

**KENASTON BOULEVARD WEST MEDIAN CONTROL**

POINT	NORTHING	EASTING
POT=0+500	9830.045	9968.746
TS=1+125.486	10455.174	9989.863
SC=1+175.486	10505.136	9991.789

**CIRCULAR CURVE DATA**

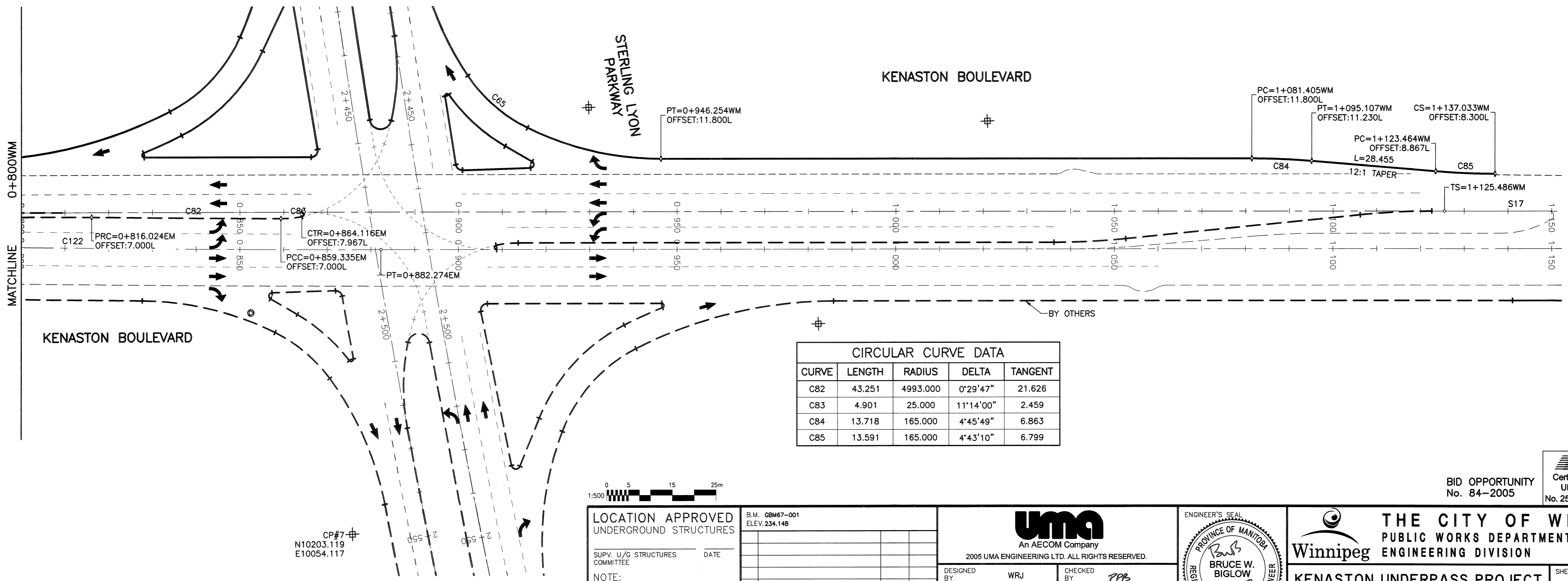
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C76	13.718	165.000	4°45'49"	6.863
C77	13.718	165.000	4°45'49"	6.863
C78	16.598	165.000	5°45'48"	8.306
C79	13.718	165.000	4°45'49"	6.863
C80	13.718	165.000	4°45'49"	6.863
C81	77.114	800.000	5°31'22"	38.587
C121	132.291	5000.000	1°30'57"	66.150
C122	132.291	5000.000	1°30'57"	66.150

**SPIRAL CURVE DATA**

SPIRAL	LENGTH	THETA	S TANGENT	L TANGENT
S17	50.00	0°49'09"	16.667	33.334

**KENASTON BOULEVARD EAST MEDIAN CONTROL**

POINT	NORTHING	EASTING
POT=0+500	9829.876	9973.743
PC=0+617.691	9947.500	9977.716
PRC=0+749.983	10079.642	9983.931
PT=0+882.274	10211.783	9990.146



**CIRCULAR CURVE DATA**

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C82	43.251	4993.000	0°29'47"	21.626
C83	4.901	25.000	11°14'00"	2.459
C84	13.718	165.000	4°45'49"	6.863
C85	13.591	165.000	4°43'10"	6.799



**LOCATION APPROVED UNDERGROUND STRUCTURES**

SUPV. U/G STRUCTURES COMMITTEE DATE

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.

B.M. GBM67-001  
ELEV. 234.148

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	05/04/19	DD
A	ISSUED FOR CLIENT REVIEW	05/02/28	DL

**UMA**  
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DESIGNED BY: WRJ  
CHECKED BY: RPB  
DRAWN BY: DID, CGC  
APPROVED BY: RPB  
AUTHORISED BY: R. FINGAS/P. ENG. BRIDGE PROJECTS ENGINEER  
DATE: 05/03/21

HOR. SCALE: 1:500  
VERTICAL: N/A

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
BRUCE W. BIGLOW  
REGISTERED PROFESSIONAL ENGINEER  
CONSULTANT DRAWING NO. 4231-040-01-06

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

**KENASTON UNDERPASS PROJECT**  
STERLING LYON PARKWAY WEST OF  
KENASTON BOULEVARD

HORIZONTAL GEOMETRY  
KENASTON BOULEVARD AUXILIARY LANES

SHEET 6 OF 61  
CAD FILE DRAWING NUMBER 01-CT1004\_RX  
CITY DRAWING NUMBER P-3258-66

BID OPPORTUNITY No. 84-2005  
Certificate of Authorization UMA Engineering Ltd. No. 256 Expiry: April 30, 2005

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