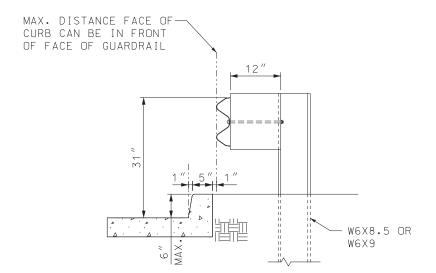
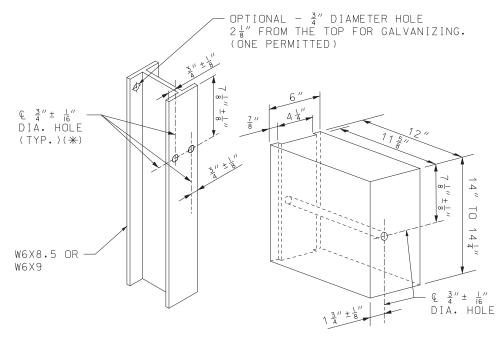


MGS GUARDRAIL AT CURB



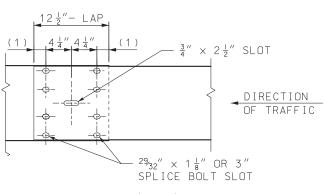
CURB

ALTERNATE MGS AT CURB



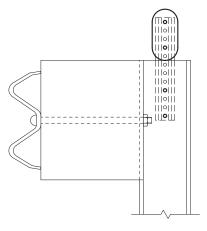
FOR STEEL POST AND NOTCHED WOOD OR PLASTIC BLOCK HOLE PUNCHING DETAIL

(*) TWO HOLES CAN BE PROVIDED ON EACH FLANGE OF POST, ONLY ONE IS REQUIRED FOR FLANGE OF POST THAT HAS A BLOCK ATTACHMENT.



(1) 2" (TOLERANCE $+1\frac{1}{4}$ ", $-\frac{1}{4}$ ")

RAIL ELEMENT SPLICE DETAIL



DELINEATORS ON GUARDRAIL

GENERAL NOTES:

FOR GUARDRAIL DELINEATION DETAILS, SEE STD PLAN 903.00.



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, M0 65102 1-888-ASK-MODOT (1-888-275-6636)



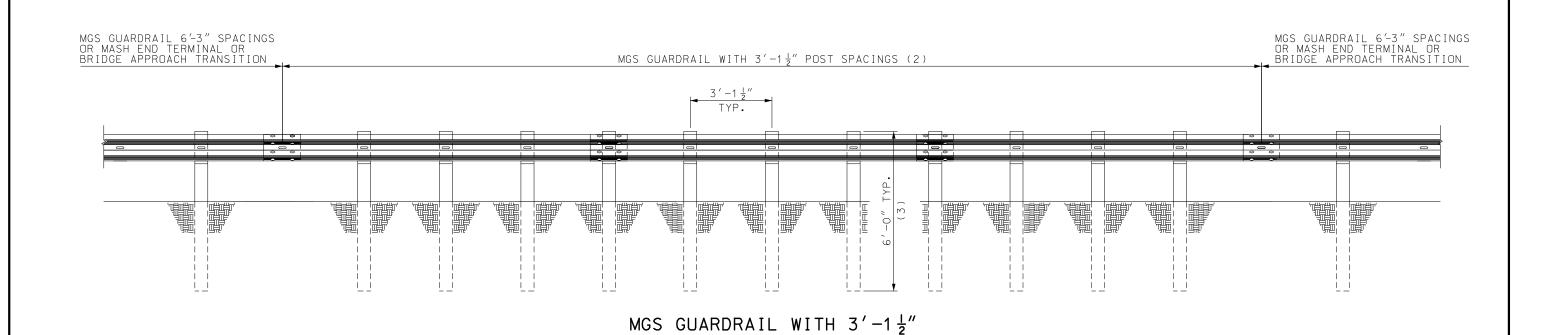
MIDWEST GUARDRAIL SYSTEM (MGS) POST AND BLOCK

DATE EFFECTIVE: DATE PREPARED:

