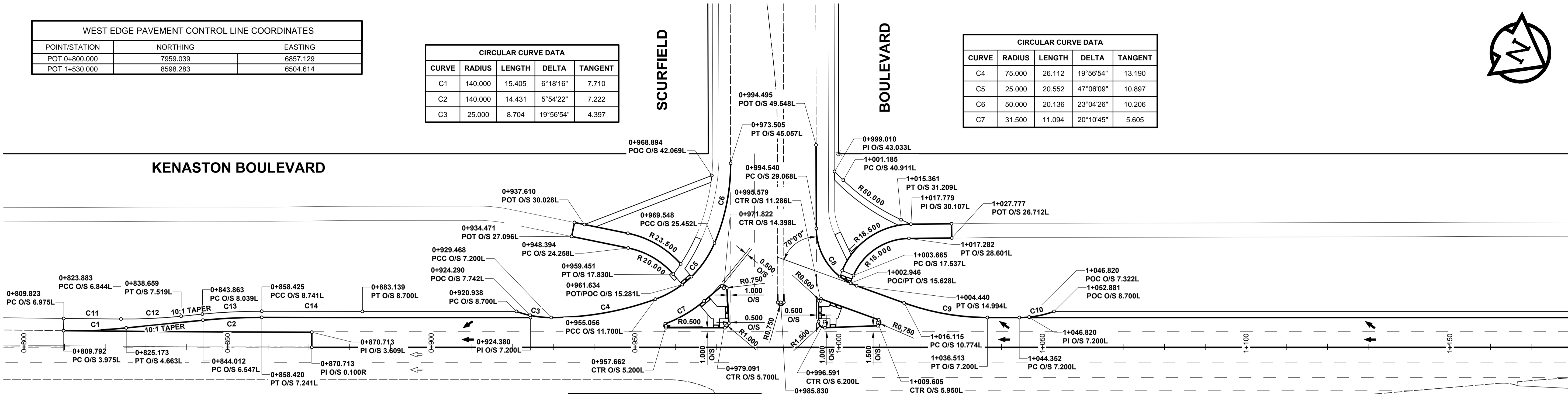


WEST EDGE PAVEMENT CONTROL LINE COORDINATES		
POINT/STATION	NORTHING	EASTING
POT 0+800.000	7959.039	6857.129
POT 1+530.000	8598.283	6504.614

CIRCULAR CURVE DATA				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	140.000	15.405	6°18'16"	7.710
C2	140.000	14.431	5°54'22"	7.222
C3	25.000	8.704	19°56'54"	4.397

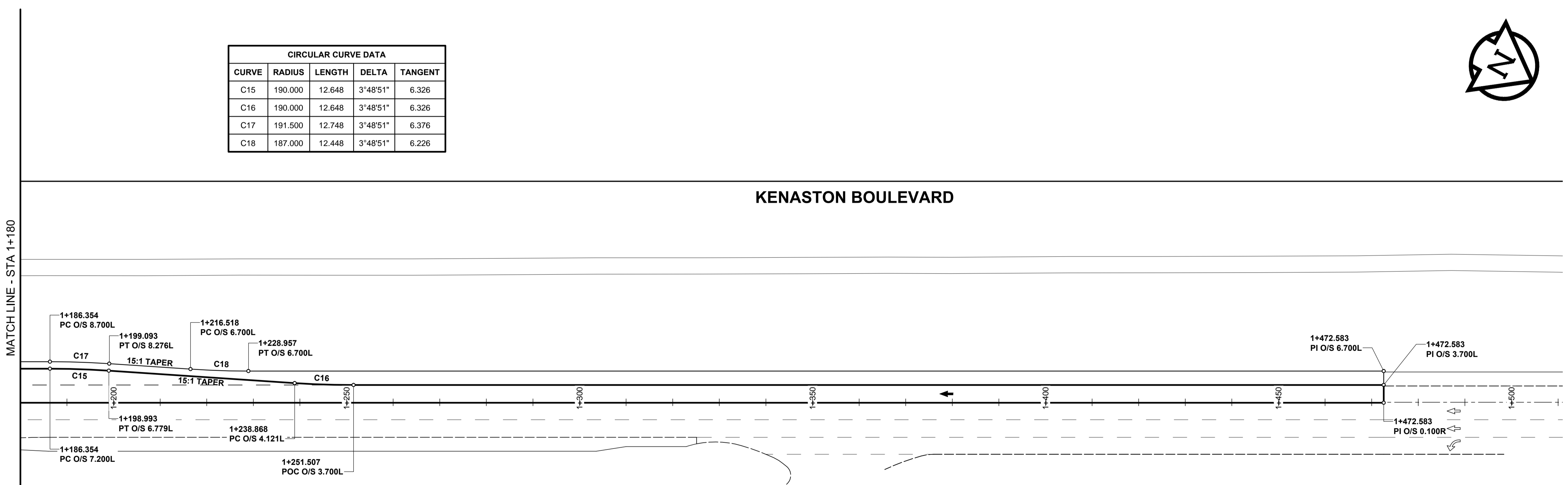
CIRCULAR CURVE DATA				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C4	75.000	26.112	19°56'54"	13.190
C5	25.000	20.552	47°06'09"	10.897
C6	50.000	20.136	23°04'26"	10.206
C7	31.500	11.094	20°10'45"	5.605



