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

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 28

	STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION EXISTING	RIM ELEVATION PROPOSED	INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES	DETAILED SSP DATA @ EX 600 FM CROSSING LOCATIONS
*	MH-3	1500Øx1.830 DP MH BASE(SD-010)	AP-004, AP-005	2+317.941	23.865 R/NM	35.945	35.770		900Ø 29.438		900Ø 29.438	29.433		
*	MH-4	1200Øx1800 LONG (SD-011)	AP-004, AP-005	2+423.136	23.833 R/NM	35.150	35.089	375Ø 29.570	900Ø 29.318		900Ø 29.318	29.318		
	DI-7	900Øx1.200DP SD-025	DITCH INLET GRATE	2+405.000	2.500 R/NM		35.036			250Ø 33.936		33.336	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER - SSP CROSSES 600 FM - 600 FM INV 31.260 250 SSP INV @ 600 FM 32.435	21.0 OF 250 SSP @ 55.92% S OF EX 600 FM & 9.69% N OF EX 600 FM
	CP-12	900Øx0.460DP SD-023	AP-008, AP-009	2+415.000	16.500 R/NM		34.931				250Ø 33.971	33.971		
*	CB-14	900Øx1.800DP SD-024	AP-008, AP-009	2+420.000	16.500 R/NM	34.703	34.906		250Ø 33.896 150Ø 33.469	300Ø 33.266		32.666	SSP CROSSES 600 FM - 600 FM INV 31.177 300 SSP INV @ 600 FM 32.352	7.4 OF 300 SSP @ 49.30% S OF EX 600 FM & 38.08% N OF EX 600 FM
*	DI-8	900Øx1.800DP SD-025	DITCH INLET GRATE	2+422.307	18.489 L/NM	33.780	33.700 TOP/GRATE			375Ø 31.080	375Ø 32.080	31.450	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER - SSP CROSSES 600 FM - 600 FM INV 31.167 375 SSP INV @ 600 FM 29.717	42.0 OF 375 SSP @ 3.54% S OF EX 600 FM & 6.26% N OF EX 600 FM
	DI-9	900Øx1.200DP SD-025	DITCH INLET GRATE	2+439.392	18.485 L/NM		33.700 TOP/GRATE		375Ø 32.600	300Ø 32.725		32.000	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER	
	CB-15	900Øx1.800DP SD-024	AP-008, AP-009	2+438.359	11.000 L/NM		34.754	300Ø 33.054	150Ø 33.317		250Ø 33.734 150Ø 33.317	32.454		
	CP-13	900Øx0.460DP SD-023	AP-008, AP-009	2+440.806	9.330 L/NM		34.739		250Ø 33.779			33.779		
*	MH-5	1200Øx1800 LONG (SD-011)	AP-004, AP-005	2+439.274	23.805 R/NM	34.770	34.754		900Ø 29.212	450Ø 29.917	900Ø 29.212	29.212		
*	CB-16	900Øx1.800DP SD-024	AP-008, AP-009	2+473.808	22.589 R/NM		34.392			250Ø 32.752		32.152		
	DI-10	900Øx1.200DP SD-025	DITCH INLET GRATE	2+473.000	16.038 L/NM		34.400 TOP/GRATE			300Ø 33.300		32.700	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER - SSP CROSSES 600 FM - 600 FM INV 31.241 300 SSP INV @ 600 FM 32.416	39.8 OF 300 SSP @ 57.00% S OF EX 600 FM & 3.87% N OF EX 600 FM
	CB-17	900Øx1.800DP SD-024	AP-008, AP-009	2+497.386	8.000 L/NM		34.418		150Ø 32.981	300Ø 32.718	250Ø 33.438 150Ø 32.981	32.118	SSP CROSSES 600 FM - 600 FM INV 31.249 300 SSP INV @ 600 FM 32.424	31.5 OF 300 SSP @ 53.62% S OF EX 600 FM & 1.36% N OF EX 600 FM
	DI-11	900Øx1.200DP SD-025	DITCH INLET GRATE	2+500.000	6.000 R/NM		34.424 TOP/GRATE			250Ø 33.324		32.724	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER - SSP CROSSES 600 FM - 600 FM INV 31.248 250 SSP INV @ 600 FM 32.423	17.1 OF 250 SSP @ 63.63% S OF EX 600 FM & 7.61% N OF EX 600 FM
	CP-14	900Øx0.460DP SD-023	AP-008, AP-009	2+499.386	8.000 L/NM		34.428		250Ø 33.468			33.468		
	CP-15	900Øx0.460DP SD-023	AP-008, AP-009	2+505.500	20.000 R/NM		34.409				250Ø 33.449	33.449		
*	CB-18	900Øx1.800DP SD-024	AP-008, AP-009	2+507.500	20.000 R/NM	234.283	34.399		250Ø 33.419 150Ø 32.962	300Ø 32.759	150Ø 32.962	32.159		
	DI-12	900Øx1.200DP SD-025	DITCH INLET GRATE	2+520.000	18.038 L/NM		33.630 TOP/GRATE		300Ø 32.610	300Ø 32.530		31.930	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER - SSP CROSSES 600 FM - 600 FM INV 31.245 300 SSP INV @ 600 FM 29.870	41.5 OF 300 SSP @ 4.90% S OF EX 600 FM & 8.27% N OF EX 600 FM

