MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 16

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-1~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+545.000~~	~~9.000 L/NM~~	~~36.105~~	~~250Ø 35.255~~				~~35.205~~	
~~CP-2~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+545.000~~	~~17.737 R/NM~~	~~36.105~~			~~250Ø 35.255~~		~~35.205~~	
~~CB-2~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~1+559.479~~	~~24.750 R/NM~~	~~35.965 TOP/GRATE~~	~~250Ø 34.965~~		~~300Ø 34.915~~		~~34.315~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER INV @ DITCH = 34.884~~
~~CB-3~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~1+554.015~~	~~10.420 L/NM~~	~~36.225 TOP/GRATE~~	~~300Ø 35.175~~		~~250Ø 35.225~~		~~34.575~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER INV @ DITCH = 35.149~~
~~CB-4~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~1+596.981~~	~~23.321 R/NM~~	~~35.500 TOP/GRATE~~			~~300Ø 34.450~~		~~33.850~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER INV @ DITCH = 34.410~~
~~CB-5~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~1+597.282~~	~~15.042 L/NM~~	~~35.060 TOP/GRATE~~	~~300Ø 34.010~~				~~34.010~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER INV @ DITCH = 34.560~~
~~MH-1~~	~~1200Øx1800 LONG (SD-011)~~	~~AP-004, AP-005~~	~~1+655.000~~	~~7.750 R/NM~~	~~36.882~~	~~600Ø 33.047~~		~~900Ø 32.747~~	~~900Ø 32.747~~	~~32.747~~	
~~CP-3~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+700.000~~	~~16.500 R/NM~~	~~35.965~~				~~250Ø 34.515~~	~~34.465~~	
~~CB-6~~	~~900Øx1.800DP SD-024~~	~~AP-008, AP-009~~	~~1+710.000~~	~~16.500 R/NM~~	~~35.353~~	~~300Ø 33.713~~	~~250Ø 34.485 150Ø 33.916~~		~~150Ø 33.916~~	~~33.113~~	
~~CP-4~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+715.000~~	~~11.500 L/NM~~	~~35.908~~		~~250Ø 34.450~~			~~34.408~~	
~~CB-7~~	~~900Øx1.800DP SD-024~~	~~AP-008, AP-009~~	~~1+713.000~~	~~11.500 L/NM~~	~~35.318~~		~~150Ø 33.881~~	~~300Ø 33.678~~	~~250Ø 34.428 150Ø 33.881~~	~~33.078~~	

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 17

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-1~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~1+859.411~~	~~16.530 L/NM~~	~~35.160 TOP/GRATE~~			~~250Ø 34.050~~		~~33.450~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER~~
~~CP-5~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+857.411~~	~~8.000 L/NM~~	~~35.450~~				~~250Ø 34.600~~	~~34.550~~	
~~CB-8~~	~~900Øx1.800DP SD-024~~	~~AP-008, AP-009~~	~~1+859.411~~	~~8.000 L/NM~~	~~35.460~~	~~250Ø 33.850~~	~~250Ø 34.570 150Ø 34.023~~	~~300Ø 33.820~~	~~150Ø 34.023~~	~~33.220~~	
~~DI-2~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~1+861.500~~	~~4.250 R/NM~~	~~35.242 TOP/GRATE~~			~~250Ø 34.192~~		~~33.592~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER~~
~~CP-6~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+861.116~~	~~16.500 R/NM~~	~~35.319~~		~~250Ø 34.469~~			~~34.419~~	
~~CB-9~~	~~900Øx1.800DP SD-024~~	~~AP-008, AP-009~~	~~1+859.116~~	~~16.500 R/NM~~	~~35.329~~	~~300Ø 33.680~~	~~150Ø 33.892~~		~~250Ø 34.439 150Ø 33.892~~	~~33.089~~	

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET - STRUCTURE AND LOCATION SCHEDULE - SHT 18

STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION	INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES
CB-10	900Øx1.800DP SD-024	AP-008, AP-009	1+985.000	16.500 R/NM	35.512	300Ø 33.872	150Ø 34.075		250Ø 34.844 150Ø 34.075	33.272	
~~DI-3~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~1+989.000~~	~~2.500 R/NM~~	~~35.559 TOP/GRATE~~			~~250Ø 34.569~~		~~33.969~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER~~
~~CP-7~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+987.000~~	~~16.500 R/NM~~	~~35.524~~		~~250Ø 34.674~~			~~34.624~~	
~~CB-11~~	~~900Øx1.800DP SD-024~~	~~AP-008, AP-009~~	~~1+985.000~~	~~0.457 L/NM~~	~~35.504~~		~~150Ø 34.067~~	~~300Ø 33.864~~	~~250Ø 34.376~~	~~33.864~~	
~~CP-8~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~1+997.050~~	~~12.000 L/NM~~	~~35.427~~		~~250Ø 34.577~~			~~34.527~~	
~~CP-9~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~2+047.000~~	~~16.864 L/NM~~	~~35.050~~				~~250Ø 34.600~~	~~34.000~~	
~~DI-4~~	~~900Øx1.800DP SD-025~~	~~DITCH INLET GRATE~~	~~2+050.000~~	~~16.570 L/NM~~	~~35.650 TOP/GRATE~~		~~250Ø 34.755~~	~~300Ø 34.000~~	~~150Ø 34.213~~	~~33.400~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER~~
~~DI-5~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~2+051.500~~	~~4.250 R/NM~~	~~35.670 TOP/GRATE~~			~~250Ø 34.620~~		~~34.020~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER~~
~~CP-10~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~2+215.500~~	~~8.000 L/NM~~	~~35.420~~				~~250Ø 34.570~~	~~34.520~~	
~~CB-12~~	~~900Øx1.800DP SD-024~~	~~AP-008, AP-009~~	~~2+217.500~~	~~8.000 L/NM~~	~~35.408~~		~~250Ø 34.540 150Ø 33.971~~	~~300Ø 33.768~~	~~150Ø 33.971~~	~~33.168~~	
~~DI-6~~	~~900Øx1.200DP SD-025~~	~~DITCH INLET GRATE~~	~~2+215.500~~	~~2.500 R/NM~~	~~35.405 TOP/GRATE~~			~~250Ø 34.355~~		~~33.755~~	~~C/W 900Ø:760Øx0.300 FLAT TOP REDUCER~~
~~CP-11~~	~~900Øx0.460DP SD-023~~	~~AP-008, AP-009~~	~~2+215.500~~	~~16.500 R/NM~~	~~35.420~~				~~250Ø 34.570~~	~~34.520~~	
CB-13	900Øx1.800DP SD-024	AP-008, AP-009	2+217.500	16.500 R/NM	35.408	300Ø 33.768	250Ø 34.540 150Ø 33.971		150Ø 33.971	33.168	

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-6001_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 1

CITY DRAWING NUMBER P-3301-28
SHEET 28 OF 31
DRAWING No. 28 REV 0

AECOM REVIEW | DRFT CHK