

**TYPICAL LAYOUT AT PIERS AND SIGN SUPPORTS USING GUARDRAIL TYPE MGS-8**

\* THE 22' DIMENSION IS CENTERED ON THE PIER OR MEDIAN FROM BACK OF GUARDRAIL TO BACK OF GUARDRAIL. FOR PIERS GREATER THAN 4' IN WIDTH/DIAMETER, INCREASE THE 22' DIMENSION TO PIER WIDTH/DIAMETER + 18'.

\*\* INCREASE LENGTH BY 7.5' FOR EACH FOOT OF PIER WIDTH/DIAMETER ABOVE 4'.

\*\*\* ENSURE NO PORTION OF GUARDRAIL ENCROACHES ON SHOULDER.

**FOR MEDIANS 36' WIDE  
TO MEDIANS LESS THAN 70' WIDE  
USING GUARDRAIL TYPE MGS-8**

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF FIELD SERVICES



DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR  
**GUARDRAIL MEDIAN OBJECT PROTECTION**

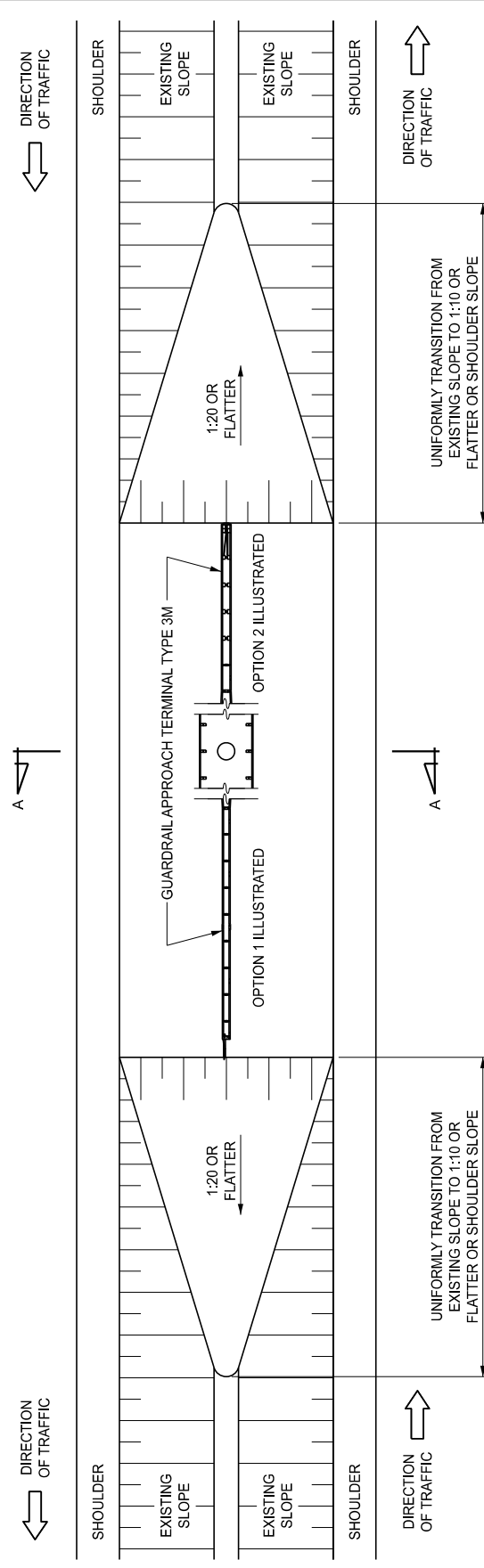
APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF DEVELOPMENT

