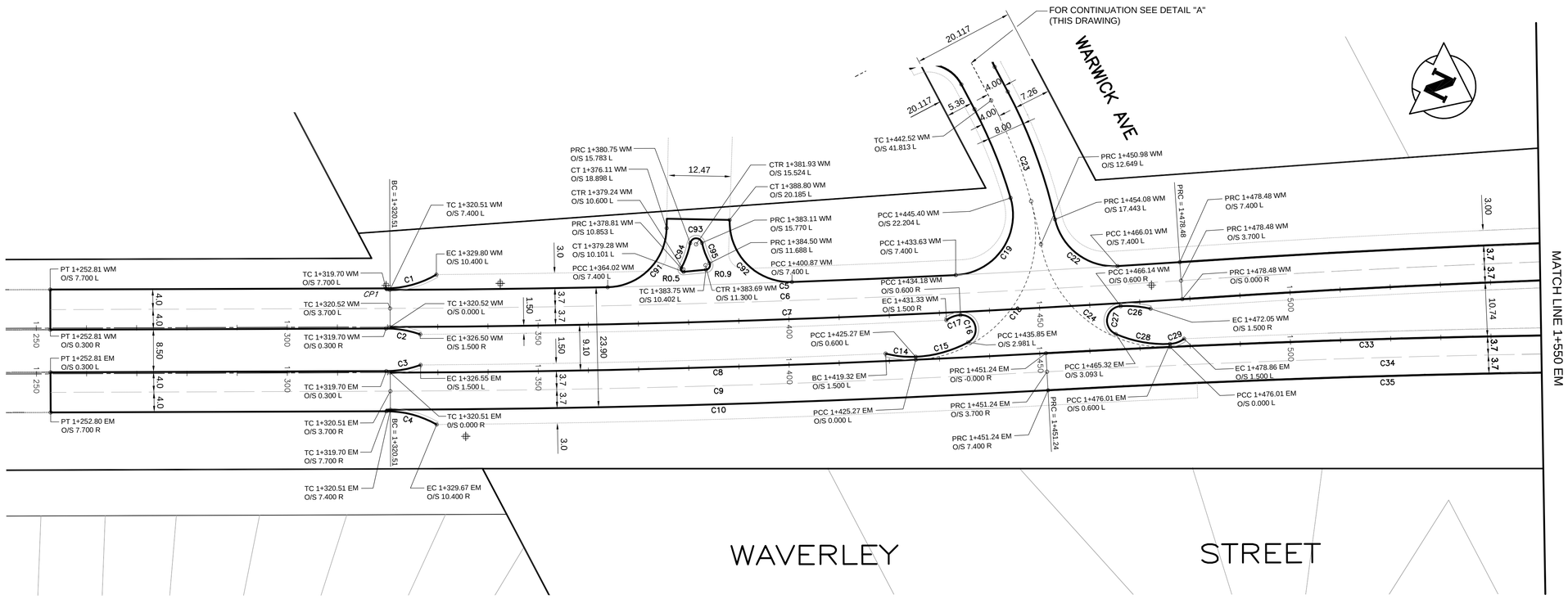
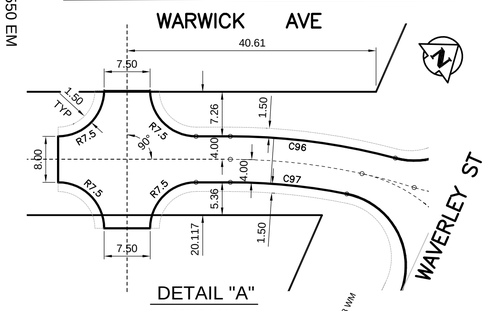


CIRCULAR CURVE DATA				
CURVE	RADIUS	TANGENT	DELTA	LENGTH
C1	20.00	5.40	30°12'55"	10.55
C2	20.00	3.51	19°53'17"	6.94
C3	20.00	3.53	20°00'34"	6.98
C4	20.00	5.36	30°01'17"	10.48
C5	2492.60	78.78	3°37'14"	157.51
C6	2496.30	78.90	3°37'14"	157.74
C7	2500.00	79.01	3°37'14"	157.98
C8	2509.10	65.38	2°59'07"	130.73
C9	2512.80	65.48	2°59'07"	130.92
C10	2516.50	65.57	2°59'07"	131.12
C14	20.00	3.05	17°19'19"	6.05
C15	24.40	5.55	25°38'28"	10.92
C16	2.90	12.85	154°34'18"	7.82
C17	5.00	1.57	34°52'57"	3.04
C18	25.00	31.33	102°49'34"	44.87
C19	12.00	15.26	103°38'51"	21.71
C22	12.00	10.20	80°44'55"	16.91
C23	100.00	15.35	17°27'02"	30.46
C24	25.00	21.83	82°14'49"	35.89
C26	20.00	3.02	17°11'11"	6.00
C27	2.90	12.11	153°04'26"	7.75
C28	24.40	5.63	26°00'22"	11.07
C29	5.00	1.57	34°52'57"	3.04
C33	2500.00	67.84	3°06'32"	135.65
C34	2496.30	67.74	3°06'32"	135.45
C35	2492.60	67.64	3°06'32"	135.24
C91	12.00	11.54	87°44'30"	18.38
C92	12.00	12.84	93°53'17"	19.66
C93	1.20	5.56	155°37'56"	3.26
C94	17.00	2.68	17°55'20"	5.32
C95	18.00	2.17	13°44'56"	4.32

