



- NOTE:**
- + - INDICATES STRAND LOCATION
 - INDICATES DEBONDED STRAND LOCATION, FOR DEBONDED LENGTH SEE TYPICAL GIRDER ELEVATION
 - 1. LATERAL POST TENSION WITH 3-15Ø PRESTRESSING STRANDS. EACH STRAND STRESSED TO 0.7 fpu. FORCE PER STRAND 132KN. PRESSURE GROUT AFTER LATERAL POST TENSIONING IS COMPLETE.
 - 2. CONCRETE FOR BOX GIRDER SHALL BE PLACED MONOLITHICALLY

V:\1137\cadd\11370304 - Kenaston UP DESIGN\A00\CONTRACT - Bridge\Bridg Plan_S&V\KU-16-664.dwg 2005-10-26 02:12PM By: jrements

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM

Certificate of Authorization

Stantec Consulting Ltd.

No. 1301 Expiry: April 30, 2006

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE	DATE

NOTE:

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

ISSUED FOR TENDER	05.10.26	MJB
NO. REVISIONS	DATE	BY

B.M. ELEV.	

Stantec Consulting Ltd.

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DESIGNED BY	MJB	CHECKED BY	PD
DRAWN BY	JMB/JGF	APPROVED BY	MJB
HOR. SCALE:	AS SHOWN	AUTHORIZED BY:	DATE
VERTICAL:	AS SHOWN	R. FINGAS	05.10.26
		R. FINGAS, P. ENG.	
		BRIDGE PROJECTS ENGINEER	

ENGINEER'S SEAL

ORIGINAL SEALED BY
M.J. BOISSONNEAULT
P. ENG.
05.10.26

CONSULTANT DRAWING NO.
I13703042-S14

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
Winnipeg **ENGINEERING DIVISION**

KENASTON UNDERPASS
KENASTON BLVD. / CN RIVERS SUB. MILE 5.18
RAILWAY BRIDGE CONSTRUCTION

SHEET **16** OF **21**

CAD FILE DRAWING NUMBER
KU-15-664.dwg

CITY DRAWING NUMBER
P-3258-140

PRECAST PRESTRESSED CONCRETE BOX GIRDER CONCRETE & STRESSING DETAILS