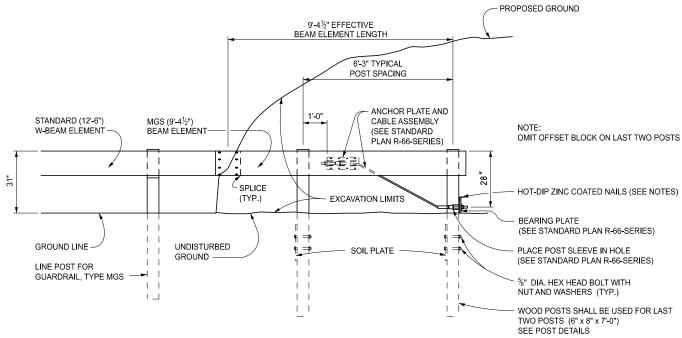
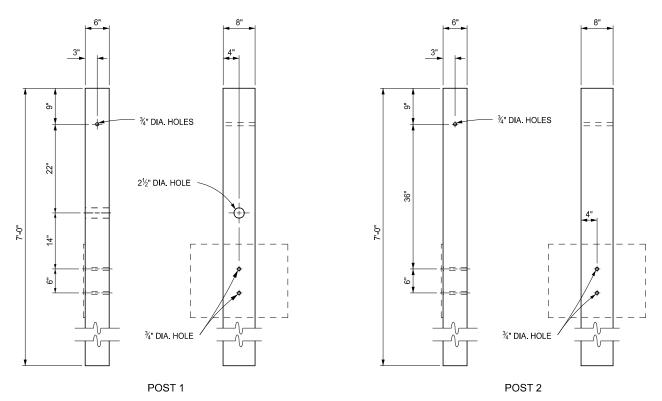


PLAN VIEW



ELEVATION GUARDRAIL, TYPE 4MGS-8



WOOD POST DETAILS

GUARDRAIL ANCHORED IN BACKSLOPE TYPE 4MGS-8



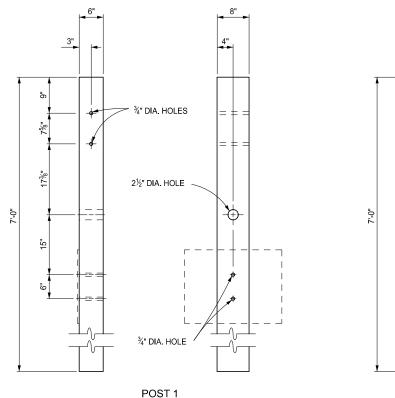
SPECIAL DETAL FOR
GUARDRAIL ANCHORED IN BACKSLOPE
TYPES 4B, 4T, & 4MGS-8

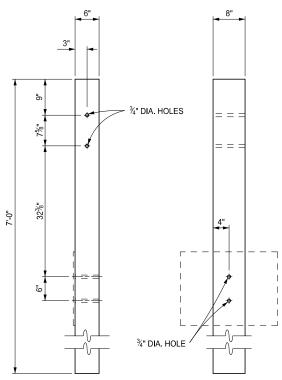
(SPECIAL DETAIL)
FHWA APPROVAL
PLAN DATE

