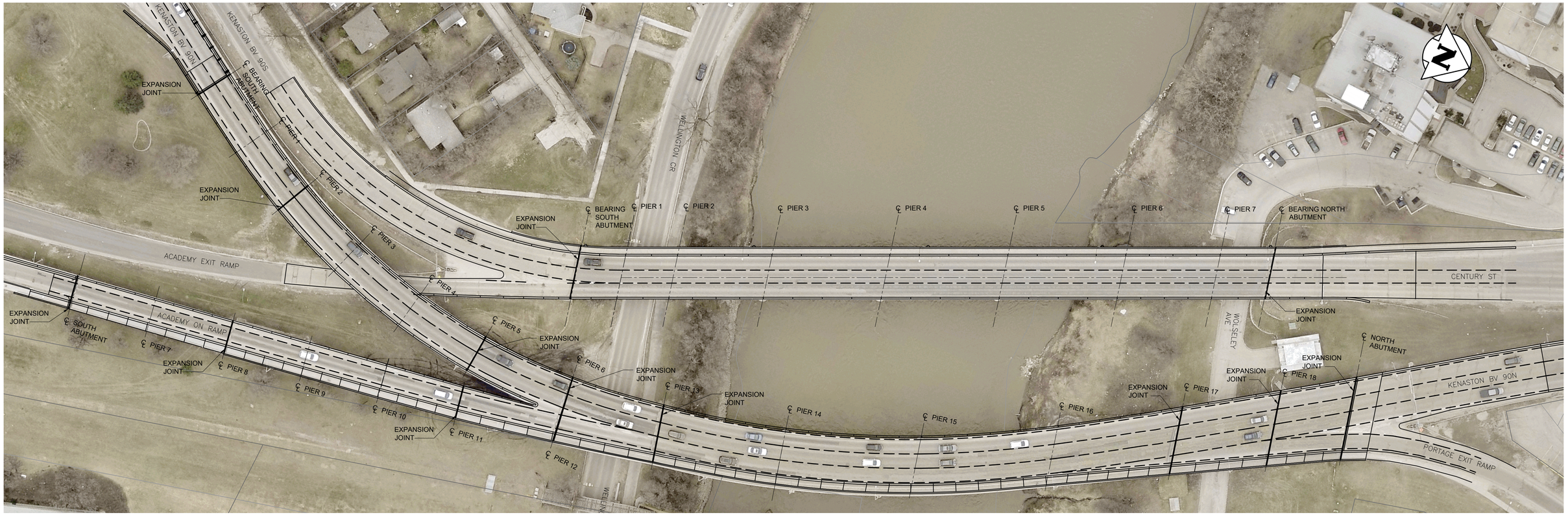

1 - - SITE PLAN
1 : 500

DRAWING LIST

CITY OF WPG. DRAWING NUMBER	TETRA TECH DRAWING NUMBER	DRAWING DESCRIPTION
B101-22-001/B102-22-001	2200070500-DWG-S1101	COVER SHEET
B101-22-002/B102-22-002	2200070500-DWG-S1102	SITE PLAN, DESIGN DATA AND DRAWING LIST
B101-22-003	2200070500-DWG-S2103	SOUTHBOUND BRIDGE PARTIAL PLAN - SOUTH APPROACH
B101-22-004	2200070500-DWG-S2104	SOUTHBOUND BRIDGE PARTIAL PLAN - CONTINUED
B101-22-005	2200070500-DWG-S2105	SOUTHBOUND BRIDGE PARTIAL PLAN - CONTINUED
B101-22-006	2200070500-DWG-S2106	SOUTHBOUND BRIDGE PARTIAL PLAN - CONTINUED NORTH APPROACH
B101-22-007	2200070500-DWG-S2107	WEST BARRIER FRONT ELEVATION
B101-22-008	2200070500-DWG-S2108	EAST BARRIER FRONT ELEVATION
B101-22-009	2200070500-DWG-S2109	TYPICAL BARRIER AND DECK REPAIR DETAILS
B101-22-010	2200070500-DWG-S2110	SOUTH EXPANSION JOINT REPAIR DETAILS
B101-22-011	2200070500-DWG-S2111	SIDEWALK CURB AND SOUTH ABUTMENT REPAIR DETAILS
B102-22-003	2200070500-DWG-S1103	NORTHBOUND BRIDGE PARTIAL PLAN - KENASTON RAMP
B102-22-004	2200070500-DWG-S1104	NORTHBOUND BRIDGE PARTIAL PLAN - ACADEMY RAMP
B102-22-005	2200070500-DWG-S1105	NORTHBOUND BRIDGE PARTIAL PLAN - PIERS 5, 6, 11, 12 AND 13
B102-22-006	2200070500-DWG-S1106	NORTHBOUND BRIDGE PARTIAL PLAN - PIERS 13 TO 15
B102-22-007	2200070500-DWG-S1107	NORTHBOUND BRIDGE PARTIAL PLAN - PIERS 15 TO 17
B102-22-008	2200070500-DWG-S1108	NORTHBOUND BRIDGE PARTIAL PLAN - NORTH APPROACH
B102-22-009	2200070500-DWG-S1109	KENASTON WEST BARRIER FRONT ELEVATION
B102-22-010	2200070500-DWG-S1110	KENASTON EAST BARRIER FRONT ELEVATION
B102-22-011	2200070500-DWG-S1111	ACADEMY WEST BARRIER FRONT ELEVATION
B102-22-012	2200070500-DWG-S1112	ACADEMY EAST BARRIER FRONT ELEVATION
B102-22-013	2200070500-DWG-S1113	NORTHBOUND EAST BARRIER FRONT ELEVATION
B102-22-014	2200070500-DWG-S1114	NORTHBOUND WEST BARRIER FRONT ELEVATION
B102-22-015	2200070500-DWG-S1115	TYPICAL BARRIER, SIDEWALK CURB AND DECK REPAIR DETAILS
B102-22-016	2200070500-DWG-S1116	KENASTON RAMP SOUTH ABUTMENT, PIERS 2, 5, 6/12 EXPANSION JOINT REPAIR DETAILS
B102-22-017	2200070500-DWG-S1117	ACADEMY RAMP SOUTH ABUTMENT, PIERS 8, 11 EXPANSION JOINT REPAIR DETAILS
B102-22-018	2200070500-DWG-S1118	PIERS 13, 17, 18 EXPANSION JOINT REPAIR DETAILS
B102-22-019	2200070500-DWG-S1119	NORTH ABUTMENT AND TYPICAL EXPANSION JOINT REPAIR DETAILS
B102-22-020	2200070500-DWG-S1120	NORTHBOUND BRIDGE NORTH APPROACH - ROADWORKS REPAIR DETAILS