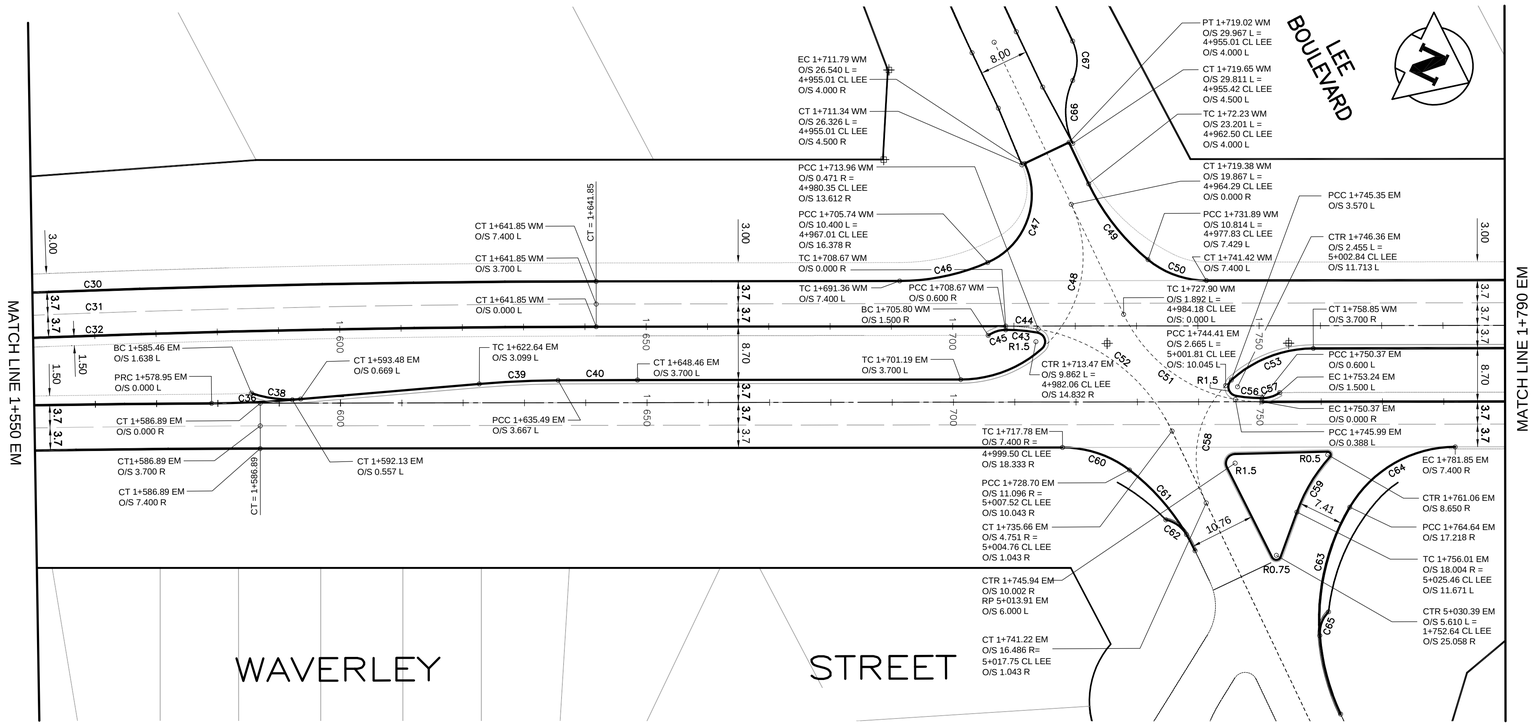


DETAIL "A"

