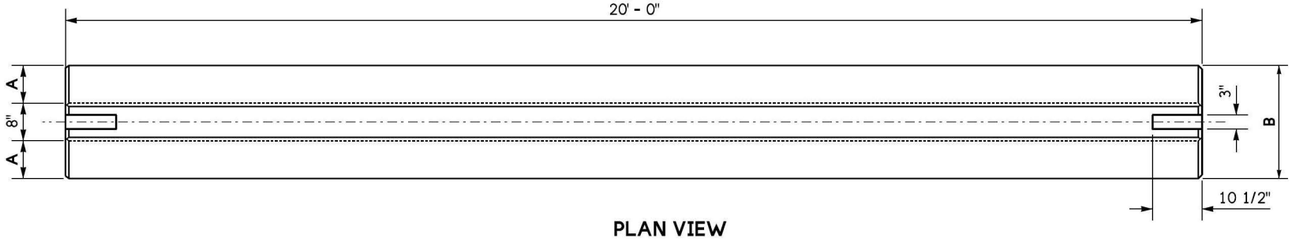
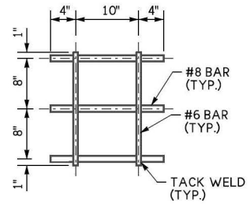


PLAN VIEW



REBAR GRID DETAIL

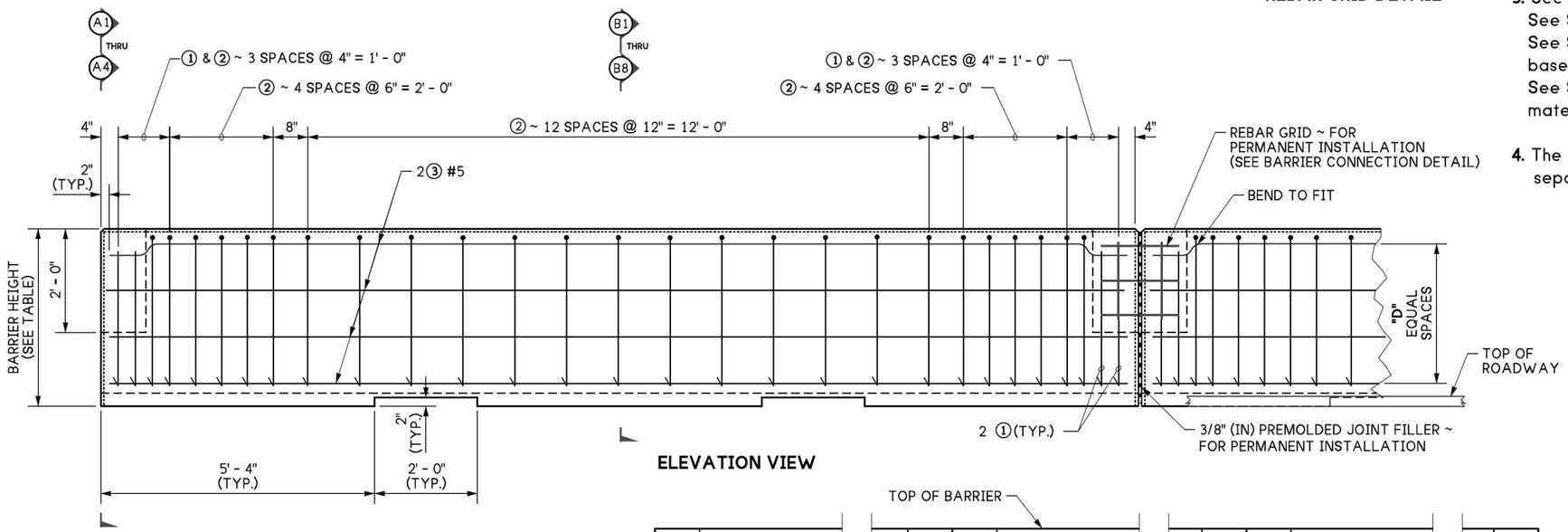
NOTES

1. INSTALLATION requirements: Embed barrier 3" (in) minimum in asphalt or concrete; Embed barrier 10" (in) minimum in compacted base material (e.g., CSBC, select borrow, gravel borrow, native soil, etc.). Install 3/8" (in) Premolded Joint Filler between segments; fill the Connection Blockout with grout, centering the Rebar Grid in the blockout before adding grout.

