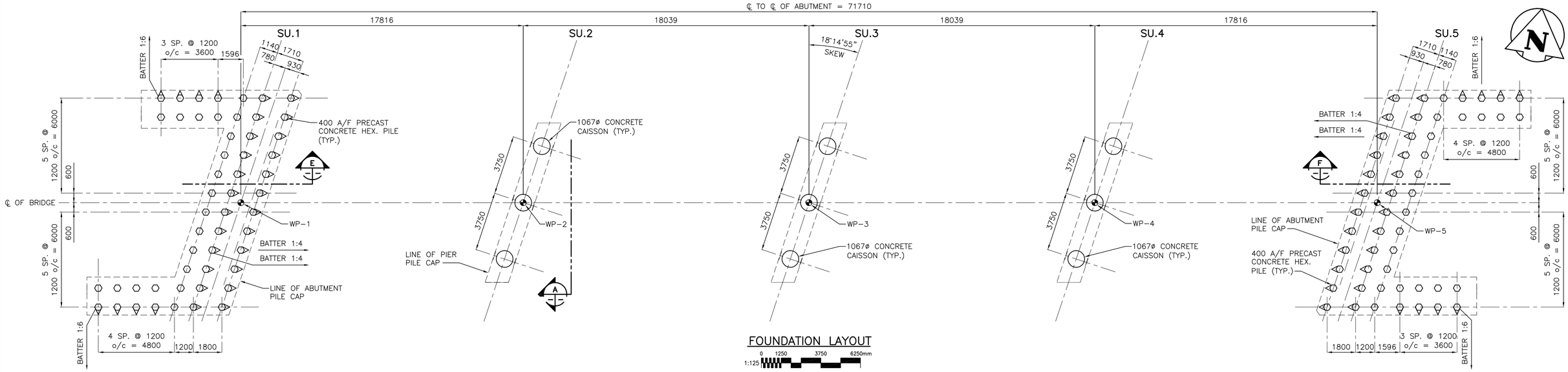
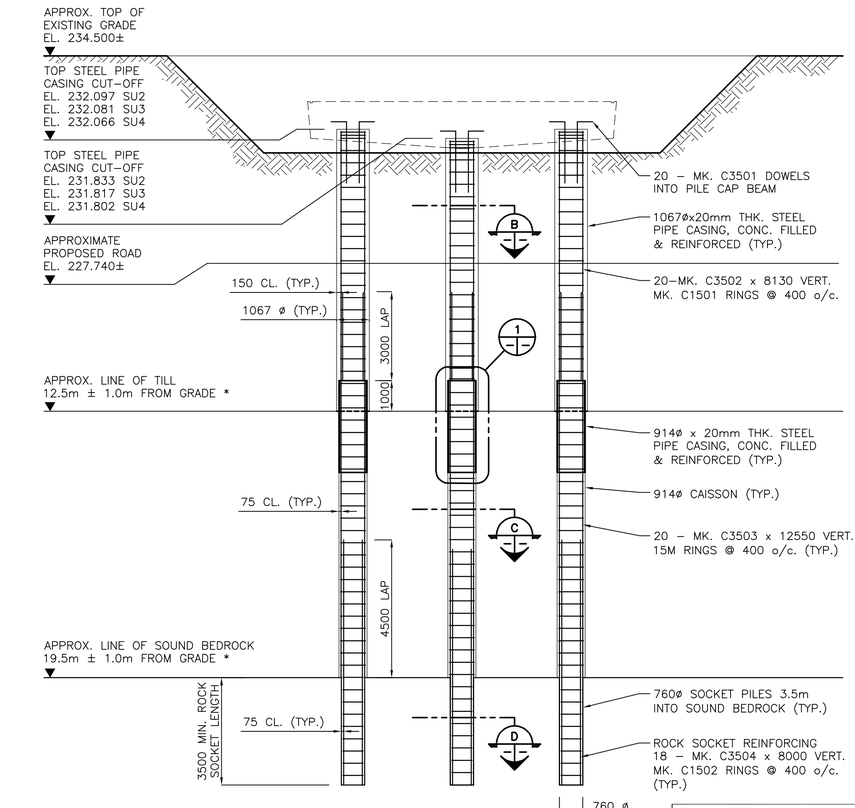
KU-08-664



