

KEY PLAN

SCALE 1:300
 0 3000 6000 9000 mm
 SIDEWALK BRACKET TYPES

TYPE OF STEEL SIDEWALK BRACKET	QUANTITY
"SW0"	8
"SW1"	40
"SW1A"	4
"SW2"	4
"SW3"	4
"SW4"	4
"SW5"	4
"SW6"	4

GENERAL NOTES

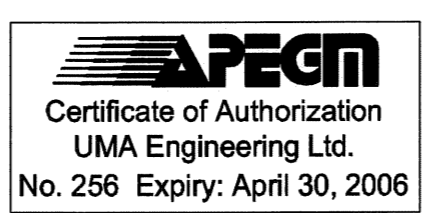
- ALL STEEL SHALL CONFORM TO CSA-G40.21 1998, GRADE 350 W AND SHALL BE GALVANIZED TO CSA G164-M92 "HOT DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES" AFTER FABRICATION.
- BOLTS SHALL BE M20 A325, TYPE 1 AND SHALL BE GALVANIZED. BOLT THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANES OF ANY SURFACES.
- ALL WELDING SHALL BE IN ACCORDANCE WITH CSA W59-M1989 "WELDED STEEL CONSTRUCTION".
- FABRICATORS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA W47.1-92 "CERTIFICATION OF COMPANIES FOR FUSION OF STEEL STRUCTURES".
- UNLESS OTHERWISE NOTED, THE MINIMUM FILLET WELDS SHALL BE:
 6mm FOR PLATE <= 20mm THICK
 8mm FOR PLATE > 20mm THICK
- THE CONTACT SURFACES OF BOLTED PARTS SHALL BE HOT DIP GALVANIZED OR ZINC METALLIZED AND THEN HAND WIRE BRUSHED.

ERECTOR'S NOTES

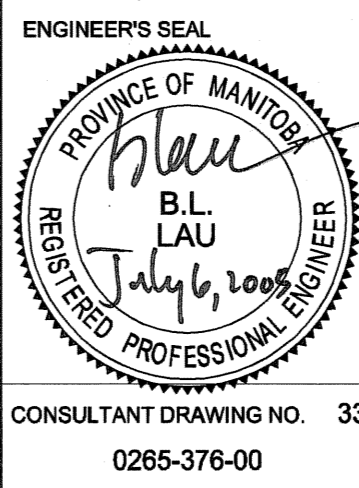
- WHERE EXISTING RIVETS ARE TO BE REMOVED, THEY SHALL BE REMOVED BY MECHANICAL MEANS ONLY. NO HEAT SHALL BE APPLIED TO THE RIVETS UNLESS APPROVED BY THE ENGINEER.
- REMOVE EXISTING STEEL SIDEWALK BRACKETS AS WELL AS TOP & BOTTOM PLATES FROM THE EXISTING FLOOR BEAMS AS NOTED.
- REAM EXISTING 21mm(13/16") Ø HOLES TO 22mm(7/8") Ø HOLES.
- INSTALL PROPOSED STEEL SIDEWALK BRACKETS AS WELL AS TOP & BOTTOM PLATES TO THE EXISTING FLOOR BEAMS AS NOTED WITH M20 A325 BOLTS.

NOTE:
 ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE INFORMATION AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION OR PRIOR TO PREPARATION OF SHOP DRAWINGS. THE CONTRACTOR SHALL MAKE THE APPROPRIATE ADJUSTMENTS TO THE APPLICABLE DETAILS AND DIMENSIONS ACCEPTABLE TO THE CONTRACT ADMINISTRATOR. THE CONTRACTOR SHALL THEN FABRICATE AND CONSTRUCT THE WORKS IN ACCORDANCE WITH THE CORRECTED DIMENSIONS.

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES



<p>UMA Engineering Ltd. * Consulting * Engineering * Construction * Management Services</p>			
DESIGNED BY	BLL	CHECKED BY	SBB
DRAWN BY	JJA	APPROVED BY	<i>Buss</i>
HOR. SCALE	AS SHOWN	ACCEPTED BY	<i>[Signature]</i>
VERT. SCALE	AS SHOWN	DATE	23 07 07
NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	05/07/05	MP



Bid Opportunity No. 257-2005

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

REDWOOD BRIDGE
REHABILITATIVE MAINTENANCE AND
RELATED WORKS
STEEL SIDEWALK BRACKET REPLACEMENT
KEY PLAN

CITY DRAWING NUMBER	B113-05-33
SHEET	33 OF 74
REV	0
33	0