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 29

	STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION EXISTING	RIM ELEVATION PROPOSED	INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES	DETAILED SSP DATA @ EX 600 FM CROSSING LOCATIONS
*	MH-6	1200Øx1800 LONG (SD-011)	AP-004, AP-005	2+546.587	23.630 R/NM	34.732	34.960		900Ø 29.050		900Ø 29.050	29.050		
*	MH-7	1200Øx1800 LONG (SD-011)	AP-004, AP-005	2+656.509	23.122 R/NM	34.877	34.973		900Ø 28.900		900Ø 28.900	28.900		
	CP-16	900Øx0.460DP SD-023	AP-008, AP-009	2+703.000	16.500 R/NM		34.266				250Ø 33.306	33.306		
*	CB-19	900Øx1.800DP SD-024	AP-008, AP-009	2+705.140	16.529 R/NM	34.195	34.256		250Ø 33.276 150Ø 32.819	300Ø 32.616	150Ø 32.819		SSP CROSSES 600 FM - 600 FM INV 31.201 300 SSP INV @ 600 FM 32.376	7.3 OF 300 SSP @ 66.92% S OF EX 600 FM & 9.60% N OF EX 600 FM
	CP-17	900Øx0.460DP SD-023	AP-008, AP-009	2+703.000	8.000 L/NM		34.266				250Ø 33.306	33.306		
	CB-20	900Øx1.800DP SD-024	AP-008, AP-009	2+705.000	8.000 L/NM		34.256		250Ø 33.276 150Ø 32.819	300Ø 32.556	150Ø 32.819	31.956	SSP CROSSES 600 FM 0 600 FM INV 31.200 300 SSP INV @ 600 FM 32.375	31.3 OF 300 SSP @ 60.64% S OF EX 600 FM & 0.93% N OF EX 600 FM
	DI-13	900Øx1.200DP SD-025	DITCH INLET GRATE	2+700.000	4.250 R/NM		34.056 TOP/GRATE			250Ø 32.956		32.356	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER - SSP CROSSES 600 FM - 600 FM INV 31.202 250 SSP INV @ 600 FM 32.377	18.8 OF 250 SSP @ 73.95% S OF EX 600 FM & 4.34% N OF EX 600 FM
*	MH.8	2100Øx1.830 DP MH BASE(SD-010)	AP-004, AP-005	2+767.299	24.120 R/NM	34.515	34.529	EX 900Ø 28.761	900Ø 28.761	EX 900Ø 28.761	250Ø 29.821	28.761		
	DI-14	900Øx1.200DP SD-025	DITCH INLET GRATE	2+775.000	19.438 L/NM		33.375 TOP/GRATE			250Ø 32.275		31.675	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER - SSP CROSSES 600 FM - 600 FM INV 31.171 250 SSP INV @ 600 FM 29.753	

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

AECOM
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AECOM Canada Ltd.
No. 4671 Date: 10/04/19

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

BID OPPORTUNITY NO. 232-2010

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.

BM ELEV

NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	10/04/21	KMB

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DATE	10/04/19	DATE	April 19 2010

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
A. NAGY
April 19, 2010
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
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Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

INKSTER BOULEVARD WIDENING PROJECT BROOKSIDE BOULEVARD TO KEEWATIN STREET

LAND DRAINAGE SYSTEM
STRUCTURE & LOCATION SCHEDULES 2

CITY DRAWING NUMBER P-3301-69
SHEET 37 OF 82
DRAWING No. 1-37
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