(SPECIAL DETAIL)  
FHWA APPROVAL

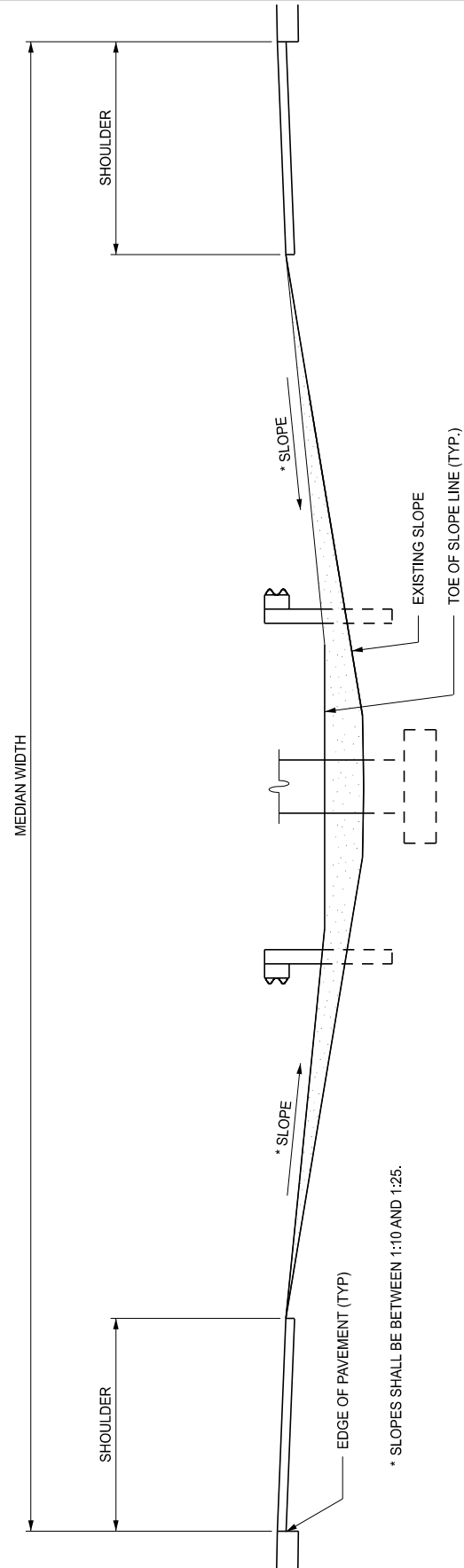
10/10/2023  
PLAN DATE

**R-56-F**

SHEET  
1 OF 6



**GRADING OF SLOPES AT PIERS**



\* SLOPES SHALL BE BETWEEN 1:10 AND 1:25.

**SECTION A-A  
GRADING IN MEDIANS FROM 36' TO LESS THAN 70' IN WIDTH  
USING GUARDRAIL TYPE MGS-8**



DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR  
**GUARDRAIL MEDIAN OBJECT PROTECTION**

