

A1 SIZE 23.4" x 33.1" (594mm x 841mm)

PEMBINA HIGHWAY RAMP CONTROL LINE CIRCULAR CURVE DATA

CURVE No.	501	502	503
R	143.875	36.875	116.625
Δ	14° 05' 21"	130° 29' 57"	33° 45' 55"
T	17.779	79.986	35.395
E	1.094	51.202	5.252
L	35.379	83.988	68.729

JUBILEE AVENUE RAMP CONTROL LINE CIRCULAR CURVE DATA

CURVE No.	600	601	602
R	58.000	53.000	123.000
Δ	48° 05' 21"	25° 42' 08"	38° 40' 23"
T	25.877	12.091	43.162
E	5.510	1.361	7.353
L	48.680	23.775	83.022

PEMBINA HIGHWAY RAMP CONTROL LINE SPIRAL CURVE DATA

SPIRAL No.	501S502	502S503
Ls	32.076	31.711
Os	31° 18' 23"	32° 25' 33"
Lt	19.599	19.028
St	13.242	13.510
Ts	246.642	46.571

JUBILEE AVENUE RAMP CONTROL LINE SPIRAL CURVE DATA

SPIRAL No.	S601	601S602
Ls	20.002	20.130
Os	10° 48' 42"	15° 34' 09"
Lt	13.360	11.461
St	6.690	8.789
Ts	27.049	50.851

PEMBINA HIGHWAY RAMP SPIRAL CURVE DATA

SPIRAL No.	102S103	103S104	200S201
Ls	30.399	29.791	33.601
Os	32° 11' 39"	33° 00' 43"	31° 56' 13"
Lt	18.711	18.008	20.027
St	12.452	12.585	14.427
Ts	213.589	43.701	47.612

JUBILEE AVENUE RAMP SPIRAL CURVE DATA

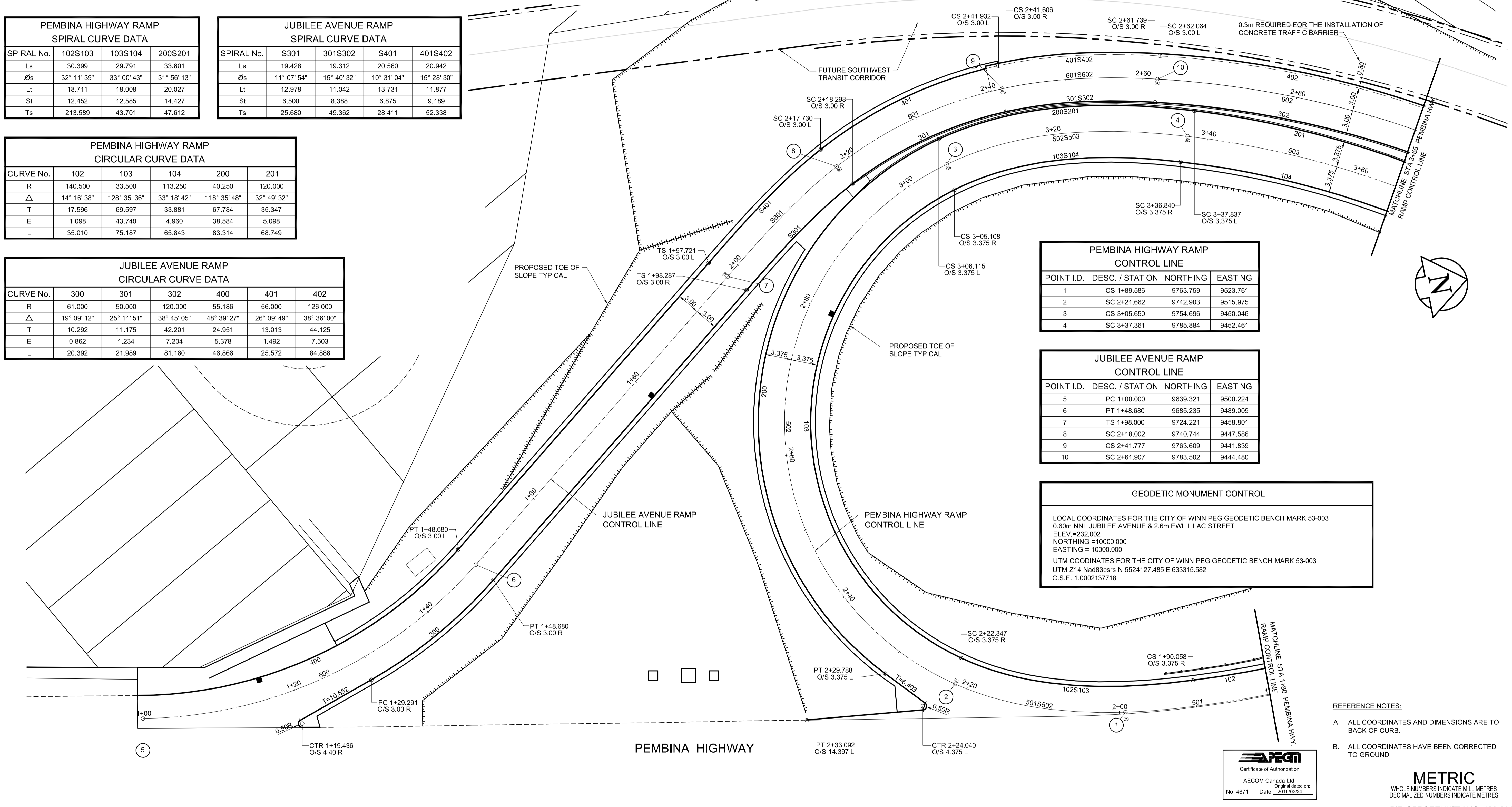
SPIRAL No.	S301	301S302	S401	401S402
Ls	19.428	19.312	20.560	20.942
Os	11° 07' 54"	15° 40' 32"	10° 31' 04"	15° 28' 30"
Lt	12.978	11.042	13.731	11.877
St	6.500	8.388	6.875	9.189
Ts	25.680	49.362	28.411	52.338

