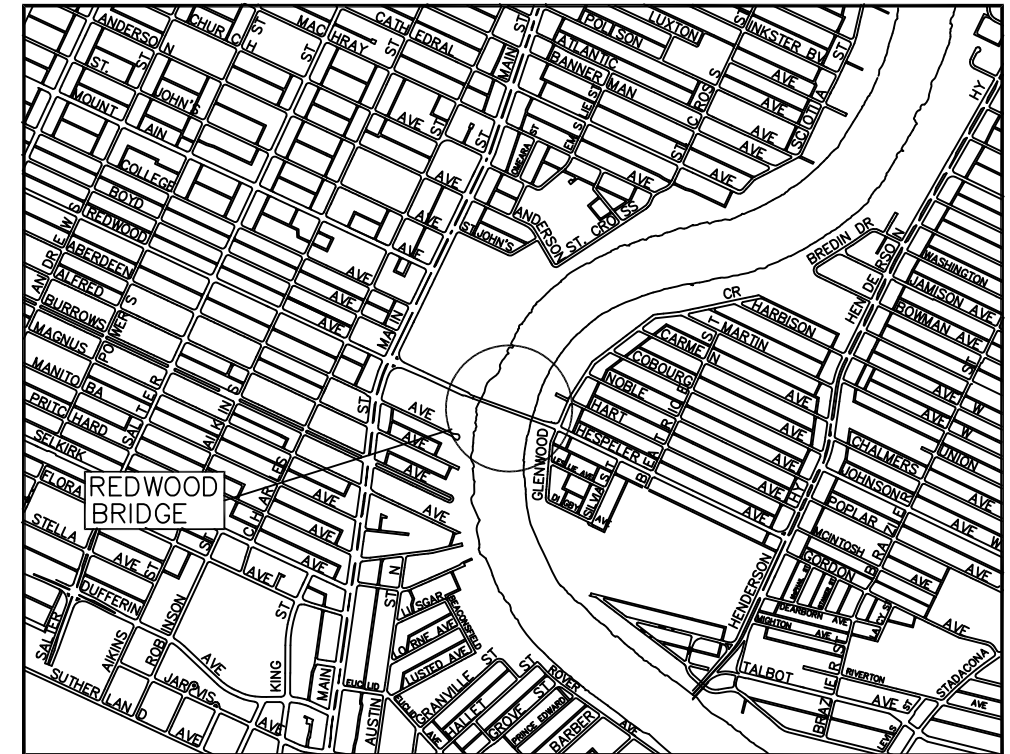




THE CITY OF WINNIPEG

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

REDWOOD BRIDGE 2012 STRUCTURAL STEEL REPAIRS



LOCATION PLAN

BIDDING DRAWINGS

BID OPPORTUNITY NO. 724-2012

DRAWING LIST:

C.O.W. NO.	
B113-12-01	DESIGN DATA AND DRAWING LIST
B113-12-02	GENERAL ARRANGEMENT
B113-12-03	CROSS-SECTIONS & DETAILS

DESIGN DATA:

NEW STRUCTURAL STEEL	CSA G40.21-M92, GRADE 350W ALL NEW STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH THE LATEST CSA STANDARD CAN/CSA G164-M92 TO A NET RETENTION OF 610 gm/m ² .
BOLTS, NUTS & WASHERS	HIGH STRENGTH BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION A325, TYPE 1, AND SHALL BE GALVANIZED. BOLT THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANES OF ANY SURFACES. NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION A563, GRADE DH. WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION F436, TYPE 1. ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANIZED.