

CIRCULAR CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C50	165.000	29.686	14.883	10°18'30"
C51	408.560	241.855	124.587	33°55'02"
C52	165.000	7.629	3.815	2°38'57"
C53	416.860	40.000	20.015	5°29'52"
C54	428.860	255.400	131.613	34°07'18"
C55	437.160	260.949	134.492	34°12'03"

SPIRAL CURVE TABLE				
SPIRAL	LENGTH	THETA	S TAN	L TAN
S14	60.797	4°15'47"	20.276	40.543
S15	61.412	4°13'13"	20.481	40.953
S16	62.289	4°09'39"	20.773	41.537
S17	62.889	4°07'16"	20.973	41.937

STERLING LYON PARKWAY EAST NORTH CONTROL LINE			
CS=3+834.725	N 10456.6552	E 11304.8627	
ST=3+896.1360	N 10497.9204	E 11350.3241	

STERLING LYON PARKWAY EAST SOUTH CONTROL LINE			
CS=3+844.156	N 10447.6674	E 11312.8259	
ST=3+906.445	N 10489.5385	E 11358.9227	

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

NOTE:
ALL STATIONS NORTH OF R.O.W. CENTRELINE, BASED ON NORTH CONTROL LINE.
ALL STATIONS SOUTH OF R.O.W. CENTRELINE, BASED ON SOUTH CONTROL LINE.

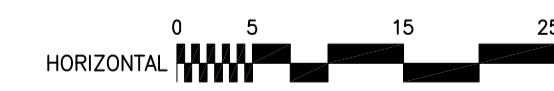


Certificate of Authorization

Stantec Consulting Ltd.

No. 1301 Expiry: April 30, 2005

BENCH MARK: BOLT IN 12.5m CONC. PILE, 2.4m N. OF S.L. OF WILKES AVE. (FENCE LINE), & 7m E. OF E. FACE OF 2nd TOWER W. OF THE MOST ELY. SET OF TRACKS OF C.P.R. LA RIVIERE SUDB.



EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	
	GAS		MANHOLE		CONCRETE PAVEMENT		LOCATION APPROVED		B.M. 66-001 ELEV. 233.425m
	MTS		CATCH BASIN/CATCH PIT		ASPHALT PAVEMENT		UNDERGROUND STRUCTURES		Stantec Consulting Ltd. 905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012
	HYDRO		C & G INLET WITH BOX		CONC. SIDEWALK/MED. SLAB		SUPV. U/G STRUCTURES		ENGINEER'S SEAL
	VIDEON		TREE		PAVING STONE		DATE		ORIGINAL SEALED BY G.W. MOURANT P. ENG. 05.03.24
	TRAFFIC SIGNALS		TEST HOLE		TOPSOIL & SOD		PROPERTY LINE		THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION
	LAND DRAINAGE SEWER		SURVEY BAR		GRAVEL		GEODETIC MONUMENT		KENASTON UNDERPASS
	SANITARY/COMBINED SEWER		FENCE		RAMP CURB		BACK OF CURB		STERLING LYON PARKWAY (EAST)
	CATCHBASIN LEAD		REMOVAL		ELEVATION		LEGEND - PLAN		SHEET 9 OF 60
	WATERMAIN		LEGEND - PLAN		LEGEND - PLAN		LEGEND - PLAN		CAD FILE DRAWING NUMBER sipe-geom.dwg
	SUBDRAIN		LEGEND - PLAN		LEGEND - PLAN		LEGEND - PLAN		CITY DRAWING NUMBER P-3258-09
	DITCH		LEGEND - PLAN		LEGEND - PLAN		LEGEND - PLAN		CONSULTANT DRAWING NO. H3703042-H07
	DITCH		LEGEND - PLAN		LEGEND - PLAN		LEGEND - PLAN		HORIZONTAL GEOMETRY STA 3+625 TO STA 3+975

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
1	ISSUED FOR TENDER	05.03.29	GWM
0	ISSUED FOR CLIENT REVIEW	05.02.28	TAS

DESIGNED BY	TAS	CHECKED BY	TAS, WKB
DRAWN BY	TAG	APPROVED BY	GWM
HOR. SCALE:	AS SHOWN	AUTHORIZED BY:	DATE
VERTICAL:	N/A	R. FINGAS, P. ENG.	05.03.24
DATE	04.02.05	R. FINGAS, P. ENG.	BRIDGE PROJECTS ENGINEER

CONSULTANT DRAWING NO.
H3703042-H07

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

KENASTON UNDERPASS
STERLING LYON PARKWAY (EAST)

HORIZONTAL GEOMETRY
STA 3+625 TO STA 3+975