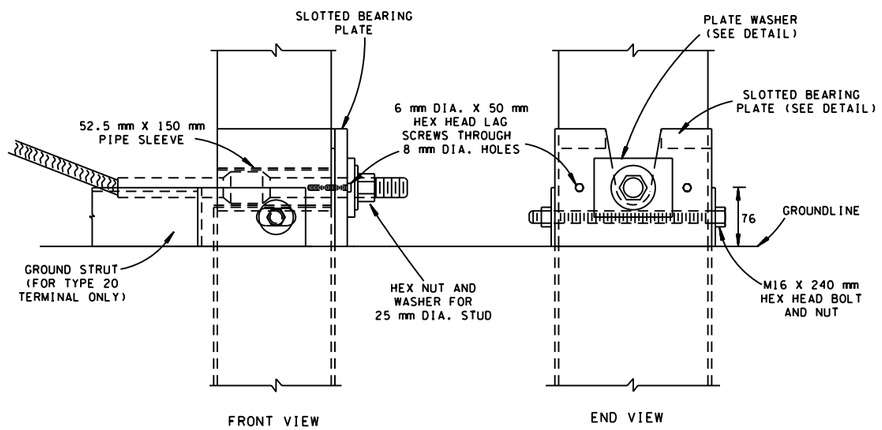
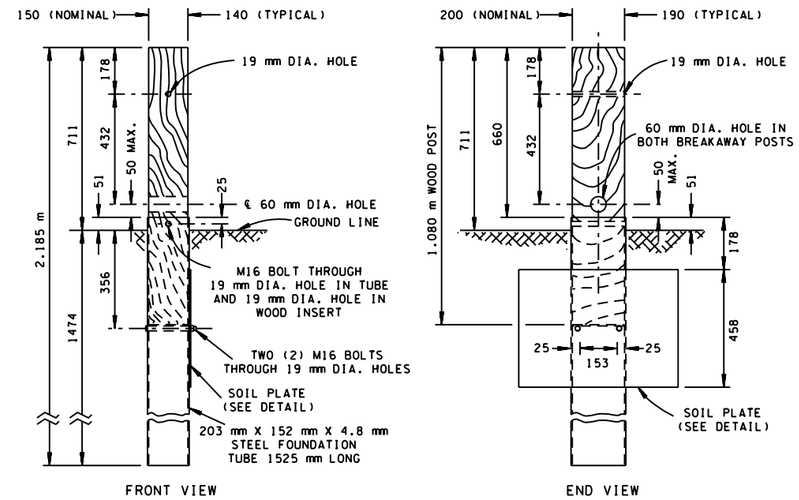
REV. 11-1-95: CHANGED TO METRIC.

REV. 5-27-98: CHANGED REFERENCE FOR TYPE 20 TO TYPE 22 GUARDRAIL TERMINAL.

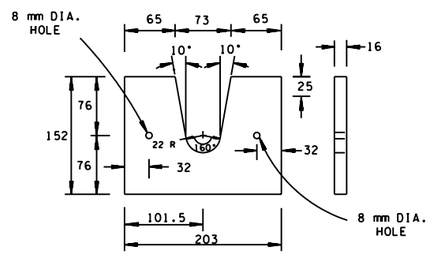
REV. 12-18-98: REMOVED EMBANKMENT DETAIL FOR GUARDRAIL TERMINALS, MODIFIED GENERAL NOTES (F) AND (G). RENAMED SHEET.



SLOTTED BEARING PLATE ASSEMBLY DETAIL



NO.1 & 2 BREAKAWAY POST WITH 1525 mm TUBE SLEEVE



SLOTTED BEARING PLATE DETAIL

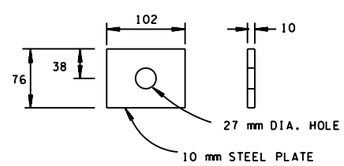
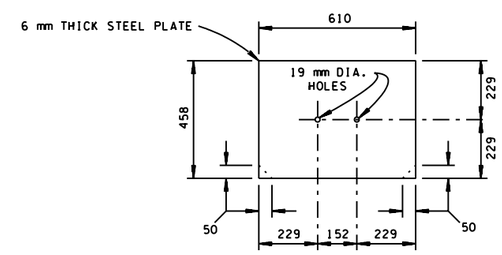