SCALE 1:500

CIRCULAR CURVE DATA				
CURVE	RADIUS	TANGENT	DELTA	LENGTH
C96	103.75	13.69	15°2'7"	27.23
C97	96.25	9.59	11°22'52"	19.12

SEE DRAWING C0003



Control Survey Monuments (Local Coordinates)					
No.	GBM	Elevation	Northing	Easting	Description
CP 1		232.535 m	3000.042	10000.005	IB CP1
CP 2	GBM82024	232.259 m			83R523 - N.E. COR. WAVERLEY ST. & SANDUSKI DR.,WHICH IS APPROX. 12m S.OF 9th SET OF H LINE HYDRO POLES S. OF LEE BLVD. ON E. SIDE OF WAVERLEY ST., TBLT. ON TOP OF 0.05m DIA. x 2.4m IRON PIPE, IN VALVE BOX, 1m W. OF E.L. WAVERLEY ST. & 0.15m S. OF N.L. SANDUSKI DR.
CP 3	GBM82020	232.892 m			N. SIDE LEE BLVD., E. OF WAVERLEY ST., TBLT. IN S. CONC. FOUNDATION OF No. 1301 LEE BLVD., CANADIAN NAZARENE COLEEGE MEN'S RESIDENCE, 0.5m W. & 0.5m BELOW TYNDALL STONE OF MOST SLY. PROJECTION OF S.E. COR. OF BLDG.
CP 3	GBM75006	232.474 m			216 (654216) - N.W. COR. WAVERLEY ST. & CADBORO RD.,TBLT. IN 7.6m CONC PILE BENEATH VALVE BOX, 6.3m E. OF W.L. WAVERLEY ST. & 6.8m S. OF N.L. CADBORO RD.

CIRCULAR CURVE DATA				
CURVE	RADIUS	TANGENT	DELTA	LENGTH
C30	2507.40	81.95	3°44'39"	163.85
C31	2503.70	81.83	3°44'39"	163.61
C32	2500.00	81.71	3°44'39"	163.37
C36	165.00	6.60	4°34'55"	13.19
C38	20.00	4.12	23°18'12"	8.13
C39	165.00	6.44	4°28'04"	12.87
C40	2511.10	6.48	0°17'45"	12.97
C43	29.40	2.61	10°09'44"	5.21
C45	5.00	1.57	34°54'55"	3.05
C46	36.00	7.51	23°33'23"	14.80
C47	12.00	12.38	91°48'19"	19.23
C48	20.00	31.61	115°21'43"	40.27
C49	36.00	8.05	25°12'32"	15.84
C50	15.00	5.38	39°25'47"	10.32
C51	25.00	15.82	64°38'18"	28.20
C52	30.00	18.98	64°38'27"	33.85
C53	20.00	8.43	45°42'44"	15.96
C56	24.40	2.16	10°06'16"	4.30
C57	5.00	1.57	34°54'55"	3.05
C58	17.00	11.83	69°38'49"	20.66
C59	27.50	5.36	22°03'34"	10.59
C60	18.00	6.09	37°22'29"	11.74
C61	36.00	8.73	27°15'58"	17.13
C62	5.00	2.27	48°47'10"	4.26
C63	36.00	19.13	55°57'48"	35.16
C64	20.00	11.41	59°23'45"	20.73
C65	5.00	2.27	48°47'10"	4.26

APEGM
Certificate of Authorization
Wardrop Engineering Inc.
No. 195 Expiry: April 30, 2012

GENERAL NOTES

1. CHAINAGE IS ALONG PROPOSED WEST AND EAST MEDIAN CONTROL LINES OF WAVERLEY STREET.
2. STATION 1+000 = NW CORNER OF JOHN ANGUS DRIVE & WAVERLEY STREET
3. REFER TO DRAWING C0008 TO C0011 FOR WAVERLEY ST PLAN AND C0012 TO C0015 FOR WAVERLEY ST PROFILES.
4. REFER TO DRAWING C0003 FOR LEE BOULEVARD GEOMETRIC LAYOUT.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
A	ISSUED FOR TENDER	11.05.13	

WARDROP A TETRA TECH COMPANY
PEOPLE, PASSION, PERFORMANCE. TRUSTED GLOBALLY

DESIGNED BY bgd	CHECKED BY
DRAWN BY NL	APPROVED BY
HOR. SCALE: 1 : 500	RELEASED FOR CONSTRUCTION
VERTICAL:	
DATE 10.04.21	DATE

PRELIMINARY DRAWING
NOT TO BE USED FOR CONSTRUCTION

CONSULTANT DRAWING NO.
0800040300-DWG-C0001-A

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

WAVERLEY STREET
TWINNING AND ASSOCIATED WORKS

WAVERLEY STREET GEOMETRIC LAYOUT
FROM STA 1+250 TO STA 1+790

CITY DRAWING NUMBER
SHEET 1 OF 19
C0001