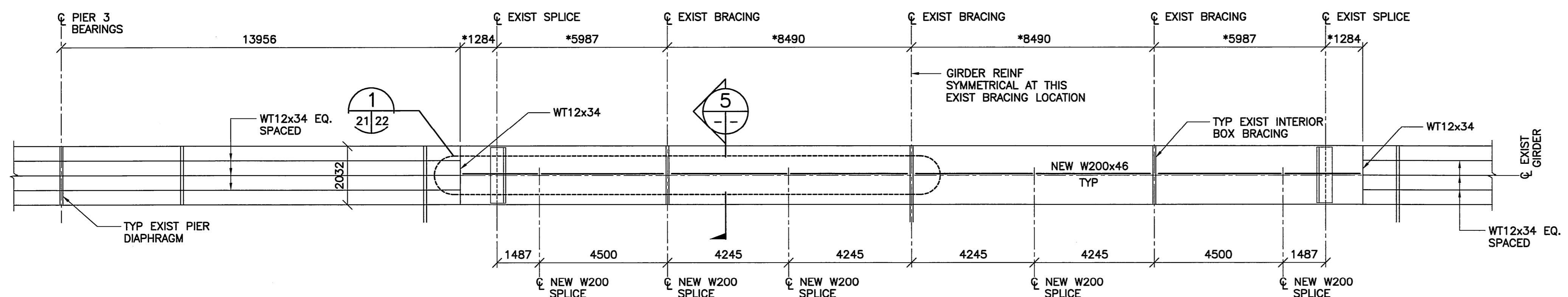
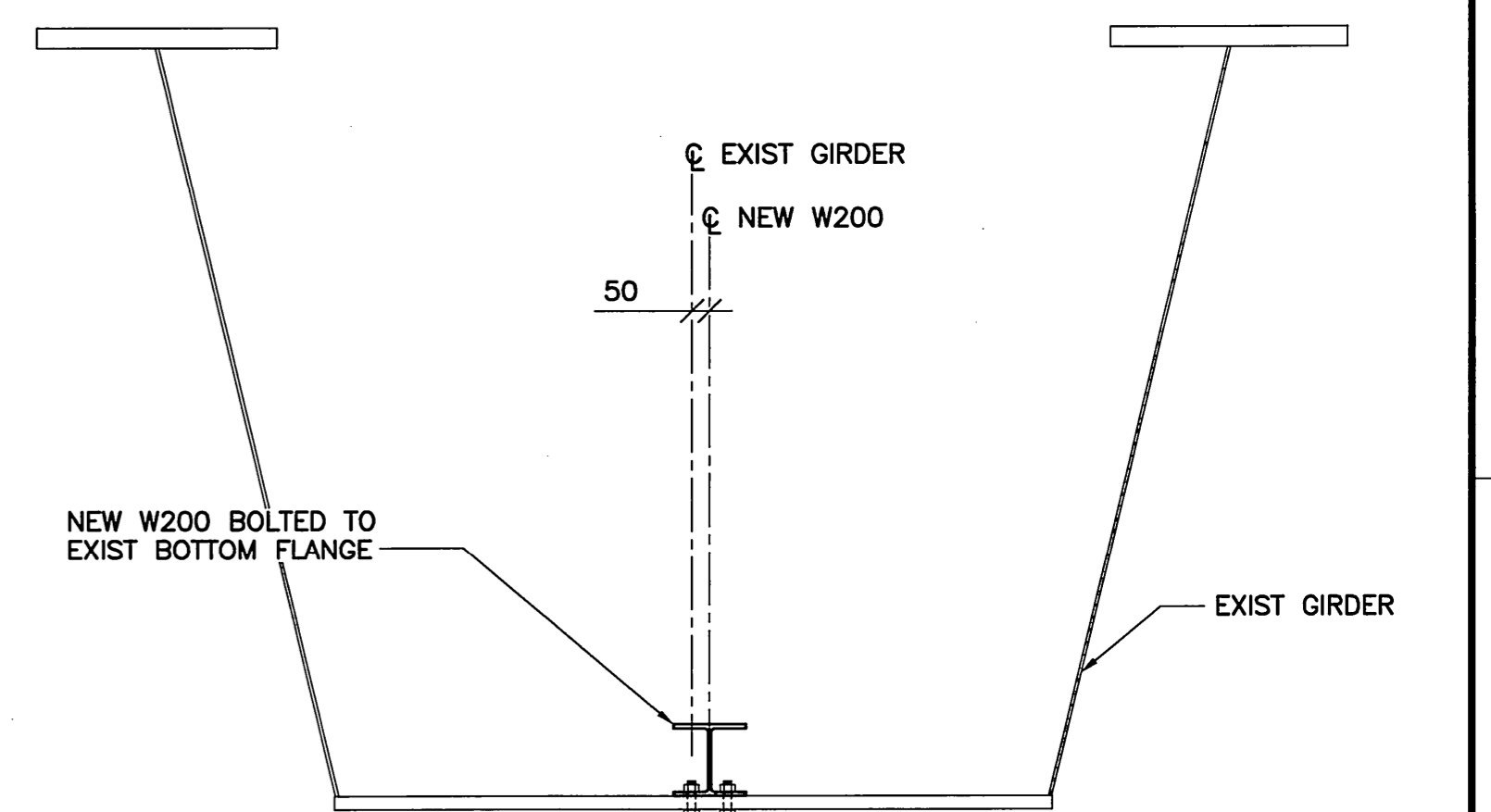