PLATE WASHER DETAIL

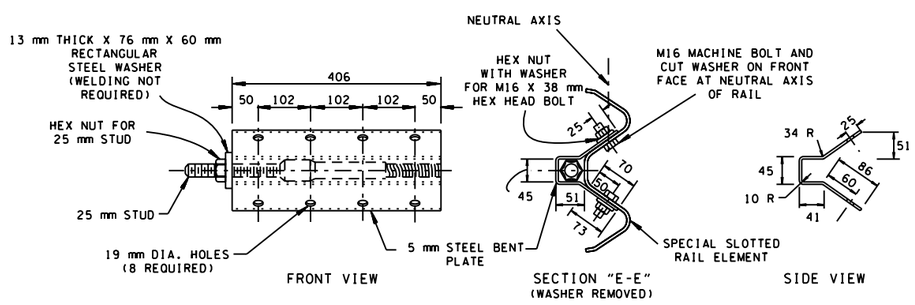
SLOTTED BEARING PLATE



SOIL PLATE

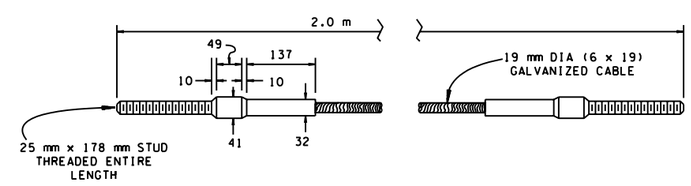
(TO BE ATTACHED TO BREAKAWAY POST NOS. 1 & 2 ON SIDE OPPOSITE TO END TERMINAL SECTION)

NOTE: THE CONTRACTOR HAS THE OPTION OF CLIPPING 50 mm x 50 mm TRIANGLES OFF BOTTOM CORNERS TO AID IN DRIVING.



ANCHOR PLATE ASSEMBLY DETAILS

SEE DRAWING NO. SM-GR-26 FOR RELATION OF SECTION "E-E" TO FRONT ELEVATION VIEW OF GUARDRAIL ANCHORS



STANDARD SWAGE FITTING AND STUD

NOTE: CABLE TO BE SWAGE-CONNECTED

GENERAL NOTES

(A) THE NO. 1 AND NO. 2 BREAKAWAY POSTS WILL HAVE A 150 mm X 200 mm (NOMINAL) CROSS-SECTION AREA AND WILL HAVE A 60 mm DIAMETER HOLE CENTERED 610 mm BELOW THE TOP OF THE POST ON THE 200 mm SIDE AS SHOWN. ALL POSTS SHALL BE ERECTED SO THAT THE GUARDRAIL WILL HAVE A TOP-OF-RAIL HEIGHT OF 686 mm.

(B) ALL HOLES IN WOOD POSTS ARE TO BE DRILLED BEFORE PRESERVATIVE TREATMENT.

(C) ALL CUTTING, DRILLING, AND WELDING OF STEEL COMPONENTS SHALL BE DONE BEFORE GALVANIZING.

(D) THE FINISHED CABLE ASSEMBLY WILL NOT BE ACCEPTABLE UNLESS IT IS IN TENSION WITH NO SAG.

(E) OTHER ANCHOR CABLE ASSEMBLIES PROVIDING A MINIMUM BREAKING STRENGTH OF 180000 N WILL BE ACCEPTABLE.

(F) SEE STANDARD DRAWING NOS. SM-GR-15, SM-GR-24, SM-GR-26, AND SM-GR-27 FOR ADDITIONAL DETAILS AND GENERAL NOTES.

(G) SEE STANDARD DRAWING NO. SM-GR-39 FOR DETAILS TO CONSTRUCT EARTH PAD FOR THE TYPE 21 GUARDRAIL TERMINAL.

TENNESSEE METRIC D.O.T.

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GUARDRAIL TERMINAL ANCHOR (TYPE 21) POST AND ASSEMBLY DETAILS

11-1-95 | SM-GR-28

2/24/2005
DGNSPEC

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