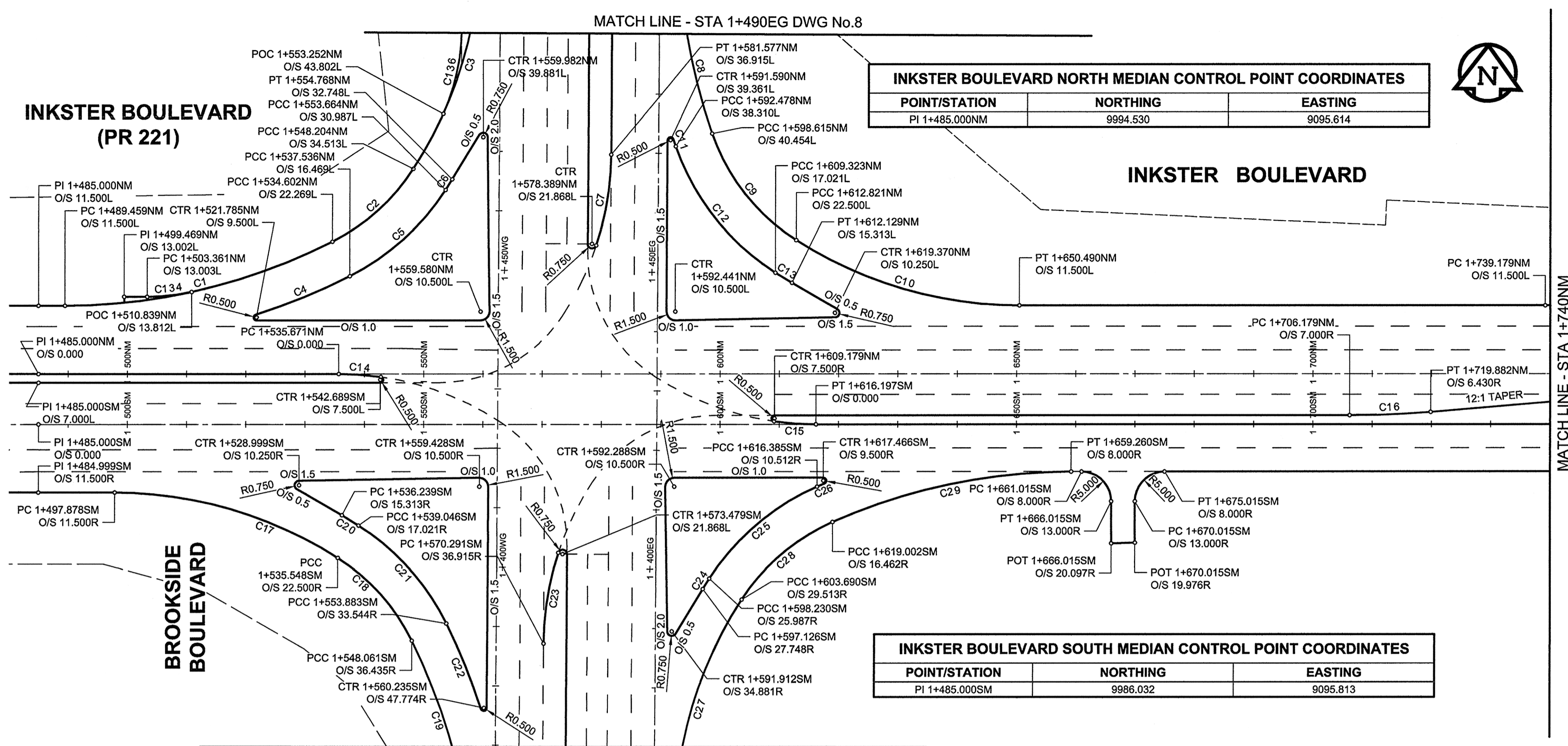


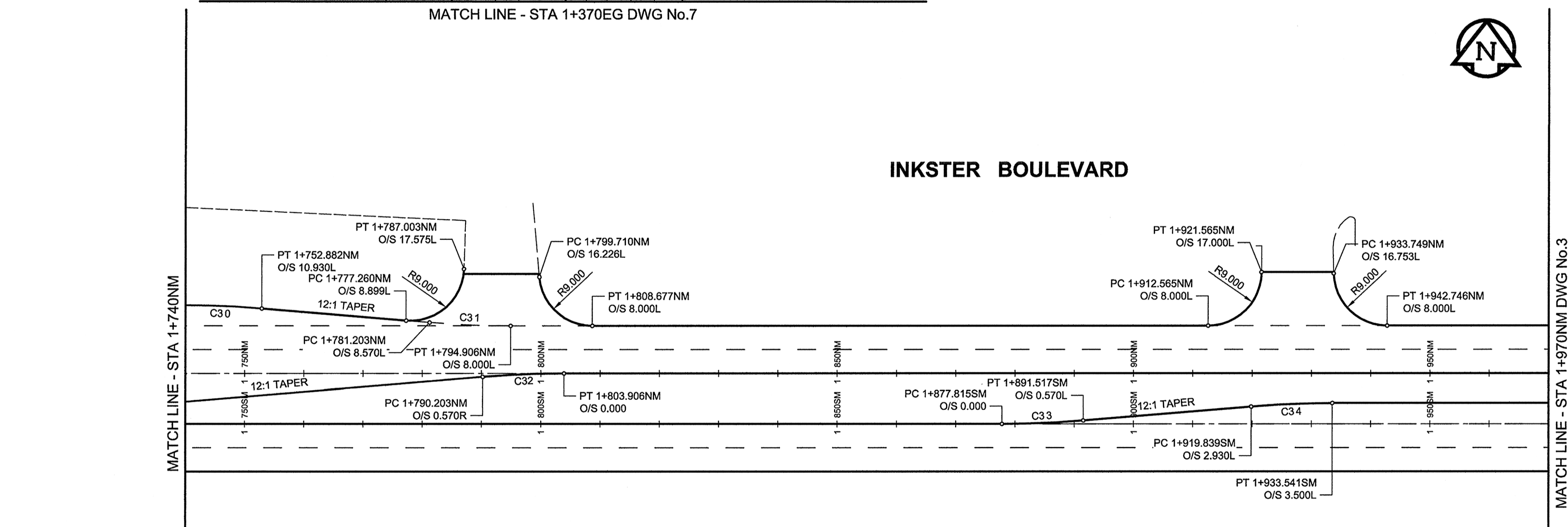
A1 SIZE 23.4" x 33.1" (594mm x 841mm)

PLOT: 09/07/10 3:43:13 PM

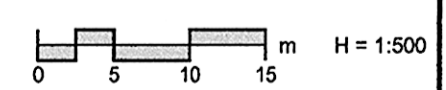
U:\A\FILE NAME: 0285-411-00\_03-CT1002\_RX.dwg Saved By: coopersk



CIRCULAR CURVE DATA				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	46.836	100.000	26°50'07"	23.856
C2	18.516	35.000	30°18'42"	9.480
C3	39.776	70.000	32°33'25"	20.441
C4	17.195	106.500	9°15'02"	8.616
C5	21.955	41.500	30°18'42"	11.241
C6	2.078	76.500	1°33'23"	1.039
C7	15.541	50.000	17°48'32"	7.834
C8	34.134	100.000	19°33'26"	17.235
C9	23.324	35.000	38°10'55"	12.114
C10	39.776	70.000	32°33'25"	20.441
C11	1.280	106.500	0°41'18"	0.640
C12	27.656	41.500	38°10'55"	14.363
C13	3.286	76.500	2°27'39"	1.643
C14	7.113	50.000	8°09'02"	3.562
C15	7.113	50.000	8°09'02"	3.562
C16	13.718	165.000	4°45'49"	6.863
C17	39.776	70.000	32°33'25"	20.441
C18	18.960	35.000	31°02'16"	9.719
C19	47.305	100.000	27°06'14"	24.104
C20	3.286	76.500	2°27'39"	1.643
C21	22.481	41.500	31°02'16"	11.524
C22	15.553	106.500	8°22'02"	7.790
C23	15.541	50.000	17°48'32"	7.834
C24	2.078	76.500	1°33'23"	1.039
C25	24.197	41.500	33°24'27"	12.454
C26	1.390	106.500	0°44'52"	0.695
C27	39.776	70.000	32°33'25"	20.441
C28	20.408	35.000	33°24'27"	10.503
C29	41.433	100.000	23°44'23"	21.018