SPECIAL DETAIL 24

SHEET

4 OF 8

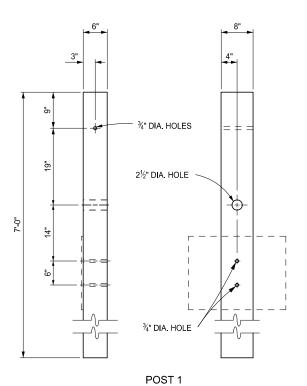


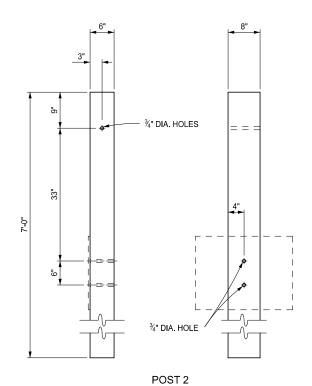


POST 2

WOOD POST DETAILS

GUARDRAIL ANCHORED IN BACKSLOPE TYPE 4T





WOOD POST DETAILS

GUARDRAIL ANCHORED IN BACKSLOPE TYPE 4B

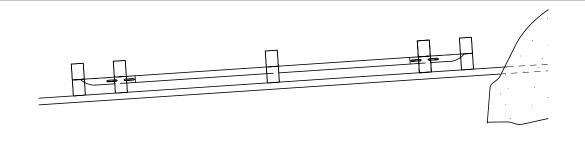


SPECIAL DETAIL FOR
GUARDRAIL ANCHORED IN BACKSLOPE
TYPES 4B, 4T, & 4MGS-8

(SPECIAL DETAIL) FHWA APPROVAL 12/06/2022 PLAN DATE

SPECIAL DETAIL 24

SHEET 5 OF 8

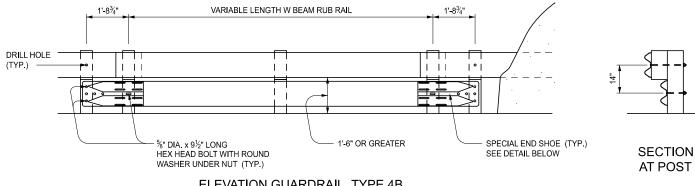


PLAN VIEW

NOTE:

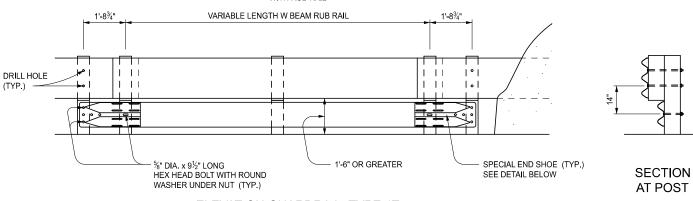
WITH RUB RAIL

EXTRA POSTS, SPECIAL END SHOES, GUARDRAIL, HARDWARE AND ANY EXTRA WORK ARE INCLUDED IN THE BID ITEM GUARDRAIL ANCHORED IN BACKSLOPE TYPE 4B OR TYPE 4T.



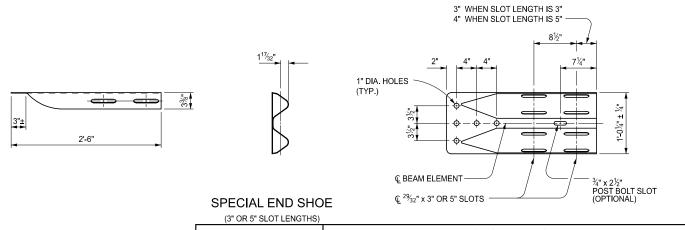
ELEVATION GUARDRAIL, TYPE 4B

WITH RUB RAIL



ELEVATION GUARDRAIL, TYPE 4T

WITH RUB RAIL



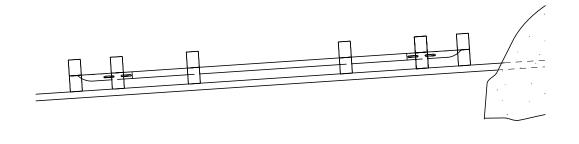
DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE

SPECIAL DETAL FOR GUARDRAIL ANCHORED IN BACKSLOPE TYPES 4B, 4T, & 4MGS-8

(SPECIAL DETAIL) 12/06/2022 FHWA APPROVAL PLAN DATE

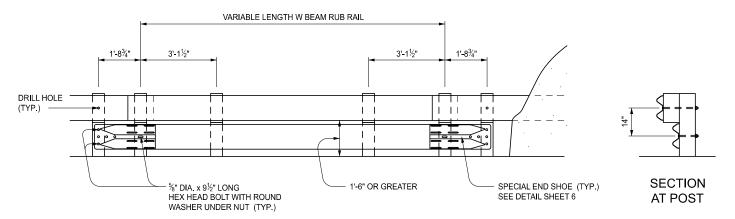
SPECIAL DETAIL 24

SHEET 6 OF 8



PLAN VIEW GUARDRAIL, TYPE 4MGS-8

WITH RUB RAIL



ELEVATION GUARDRAIL, TYPE 4MGS-8 WITH RUB RAIL

NOTE:

