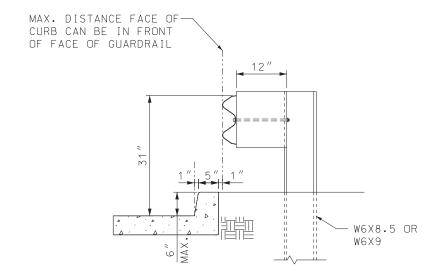
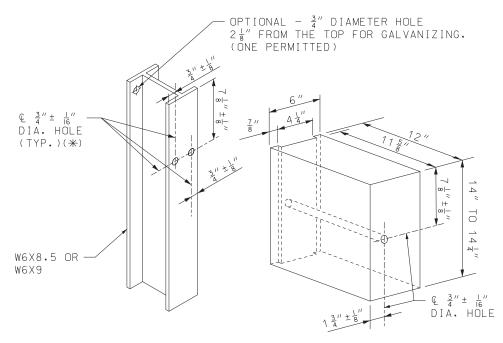


MGS GUARDRAIL AT CURB



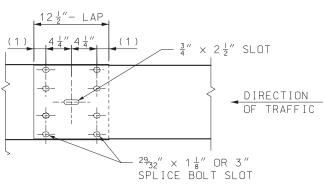
CURB

ALTERNATE MGS AT CURB



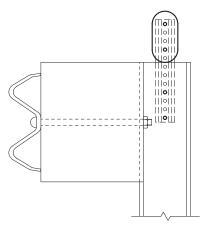
FOR STEEL POST AND NOTCHED WOOD OR PLASTIC BLOCK HOLE PUNCHING DETAIL

(*) 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 903.03.



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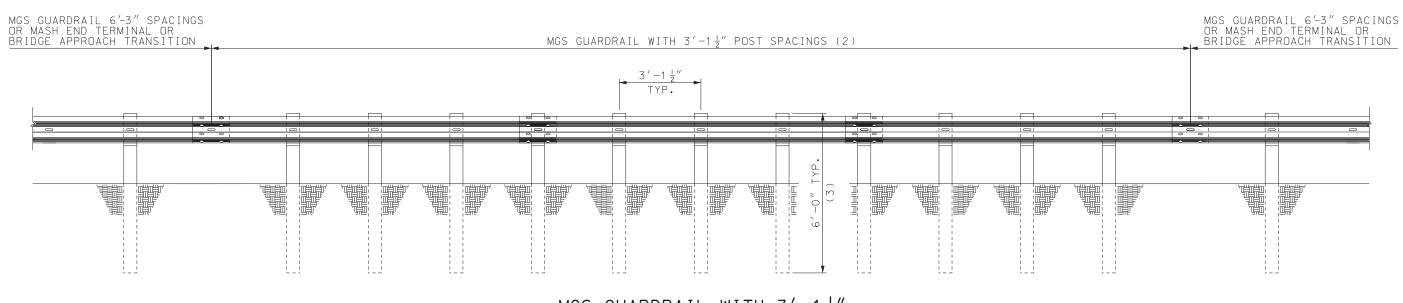
MIDWEST GUARDRAIL SYSTEM (MGS) POST AND BLOCK

DATE EFFECTIVE: 01/01/2023 DATE PREPARED:

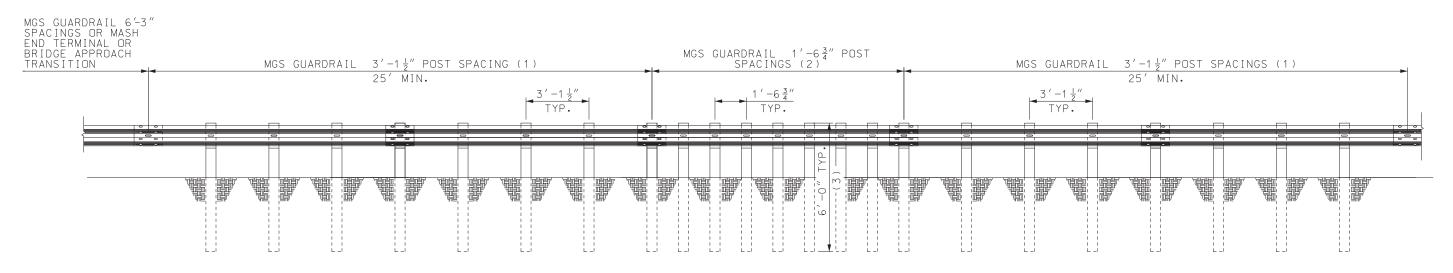
10/7/2022

606.50E

SHEET NO. 3 OF 8



MGS GUARDRAIL WITH $3'-1\frac{1}{2}"$ POST SPACING



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

- (1) 25 FEET OF MGS 3'-1½" 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 OF 8.