CIRCULAR CURVE DATA				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C30	13.718	165.000	4°45'49"	6.863
C31	13.718	165.000	4°45'49"	6.863
C32	13.718	165.000	4°45'49"	6.863
C33	13.718	165.000	4°45'49"	6.863
C34	13.718	165.000	4°45'49"	6.863



**AECOM**  
 Certificate of Authorization  
 AECOM Canada Ltd.  
 No. 4671 Date: July 15, 2009  
 BID OPPORTUNITY NO. 368-2009

**LOCATION APPROVED**  
 UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES DATE COMMITTEE

**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.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	09/07/15	DID
		Y/M/M/D	

**AECOM**

DESIGNED BY: WRJ  
 CHECKED BY: RPB  
 DRAWN BY: DID  
 APPROVED BY: TGS

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

RELEASED FOR CONSTRUCTION  
 DATE: July 15, 2009

PROFESSIONAL'S SEAL  
 PROVINCE OF MANITOBA  
 R. P. BRUCE  
 REGISTERED PROFESSIONAL ENGINEER  
 CONSULTANT DRAWING NO.  
 0285-411-00\_03-CT1002\_RX.dwg

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

**INKSTER BOULEVARD WIDENING PROJECT**  
 BROOKSIDE BOULEVARD TO KEEWATIN STREET  
 HORIZONTAL GEOMETRY  
 BROOKSIDE BOULEVARD TO STA 1+970NM

CITY DRAWING NUMBER: P-3301-2  
 SHEET: 2 OF 31  
 DRAWING No.: 2  
 REV: 0

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