EXTRA POSTS, SPECIAL END SHOES, GUARDRAIL, HARDWARE AND ANY EXTRA WORK ARE INCLUDED IN THE BID ITEM GUARDRAIL ANCHORED IN BACKSLOPE TYPE AMCS.8

Michigan Department of Transportation

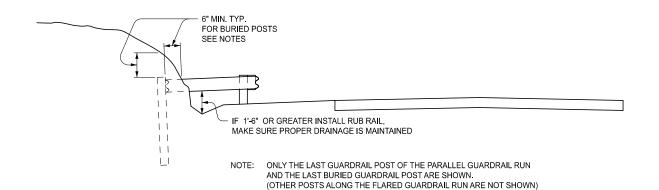
SPECIAL DETAIL FOR
GUARDRAIL ANCHORED IN BACKSLOPE
TYPES 4B, 4T, & 4MGS-8

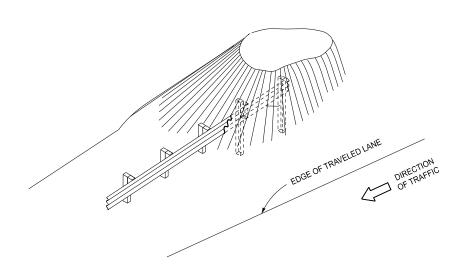
DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE (SPECIAL DETAIL)
FHWA APPROVAL

12/06/2022 PLAN DATE

SPECIAL DETAIL 24

SHEET 7 OF 8





BURIED ENDING SKETCHES

NOTES:

ALL POSTS, OFFSET BLOCKS, BEAM ELEMENTS, AND HARDWARE (INCLUDING BOLTS, NUTS, AND WASHERS) SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND TO STANDARD PLAN R-60-SERIES, WHERE APPLICABLE, EXCEPT AS SPECIFIED ON THIS PLAN.

ALL 1:10 SLOPES SHALL BE GRADED TO CLASS A SLOPE TOLERANCES.

AFTER THE CABLE ASSEMBLY HAS BEEN TIGHTENED, A SECOND NUT SHALL BE INSTALLED SO THAT THE CABLE WILL NOT LOOSEN.

TWO HOT-DIP ZINC COATED NAILS SHALL BE DRIVEN INTO THE WOOD POST AT THE TOP OF THE BEARING PLATE TO KEEP THE BEARING PLATE FROM ROTATING.

WHEN ADDITIONAL POST BOLT SLOTS ARE REQUIRED, THEY SHALL BE DRILLED OR PUNCHED AND REGALVANIZED. BURNING WILL NOT BE ALLOWED.

TERMINAL SHALL BE SET A MINIMUM 6" INTO THE BACKSLOPE AND HAVE 6" OF COVER ON ALL SIDES TO LESSEN THE POSSIBILITY IT WILL BE EXPOSED BY EROSION AND SNAG AN IMPACTING VEHICLE.

THE GUARDRAIL SHALL REMAIN AT A CONSTANT HEIGHT RELATIVE TO THE LOCAL GRADE. A W BEAM RUB RAIL WILL BE REQUIRED IF THE OPENING UNDER THE PRIMARY RAIL IS 1'-6" OR MORE. SEE DETAILS.



SPECIAL DETAL FOR
GUARDRAIL ANCHORED IN BACKSLOPE
TYPES 4B, 4T, & 4MGS-8

DEPARTMENT DIRECTOR

(SPECIAL DETAIL)
FHWA APPROVAL

12/06/2022 PLAN DATE

SPECIAL DETAIL 24

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