

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 30												
STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION		INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES
					EXISTING	PROPOSED						
DI-15	900Øx1.200DP SD-025	DITCH INLET GRATE	2+966.652	17.038 L/NM		33.188 TOP/GRATE				300Ø 32.088	31.488	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER
CP-18	900Øx0.460DP SD-023	AP-008, AP-009	2+964.652	8.000 L/NM		33.573				250Ø 32.613	32.613	
CB-21	900Øx1.800DP SD-024	AP-008, AP-009	2+966.652	8.000 L/NM		33.563	300Ø 31.949	250Ø 32.583 150Ø 32.126	375Ø 31.863	250Ø 32.583 150Ø 32.126	31.263	
CP-19	900Øx0.460DP SD-023	AP-008, AP-009	2+968.652	8.000 L/NM		33.573				250Ø 32.613	31.613	
CP-20	900Øx0.460DP SD-023	AP-008, AP-009	2+964.652	16.500 R/NM		33.583				250Ø 32.613	32.613	
CB-22	900Øx1.800DP SD-025	AP-008, AP-009	2+966.652	16.500 R/NM		33.563	375Ø 31.863	250Ø 32.583 150Ø 32.126		250Ø 32.583 150Ø 32.126	31.613	
CP-21	900Øx0.460DP SD-023	AP-008, AP-009	2+968.652	16.500 R/NM		33.573				250Ø 32.613	32.613	
MH.9	1500Øx1.830 DP MH BASE (SD-010)	AP-004, AP-005	2+970.000	6.000 R/NM		33.653	375Ø 31.725		375Ø 31.725	600Ø 31.500	31.500	
DI-16	900Øx1.200DP SD-025	DITCH INLET GRATE	2+972.000	4.250 R/NM		33.362 TOP/GRATE				250Ø 32.262	31.662	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 31													
STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION		INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES	DETAILED SSP DATA @ EX 600 FM CROSSING LOCATIONS
					EXISTING	PROPOSED							
MH-10	* 1200Øx1800 LONG (SD-011)	AP-004, AP-005	3+050.000	6.000 R/NM		34.147		600Ø 31.085		600Ø 31.085	31.085	* ON SITE (SUPPLIED BY OTHERS)	
CP-22	900Øx0.460DP SD-023	AP-008, AP-009	3+158.312	16.500 R/NM		34.005				250Ø 33.045	33.045		
CB-23	900Øx1.800DP SD-024	AP-008, AP-009	3+163.312	16.500 R/NM		33.980	300Ø 32.280	250Ø 32.970 150Ø 32.543			31.680	SSP CROSSES 600 FM - 600 FM INV 30.432 300 SSP INV @ 600 FM 31.659	
MH-11	1500Øx1.830 DP MH BASE (SD-010)	AP-004, AP-005	3+163.312	6.000 R/NM		34.190		600Ø 30.497	300Ø 30.797	750Ø 30.371	30.371		
DI-17	900Øx1.200DP SD-025	DITCH INLET GRATE	3+180.000	18.038 L/NM		33.170 TOP/GRATE			300Ø 32.070		31.470	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER	
CB-24	900Øx1.800DP SD-024	AP-008, AP-009	3+186.469	8.000 L/NM		33.864	300Ø 31.864	150Ø 32.427	300Ø 31.864	250Ø 32.804	31.264	C/W 900Ø x 0.310 RISER	
DI-18	900Øx1.200DP SD-025	DITCH INLET GRATE	3+185.000	2.500 R/NM		33.886 TOP/GRATE				250Ø 32.786	32.786	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER	
CP-23	900Øx0.460DP SD-023	AP-008, AP-009	3+191.469	8.000 L/NM		33.839		250Ø 32.879			32.879		
CB-25	900Øx1.800DP SD-024	AP-008, AP-009	3+235.000	13.633 L/NM		33.286			250Ø 31.586	150Ø 31.849	30.986		
DI-19	900Øx1.200DP SD-025	DITCH INLET GRATE	3+280.000	17.038 L/NM		33.000 TOP/GRATE			250Ø 31.900		31.300		
* MH-12	1200Øx1800 LONG (SD-011)	AP-004, AP-005	3+283.290	5.889 R/NM	34.470	33.669	250Ø 30.661	750Ø 30.186	300Ø 30.666	750Ø 30.186	30.186		
* CB-26	900Øx1.800DP SD-024	AP-008, AP-009	3+283.748	16.500 R/NM		33.326	300Ø 31.686	150Ø 31.889		250Ø 32.346 150Ø 31.889	31.086	SSP CROSSES 600 FM - 600 FM INV 30.303 300 SSP INV @ 600 FM 31.478	10.2 OF 300 SSP @ 4.62% S OF EX 600 FM & 22.91% N OF EX 600 FM
CP-24	900Øx0.460DP SD-023	AP-008, AP-009	3+285.748	16.500 R/NM		33.336		250Ø 32.376			32.376		