DESIGN DATA

GENERAL:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS.
2. THE GEOMETRY, LAYOUT, AND ANY DETAILS DEPICTING THE EXISTING STRUCTURE ARE BASED ON EXISTING DRAWINGS AND LIMITED FIELD SURVEY DATA. THE CONTRACTOR SHALL REFER TO 1987 RECORD DRAWINGS FOR ADDITIONAL NORTHBOUND STRUCTURE INFORMATION AND 1982 RECORD DRAWINGS FOR ADDITIONAL SOUTHBOUND STRUCTURE INFORMATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL NECESSARY DIMENSIONS SUCH THAT THE WORK CAN BE CONSTRUCTED AS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
3. THE SCALES SHOWN ON THESE DRAWINGS ARE CORRECT FOR A1 SIZED DRAWINGS SHEETS. DO NOT DETERMINE DIMENSIONS BY SCALING OFF DRAWINGS.

DESIGN CODES:

STRUCTURAL:

- CAN/CSA-S6-19 CANADIAN HIGHWAY BRIDGE DESIGN CODE (CHBDC)

TRANSPORTATION:

- CITY OF WINNIPEG TRANSPORTATION STANDARDS (2012 UPDATE)
- TAC GEOMETRIC DESIGN GUIDE FOR CANADIAN ROADS, 2017

MATERIAL NOTES:

- CONCRETE SHALL CONFORM TO THE LATEST EDITION OF CAN/CSA 23.1 AND SHALL MEET THE FOLLOWING:

CONCRETE TYPE	EXPOSURE CLASS	NOMINAL COMPRESSIVE STRENGTH	MAXIMUM AGGREGATE SIZE	AIR CONTENT CATEGORY	SPECIAL REQUIREMENTS
C1	C-1	35 MPa @ 28 DAYS	10mm	1	-

- TYPE C1: ALL CONCRETE ELEMENTS (CONCRETE TOPPING FOR STRUCTURAL APPROACH SLABS, BRIDGE DECK, DELAMINATIONS, BARRIER REPAIRS, ROADWAY SLAB RENEWALS).
- ALL EXPOSED EDGES OF CONCRETE TO BE CHAMFERED 20mm U.N.O.

REINFORCING STEEL:

REINFORCING STEEL DESIGN STANDARDS SHALL BE AS FOLLOWS:

- ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF CSA G30.18, GRADE 400W.

MINIMUM LAP LENGTHS SHALL BE AS FOLLOWS:

BLACK REINFORCING			
BARS	10	15	20
STANDARD BAR LAPS (mm)	600	800	1200

- CONCRETE COVER SHALL BE 75mm U.N.O.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Tetra Tech Canada Inc.
No. 6499

B.M. ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	23.03.07	E.F.S.

TETRA TECH

DESIGNED BY R.L. | CHECKED BY E.F.S.
DRAWN BY E.V. | APPROVED BY E.F.S
HOR. SCALE: / VERTICAL: AS NOTED
ACCEPTED BY ORIGINAL SIGNED | DATE 23.03.07
V. BANTHIA, M. SC, P.ENG., CIM, PMP
BRIDGE PROJECTS ENGINEER
DATE 22.12.06

ORIGINAL DRAWING REVISION "00" SEALED BY E.F.G. SHEHATA 23.03.07

CONSULTANT DRAWING NO. 734-2200070500-DWG-S1102

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

MINOR REHABILITATION OF ST JAMES BRIDGES
SOUTHBOUND AND NORTHBOUND BRIDGES

CITY DRAWING NUMBER B101-22-002/B102-22-002
SHEET 2 OF

SITE PLAN, DESIGN DATA AND DRAWING LIST

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