PEMBINA HIGHWAY RAMP CIRCULAR CURVE DATA

CURVE No.	102	103	104	200	201
R	140.500	33.500	113.250	40.250	120.000
Δ	14° 16' 38"	128° 35' 36"	33° 18' 42"	118° 35' 48"	32° 49' 32"
T	17.596	69.597	33.881	67.784	35.347
E	1.098	43.740	4.960	38.584	5.098
L	35.010	75.187	65.843	83.314	68.749

JUBILEE AVENUE RAMP CIRCULAR CURVE DATA

CURVE No.	300	301	302	400	401	402
R	61.000	50.000	120.000	55.186	56.000	126.000
Δ	19° 09' 12"	25° 11' 51"	38° 45' 05"	48° 39' 27"	26° 09' 49"	38° 36' 00"
T	10.292	11.175	42.201	24.951	13.013	44.125
E	0.862	1.234	7.204	5.378	1.492	7.503
L	20.392	21.989	81.160	46.866	25.572	84.886



PEMBINA HIGHWAY RAMP CONTROL LINE

POINT I.D.	DESC. / STATION	NORTHING	EASTING
1	CS 1+89.586	9763.759	9523.761
2	SC 2+21.662	9742.903	9515.975
3	CS 3+05.650	9754.696	9450.046
4	SC 3+37.361	9785.884	9452.461

JUBILEE AVENUE RAMP CONTROL LINE

POINT I.D.	DESC. / STATION	NORTHING	EASTING
5	PC 1+00.000	9639.321	9500.224
6	PT 1+48.680	9685.235	9489.009
7	TS 1+98.000	9724.221	9458.801
8	SC 2+18.002	9740.744	9447.586
9	CS 2+41.777	9763.609	9441.839
10	SC 2+61.907	9783.502	9444.480