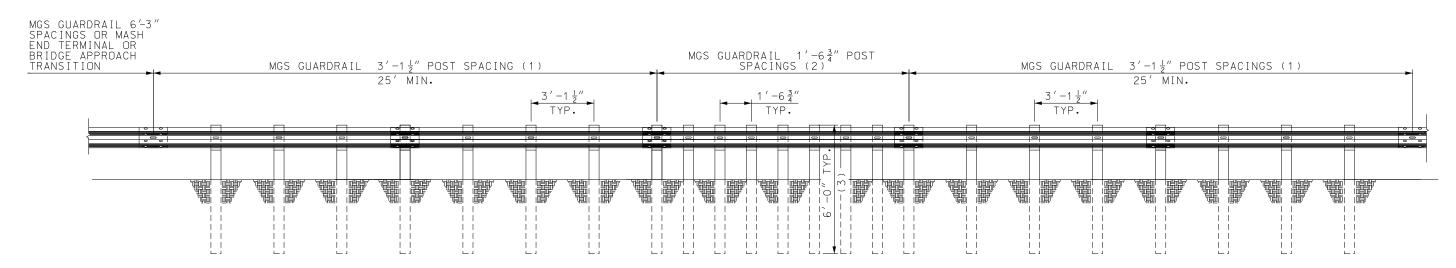
7/1/2025 3/26/2025

606.50F

SHEET NO. 3 OF 9

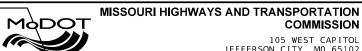


POST SPACING



MGS GUARDRAIL WITH $1'-6\frac{3}{4}"$ POST SPACING

- (1) 25 FEET OF MGS $3'-1\frac{1}{2}''$ POST SPACING GUARDRAIL IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF $1'-6\frac{3}{4}''$ POST SPACING MGS GUARDRAIL.
- (2) USE AS MANY SEGMENTS AS NECESSARY TO SHIELD THE AREA OF CONCERN.
- (3) REDUCED POST SPACING SHALL USE 6'-0" POSTS MAX. ANY DEVIATION OF 6'-0" POSTS WILL ONLY BE ALLOWED IN ACCORDANCE WITH SPECIAL INSTALLATIONS AS SHOWN ON SHEET 5.



105 WEST CAPITOL JEFFERSON CITY, M0 65102 1-888-ASK-MODOT (1-888-275-6636)



MIDWEST GUARDRAIL SYSTEM (MGS) REDUCED POST SPACINGS

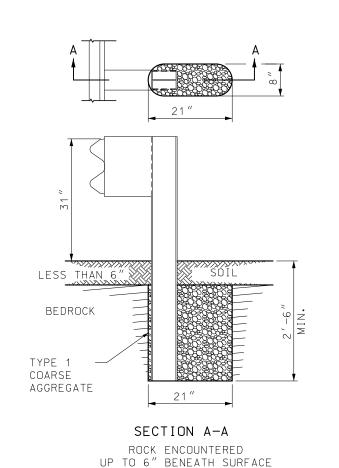
DATE EFFECTIVE: DATE PREPARED:

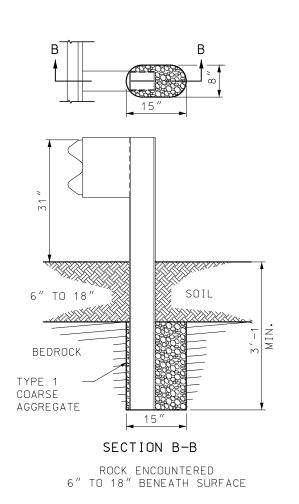
7/1/2024 4/10/2024

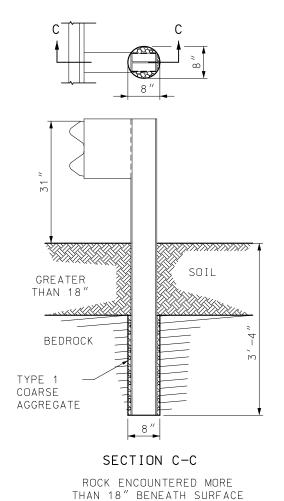
606.50F

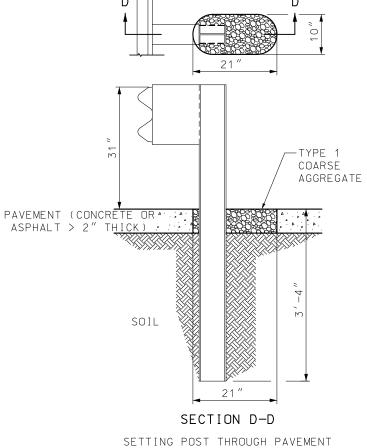
SHEET NO. 4 OF 9

COMMISSION



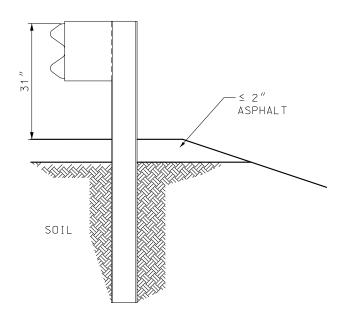






(CONCRETE OR ASPHALT > 2" THICK)

