

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

PEMBINA HIGHWAY RAMP CONTROL LINE CIRCULAR CURVE DATA					
CURVE No.	500	501	503	504	505
R	143.375	143.875	116.625	177.863	77.498
Δ	13° 34' 16"	14° 05' 21"	33° 45' 55"	21° 19' 16"	39° 28' 54"
T	17.060	17.779	35.395	33.480	27.811
E	1.011	1.094	5.252	3.124	4.839
L	33.960	35.379	68.729	66.187	53.403

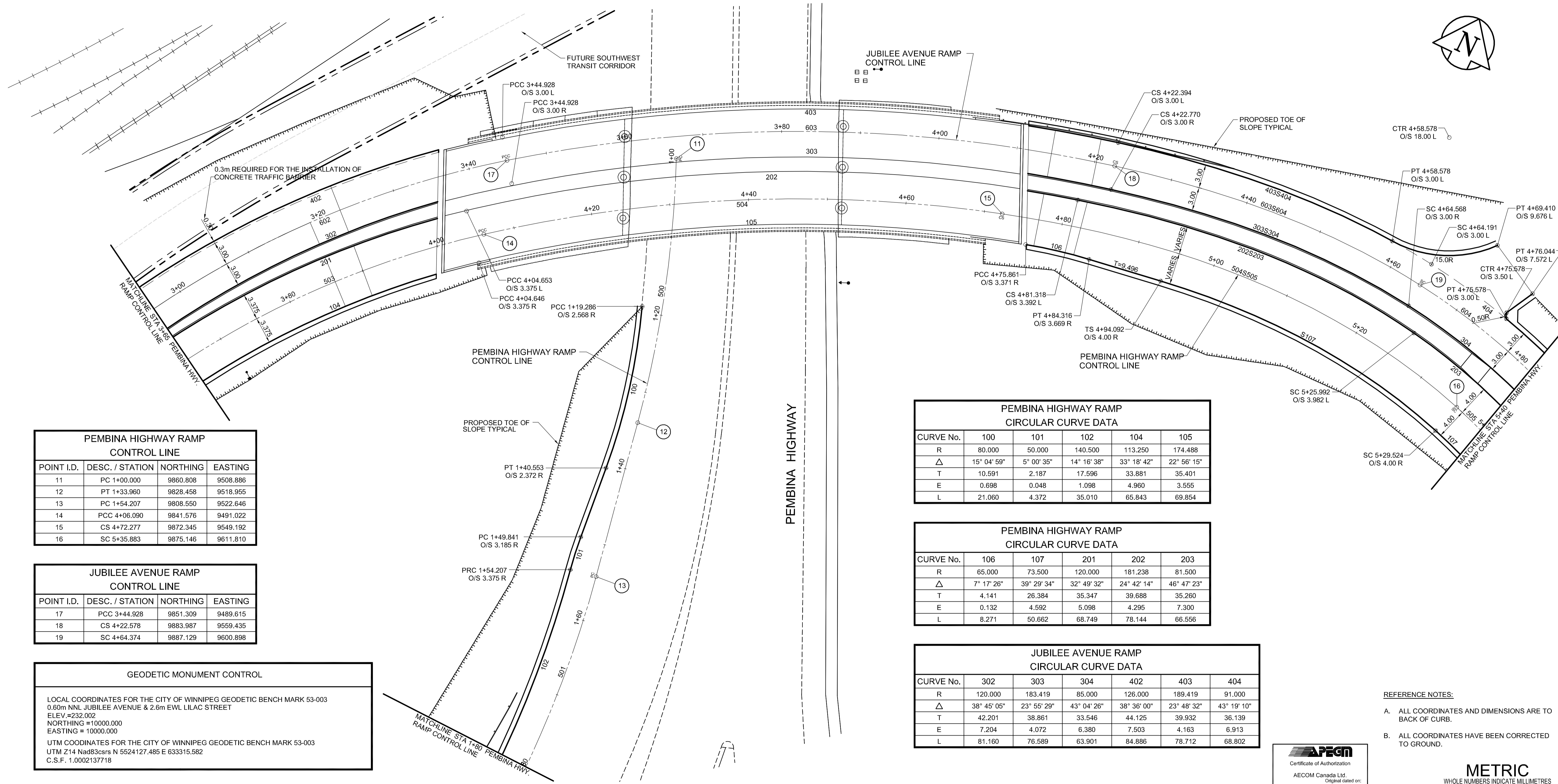
JUBILEE AVENUE RAMP CONTROL LINE CIRCULAR CURVE DATA			
CURVE No.	602	603	604
R	123.000	186.419	88.000
Δ	38° 40' 23"	23° 51' 56"	43° 12' 01"
T	43.162	39.396	34.841
E	7.353	4.117	6.646
L	83.022	77.650	66.351

PEMBINA HIGHWAY RAMP CONTROL LINE SPIRAL CURVE DATA	
SPIRAL No.	504S505
Ls	63.606
Δs	33° 45' 26"
Lt	36.916
St	28.537
Ts	74.333

JUBILEE AVENUE RAMP CONTROL LINE SPIRAL CURVE DATA	
SPIRAL No.	603S604
Ls	41.796
Δs	20° 01' 46"
Lt	23.611
St	18.605
Ts	64.590

PEMBINA HIGHWAY RAMP SPIRAL CURVE DATA		
SPIRAL No.	S107	202S203
Ls	40.034	46.205
Δs	25° 18' 56"	23° 32' 43"
Lt	21.823	26.355
St	18.871	20.493
Ts	53.630	69.507

