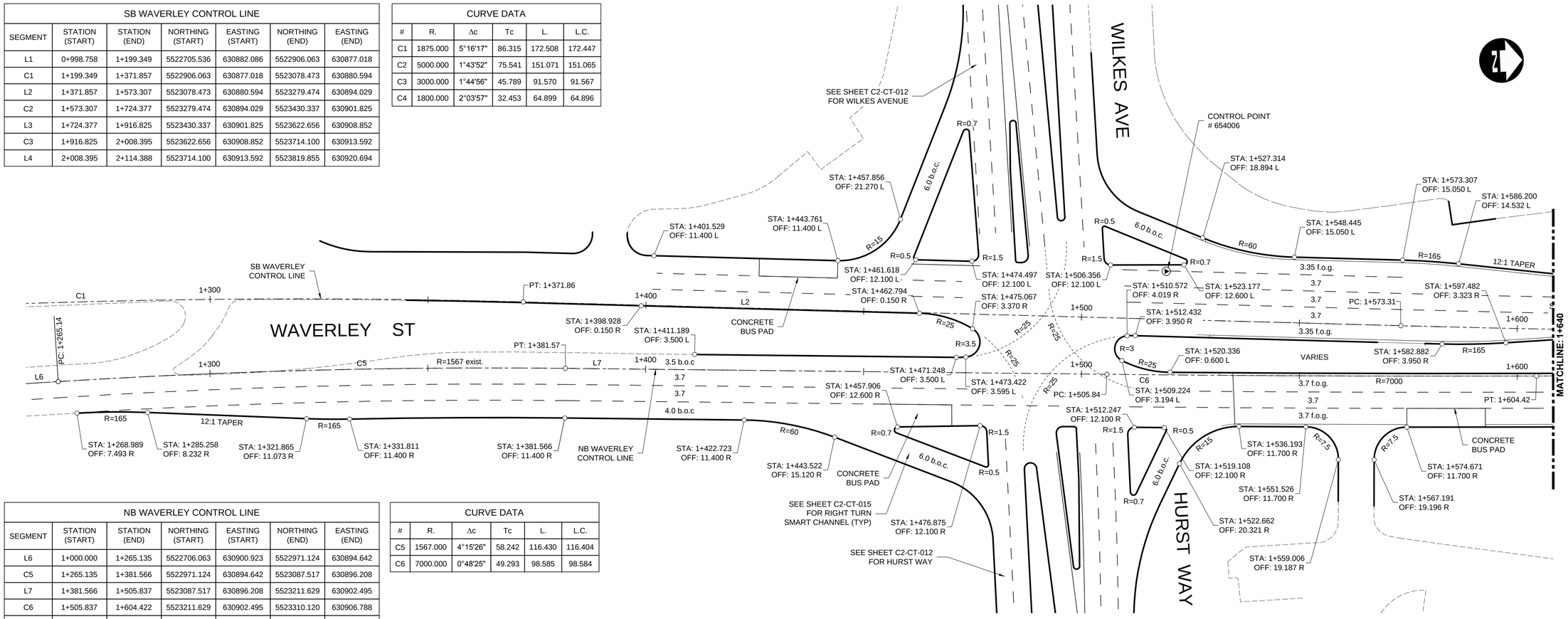
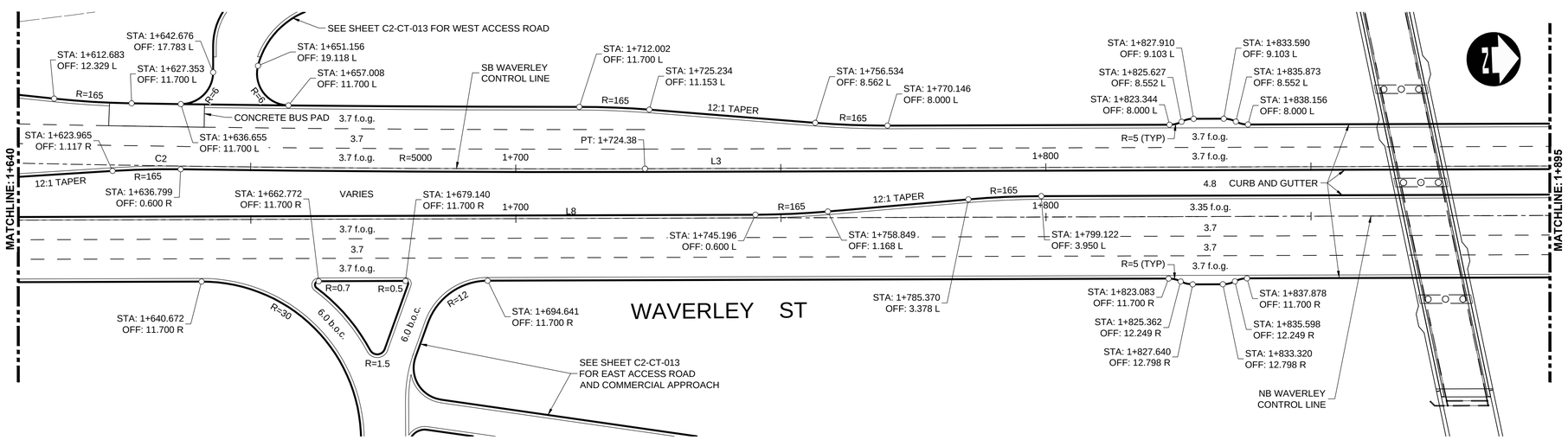
SB WAVERLEY CONTROL LINE						
SEGMENT	STATION (START)	STATION (END)	NORTHING (START)	EASTING (START)	NORTHING (END)	EASTING (END)
L1	0+998.758	1+199.349	5522705.536	630882.086	5522906.063	630877.018
C1	1+199.349	1+371.857	5522906.063	630877.018	5523078.473	630880.594
L2	1+371.857	1+573.307	5523078.473	630880.594	5523279.474	630894.029
C2	1+573.307	1+724.377	5523279.474	630894.029	5523430.337	630901.825
L3	1+724.377	1+916.825	5523430.337	630901.825	5523622.656	630908.852
C3	1+916.825	2+008.395	5523622.656	630908.852	5523714.100	630913.592
L4	2+008.395	2+114.388	5523714.100	630913.592	5523819.855	630920.694