SETTING POST IN SOLID ROCK



SETTING POST THROUGH ASPHALT ≤ 2" THICK

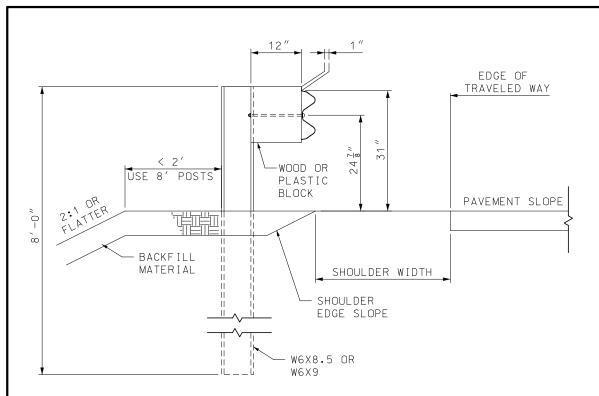
GENERAL NOTES:

HOLES IN SOLID ROCK SHALL PROVIDE A DIAMETER OF NOT LESS THAN 4 INCHES GREATER THAN THE MAXIMUM TRANSVERSE DIMENSION OF THE POST SECTION.

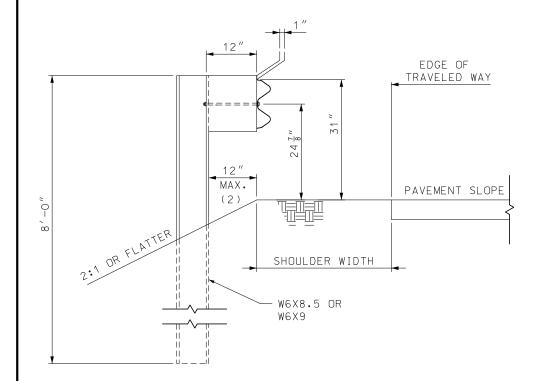
POST MAY BE SHORTER WHERE PLACED IN 2 FEET OF SOLID ROCK. STEEL POSTS MAY BE FLAME OR SAW CUT. REPAIR OF CUT SHALL BE IN ACCORDANCE WITH SEC 712 OF THE STANDARD SPECIFICATIONS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR CUTTING THE OVERSIZED HOLES OR PLACING AGGREGATE IN THE HOLES, AS INDICATED IN THIS PLAN.

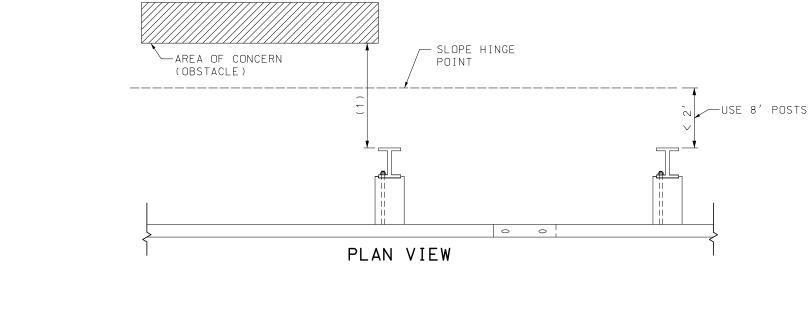


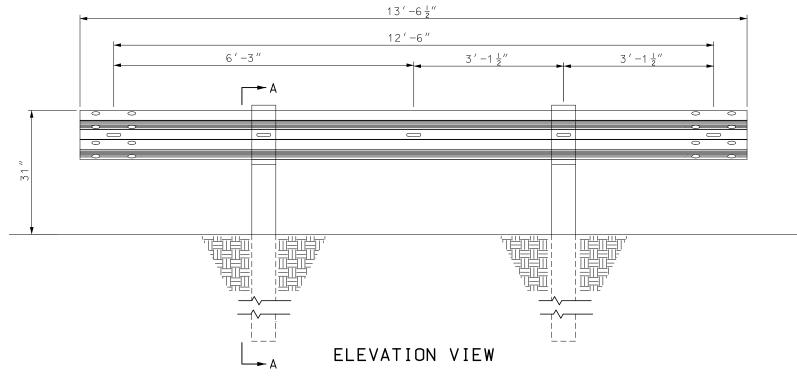


SECTION A-A 8' STEEL POST



ALTERNATE SECTION A-A
MAXIMUM LATERAL PLACEMENT OF
8' STEEL POSTS ON SLOPES





- (1) 3'-6" MINIMUM CLEARANCE TO THE FACE OF OBSTACLE WITH 8' POSTS AND A 2:1 OR FLATTER SLOPE.
- (2) WHERE THERE IS NOT SUFFICIENT EMBANKMENT BEYOND THE SHOULDER TO PLACE THE GUARDRAIL POST, THE POST MAY BE PLACED A MAXIMUM OF 12" BEYOND THE SLOPE BREAK POINT OF A 2:1 OR FLATTER SLOPE.