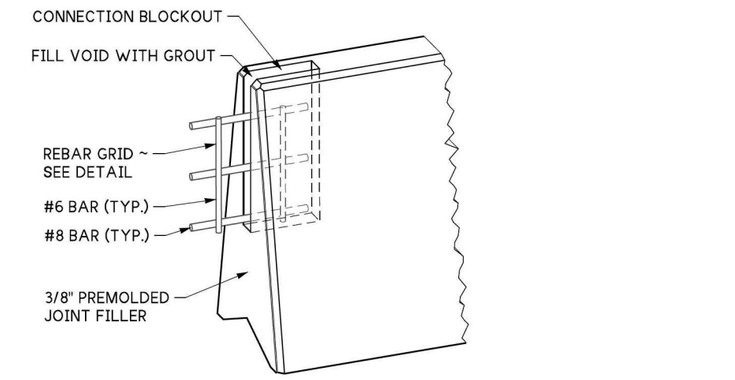
2. Use Cast-In-Place (CIP) single slope barrier **(Standard Plan C-80.10)** for Installation on a horizontal curve with a radius less than 2,000' (ft).

3. See Sheet 2 for barrier with a 2' - 10" reveal installed in asphalt or concrete.
   See Sheet 3 for barrier with a 3' - 6" reveal installed in asphalt or concrete.
   See Sheet 4 for barrier with a 2' -10" reveal installed in compacted base material (e.g., CSBC, select borrow, gravel borrow, native soil, etc.).
   See Sheet 4 for barrier with a 3' - 6" reveal installed in compacted base material (e.g., CSBC, select borrow, gravel borrow, native soil, etc.).

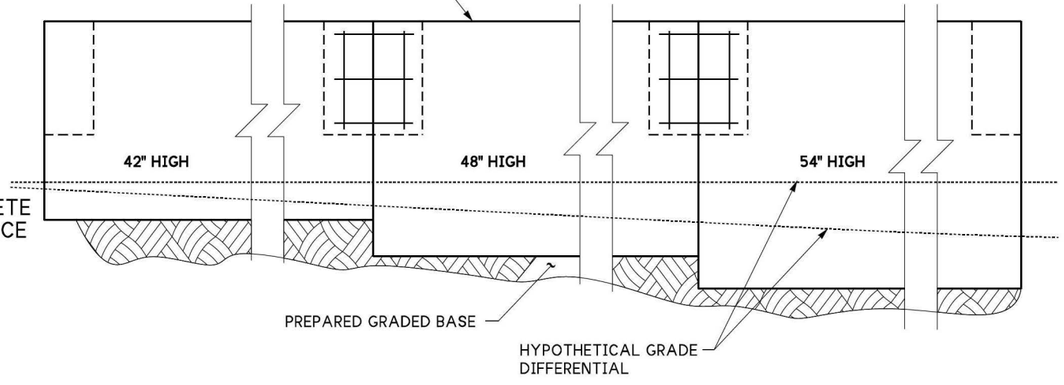
4. The barrier embedment depth shall be equal to or greater than the grade separation.



ELEVATION VIEW



BARRIER CONNECTION DETAIL



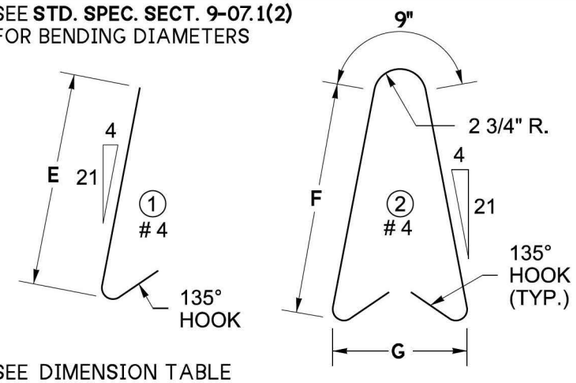
BARRIER TRANSITION DETAIL

NOTE:

STEEL WELDED WIRE REINFORCEMENT DEFORMED FOR CONCRETE MAY BE SUBSTITUTED FOR REINFORCING STEEL IN ACCORDANCE WITH **STANDARD SPECIFICATION SECTION 6-10.3.**

REINFORCING STEEL BENDING DIAGRAM

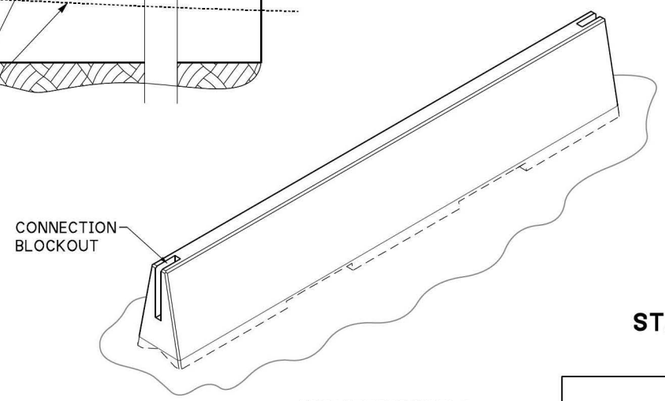
SEE **STD. SPEC. SECT. 9-07.1(2)** FOR BENDING DIAMETERS



SEE DIMENSION TABLE

DIMENSION TABLE

BARRIER HEIGHT	A	B	D	E	F	G	HORIZONTAL BARS (QTY.)
3' - 6"	8"	2' - 0"	3	2' - 8"	2' - 10"	1' - 7"	8
4' - 0"	9 1/8"	2' - 2 1/4"	4	3' - 2"	3' - 4"	1' - 9"	10
4' - 6"	10 1/4"	2' - 4 1/2"	5	3' - 8"	3' - 10"	1' - 11"	12



