

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 21											
STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION	INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES
DI-15	9000x1.200DP SD-025	DITCH INLET GRATE	2+900.052	17.030 L/NM	33.188 TOP/GRATE			3000 32.130		31.530	CW 9000x7000x0.300 FLAT TOP REDUCER
CP-18	9000x0.400DP SD-023	AP-008, AP-009	2+904.052	0.000 L/NM	33.573				2500 32.723	32.073	
CB-21	9000x1.800DP SD-024	AP-008, AP-009	2+908.652	0.000 L/NM	33.563	9000 31.980	2500 32.693 1500 32.126	9750 31.923	2500 32.693 1500 32.126	31.923	
CP-19	9000x0.400DP SD-023	AP-008, AP-009	2+908.652	0.000 L/NM	33.573			2500 32.723		31.742	
CP-20	9000x0.400DP SD-023	AP-008, AP-009	2+904.052	10.500 R/NM	33.573				2500 32.723	32.073	
CB-22	9000x1.800DP SD-025	AP-008, AP-009	2+906.652	16.500 R/NM	33.563	9750 31.923	2500 32.693 1500 32.126		2500 32.693 1500 32.126	32.673	
CP-21	9000x0.400DP SD-023	AP-008, AP-009	2+908.652	10.500 R/NM	33.573			2500 32.723		31.923	
MH-3	12000x1800 LONG (SD-011)	AP-004, AP-005	2+970.000	0.000 R/NM	33.653	3750 31.725		3750 31.725	0000 31.900	32.073	
DI-16	9000x1.200DP SD-025	DITCH INLET GRATE	2+972.000	4.250 R/NM	33.302 TOP/GRATE			2500 32.312		31.500	CW 9000x7000x0.300 FLAT TOP REDUCER

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 22												
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-10	12000x1800 LONG (SD-011)	AP-004, AP-005	3+050.000	0.000 R/NM	34.147		6000 31.085		6000 31.085	31.085		
CP-22	9000x0.400DP SD-023	AP-008, AP-009	3+150.312	16.500 R/NM	34.805				2500 33.155	33.105		
CB-23	9000x1.800DP SD-024	AP-008, AP-009	3+163.312	16.500 R/NM	33.900	3000 32.340	2500 33.080 1500 32.543			31.740	SSP CROSSES 600 FM - 600 FM INV 30.432 300 SSP INV @ 600 FM 31.659	
MH-11	12000x1800 LONG (SD-011)	AP-004, AP-005	3+163.312	0.000 R/NM	34.190		6000 30.407	3000 30.797	7500 30.347	30.347		
DI-17	9000x1.200DP SD-025	DITCH INLET GRATE	3+180.000	16.030 L/NM	33.170 TOP/GRATE			3000 32.120		31.520	CW 9000x7000x0.300 FLAT TOP REDUCER	
CB-24	9000x2.100DP SD-024	AP-008, AP-009	3+186.400	0.000 L/NM	33.804	3000 31.924	1500 32.427	3000 31.924	2500 32.914	32.324	CW 9000 x 0.310 RIGER	
DI-18	9000x1.200DP SD-025	DITCH INLET GRATE	3+185.000	2.500 R/NM	33.880 TOP/GRATE			2500 32.030		32.230	CW 9000x7000x0.300 FLAT TOP REDUCER	
CP-23	9000x0.400DP SD-023	AP-008, AP-009	3+191.400	0.000 L/NM	33.839			2500 32.909		32.939		
CB-25	9000x1.800DP SD-024	AP-008, AP-009	3+235.000	13.633 L/NM	33.286			2500 31.646	1500 31.040	31.046		
DI-19	9000x1.200DP SD-025	DITCH INLET GRATE	3+200.000	17.030 L/NM	33.000 TOP/GRATE			2500 31.950		31.950		
MH-12	12000x1800 LONG (SD-011)	AP-004, AP-005	3+283.748	6.000 R/NM	33.669	2500 30.222	7500 29.722	3000 30.172	7500 29.722	29.722		
CB-26	9000x1.800DP SD-024	AP-008, AP-009	3+283.748	16.500 R/NM	33.326	3000 31.686	1500 31.889		2500 32.456 1500 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	9000x0.400DP SD-023	AP-008, AP-009	3+285.748	10.500 R/NM	33.330			2500 32.400		32.430		

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 23												
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
CP-25	9000x0.400DP SD-023	AP-008, AP-009	3+300.204	0.000 L/NM	33.119				2500 32.209	32.219		
CB-27	9000x1.800DP SD-024	AP-008, AP-009	3+300.204	0.000 L/NM	33.109		2500 32.239 1500 31.672	3000 31.409	1500 31.672	30.860		
MH-13	12000x1800 LONG (SD-011)	AP-004, AP-005	3+372.748	6.000 R/NM	33.593		7500 29.280		7500 29.280	29.280		
CB-28	9000x1.800DP SD-024	AP-008, AP-009	3+400.000	0.000 L/NM	32.707		1500 31.330	3000 31.127	2500 31.897 1500 31.330	30.527		
DI-20	9000x1.200DP SD-025	DITCH INLET GRATE	3+450.000	4.250 R/NM	32.690			2500 31.040			CW 9000x7000x0.300 FLAT TOP REDUCER	
CP-26	9000x0.400DP SD-023	AP-008, AP-009	3+462.000	0.000 L/NM	32.777			2500 31.927		31.877		
MH-14	12000x1800 LONG (SD-011)	AP-004, AP-005	3+461.200	6.000 R/NM	33.090	3000 29.251	7500 28.801	3000 29.251	7500 28.801	28.801		
CB-29	9000x1.800DP SD-024	AP-008, AP-009	3+460.000	16.500 R/NM	33.107	3000 31.467	1500 31.670		2500 32.237 1500 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	9000x0.400DP SD-023	AP-008, AP-009	3+462.000	10.500 R/NM	33.117			2500 32.207		32.217		
MH-15	21000x1.830 DP MH BASE (SD-010)	AP-004, AP-005	3+529.236	6.000 R/NM	33.424	10500 28.150	7500 28.450	10500 28.150	7500 28.450	28.150		

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

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.

NO.	ISSUED FOR CONSTRUCTION	DATE	BY
0	ISSUED FOR CONSTRUCTION	09/07/15	WJD
	REVISIONS	YYMMDD	BY

AECOM

DESIGNED BY: DME
DRAWN BY: WJD
HOR. SCALE: 1:500
VERT. SCALE: 1:50
DATE: 09/07/15

CHECKED BY: [Signature]
APPROVED BY: [Signature]
RELEASED FOR CONSTRUCTION: [Signature]
DATE: July 15, 2015

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PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER
A. NAGY
July 15, 2015

CONSULTANT DRAWING NO.
0285-411-00_01-C-6003_RX.dwg

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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-3301-30
SHEET 30 OF 31
DRAWING No. 30 REV 0

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: July 15, 2014
BID OPPORTUNITY NO. 368-2009