GENERAL NOTES:

8-FOOT POSTS SHALL BE USED WHEN LESS THAN 2 FEET OF EMBANKMENT IS PRESENT BETWEEN THE BACK OF THE GUARDRAIL POST AND THE SLOPE BREAK POINT. THE SUBSTITUTION OF 8-FOOT POSTS IN LIEU OF REQUIRED GRADING, TO CONSTRUCT LESS THAN THE DESIGNED TYPICAL SECTION, SHALL NOT BE ALLOWED.

8-FOOT POSTS CANNOT BE USED WHEN POST SPACING IS LESS THAN 6'-3'', WITHIN VERTICAL BARRIER OR BRIDGE APPROACH TRANSITIONS, OR WITHIN CRASHWORTHY END TERMINALS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, M0 65102 1-888-ASK-MODOT (1-888-275-6636)



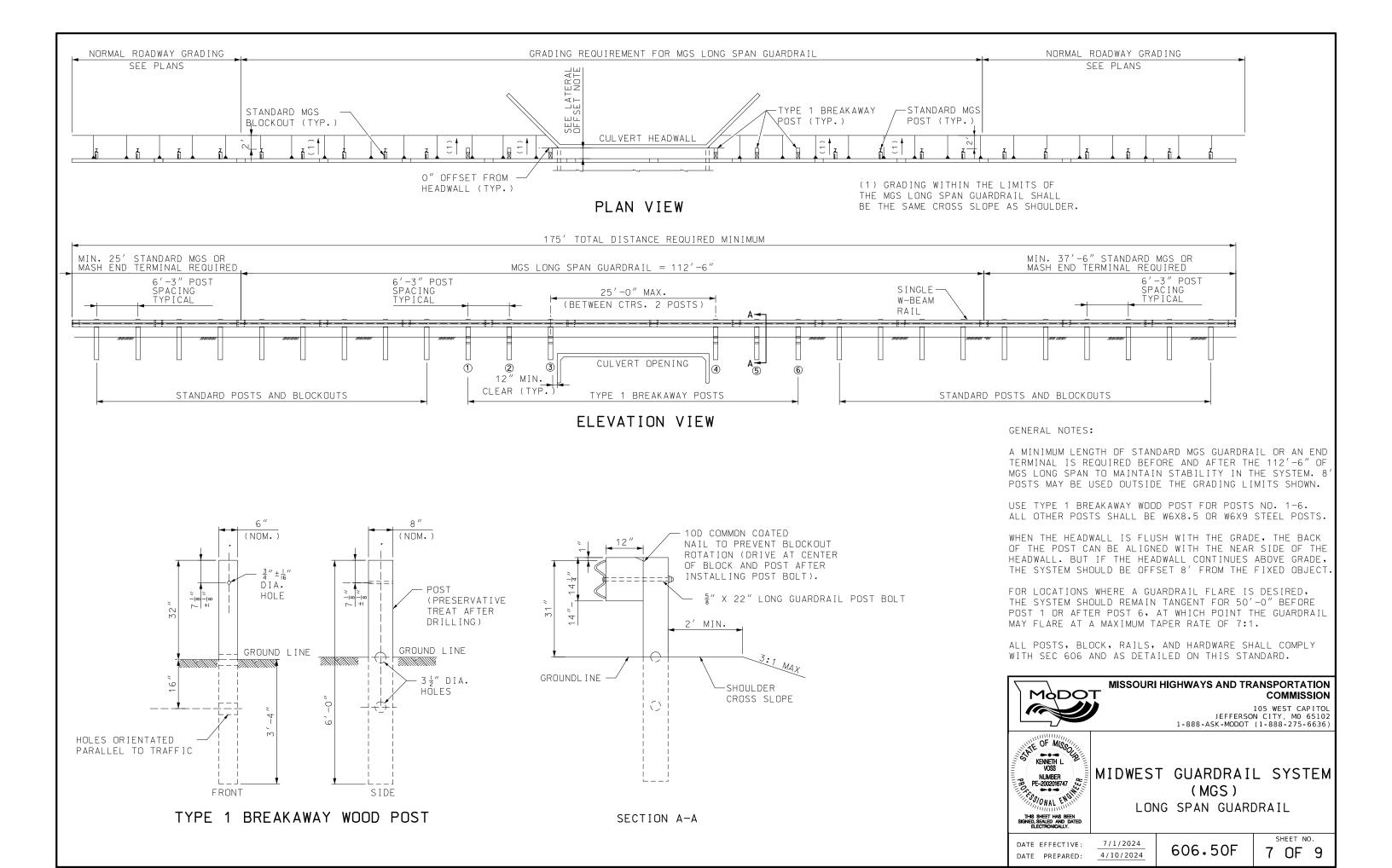
MIDWEST GUARDRAIL SYSTEM (MGS)
8-FOOT POST

