



BILL OF STEEL H-PILES					
No.	PILE TYPE	DESCRIPTION	LOCATION	LENGTH (m)	TOTAL (m)
5	HP250x85	ABUTMENT	SU.1	18.0	90.0
5	HP250x85	ABUTMENT	SU.2	18.0	90.0
				TOTAL LENGTH (m)	180.0

APEGN
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Expiry: April 30, 2008

LOCATION APPROVED UNDERGROUND STRUCTURES			B.M. ELEV.
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. CONTRIBUTION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

Stantec Consulting Ltd.		ENGINEER'S SEAL	
905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012		ORIGINAL SEALED BY K.S. AMY P. ENG. 07.12.03	
DESIGNED BY: K.S.A.	CHECKED BY: B.J.W.	CONSULTANT DRAWING NO. SB703-682	
DRAWN BY: J.M.B.	APPROVED BY: K.S.A.		
AUTHORIZED BY: DATE BILL EBENSPANGER DEC. 6, 2007 B. EBENSPANGER, P. ENG. BRIDGE PROJECTS ENGINEER		GENERAL ARRANGEMENT & FOUNDATION LAYOUT	
HOR. SCALE: AS SHOWN VERTICAL: AS SHOWN DATE: OCT. 20, 2007		CITY DRAWING NUMBER B176-08-04	

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION ENGINEERING DIVISION

ACCESS BRIDGE
TO 330 AND 334 BONNER AVENUE

SHEET **4** OF **9**
CAD FILE DRAWING NUMBER
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