ISOMETRIC VIEW

TIMOTHY J MOECKEL
STATE OF WASHINGTON
56294
REGISTERED
PROFESSIONAL ENGINEER

Aug 12, 2026

SINGLE-SLOPE CONCRETE BARRIER (PRECAST) STANDARD PLAN C-70.10-05

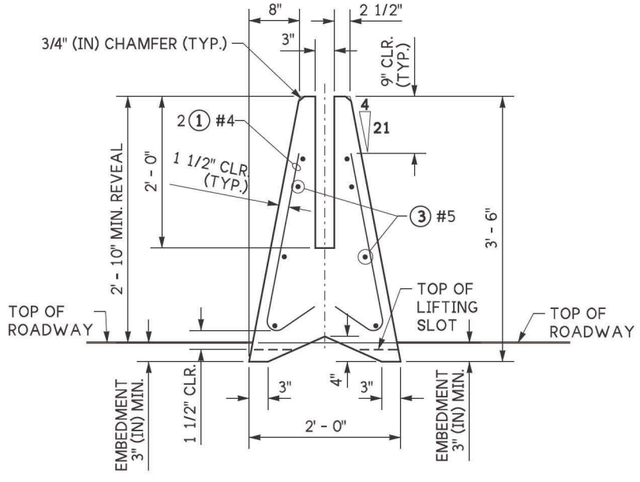
SHEET 1 OF 4 SHEETS

APPROVED FOR PUBLICATION

Mark A Gaines Aug 12, 2026

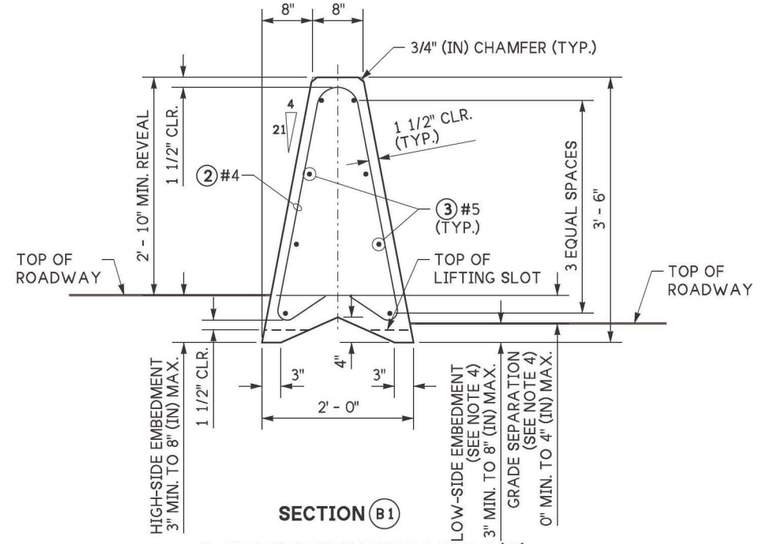
STATE DESIGN ENGINEER

Washington State Department of Transportation



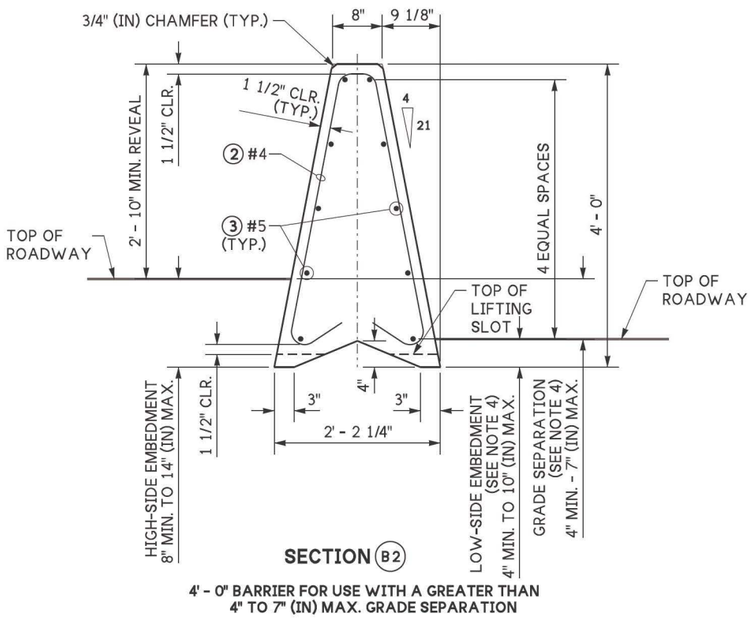
SECTION (A1)

(3' - 6" BARRIER ~ SHOWN LEVEL)



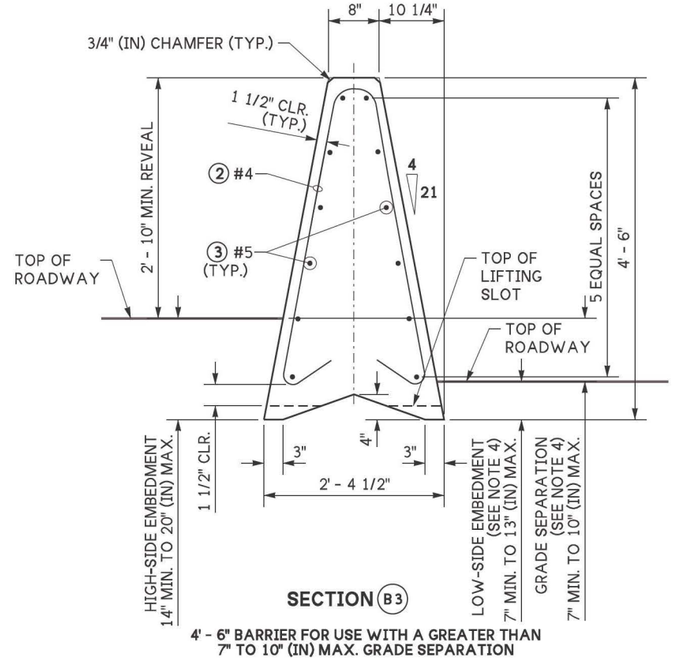
SECTION (B1)

3' - 6" BARRIER FOR USE WITH A 0" TO 4" (IN) MAX. GRADE SEPARATION



SECTION (B2)

4' - 0" BARRIER FOR USE WITH A GREATER THAN 4" TO 7" (IN) MAX. GRADE SEPARATION



SECTION (B3)

4' - 6" BARRIER FOR USE WITH A GREATER THAN 7" TO 10" (IN) MAX. GRADE SEPARATION

SINGLE SLOPE BARRIER 2' - 10" MIN. REVEAL (EMBEDDED 3" MINIMUM IN ASPHALT OR CONCRETE)

TIMOTHY J MOECKEL
STATE OF WASHINGTON
56294
REGISTERED
PROFESSIONAL ENGINEER

Aug 12, 2026

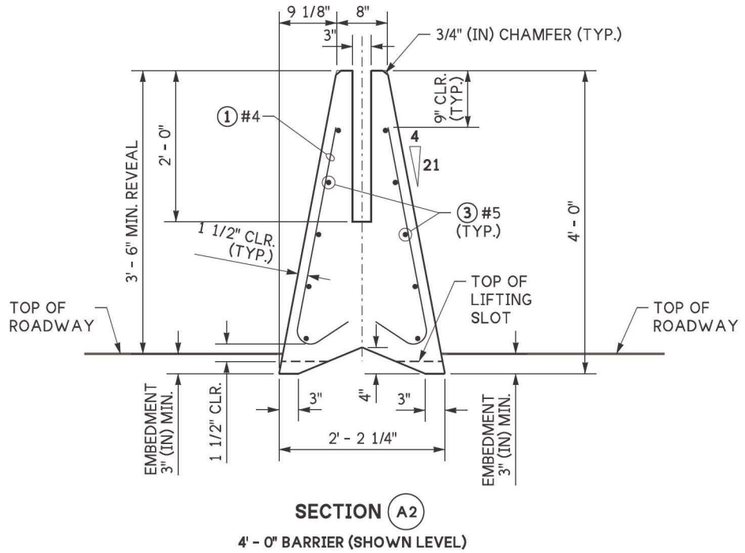
SINGLE-SLOPE CONCRETE BARRIER (PRECAST) STANDARD PLAN C-70.10-05