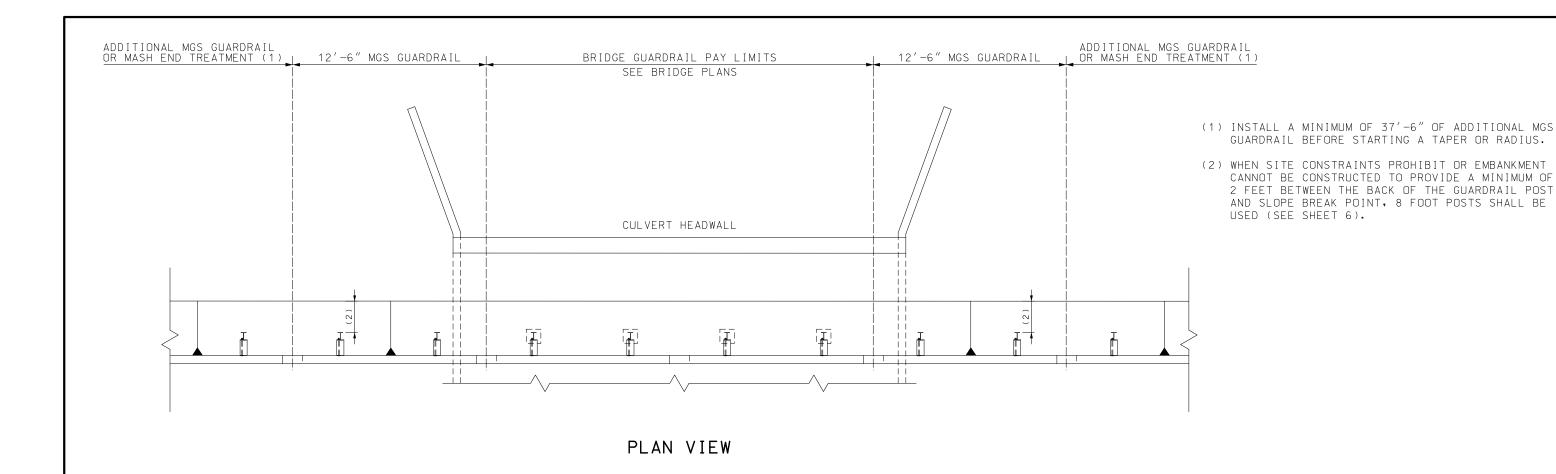
DATE EFFECTIVE:
DATE PREPARED:

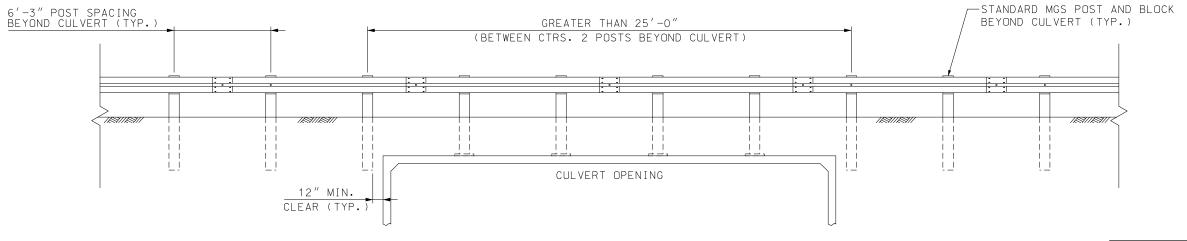
7/1/2024

606.50F

SHEET NO.







ELEVATION VIEW



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, M0 65102 1-888-ASK-MODOT (1-888-275-6636)



MIDWEST GUARDRAIL SYSTEM (MGS) ON CONCRETE BOX CULVERT

DATE EFFECTIVE: DATE PREPARED:

7/1/2024

606.50F

SHEET NO.