JUBILEE AVENUE RAMP SPIRAL CURVE DATA		
SPIRAL No.	303S304	403S404
Ls	40.746	42.842
Δs	20° 05' 49"	19° 58' 01"
Lt	23.074	24.146
St	18.084	19.124
Ts	62.587	66.591



PEMBINA HIGHWAY RAMP CONTROL LINE				
POINT I.D.	DESC. / STATION	NORTHING	EASTING	
11	PC 1+00.000	9860.808	9508.886	
12	PT 1+33.960	9828.458	9518.955	
13	PC 1+54.207	9808.550	9522.646	
14	PCC 4+06.090	9841.576	9491.022	
15	CS 4+72.277	9872.345	9549.192	
16	SC 5+35.883	9875.146	9611.810	

JUBILEE AVENUE RAMP CONTROL LINE				
POINT I.D.	DESC. / STATION	NORTHING	EASTING	
17	PCC 3+44.928	9851.309	9489.615	
18	CS 4+22.578	9883.987	9559.435	
19	SC 4+64.374	9887.129	9600.898	

**GEODETIC MONUMENT CONTROL**

LOCAL COORDINATES FOR THE CITY OF WINNIPEG GEODETIC BENCH MARK 53-003  
 0.60m>NNL JUBILEE AVENUE & 2.8m>EWL LILAC STREET  
 ELEV.=232.002  
 NORTHING =10000.000  
 EASTING =10000.000

UTM COORDINATES FOR THE CITY OF WINNIPEG GEODETIC BENCH MARK 53-003  
 UTM Z14 Nad83csrs N 5524217.485 E 633315.582  
 C.S.F. 1.0002137718

PEMBINA HIGHWAY RAMP CIRCULAR CURVE DATA					
CURVE No.	100	101	102	104	105
R	80.000	50.000	140.500	113.250	174.488
Δ	16° 04' 59"	5° 00' 35"	14° 16' 38"	33° 18' 42"	22° 56' 15"
T	10.591	2.187	17.596	33.881	35.401
E	0.698	0.048	1.098	4.960	3.555
L	21.060	4.372	35.010	65.843	69.854

PEMBINA HIGHWAY RAMP CIRCULAR CURVE DATA				
CURVE No.	106	107	201	203
R	65.000	73.500	120.000	181.238
Δ	7° 17' 26"	39° 29' 34"	32° 49' 32"	24° 42' 14"
T	4.141	26.384	35.347	39.688
E	0.132	4.592	5.098	4.295
L	8.271	50.662	68.749	78.144

JUBILEE AVENUE RAMP CIRCULAR CURVE DATA					
CURVE No.	302	304	402	403	404
R	120.000	183.419	85.000	126.000	189.419
Δ	38° 45' 05"	23° 55' 29"	43° 04' 26"	38° 36' 00"	23° 48' 32"
T	42.201	38.861	33.546	44.125	39.932
E	7.204	4.072	6.380	7.503	4.163
L	81.160	76.589	63.901	84.886	78.712

**REFERENCE NOTES:**

A. ALL COORDINATES AND DIMENSIONS ARE TO BACK OF CURB.

B. ALL COORDINATES HAVE BEEN CORRECTED TO GROUND.



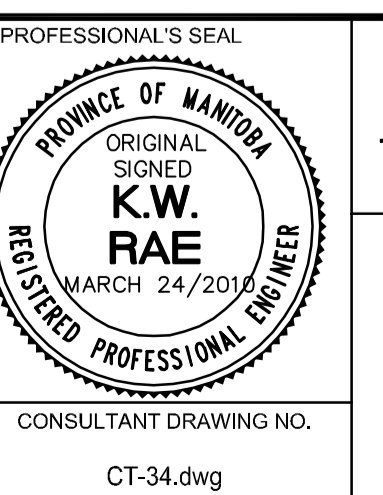
**METRIC**  
 WHOLE NUMBERS INDICATE MILLIMETRES  
 DECIMALIZED NUMBERS INDICATE METRES

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. UG STRUCTURES		COMMITTEE
	CATV/FO		TREE		PAVING STONE		NOTE:		LOCATION OF UNDERGROUND STRUCTURES
	TRAFFIC SIGNALS/PIT		TEST HOLE		GRAVEL		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.		PLANING/REMOVAL
	LAND DRAINAGE SEWER		PROPERTY LINE		RAMP CURB		DATE		DATE
	SANITARY/COMBINED SEWER		SURVEY BAR		PLANING/REMOVAL		DATE		DATE
	SSP/DCP		FENCE		DATE		DATE		DATE
	WATERMAIN		BOC/EOPAVT		DATE		DATE		DATE
	SUBDRAIN		ELEVATION		DATE		DATE		DATE
	DITCH		TRAFFIC SIGN		DATE		DATE		DATE

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	YYMM/DD	BY

DESIGNED BY	CHECKED BY
KWR	WRJ
DRAWN BY	APPROVED BY
BC	
HOR. SCALE	RELEASED FOR CONSTRUCTION
1:250	
VERT. SCALE	DATE
N/A	



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

**JUBILEE AVENUE OVERPASS ASSOCIATED ROADWORKS**  
 HORIZONTAL ROADWAY GEOMETRY  
 SHEET 2 OF 3

CITY DRAWING NUMBER B124-10-34  
 SHEET 34 OF 51  
 DRAWING No. 34  
 REV 0

CONSULTANT DRAWING NO. CT-34.dwg