

C2-CU-022

**MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET
STRUCTURE AND LOCATION TABLE**

STRUCTURE NAME	DESCRIPTION	FRAME & COVER	NORTHING	EASTING	EX RIM ELEV	PROP RIM ELEV	INV NORTH	INV SOUTH	INV EAST	INV WEST	BOTTOM ELEV	CB LEAD	SPECIAL FEATURES
CB.6	SD-024 CB		5523237.7280	630873.3354		232.341	N 230.539 NE 231.843	231.576			230.10	2.5m OF 250 SSP @ 1.98%	
CB.85	SD-024 CB		5522997.4444	630903.0078		232.009				230.969	230.37	10.2m OF 300 SSP @ 1.50%	
CB.86	SD-024 CB		5523079.5204	630907.2324		232.209				231.169	229.97	21.6m OF 300 SSP @ 1.00%	
CB.88	SD-024 CB		5523184.1792	630954.0580		232.381	230.741				230.05	11.7m OF 250 SSP @ 1.50%	
CB.89	SD-024 CB		5523215.8998	630929.3447		232.531	NE 231.230 NW 231.666	SE 230.181			230.48	16.2m OF 250 SSP @ 1.50%	
CB.111	SD-024 CB		5523196.0293	630938.7817		232.579	230.960		230.939		230.34	17.0m OF 300 SSP @ 1.50%	
CB.130	SD-024 CB		5523189.5492	630874.5569		232.423		SE 230.752		230.936	230.15	10.2m OF 300 SSP @ 1.50%	
CB.131	SD-024 CB		5523163.6026	630912.6626		232.518	NE 231.703	SE 231.340		230.863	230.26	7.8m OF 300 SSP @ 1.50%	
CB.132	SD-024 CB		5523123.4296	630872.1777		232.098			230.458		230.46	19.6m OF 250 SSP @ 0.81%	
CB.133	SD-024 CB		5523030.7696	630905.6091		232.057				231.017	230.42	19.9m OF 250 SSP @ 1.00%	
CB.183	SD-024 CB		5523193.6309	630855.0561		232.620	NW 230.993	231.455			230.38	13.2m OF 250 SSP @ 1.50%	
CB.184	SD-024 CB		5523211.9183	630869.9035		232.677				231.060	229.04	18.4m OF 250 SSP @ 1.50%	
CP.3	SD-023 CP		5523245.2181	630915.8274		232.536	231.524		231.236		231.24	2.5m OF 250 SSP @ 2.01%	
CP.4	SD-023 CP		5523247.7003	630915.9261		232.555		231.561			231.56	2.5m OF 250 SSP @ 2.01%	
CP.5	SD-023 CP		5523228.8723	630878.0678		232.584	NW 231.777				231.78	10.0m OF 250 SSP @ 2.00%	
CP.6	SD-023 CP		5523240.1042	630874.1727		232.362		SW 231.693			231.69	2.5m OF 250 SSP @ 1.98%	
CP.50	SD-023 CP		5523222.6256	630932.7374		232.368		SE 231.518			231.35	2.5m OF 250 SSP @ 2.00%	
CP.62	SD-023 CP		5523221.4979	630934.9738		232.349		SW 231.349		231.468	231.34	7.9m OF 250 SSP @ 1.50%	
CP.87	SD-023 CP		5523165.7269	630865.0710		232.087	NE 231.089				229.09	10.2m OF 300 SSP @ 1.50%	
CP.88	SD-023 CP		5523158.7756	630918.7876		232.307			231.457		229.46	7.8m OF 300 SSP @ 1.50%	
CP.96	SD-023 CP		5523182.3529	630848.2409		232.526	NE 231.653				229.46	13.2m OF 250 SSP @ 1.50%	
CP.97	SD-023 CP		5523183.6235	630920.7394		232.591		SW 231.919			229.91	21.6m OF 250 SSP @ 1.00%	
CP.106	SD-023 CP		5523223.8758	630915.2500		232.647		SE 231.828			229.83	16.2m OF 250 SSP @ 1.50%	

MANHOLE STRUCTURE AND LOCATION TABLE

STRUCTURE NAME	DESCRIPTION	NORTHING	EASTING	EX RIM ELEV	PROP RIM ELEV	BOTTOM ELEV
MH.L5	SD-010 1200 mm	5523273.8690	630928.8888		233.205	229.61
EX MH.L7	SD-010 1350 mm	5523243.7521	630873.2439		232.741	228.73
EX MH.L10	SD-010 1350 mm	5523213.4762	630851.4594		232.780	227.61
MH.L50	SD-010 1200 mm	5523195.7871	630955.7445		232.787	230.50
MH.L66	SD-010 1200 mm	5523197.4061	630851.6013		232.688	230.90
MH.L67 *	SD-010 1200 mm	5523247.6420	630899.6631		232.700	231.30

