



PLAN  
1: 500

PROPOSED WORKS	REFERENCE DRAWING NUMBER
1 SAWCUT & REMOVE PARTIAL SECTION OF EXIST. SIDEWALK, TRAFFIC CONTROL AND DETOURS	B108-05-03, 04, 05, 06, 07
2 DEMOLISH AND REMOVE EXISTING PRECAST BRIDGE RAIL AND EXISTING REINFORCED CONCRETE BRIDGE SIDEWALK	B108-05-09, 11, 13
3 REMOVE AND REPLACE EXISTING HYDRO SIGNALS AND LIGHTING DUCTS INCLUDING UNDERGROUND TO MANHOLES	B108-05-08, 13
4 REMOVE EXISTING LAMP STANDARDS (BY OTHERS)	B108-05-09
5 PLANE ASPHALT MEMBRANE AND UPPER CONCRETE BRIDGE DECK	B108-05-11, 13-15
6 REMOVE (BY HYDRODEMOLITION) EXISTING CONCRETE BRIDGE DECK INCLUDING EXISTING TOP MAT OF REINFORCING STEEL	B108-05-11, 13-15
7 EXISTING BRIDGE DECK DRAINS TO REMAIN	B108-05-09
8 REMOVE AND REPLACE EXISTING CONCRETE MEDIAN TRAFFIC BARRIER AND REINSTALL EXISTING ALUMINUM TRAFFIC BARRIER RAIL	B108-05-09, 11, 13, 22
9 REMOVE, AND REPLACE EXISTING DECK EXPANSION JOINTS	B108-05-14, 15, 16
10 REMOVE AND CONSTRUCT NEW SIDEWALK APPROACH SLAB	B108-05-17, 18, 19
11 REMOVE EXISTING NAVIGATION LIGHTS AND INSTALL NEW NAVIGATION LIGHTS	B108-05-09, 25
12 CONSTRUCT NEW CONCRETE BRIDGE SIDEWALK	B108-05-10, 12, 13
13 CONSTRUCT NEW LAMP STANDARD BASE (LAMP STANDARDS BY OTHERS)	B108-05-12
14 CONSTRUCT NEW REINFORCED CONCRETE BRIDGE DECK	B108-05-12, 13
15 CONSTRUCT NEW CONCRETE SHOULDER TRAFFIC BARRIER AND INSTALL NEW ALUMINUM TRAFFIC RAIL	B108-05-23, 27
16 INSTALL NEW ALUMINUM PEDESTRIAN HANDRAIL	B108-05-20, 21, 28
17 INSTALL NEW ALUMINUM BALANCED BARRIER	B108-05-24, 30
18 ASPHALT RESURFACING AND RELATED WORKS	B108-05-31
19 PRECAST CONCRETE GIRDERS CORROSION PROTECTION WORKS	B108-05-26
20 LANDSCAPE RESTORATION	B108-05-31
21 MODIFY CONCRETE MEDIAN @ ST. JAMES BRIDGE	B102-05-01

**DESIGN DATA**

- DESIGN SPECIFICATIONS - AASHTO 1996 (16TH ADDITION) AND INTERIMS
- LIVE LOADING - DECK: AASHTO MSS 22.5 (HSS 25) TRUCK AND MS 22.5 (HS 25) LANE LOADING
- GIRDERS: AASHTO MS 18.0 (HS 20) TRUCK AND LANE LOADING
- CONCRETE -  $f_c = 35 \text{ MPa}$  MINIMUM
- REINFORCING STEEL - MICROCOMPOSITE REINFORCING STEEL (MMFX-2) TO ASTM A615 & AASHTO M31, GRADE 75 (520 MPa)
- CLEAR COVER TO REINFORCING STEEL
- DECK - TOP 70mm  $\pm 5$
- SIDEWALK - TOP 70mm  $\pm 5$
- CONCRETE BARRIER - FRONT FACE 70mm  $\pm 5$
- ALL OTHER SURFACES - 50mm  $\pm 5$

ACADEMY ROAD

TO ST. JAMES BRIDGE

WELLINGTON CRES. EAST

WELLINGTON CRES. WEST

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

**Winnipeg**

**MARYLAND TWIN BRIDGES REHABILITATION PROJECT**  
WEST BRIDGE REHABILITATION

CITY DRAWING NUMBER  
B108-05-02  
SHEET 02 OF 33

GENERAL ARRANGEMENT AND LOCATION OF PROPOSED WORKS

CONSULTANT PROJECT NO.  
04-3021-2000

B.M. ELEV.	DESIGNED BY RAW
	DRAWN BY NBG / KC
	CHECKED BY RAW
	APPROVED BY
2 ISSUED FOR TENDER 01/31/05 NBG	HOR. SCALE AS NOTED
1 ISSUED FOR CITY REVIEW 12/17/04 RAW	VERTICAL
NO. REVISIONS	DATE DEC. 2004