APPROVED FOR PUBLICATION

Mark A Daines — Aug 12, 2026

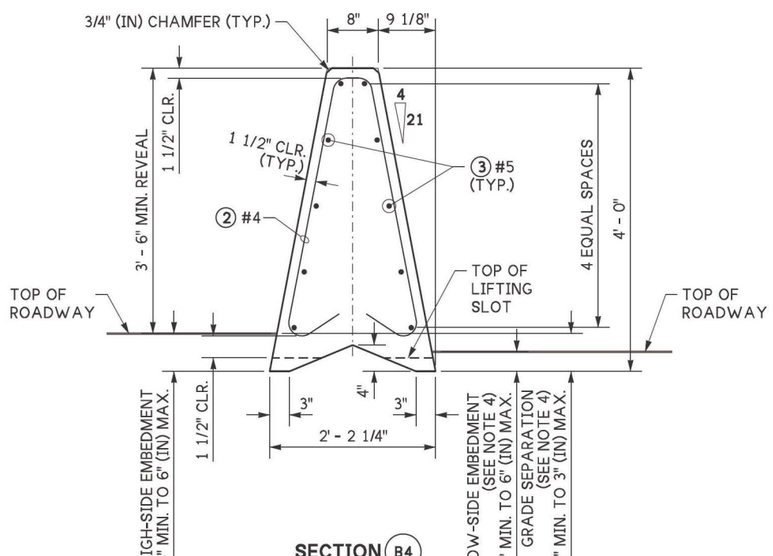
STATE DESIGN ENGINEER

Washington State Department of Transportation



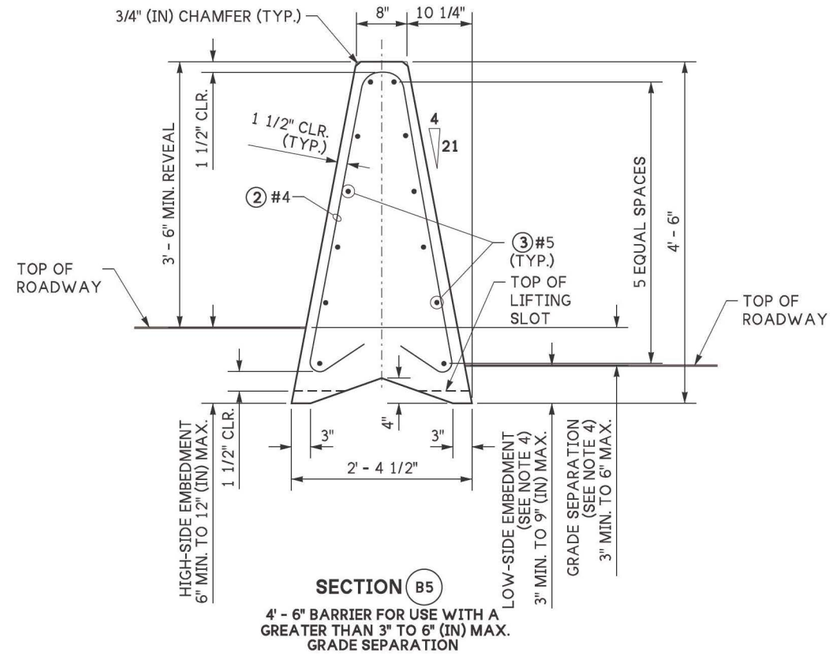
SECTION (A2)

4' - 0" BARRIER (SHOWN LEVEL)



SECTION (B4)

4' - 0" BARRIER FOR USE WITH A 0" TO 3" (IN) MAX. GRADE SEPARATION



SECTION (B5)

4' - 6" BARRIER FOR USE WITH A GREATER THAN 3" TO 6" (IN) MAX. GRADE SEPARATION

HIGH PERFORMANCE SINGLE SLOPE BARRIER ~ 3' - 6" REVEAL (EMBEDDED 3" (IN) MINIMUM IN ASPHALT OR CONCRETE)