GENERAL NOTES:

- 8' POSTS CANNOT BE USED WHEN:
- POST SPACING IS LESS THAN 6'-3"
- WITHIN CRASHWORTHY END TERMINALS (SEE MANUFACTURERS DRAWINGS)
- WITHIN VERTICAL BARRIER TRANSITIONS (606.60)
- WITHIN BRIDGE APPROACH TRANSITIONS (606.70)



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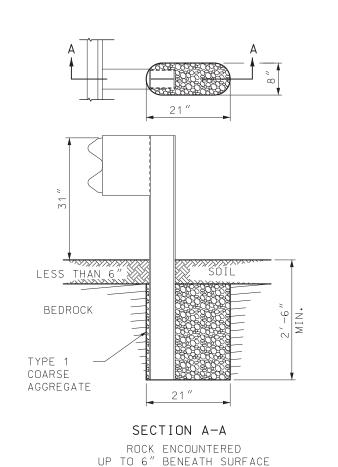
MIDWEST GUARDRAIL SYSTEM (MGS) REDUCED POST SPACINGS

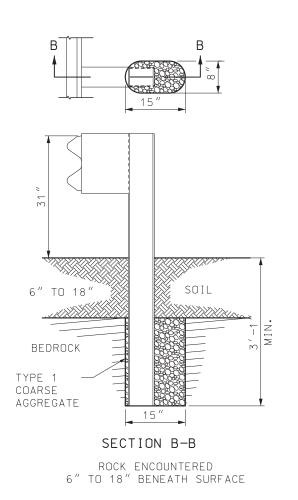
DATE EFFECTIVE: 01/01/2023 DATE PREPARED:

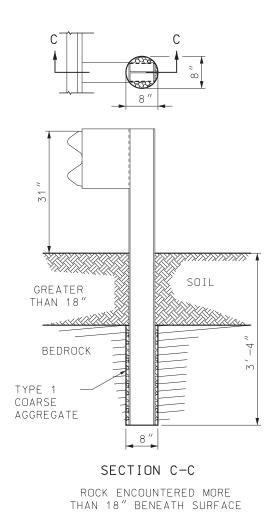
10/7/2022

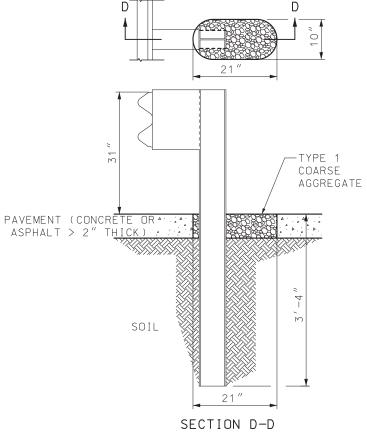
606.50E

SHEET NO. 4 OF 8



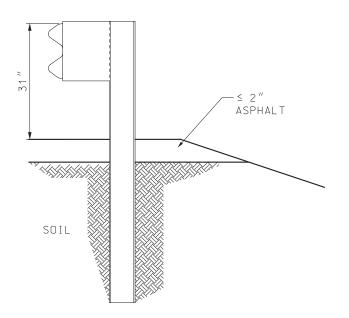






SETTING POST THROUGH PAVEMENT (CONCRETE OR ASPHALT > 2" THICK)

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.