1 GIRDER BOTTOM FLANGE PLATE REINF - PARTIAL PLAN (SPAN 1)
 1 : 100
 - TYPICAL FOR BOTH GIRDERS OF THE WESTBOUND STRUCTURE

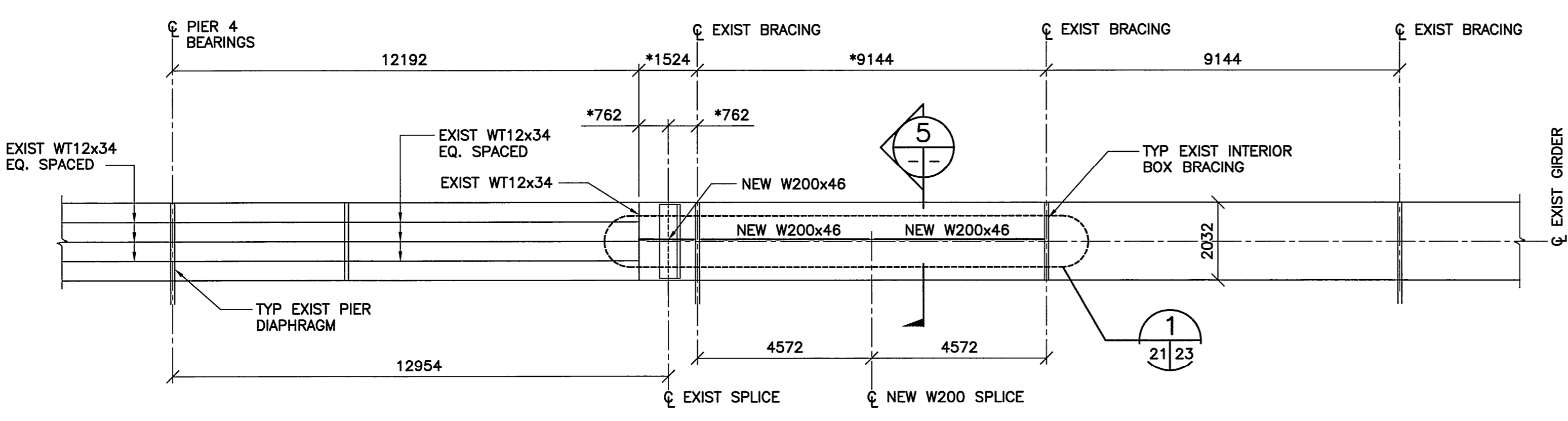
2 GIRDER BOTTOM FLANGE PLATE REINF - PARTIAL PLAN (SPAN 3)
 1 : 100
 - TYPICAL FOR BOTH GIRDERS OF THE WESTBOUND STRUCTURE



3 GIRDER BOTTOM FLANGE PLATE REINF - PARTIAL PLAN (SPAN 4)
 1 : 100
 - TYPICAL FOR BOTH GIRDERS OF THE WESTBOUND STRUCTURE



5 SECTION
 1 : 20
 - DECK NOT SHOWN



4 GIRDER BOTTOM FLANGE PLATE REINF - PARTIAL PLAN (SPAN 5)
 1 : 100
 - TYPICAL FOR BOTH GIRDERS OF THE WESTBOUND STRUCTURE

* FIELD VERIFY DIMENSIONS

STRUCTURAL STEEL NOTES:

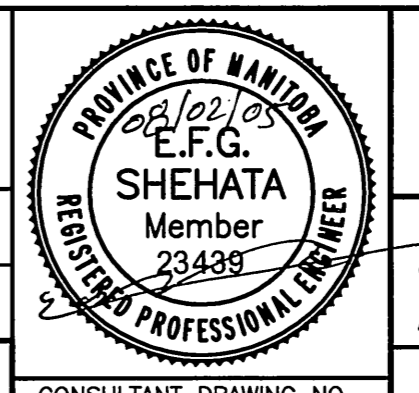
1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL TO CONFORM TO:
 - CSA S6-06 CANADIAN HIGHWAY BRIDGE DESIGN CODE
 - CAN3-S16.1-01, LIMIT STATES DESIGN OF STEEL STRUCTURES
 - CSA W59-03, WELDED STEEL CONSTRUCTION
 - CSA 040.20-04 GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL
 - CSA G40.21-04 STRUCTURAL QUALITY STEELS
2. ANGLES : TO G40.21-04, 300 MPa
3. W SHAPES : TO G40.21 GRADE 350WT CATEGORY 3
4. BOLTS : TO ASTM A325 (DRILL 24mm ϕ HOLES FOR 7/8" BOLTS) AND 16mm ϕ HOLES FOR 1/2" BOLTS)
5. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
6. BOLTS SHALL BE INSTALLED WITH THE HEADS TO OUTSIDE OF BOTTOM FLANGE.
7. STRUCTURAL STEEL TO RECEIVE SELF PRIMING TOP COAT (TERMARUST SERIES 2100). NO PRIMER SHALL BE APPLIED BETWEEN FAYING SURFACE.
8. EXISTING GIRDER : CSA G40.21 50A (ATMOSPHERIC CORROSION-RESISTANT WELDABLE STRUCTURAL STEEL).



B.M. ELEV.	F.B.	
DESIGNED BY	E.F.S./K.Y.	CHECKED BY
DRAWN BY	G.I.	APPROVED BY
HOR. SCALE:	AS NOTED	
VERTICAL:	DATE 08.02.05	
00 ISSUED FOR TENDER	08.02.05	DATE
NO. REVISIONS	DATE	BY

WARDROP Engineering Inc.

DESIGNED BY E.F.S./K.Y.
 CHECKED BY
 DRAWN BY G.I.
 APPROVED BY
 HOR. SCALE: AS NOTED
 ACCEPTED BY DATE 08.02.05
 VERTICAL: DATE 08.02.05
 RANDY FRANKS, P. ENG.
 BRIDGE PROJECTS ENGINEER



THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 TRANSPORTATION ENGINEERING DIVISION

Winnipeg

FORT GARRY TWIN BRIDGES
 WESTBOUND STRUCTURE REHABILITATION AND ASSOCIATED ROADWORKS
 GIRDER BOTTOM FLANGE STRENGTHENING PLANS AND SECTION

CITY DRAWING NUMBER B173-07-021W
 SHEET 21 OF 54

CONSULTANT DRAWING NO. 0600070700-DWG-S1121-00

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