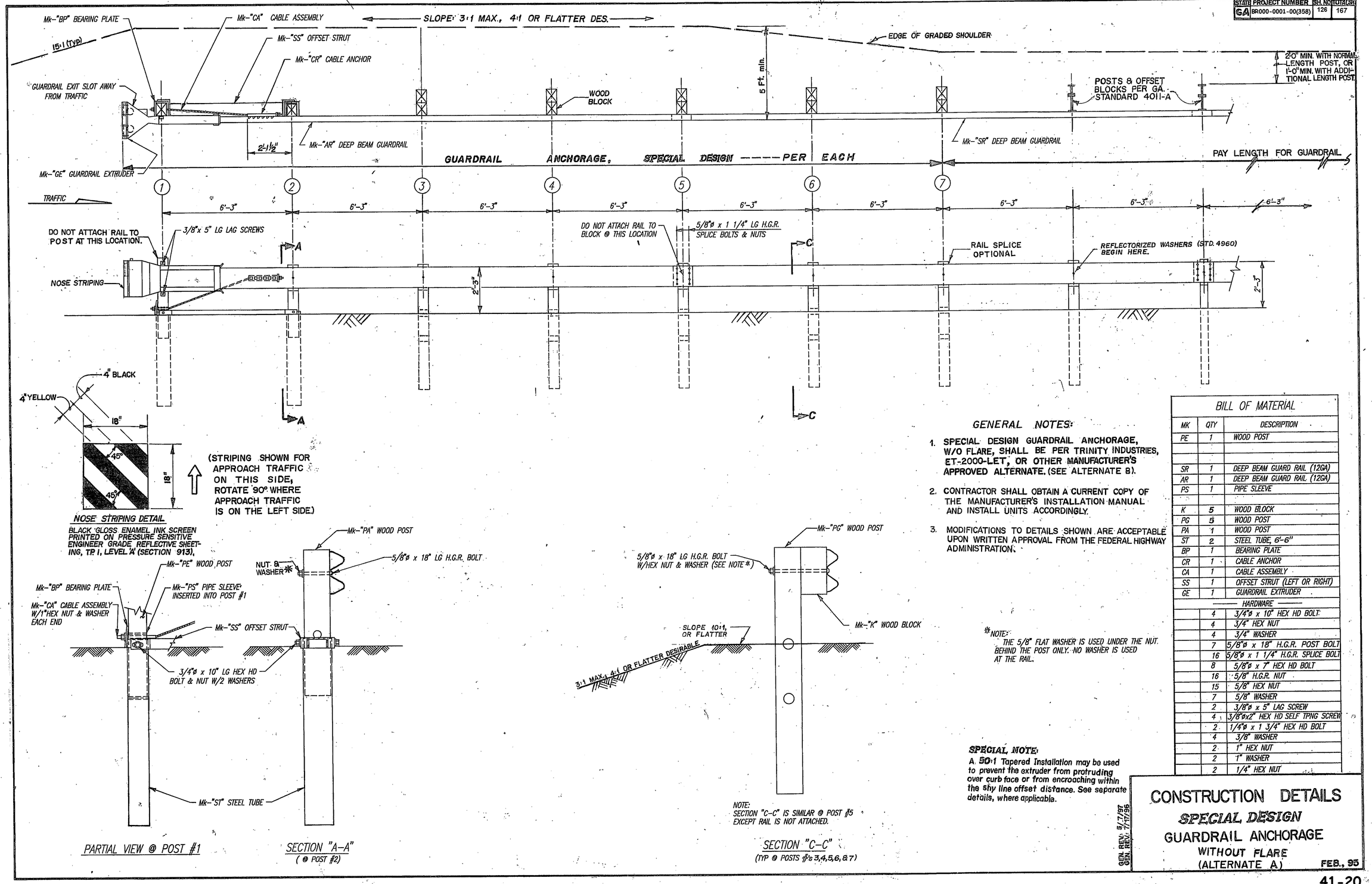


## GENERAL NOTES:

1. SPECIAL DESIGN GUARDRAIL ANCHORAGE, W/O FLARE, SHALL BE PER TRINITY INDUSTRIES, ET-2000-LET, OR OTHER MANUFACTURER'S APPROVED ALTERNATE. (SEE ALTERNATE B).
2. CONTRACTOR SHALL OBTAIN A CURRENT COPY OF THE MANUFACTURER'S INSTALLATION MANUAL AND INSTALL UNITS ACCORDINGLY.
3. MODIFICATIONS TO DETAILS SHOWN ARE ACCEPTABLE UPON WRITTEN APPROVAL FROM THE FEDERAL HIGHWAY ADMINISTRATION.

*NOTE:
THE 5/8" FLAT WASHER IS USED UNDER THE NUT. BEHIND THE POST ONLY. NO WASHER IS USED AT THE RAIL.

**SPECIAL NOTE:**
A 50:1 Tapered Installation may be used to prevent the extruder from protruding over curb face or from encroaching within the shy line offset distance. See separate details, where applicable.

## BILL OF MATERIAL

| MK | QTY | DESCRIPTION |
|---|---|---|
| PE | 1 | WOOD POST |
| | | |
| | | |
| SR | 1 | DEEP BEAM GUARD RAIL (12GA) |
| AR | 1 | DEEP BEAM GUARD RAIL (12GA) |
| PS | 1 | PIPE SLEEVE |
| | | |
| K | 5 | WOOD BLOCK |
| PG | 5 | WOOD POST |
| PA | 1 | WOOD POST |
| ST | 2 | STEEL TUBE, 6'-6" |
| BP | 1 | BEARING PLATE |
| CR | 1 | CABLE ANCHOR |
| CA | 1 | CABLE ASSEMBLY |
| SS | 1 | OFFSET STRUT (LEFT OR RIGHT) |
| GE | 1 | GUARDRAIL EXTRUDER |
| | | HARDWARE |
| | 4 | 3/4"ø x 10" HEX HD BOLT |
| | 4 | 3/4" HEX NUT |
| | 4 | 3/4" WASHER |
| | 7 | 5/8"ø x 18" H.G.R. POST BOLT |
| | 16 | 5/8"ø x 1 1/4" H.G.R. SPLICE BOLT |
| | 8 | 5/8"ø x 7" HEX HD BOLT |
| | 16 | 5/8" H.G.R. NUT |
| | 15 | 5/8" HEX NUT |
| | 7 | 5/8" WASHER |
| | 2 | 3/8"ø x 5" LAG SCREW |
| | 4 | 3/8"ø x 2" HEX HD SELF TPNG SCREW |
| | 2 | 1/4"ø x 1 3/4" HEX HD BOLT |
| | 4 | 3/8" WASHER |
| | 2 | 1" HEX NUT |
| | 2 | 1" WASHER |
| | 2 | 1/4" HEX NUT |

GEN. REV. 5/7/97
GEN. REV. 7/17/96

# CONSTRUCTION DETAILS
## SPECIAL DESIGN
## GUARDRAIL ANCHORAGE
WITHOUT FLARE
(ALTERNATE A)

FEB., 95