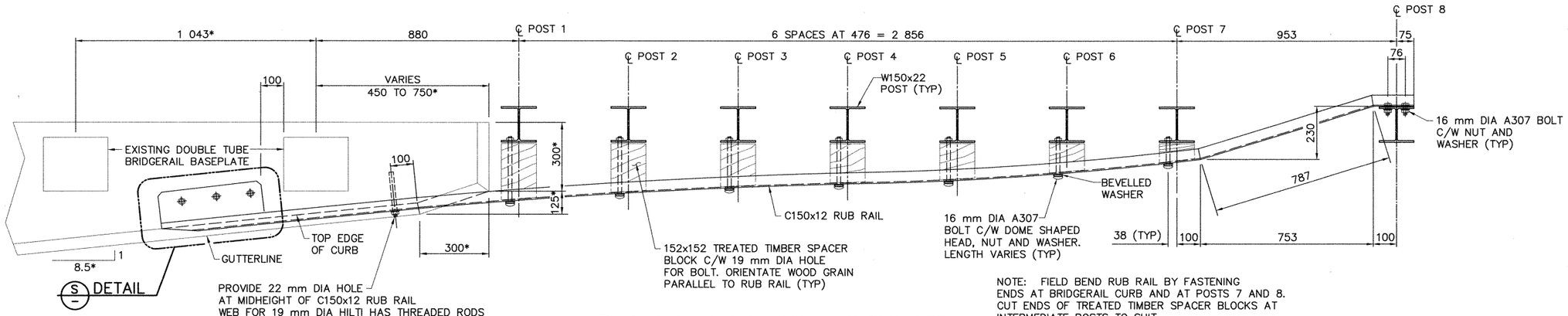


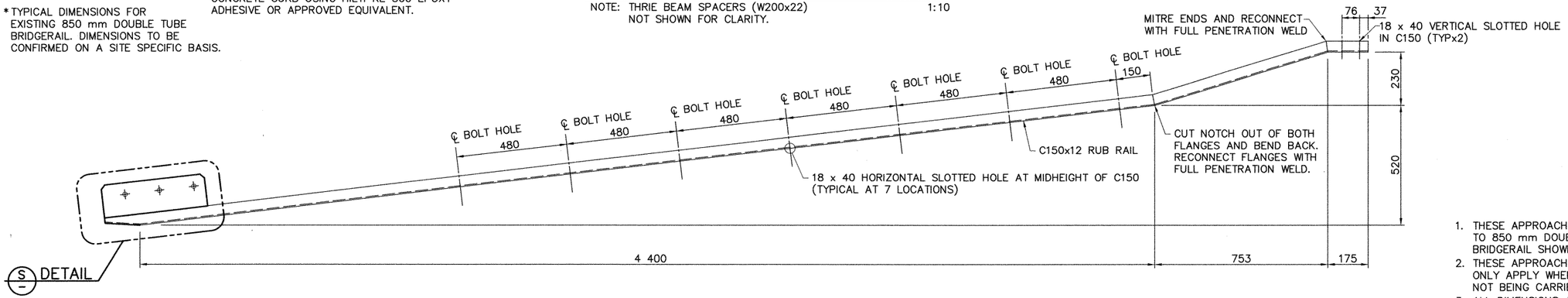
* TYPICAL DIMENSIONS FOR EXISTING 850 mm DOUBLE TUBE BRIDGERAIL. DIMENSIONS TO BE CONFIRMED ON A SITE SPECIFIC BASIS.

NOTE: FIELD BEND RUB RAIL BY FASTENING ENDS AT BRIDGERAIL CURB AND AT POSTS 7 AND 8. CUT ENDS OF TREATED TIMBER SPACER BLOCKS AT INTERMEDIATE POSTS TO SUIT.

RUB RAIL PLAN VIEW – INSTALLED

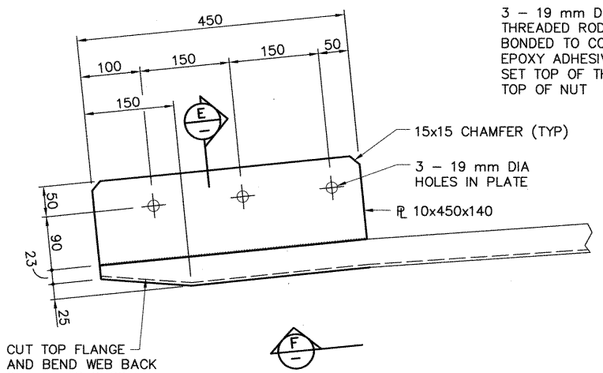
NOTE: THRIE BEAM SPACERS (W200x22) NOT SHOWN FOR CLARITY.

