MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 24

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
MH-16	1200Øx1800 LONG (SD-011)	AP-004, AP-005	3+644.000	6.000 L/NM	33.279		750Ø 28.600		750Ø 28.600	28.600		
~~CB-30~~	~~900Øx1.800DP SD-024~~	~~AP-008, AP-009~~	~~3+732.500~~	~~8.000 L/NM~~	~~32.530~~		~~150Ø 31.093~~	~~300Ø 30.890~~	250Ø 31.580 150Ø 31.093	~~30.290~~		
~~CP-28~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~3+737.500~~	~~8.000 L/NM~~	~~32.505~~		~~250Ø 31.655~~			~~31.605~~		
DI-21	900Øx1.200DP SD-025	DITCH INLET GRATE	3+735.000	4.250 R/NM	32.435			250Ø 31.385		30.785	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER	
CB-31	900Øx1.800DP SD-024	AP-008, AP-009	3+732.500	16.500 R/NM	32.870	300Ø 31.230	150Ø 31.433		250Ø 31.917 150Ø 31.433	30.630	SSP CROSSES 600 FM - 600 FM INV = 29.385 300 SSP INV @ 600 FM = 30.560	10.2 OF 300 SSP @ 14.89% S OF EX 600 FM & 27.90% N OF EX 600 FM
~~CP-29~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~3+737.500~~	~~16.500 R/NM~~	~~32.842~~		~~250Ø 31.992~~			~~31.942~~		
MH-17	1350Øx1.830 DP MH BASE (SD-010)	AP-004, AP-005	3+759.000	6.000 R/NM	32.702		750Ø 28.750		750Ø 28.750	28.750		

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 25

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
MH-18	1350Øx1.830 DP MH BASE(SD-010)	AP-004, AP-005	3+840.103	2.594 R/NM	32.139		750Ø 28.856		750Ø 28.856	28.856		
~~CP-30~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~3+888.000~~	~~8.000 L/NM~~	~~31.752~~				~~250Ø 30.902~~	~~30.852~~		
CB-32	900Øx1.800DP SD-024	AP-008, AP-009	3+890.000	8.000 L/NM	31.742		250Ø 30.872 150Ø 30.305	375Ø 30.102	250Ø 30.872 150Ø 30.305	30.502		
DI-22	900Øx1.200DP SD-025	DITCH INLET GRATE	3+892.000	5.283 R/NM	31.572 TOP/GRATE	250Ø 30.522				29.922	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER	
~~CP-31~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~3+891.997~~	~~8.000 L/NM~~	~~31.752~~		~~250Ø 30.902~~			~~30.852~~		
MH-19	1200Øx1800 LONG (SD-011)	AP-004, AP-005	3+923.730	3.467 R/NM	31.899		750Ø 28.965	375Ø 29.340	450Ø 29.179	28.965		
~~CP-32~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~3+920.962~~	~~23.596 R/NM~~	~~31.810~~				~~250Ø 30.968~~	~~30.918~~		
CB-33	900Øx1.800DP SD-024	AP-008, AP-009	3+931.307	23.596 R/NM	31.806	375Ø 30.166	250Ø 30.934 150Ø 30.369		250Ø 30.892 150Ø 30.369	29.566	SSP CROSSES 600 FM - 600 FM INV = 28.964 375 SSP INV @ 600 FM = 29.939 - **CAUTION:** ONLY 0.300 ABOVE TOP OF EX 600 FM	21.0 OF 375 SSP @ 2.16% S OF EX 600 FM & 5.70% N OF EX 600 FM
~~CP-33~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~3+934.462~~	~~23.596 R/NM~~	~~31.790~~		~~250Ø 30.940~~			~~30.890~~		

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - KING EDWARD STREET NORTH

STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION	INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES
CP-34	900Øx0.460DP SD-023	AP-008, AP-009	3+206.188	95.898 L/NM	32.935	250Ø 32.085				32.035	
CB-34	900Øx1.200DP SD-024	AP-008, AP-009	3+206.442	97.882 L/NM	32.925	300Ø 31.885		250Ø 32.055		31.285	
DI-23	900Øx1.200DP SD-025	DITCH INLET GRATE	3+203.620	119.913 L/NM	32.500 TOP/GRATE			300Ø 31.450	300Ø 31.450	30.850	C/W 900Ø:760Øx0.300 FLAT TOP REDUCER

MANHOLE, CATCHBASIN & CATCH PIT - STRUCTURE & LOCATION SCHEDULE - BROOKSIDE BOULEVARD

STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION	INVERT	BOTTOM ELEVATION	STREET
CB-1	900Øx1.200DP SD-024	AP-008, AP-009	1+116.066	3.500	35.714	250 E 34.800	34.200	BROOKSIDE BOULEVARD SOUTH
MH-20	1500Øx1.200 DP MH BASE	AP-004, AP-005	1+345.557	9.931	36.320	INV E, W & S 34.687	34.687	BROOKSIDE BOULEVARD SOUTH - C/W 1500Ø: 760Ø x 0.300 FLAT TOP REDUCER

NOTE:
1. IF STRUCTURE DATA IS CROSSED OUT, THE STRUCTURE IS NOT IN THIS CONTRACT BUT WILL BE INSTALLED IN A FUTURE CONTRACT.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
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 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	09/07/15	WJD

AECOM

DESIGNED BY	DME	CHECKED BY	
DRAWN BY	WJD	APPROVED BY	
HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	
VERT. SCALE	1:50		
DATE	09/07/15	DATE	July 15, 2009

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
A. NAGY
July 15, 2009
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
0265-411-00_01-C-6004_RX.dwg

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 4

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

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