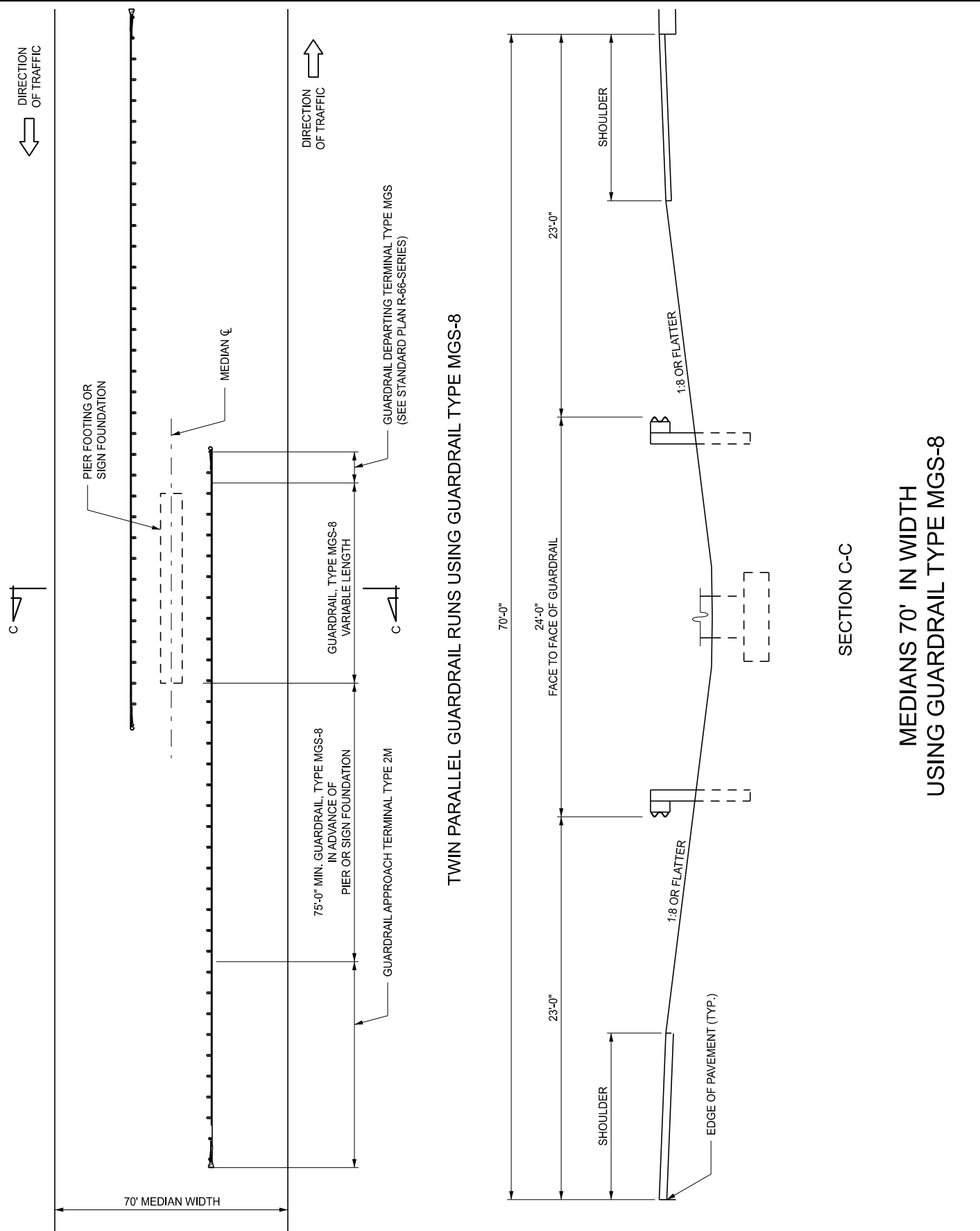
(SPECIAL DETAIL)  
FHWA APPROVAL

10/10/2023  
PLAN DATE

**R-56-F**

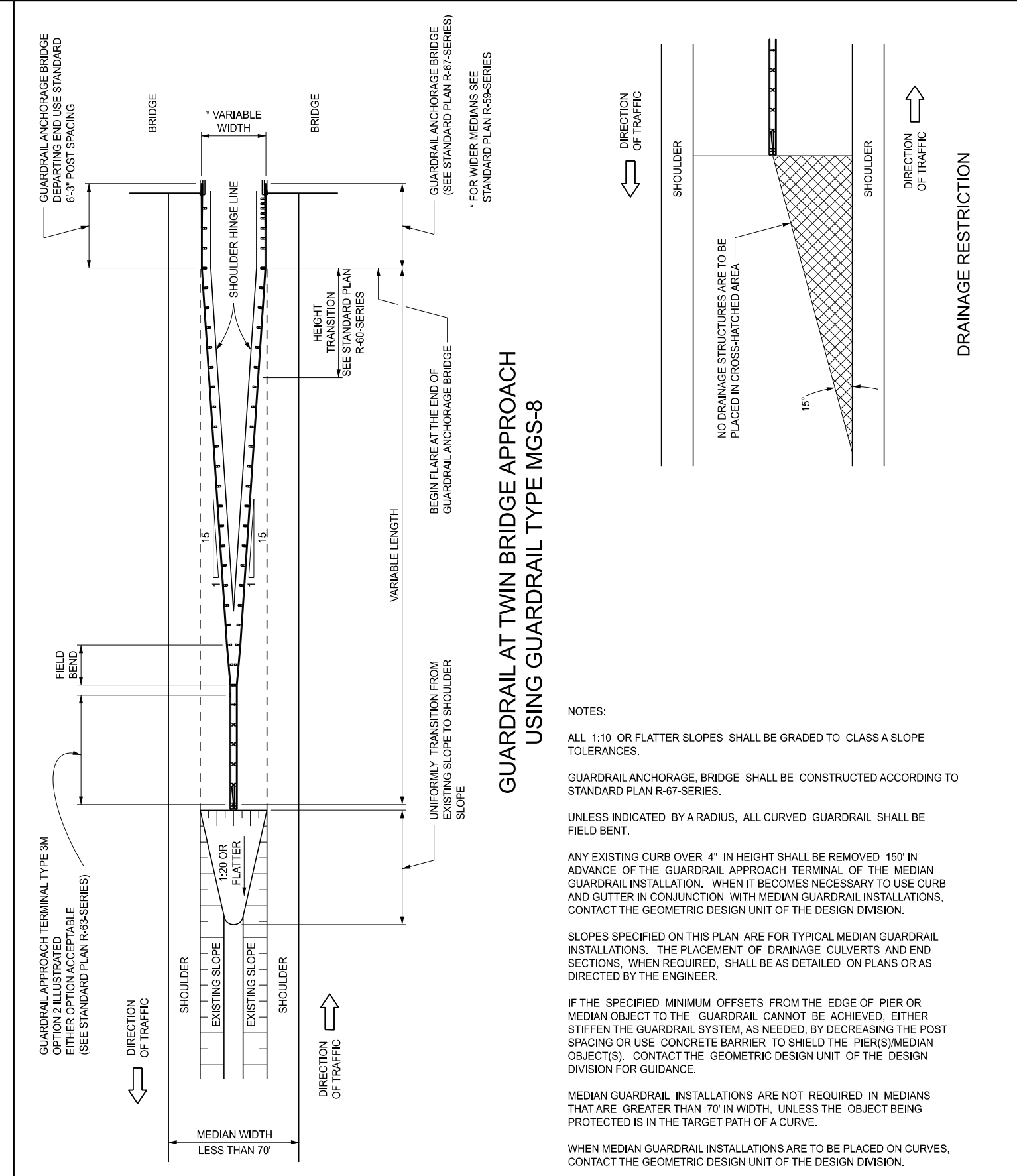
SHEET  
2 OF 6

SECT



SECTION C-C

MEDIANS 70' IN WIDTH  
USING GUARDRAIL TYPE MGS-8



GUARDRAIL AT TWIN BRIDGE APPROACH  
USING GUARDRAIL TYPE MGS-8

- NOTES:
- ALL 1:10 OR FLATTER SLOPES SHALL BE GRADED TO CLASS A SLOPE TOLERANCES.
  - GUARDRAIL ANCHORAGE, BRIDGE SHALL BE CONSTRUCTED ACCORDING TO STANDARD PLAN R-67-SERIES.
  - UNLESS INDICATED BY A RADIUS, ALL CURVED GUARDRAIL SHALL BE FIELD BENT.
  - ANY EXISTING CURB OVER 4" IN HEIGHT SHALL BE REMOVED 150' IN ADVANCE OF THE GUARDRAIL APPROACH TERMINAL OF THE MEDIAN GUARDRAIL INSTALLATION. WHEN IT BECOMES NECESSARY TO USE CURB AND GUTTER IN CONJUNCTION WITH MEDIAN GUARDRAIL INSTALLATIONS, CONTACT THE GEOMETRIC DESIGN UNIT OF THE DESIGN DIVISION.
  - SLOPES SPECIFIED ON THIS PLAN ARE FOR TYPICAL MEDIAN GUARDRAIL INSTALLATIONS. THE PLACEMENT OF DRAINAGE CULVERTS AND END SECTIONS, WHEN REQUIRED, SHALL BE AS DETAILED ON PLANS OR AS DIRECTED BY THE ENGINEER.