*BEEHIVE INLET

MANHOLE STRUCTURE AND LOCATION TABLE

STRUCTURE NAME	DESCRIPTION	NORTHING	EASTING	EX RIM ELEV	PROP RIM ELEV	BOTTOM ELEV
MH70001808	WWS MANHOLE	5523218.1370	630934.9190		232.815	228.27
MH70001885	LDS MANHOLE	5523093.6430	630890.0550		232.588	228.25
MH70001886	LDS MANHOLE	5523160.3960	630893.9500		232.744	230.10
MH70001889	LDS MANHOLE	5523007.9780	630886.2280		232.347	230.42
MH70001890	LDS MANHOLE	5522992.7210	630893.7750		232.241	231.10
MH70051514	LDS MANHOLE	5523018.2120	630884.8960		232.226	230.31

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MANHOLE STRUCTURE AND LOCATION TABLE

STRUCTURE NAME	DESCRIPTION	NORTHING	EASTING	EX RIM ELEV	PROP RIM ELEV	BOTTOM ELEV
MH.L22	BASE Ø 2400, HT 1800 TRANSITION 2400x1200	5523601.7025	630912.1886		228.680	224.35
MH.L23	BASE Ø 2400, HT 1800 TRANSITION 2400x1200	5523595.9132	630916.8514		228.303	224.34
MH.L24	BASE Ø 2400, HT 1800 TRANSITION 2400x1200	5523544.5492	630915.1673		226.897	224.30
MH.L25	BASE Ø 2400, HT 1800 TRANSITION 2400x1200	5523535.5721	630908.6775		227.050	224.29
MH.L26	BASE Ø 3050, HT 3300 TRANSITION 3050x1200	5523514.7186	630907.9433		227.140	223.40
MH.L27	SD-010 1200 mm	5523426.7890	630906.3594		230.120	227.75

MANHOLE STRUCTURE AND LOCATION TABLE

STRUCTURE NAME	DESCRIPTION	NORTHING	EASTING	EX RIM ELEV	PROP RIM ELEV	BOTTOM ELEV
MH.L28	SD-010 1200 mm	5523363.7735	630903.9547		232.170	229.78
MH.L38	SD-010 1200 mm	5523386.9858	630904.8350		231.580	229.31
MH.L40	SD-010 1200 mm	5523454.2734	630906.9119		229.080	226.82
MH.L41	SD-010 1200 mm	5523480.5888	630907.4218		228.120	225.90
MH.L43	BASE Ø 2400, HT 1800 TRANSITION 2400x1200	5523527.7477	630908.3794		226.970	224.28
MH.L44	BASE Ø 2400, HT 1800 TRANSITION 2400x1200	5523562.9083	630915.7605		227.174	224.31

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

PA:60321148\900-Work\9100-DD CAD\200-SHEETS\Municipal\63353-C2-CU-CU-Waverley-002.dwg

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: _____
BID OPPORTUNITY NO. 473-2016

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB
CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS,
ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION
AND LANDSCAPING WORKS

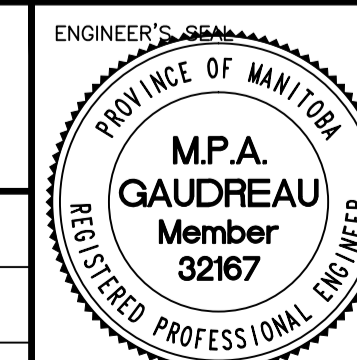
CITY DRAWING NUMBER
U239-2016-C2-CU-038

SHEET 38 OF 41

CONSULTANT DRAWING NUMBER
C2-CU-038

LAND DRAINAGE SYSTEM
STRUCTURE & LOCATION SCHEDULE 4

150 WM	WATER MAIN	150 WM	PIPE ABANDONMENTS	150 WM	WATER MAIN	150 WM	UNDERGROUND STRUCTURES	B.M. ELEV.
⊕	HYDRANT	⊕	SURVEY BAR	+	HYDRANT	+	SUPV. U/G STRUCTURES	DATE
⊖	VALVE	⊖	CURB STOP	X	VALVE	X	DATE	
300 LDS	LAND DRAINAGE SEWER	300 LDS	REDUCER	300 LDS	LAND DRAINAGE SEWER	300 LDS	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.	
250 WWS	WASTE WATER SEWER	250 WWS	COUPLING	250 WWS	WASTE WATER SEWER	250 WWS		
---	SEWER SERVICE PIPE	---	ANODE	---	PAVEMENT CROWN	---		
---	DRAINAGE CONNECTION PIPE	---	HYDRO	---	N/W PROPERTY LINE	---		
○	MANHOLE	○	MTS	○	S/E PROPERTY LINE	○		
□	CATCH BASIN	□	GAS	□	N/W GUTTER	□		
△	CURB INLET	△	TESTHOLE	△	S/E GUTTER	△		
▭	CULVERT	▭	LAMP STANDARD	▭		▭		
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW



DESIGNED BY	MPG	CHECKED BY	
DRAWN BY	KLC	APPROVED BY	
HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	
VERTICAL	1:100	DATE	
0	ISSUED FOR TENDER	17/01/09	Wjd
NO.	REVISIONS	DATE	BY

CONSULTANT PROJECT NUMBER
60321148