CIRCULAR CURVE DATA				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C8	15.000	18.326	70°00'00"	10.503
C9	60.000	20.813	19°52'30"	10.512
C10	25.000	8.704	19°56'54"	4.397

CIRCULAR CURVE DATA				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C11	6989.600	14.061	0°06'55"	7.030
C12	137.000	14.799	6°11'21"	7.407
C13	141.500	14.586	5°54'22"	7.299
C14	6987.500	24.714	0°12'10"	12.357

CIRCULAR CURVE DATA				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C15	190.000	12.648	3°48'51"	6.326
C16	190.000	12.648	3°48'51"	6.326
C17	191.500	12.748	3°48'51"	6.376
C18	187.000	12.448	3°48'51"	6.226



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	
	GAS		MANHOLE		CONCRETE PAVEMENT		LOCATION APPROVED		BM 65-024
	MTS / PEDESTAL		CATCH BASIN / CATCH PIT		CONC SIDEWALK / MEDIAN		UNDERGROUND STRUCTURES		ELEV 232.001 m
	HYDRO / CABINET		CURB INLET WITH BOX		ASPHALT PAVEMENT		SUPR. U/G STRUCTURES		
	CATV / FIBRE OPTIC		TREE		PAVING STONE		DATE		
	TRAFFIC SIGNALS / PIT		TEST HOLE		GRAVEL		NOTE:		
	LAND DRAINAGE SEWER		PROPERTY LINE		RAMP CURB		LOCATION OF UNDERGROUND STRUCTURES		
	SANITARY/COMBINED SEWER		SURVEY BAR		PLANING / REMOVAL		AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO		
	CB LEAD / SSP / DCP		FENCE				GUARANTEE IS GIVEN THAT ALL EXISTING		
	WATER MAIN		BOC / EDGE OF PAVEMENT				LOCATIONS ARE EXACT. CONFIRMATION OF		
	SUBDRAIN		ELEVATION				SERVICES MUST BE OBTAINED FROM THE		
	DITCH		TRAFFIC SIGN				INDIVIDUAL UTILITIES BEFORE PROCEEDING		
	LEGEND - PLAN		LEGEND - PLAN				WITH CONSTRUCTION.		

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. 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	ISSUED FOR TENDER	17/06/20	JGK
A	ISSUED FOR CLIENT REVIEW	17/06/09	JGK
No.	REVISIONS	YY/MM/DD	BY

DESIGNED BY	JGK	CHECKED BY	RPB
DRAWN BY	DID	APPROVED BY	BWB
HOR SCALE	1:500	RELEASED FOR CONSTRUCTION	
VERT SCALE	N/A		
DATE	17/06/09	DATE	

PROFESSIONAL'S SEAL

PROVINCE OF MANITOBA

J.G. KENNEDY
Member
22326

REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
W170005 Kenaston-HG-22.dwg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2017 REGIONAL STREET RENEWAL PROGRAM
KENASTON BOULEVARD WIDENING
MCGILLIVRAY BOULEVARD TO BISHOP GRANDIN BOULEVARD
HORIZONTAL GEOMETRY
VARIOUS LOCATIONS

CITY DRAWING NUMBER
P-3482-22

SHEET 22 OF 30

DRAWING No. REV
22 B

BID OPPORTUNITY No. 300-2017