1:10

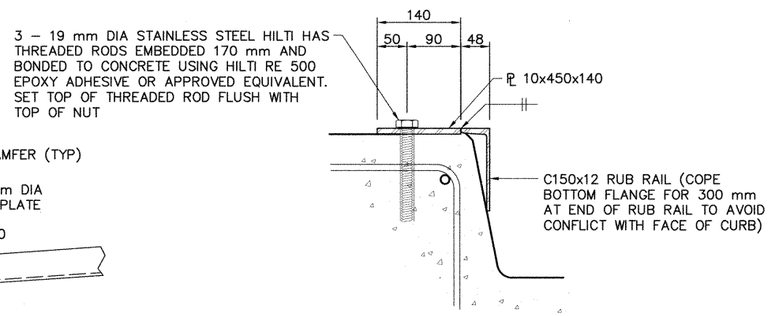


RUB RAIL PLAN VIEW – FABRICATED

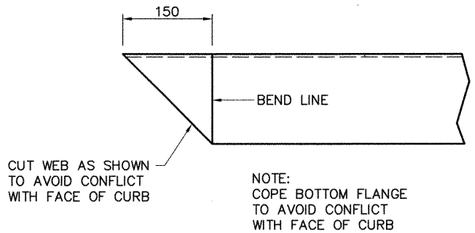
1:10



S RUB RAIL/CURB CONNECTION 1:5



E SECTION 1:5



F SECTION 1:5

GENERAL NOTES

1. THESE APPROACH RAIL TRANSITION UPGRADE DRAWINGS APPLY TO 850 mm DOUBLE TUBE BRIDGERAILS SIMILAR TO THE BRIDGERAIL SHOWN ON DWG S–1400–95.
2. THESE APPROACH RAIL TRANSITION UPGRADE DRAWINGS ONLY APPLY WHEN UPGRADING OF THE BRIDGERAIL IS NOT BEING CARRIED OUT.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

FABRICATION

1. APPROACH RAIL TRANSITION SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE SPECIFICATIONS FOR BRIDGE CONSTRUCTION SECTION 14 – GUARDRAIL.
2. ALL PLATE STEEL AND STRUCTURAL SHAPES SHALL CONFORM TO CSA G40.21 GRADE 300W, OR ASTM A36.
3. ALL BOLTS SHALL CONFORM TO ASTM A325 UNLESS NOTED OTHERWISE.
4. ALL W–BEAM AND THRIE BEAM GUARDRAIL (INCLUDING THRIE BEAM TERMINAL CONNECTOR AND W–THRIE BEAM TRANSITION SECTION) SHALL HAVE A MINIMUM YIELD STRENGTH OF 345 MPa.
5. TIMBER POSTS AND SPACERS SHALL BE COAST DOUGLAS FIR OR PACIFIC COAST HEMLOCK CONFORMING TO THE STRESS GRADE "SELECT STRUCTURAL POSTS AND TIMBERS" (NLGA PARAGRAPH 131 a).
6. ALL WELDING SHALL CONFORM TO CURRENT AWS SPECIFICATION DI.5.
7. ALL NON–STAINLESS STEEL MATERIALS SHALL BE HOT–DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH CSA G164 UNLESS NOTED OTHERWISE.

ERECTION

1. LINE AND ELEVATION OF BARRIER SHALL BE SET BY INSTRUMENT.
2. ALL POSTS SHALL BE VERTICAL.
3. ALL RAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC.
4. ALL GALVANIZED MATERIAL CUT OR DAMAGED IN THE FIELD SHALL BE TOUCHED UP WITH TWO COATS OF ZINC RICH PAINT.

● WORK THESE DRAWINGS TOGETHER: S–1716–07, S–1717–07, S–1718–07 AND S–1719–07

UMA | AECOM

PERMIT TO PRACTICE
UMA ENGINEERING LTD.
Signature Bob Ramsay
Date Aug 14, 2007
PERMIT NUMBER: P329
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

DESIGNER
PROFESSIONAL ENGINEER ALBERTA A. WAYNE STEWART
DATE 14-AUG-2007

CHECKER
PROFESSIONAL ENGINEER ALBERTA ROBERT JOHN RAMSAY
DATE Aug 14, 2007

REV	DATE	REVISIONS	BY
6			
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RECOMMENDED
DIRECTOR BRIDGE ENGINEERING
Tom Loo

APPROVED
EXECUTIVE DIRECTOR
TECHNICAL STANDARDS BRANCH
Mark Lobb
DATE AUG. 22/07

Alberta INFRASTRUCTURE AND TRANSPORTATION

APPROACH RAIL TRANSITION UPGRADE 850 mm DOUBLE TUBE BRIDGERAIL SHEET 3

AI BAR CODE	DATE	SHEET	DRAWING
	2007–04–02	3 OF 4	S–1718–07