CURVE DATA					
#	R.	Δc	Tc	L.	L.C.
C1	1875.000	5°16'17"	86.315	172.508	172.447
C2	5000.000	1°43'52"	75.541	151.071	151.065
C3	3000.000	1°44'56"	45.789	91.570	91.567
C4	1800.000	2°03'57"	32.453	64.899	64.896



NB WAVERLEY CONTROL LINE						
SEGMENT	STATION (START)	STATION (END)	NORTHING (START)	EASTING (START)	NORTHING (END)	EASTING (END)
L6	1+000.000	1+265.135	5522706.063	630900.923	5522971.124	630894.642
C5	1+265.135	1+381.566	5522971.124	630894.642	5523087.517	630896.208
L7	1+381.566	1+505.837	5523087.517	630896.208	5523211.629	630902.495
C6	1+505.837	1+604.422	5523211.629	630902.495	5523310.120	630906.788
L8	1+604.422	2+138.310	5523310.120	630906.788	5523843.652	630926.284
L9	2+138.310	2+519.082	5523843.652	630926.284	5524224.241	630938.073

CURVE DATA					
#	R.	Δc	Tc	L.	L.C.
C5	1567.000	4°15'26"	58.242	116.430	116.404
C6	7000.000	0°48'25"	49.293	98.585	98.584



LEGEND

b.o.c.	-	BACK OF CURB
f.o.g.	-	FACE OF 600mm WIDE CURB AND GUTTER PAN

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 17/01/09

CONTROL POINTS			
PR	NORTHING	EASTING	ELEV
654006	5523226.155	630879.436	232.796
654265	5525260.841	633094.402	N/A
654241	5524205.641	631153.531	232.931

CONTROL POINT INFORMATION:

- ALL COORDINATES SHOWN ARE UTM AND ARE BASED ON CITY OF WINNIPEG DATUM (NAD 83 1990 ADJUSTMENT)
- COMBINED SCALE FACTOR = 0.99977824
- TO OBTAIN GROUND DISTANCES DIVIDE LENGTHS OBTAINED FROM COORDINATES BY COMBINED SCALE FACTOR

UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES DATE

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.

B.M. ELEV. SEE SHEET C2-CT-007 FOR CONTROL POINT INFORMATION

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	17/01/09	DBW

DILLON CONSULTING

DESIGNED BY	RTP	CHECKED BY	DBW
DRAWN BY	TJH	APPROVED BY	DBW
HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE		DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.B. WIEBE
Member 22480
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
16-3353

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB
CONTRACT 2: UNDERPASS STRUCTURES, RAILWORKS, ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION AND LANDSCAPING WORKS

CONTROL LINE GEOMETRY
WAVERLEY STREET (1 OF 2)

CITY DRAWING NUMBER: U-239-2016-C2-CT-007
SHEET 007 OF 081
CONSULTANT DRAWING NUMBER: C2-CT-007

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