Aug 12, 2026

SINGLE-SLOPE CONCRETE BARRIER (PRECAST) STANDARD PLAN C-70.10-05

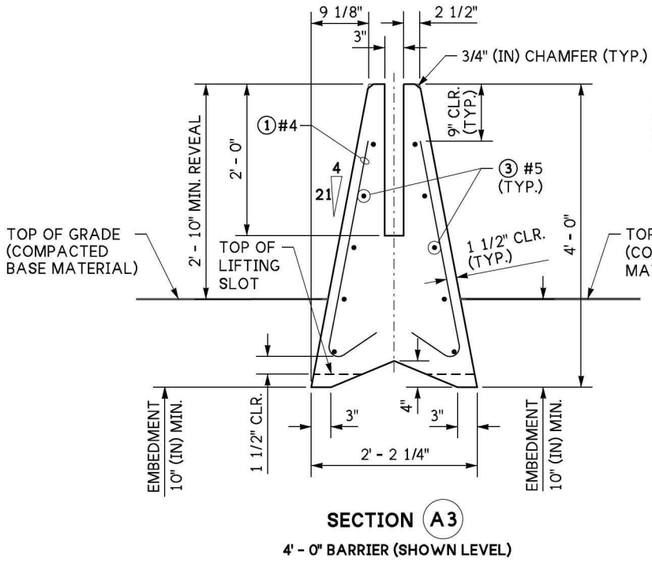
SHEET 3 OF 4 SHEETS

APPROVED FOR PUBLICATION

Mark A Dawes Aug 12, 2026

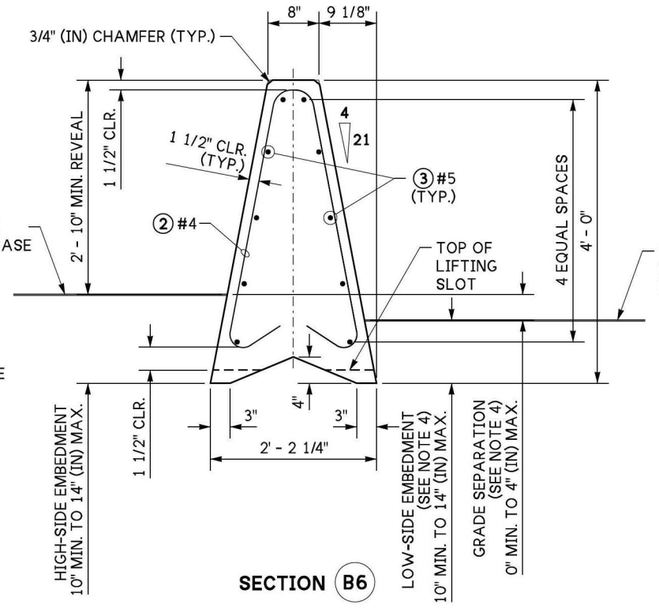
STATE DESIGN ENGINEER

Washington State Department of Transportation



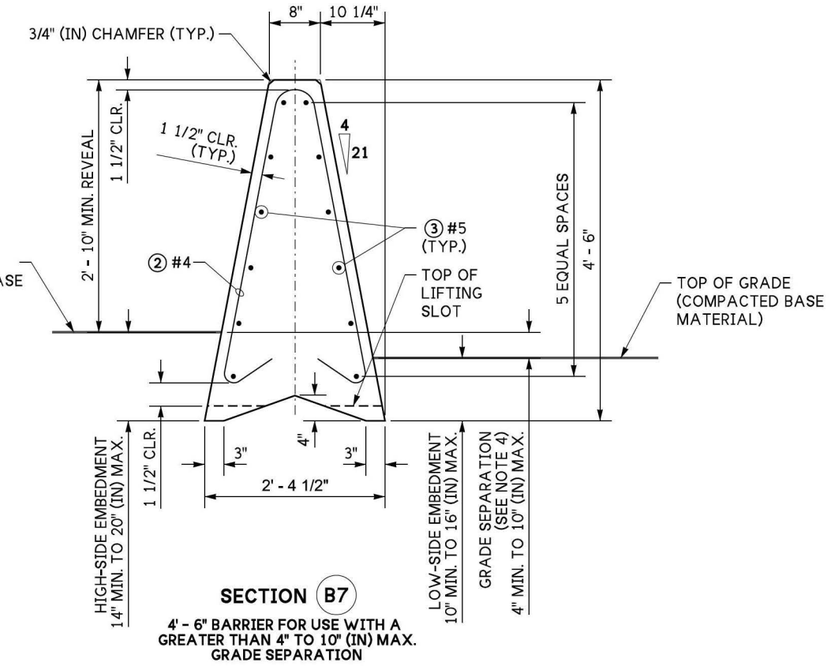
SECTION (A3)

4' - 0" BARRIER (SHOWN LEVEL)



SECTION (B6)