GEODETIK MONUMENT CONTROL

LOCAL COORDINATES FOR THE CITY OF WINNIPEG GEODETIK BENCH MARK 53-003
 0.60m>NNL JUBILEE AVENUE & 2.6m EWL LILAC STREET
 ELEV =232.002
 NORTHING =10000.000
 EASTING = 10000.000

UTM COORDINATES FOR THE CITY OF WINNIPEG GEODETIK BENCH MARK 53-003
 UTM Z14 Nad83csrs N 5524127.485 E 633315.582
 C.S.F. 1.0002137718

- REFERENCE NOTES:**
- A. ALL COORDINATES AND DIMENSIONS ARE TO BACK OF CURB.
 - B. ALL COORDINATES HAVE BEEN CORRECTED TO GROUND.



METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES
 BID OPPORTUNITY NO. 133-2010

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	
	GAS		MANHOLE		CONCRETE PAVEMENT		LOCATION APPROVED		BM ELEV
	MTS		CATCH BASIN / CATCH PIT		ASPHALT PAVEMENT		UNDERGROUND STRUCTURES		DATE
	HYDRO		CURB INLET WITH BOX		CONC. SIDEWALK/MEDIAN		SUPR. U/G STRUCTURES COMMITTEE		DATE
	CATV/FO		TREE		PAVING STONE		NOTE:		SCALE
	TRAFFIC SIGNALS/PIT		TEST HOLE		GRAVEL		LOCATION APPROVED		SCALE
	LAND DRAINAGE SEWER		PROPERTY LINE		RAMP CURB		LOCATION APPROVED		SCALE
	SANITARY/COMBINED SEWER		SURVEY BAR		PLANING/REMOVAL		LOCATION APPROVED		SCALE
	SSP/DCP		FENCE		LEGEND - PLAN		LOCATION APPROVED		SCALE
	WATERMAIN		BOC/EOPAVT		LEGEND - PLAN		LOCATION APPROVED		SCALE
	SUBDRAIN		ELEVATION		LEGEND - PLAN		LOCATION APPROVED		SCALE
	DITCH		TRAFFIC SIGN		LEGEND - PLAN		LOCATION APPROVED		SCALE
	EXISTING		LEGEND - PLAN		LEGEND - PLAN		LOCATION APPROVED		SCALE

LOCATION APPROVED UNDERGROUND STRUCTURES

NO.	ISSUED FOR	DATE	BY
0	ISSUED FOR CONSTRUCTION	10/03/24	BC
B	ISSUED FOR 100% REVIEW	10/03/08	BC
A	ISSUED FOR 30% REVIEW	10/01/28	BC
NO.	REVISIONS	YY/MM/DD	BY

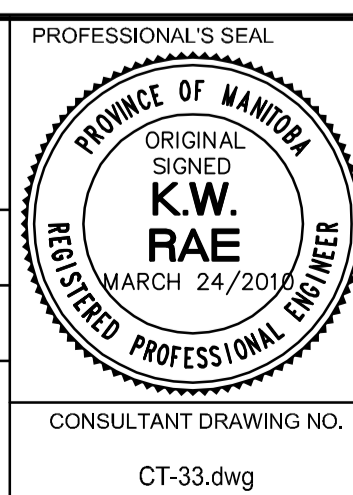
NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES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

AECOM

DESIGNED BY	BY	CHECKED BY	BY
KWR	WRJ	WRJ	
BC			

HOR. SCALE: 1:250
 VERT. SCALE: N/A

DESIGNED BY: KWR
 CHECKED BY: WRJ
 DRAWN BY: BC
 APPROVED BY: WRJ
 RELEASED FOR CONSTRUCTION



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

JUBILEE AVENUE OVERPASS ASSOCIATED ROADWORKS HORIZONTAL ROADWAY GEOMETRY SHEET 1 OF 3

CITY DRAWING NUMBER: B124-10-33
 SHEET 33 OF 51
 DRAWING No. 33 REV 0

CONSULTANT DRAWING NO. CT-33.dwg