  - IF THE SPECIFIED MINIMUM OFFSETS FROM THE EDGE OF PIER OR MEDIAN OBJECT TO THE GUARDRAIL CANNOT BE ACHIEVED, EITHER STIFFEN THE GUARDRAIL SYSTEM, AS NEEDED, BY DECREASING THE POST SPACING OR USE CONCRETE BARRIER TO SHIELD THE PIER(S)/MEDIAN OBJECT(S). CONTACT THE GEOMETRIC DESIGN UNIT OF THE DESIGN DIVISION FOR GUIDANCE.
  - MEDIAN GUARDRAIL INSTALLATIONS ARE NOT REQUIRED IN MEDIANS THAT ARE GREATER THAN 70' IN WIDTH, UNLESS THE OBJECT BEING PROTECTED IS IN THE TARGET PATH OF A CURVE.
  - WHEN MEDIAN GUARDRAIL INSTALLATIONS ARE TO BE PLACED ON CURVES, CONTACT THE GEOMETRIC DESIGN UNIT OF THE DESIGN DIVISION.

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF DEVELOPMENT



STANDARD PLAN FOR GUARDRAIL MEDIAN OBJECT PROTECTION			
(SPECIAL DETAIL)	10/10/2023	R-56-F	SHEET 3 OF 6
FHWA APPROVAL	PLAN DATE		



STANDARD PLAN FOR GUARDRAIL MEDIAN OBJECT PROTECTION			
(SPECIAL DETAIL)	10/10/2023	R-56-F	SHEET 4 OF 6
FHWA APPROVAL	PLAN DATE		

SECT

