYPE 4**

DATE
5-6-91

STANDARD
CONSTRUCTION
DRAWING

GR-3.4

APPROVED *D. K. Huhman* ENGR., L. & D.