



# THE CITY OF WINNIPEG

PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

## ELM PARK PEDESTRIAN BRIDGE SUPERSTRUCTURE REHABILITATION AND SOUTH ABUTMENT RELOCATION

BID OPPORTUNITY No. 632-2011

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### DESIGN DATA:

DESIGN SPECIFICATIONS

CAN/CSA-S6-06 CANADIAN HIGHWAY BRIDGE DESIGN CODE.

CONCRETE

ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH CSA A23.1. MINIMUM COMPRESSIVE STRENGTH @ 28 DAYS - 35 MPA

REINFORCING STEEL

CSA G30.18-M92, GRADE 400W

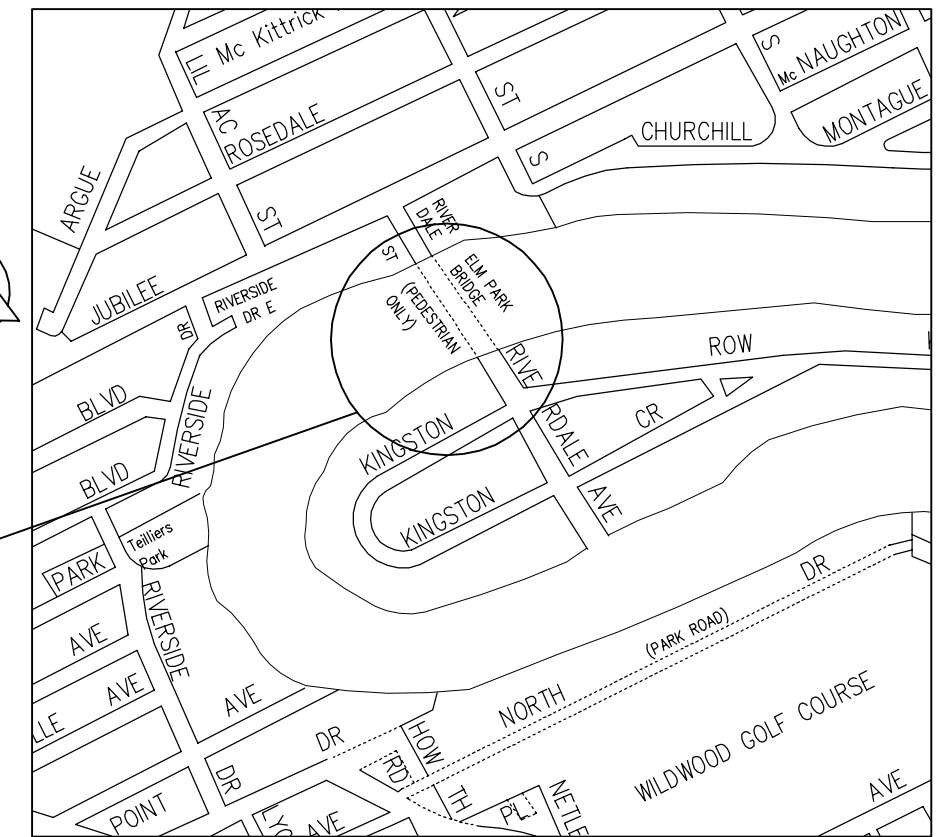
CLEAR COVER TO  
REINFORCING STEEL

60mm UNLESS OTHERWISE NOTED

### GENERAL NOTES:

- DESIGN SPECIFICATIONS IN ACCORDANCE WITH CANADIAN HIGHWAY BRIDGE DESIGN CODE CAN/CSA-S6-06.
- ALL NEW STRUCTURAL STEEL SHALL CONFORM TO CSA-G40.21-04, GRADE 350W AND SHALL BE GALVANIZED TO CSA G164-M92 "HOT DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES" AFTER FABRICATION.
- TOUCH UP ANY DAMAGED GALVANIZING OR METALIZING WITH ZINGA, ZINC METALIZING OR ACCEPTED EQUAL.
- PERMANENT BOLTS SHALL BE A325 TYPE 1 AND SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. BOLT THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANES OF ANY SURFACES.
- ALL EXPOSED CONCRETE CORNERS SHALL HAVE A 20MM CHAMFER OR FILLET UNLESS OTHERWISE NOTED.
- ALL WELDING SHALL BE IN ACCORDANCE WITH CSA W59-03 "WELDED STEEL CONSTRUCTION". FABRICATORS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA W47.1-03 "CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES".
- THE CONTACT SURFACES OF BOLTED PARTS SHALL BE HOT DIP GALVANIZED OR ZINC METALIZED AND THEN HAND WIRE BRUSHED.
- OBTAIN CONTRACT ADMINISTRATOR'S APPROVAL PRIOR TO MAKING ANY MEMBER SUBSTITUTIONS OR CONNECTION DETAIL CHANGES.
- 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 CONTRACT ADMINISTRATOR
- ACCESS AND LAY DOWN AREA TO BE APPROVED BY CONTACT ADMINISTRATOR
- ALL DIMENSIONS SHOWN ON THESE DRAWINGS ARE BASED ON AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DETAILS AND DIMENSIONS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE CONTRACTOR ADMINISTRATOR PRIOR TO COMMENCING WORK

BRIDGE SITE  
LOCATION



LOCATION PLAN

RELEASED FOR CONSTRUCTION BY:

B. A. NEIRINCK, P.Eng. DATE  
BRIDGE PLANNING AND OPERATIONS ENGINEER



AECOM PROJECT NUMBER 60216082  
CITY DRAWING NUMBER B131-11-05  
ISSUED FOR TENDER