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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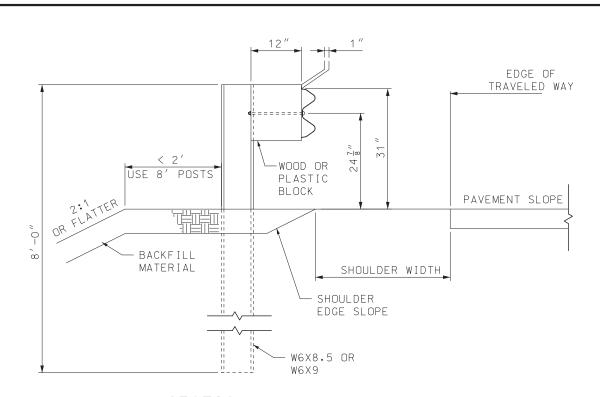
MIDWEST GUARDRAIL SYSTEM (MGS) SPECIAL INSTALLATIONS

DATE EFFECTIVE: 01/01/2023 DATE PREPARED:

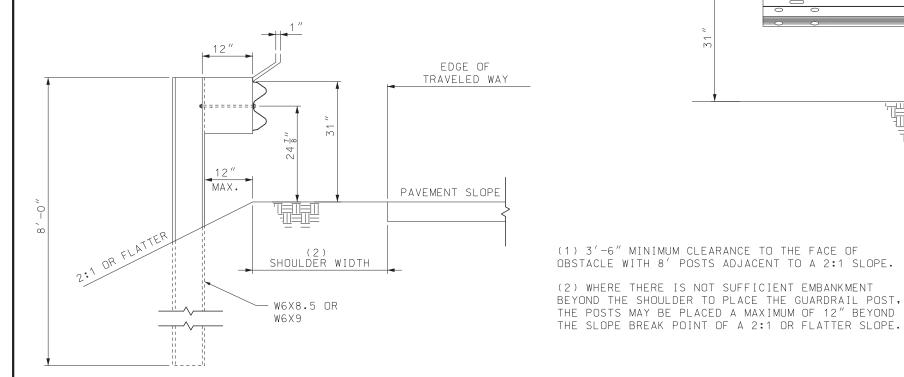
10/7/2022

606.50E

SHEET NO. 5 OF 8







GENERAL NOTES:

TERMINALS.

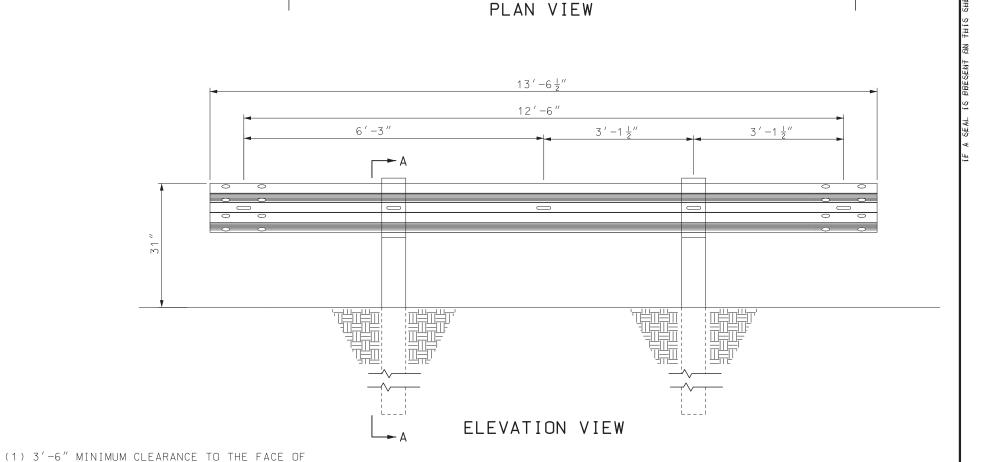
SEE STD. PLAN 606.81 FOR SITE GRADING REQUIREMENTS FOR CRASHWORTHY END

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 SHALL BE USED WHEN LESS THAN 2 FEET OF EMBANKMENT IS PRESENT

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



← SLOPE HINGE

0

MODOT

NUMBER PE-30042 PE-30042

DATE PREPARED:

DATE EFFECTIVE: 01/01/2023

10/7/2022

0 |

-USE 8' POSTS

MISSOURI HIGHWAYS AND TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM

(MGS)

8 FT. POST

606.50E

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COMMISSION

SHEET NO.

6 OF 8

POINT

-AREA OF CONCERN

(OBSTACLE)