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 32													
STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION		INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES	DETAILED SSP DATA @ EX 600 FM CROSSING LOCATIONS
					EXISTING	PROPOSED							
CP-25	900Øx0.460DP SD-023	AP-008, AP-009	3+306.264	8.000 L/NM		33.119				250Ø 32.159	32.159		
CB-27	900Øx1.800DP SD-024	AP-008, AP-009	3+308.264	8.000 L/NM		33.109		250Ø 32.129 150Ø 31.672	300Ø 31.409	150Ø 31.672	30.809		
* MH-13	1200Øx1800 LONG (SD-011)	AP-004, AP-005	3+373.200	6.177 R/NM	34.070	33.593		750Ø 30.012		750Ø 30.012	30.012		
CB-28	900Øx1.800DP SD-024	AP-008, AP-009	3+460.000	8.000 L/NM		32.767		150Ø 31.330	300Ø 31.067	250Ø 31.787 150Ø 31.330	30.467		
DI-20	900Øx1.200DP SD-025	DITCH INLET GRATE	3+458.000	4.250 R/NM		32.696				250Ø 31.596	30.996	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER	
CP-26	900Øx0.460DP SD-023	AP-008, AP-009	3+462.000	8.000 L/NM		32.777		250Ø 31.817			31.817		
* MH-14	1200Øx1800 LONG (SD-011)	AP-004, AP-005	3+459.983	6.150 R/NM	33.930	33.090	300Ø 30.320 250Ø 30.360	750Ø 29.920	300Ø 30.320	750Ø 29.920	29.920		
* CB-29	900Øx1.800DP SD-024	AP-008, AP-009	3+459.928	16.500 R/NM	33.247	33.107	300Ø 31.467	150Ø 31.670		250Ø 32.127 150Ø 31.670	30.867	SSP CROSSES 600 FM - 600 FM INV = 29.941 300 SSP INV @ 600 FM = 31.120	10.3 OF 300 SSP @ 7.71% S OF EX 600 FM & 52.22% N OF EX 600 FM
CP-27	900Øx0.460DP SD-023	AP-008, AP-009	3+462.000	16.500 R/NM		33.117		250Ø 32.157			32.157		
* MH-15	2100Øx1.830 DP MH BASE (SD-010)	AP-004, AP-005	3+528.516	5.589 R/NM	33.870	33.424	1050Ø 28.097	750Ø 28.400	1050Ø 28.097	750Ø 28.420	28.097		

NOTE:
 1. (*) STRUCTURE HAS BEEN PREVIOUSLY INSTALLED AND NOT IN THIS CONTRACT.
 2. EX STRUCTURES MAY REQUIRE ADJUSTMENT.

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	10/04/21	KMB
		11/11/2010	

AECOM

DESIGNED BY: DME
 CHECKED BY: [Signature]
 DRAWN BY: WJD
 APPROVED BY: [Signature]
 HOR. SCALE: 1:500
 VERT. SCALE: 1:50
 DATE: 10/04/19

PROFESSIONAL'S SEAL
 PROVINCE OF MANITOBA
 REGISTERED PROFESSIONAL ENGINEER
 A. NAGY
 April 19, 2010
 CONSULTANT DRAWING NO.
 0285-411-00_02-C-6003_RX.dwg

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

APEGM
 Certificate of Authorization
 AECOM Canada Ltd.
 No. 4671 Date: 10/04/19

BID OPPORTUNITY NO. 232-2010

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

INKSTER BOULEVARD WIDENING PROJECT
BROOKSIDE BOULEVARD TO KEEWATIN STREET
 LAND DRAINAGE SYSTEM
 STRUCTURE & LOCATION SCHEDULES 3

CITY DRAWING NUMBER: P-3301-70
 SHEET 38 OF 82
 DRAWING No. 1-38 REV 0