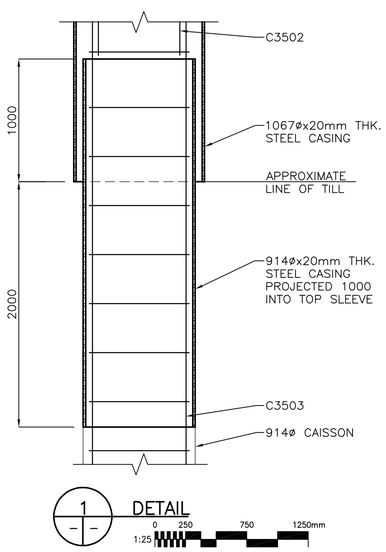
FOUNDATION LAYOUT

0 1250 3750 6250mm
1:125



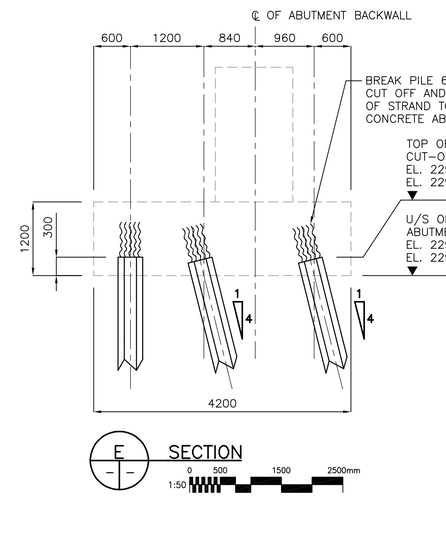
A SECTION

0 1000 3000 5000mm
1:100



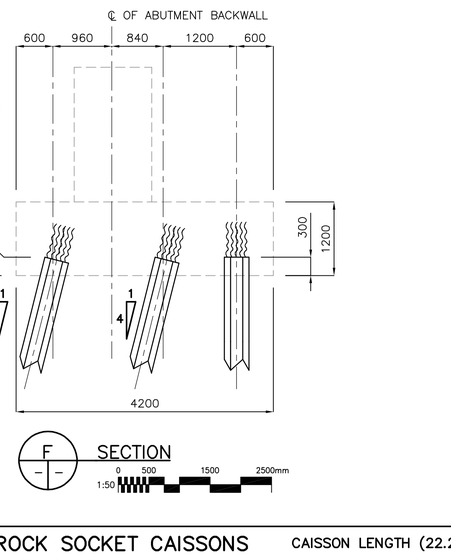
1 DETAIL

0 250 750 1250mm
1:25



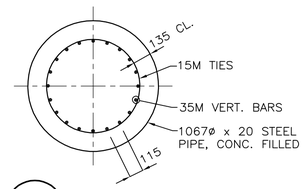
E SECTION

0 500 1500 2500mm
1:50



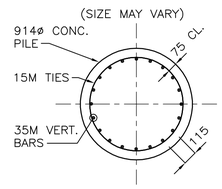
F SECTION

0 500 1500 2500mm
1:50



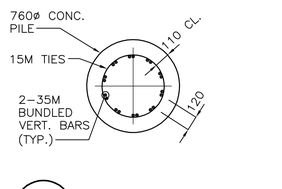
B SECTION

0 250 750 1250mm
1:25



C SECTION

0 250 750 1250mm
1:25



D SECTION

0 250 750 1250mm
1:25

BILL OF ROCK SOCKET CAISSONS

CAISSON LENGTH (22.2m)

No.	PILE TYPE	DESCRIPTION	LOCATION	LENGTH (m)	TOTAL (m)
9	1067ø x 20 THK. STEEL CASING	CAISSON	SU.2 – SU.4	9.2	82.8
9	914ø CONC. FILLED CAISSON	CAISSON	SU.2 – SU.4	8.5	76.5
9	914ø x 20 THK. STEEL CASING	CAISSON	SU.2 – SU.4	3.0	27.0
9	760ø CONC. FILLED ROCK SOCKET	CAISSON	SU.2 – SU.4	3.5	31.5

BILL OF PRECAST CONCRETE PILES

No.	PILE TYPE	DESCRIPTION	LOCATION	LENGTH (m)	TOTAL (m)
36	400 A/F CONC. HEX. PILES	ABUTMENT	SU.1	15	540
8	400 A/F CONC. HEX. PILES	WINGWALL	SU.1	15	120
36	400 A/F CONC. HEX. PILES	ABUTMENT	SU.5	15	540
8	400 A/F CONC. HEX. PILES	WINGWALL	SU.5	15	120
			TOTAL LENGTH (m)		1320

METRIC

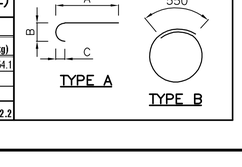
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Expiry: April 30, 2006

* AVERAGE DISTANCES FROM TEST CASSION AND TEST HOLES TH–05–01 TO TH–05–04

BILL OF REINFORCING STEEL PER CAISSON (9 TOTAL)

STRAIGHT BARS				RING BARS					BENT BARS							
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	TYPE	DIAMETER (mm)	MASS (kg)	MARK	QTY.	TYPE	A	B	C	LENGTH (mm)	MASS (kg)
C3502	20	8130	1276.4	C1501	46	B	765	173.6	C3501	20	A	2000	250	125	2255	354.1
C3503	20	12550	1970.4	C1502	20	B	525	51.8								
C3504	20	8000	1256.0													
TOTAL MASS OF REINFORCING STEEL (kg.) = 5082.2																



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.

NO.	REVISIONS	DATE	BY
	B.M. ELEV.		
0	ISSUED FOR TENDER	05.10.26	MJB

Stantec Consulting Ltd.
905 Waverley Street, Winnipeg, Manitoba
Tel 204–489–5900 Fax 204–453–9012

DESIGNED BY	KSA/MJB	CHECKED BY	GWM
DRAWN BY	JMB/JGF	APPROVED BY	MJB
HOR. SCALE:	AS SHOWN	AUTHORIZED BY:	DATE
VERTICAL:	AS SHOWN	R. FINGAS	05.10.26
DATE	05.07.04	R. FINGAS, P. ENG. BRIDGE PROJECTS ENGINEER	

ENGINEER'S SEAL
ORIGINAL SEALED BY M.J. BOISSONNEAULT P. ENG. 05.10.26

CONSULTANT DRAWING NO.
113703042-S06

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

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

FOUNDATION LAYOUT & PILE DETAILS

SHEET 8 OF 21
CAD FILE DRAWING NUMBER KU–08–664.dwg
CITY DRAWING NUMBER P–3258–132

CN Drawing No. AA6II-5.I8-I.08

V:\1137\active\113703042 – Kenaston UP DESIGN\CAD\CONTRACT 4– Bridge\Bridge Plan Set\KU–08–664.dwg
2005–10–26 02:08PM By: jbennerts