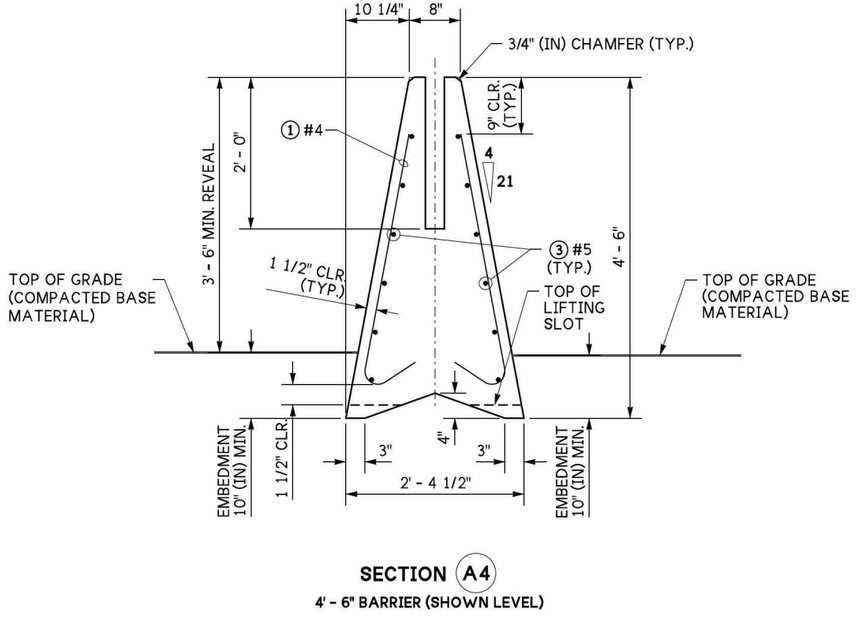
4' - 0" BARRIER FOR USE WITH A GREATER THAN 0" TO 4" (IN) MAX. GRADE SEPARATION



SECTION (B7)

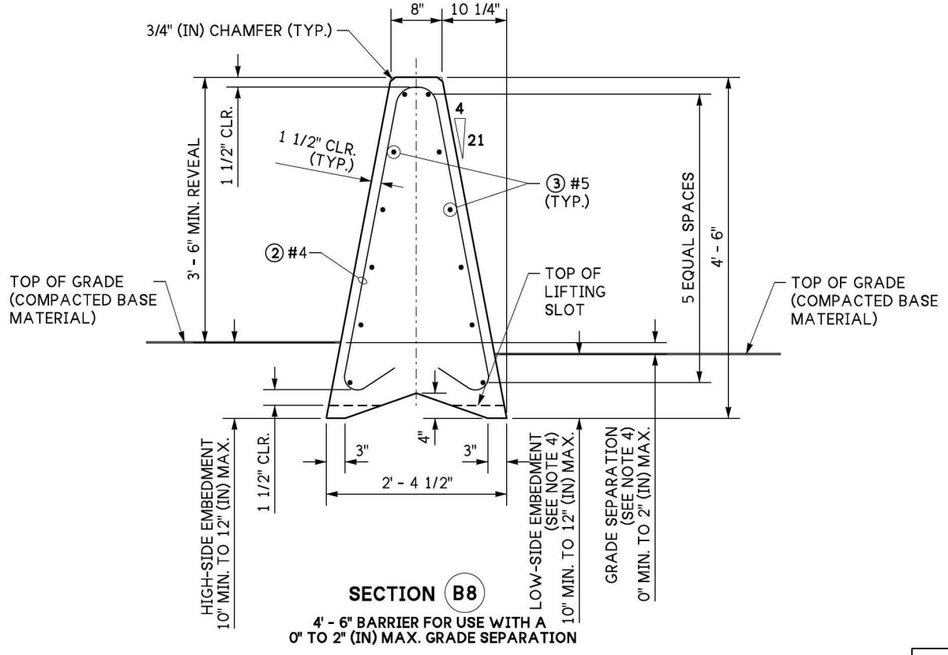
4' - 6" BARRIER FOR USE WITH A GREATER THAN 4" TO 10" (IN) MAX. GRADE SEPARATION

SINGLE SLOPE BARRIER ~ 2' - 10" MINIMUM REVEAL ~ EMBEDDED 10" (IN) MINIMUM IN COMPACTED BASE MATERIAL (E.G., SELECT BORROW, GRAVEL BORROW, NATIVE SOIL, ETC.).



SECTION (A4)

4' - 6" BARRIER (SHOWN LEVEL)



SECTION (B8)

4' - 6" BARRIER FOR USE WITH A 0" TO 2" (IN) MAX. GRADE SEPARATION

HIGH PERFORMANCE SINGLE SLOPE BARRIER ~ 3' - 6" MINIMUM REVEAL EMBEDDED 10" (IN) MINIMUM IN COMPACTED BASE MATERIAL, (E.G., CSBC, SELECT BORROW, GRAVEL BORROW, NATIVE SOIL ETC.).

Aug 12, 2026

SINGLE-SLOPE CONCRETE BARRIER (PRECAST) STANDARD PLAN C-70.10-05

SHEET 4 OF 4 SHEETS

APPROVED FOR PUBLICATION

Mark A Dains Aug 12, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation