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

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET – STRUCTURE AND LOCATION SCHEDULE – SHT21

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	900ø x0.460DP SD–023	AP–008, AP–009	0+598.766SM	5.000R/SM	34.191				250ø 33.211	33.211	
DI–1	900ø x1.200DP SD–025	DITCH INLET GRATE	0+600.000NM	10.037L/NM	33.600 TOP/GRATE			450ø 32.585		31.985	C/W 900ø:760ø x0.300 FLAT TOP REDUCER
CB–1	900ø x1.800DP SD–024	AP–008, AP–009	0+600.000NM	5.000L/NM	34.317	450ø 32.417	150ø 32.917	450ø 32.417	150ø 32.917	31.817	C/W 900ø x0.300 RISER
DI–2	900ø x1.200DP SD–025	DITCH INLET GRATE	0+600.756SM	9.465R/SM	33.600 TOP/GRATE	450ø 32.385				31.985	C/W 900ø:760ø x0.300 FLAT TOP REDUCER
CB–2	900ø x1.800DP SD–024	AP–008, AP–009	0+600.756SM	5.000R/SM	34.190	450ø 32.290	250ø 32.970 150ø 32.790	450ø 32.290	150ø 32.790	31.690	C/W 900ø x0.300 RISER
MH–1	1500ø x1.830DP MH BASE	AP–004, AP–005	0+604.141SM	2.500L/SM	34.541	450ø 32.109		450ø 32.109	750ø 32.109	32.010	

MANHOLE, CATCH BASIN, CATCH PIT & DITCH INLET – STRUCTURE AND LOCATION SCHEDULE – SHT22

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–3	900ø x1.800DP SD–024	AP–008, AP–009	0+720.000NM	0.000NM	35.158		150ø 33.758	250ø 33.558	150ø 33.758	32.958	
MH–2	2100ø x1.830DP MH BASE	AP–004, AP–005	0+734.141SM	2.500L/SM	35.178		750ø 31.914	750ø 31.914	900ø 31.914	31.760	
MH–3	1350ø x1.830DP MH BASE	AP–004, AP–005	0+477.938McCREARY	10.401L/CL	33.900	750ø 32.025		600ø 32.025	450ø 32.025	31.425	MH BASE C/W 600 SUMP
DI–3	900ø x1.200DP SD–025	DITCH INLET GRATE	0+477.938McCREARY	11.850R/CL	33.500 TOP/GRATE		450ø 32.285			31.885	C/W 900ø:760ø x0.300 FLAT TOP REDUCER
DI–4	900ø x1.200DP SD–025	DITCH INLET GRATE	0+822.199SM	12.545R/SM	33.750 TOP/GRATE				300ø 32.575	32.135	C/W 900ø:760ø x0.300 FLAT TOP REDUCER
MH–4	1200ø x1.830DP MH BASE	AP–004, AP–005	0+846.573SM	13.048R/SM	34.330	450ø 32.455	300ø 32.455	450ø 32.455		31.855	MH BASE C/W 600 SUMP
MH–5	1800ø x1.830DP MH BASE	AP–004, AP–005	0+846.580SM	2.500L/SM	34.367		900ø 31.801	450ø 31.801	900ø 31.801	31.650	
CP–2	900ø x0.460DP SD–023	AP–008, AP–009	0+908.000NM	0.000NM	33.917				250ø 32.937	32.937	
CB–4	900ø x1.800DP SD–024	AP–008, AP–009	0+910.000NM	0.000NM	33.916	300ø 32.316	250ø 32.917 150ø 32.516	300ø 32.316	150ø 32.516	31.716	
DI–5	900ø x1.200DP SD–025	DITCH INLET GRATE	0+910.000NM	11.556L/NM	33.500 TOP/GRATE			300ø 32.485		31.885	C/W 900ø:760ø x0.300 FLAT TOP REDUCER
CB–5	900ø x1.200DP SD–024	AP–008, AP–009	0+910.875SM	5.000R/SM	33.633	300ø 32.183	150ø 32.233	300ø 32.183	150ø 32.233	31.583	C/W 900ø x0.460 RISER
DI–6	900ø x1.200DP SD–025	DITCH INLET GRATE	0+910.875SM	15.831R/SM	33.300 TOP/GRATE	300ø 32.285				31.685	C/W 900ø:760ø x0.300 FLAT TOP REDUCER

MANHOLE, CATCHBASIN, CATCH PIT & DITCH INLET – STRUCTURE AND LOCATION SCHEDULE – SHT23

STRUCTURE NUMBER	DESCRIPTION	FRAME & COVER	STATION	OFFSET FROM CONTROL LINE	RIM ELEVATION	INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION	SPECIAL FEATURES
MH–6	1800ø x1.830DP MH BASE	AP–004, AP–005	0+955.934SM	2.500L/SM	34.281		900ø 31.691		900ø 31.691	31.540	
MH–7	2100ø x1.830DP MH BASE	AP–004, AP–005	1+065.102SM	7.612R/SM	33.955	600ø 31.582	900ø 31.582	900ø 31.582	150ø 32.650	31.430	

NOTES:
1) SD–024 & SD–023 OFFSET MEASUREMENTS FROM CONTROL LINES ARE TAKEN TO STRUCTURE LOCATIONS RELATIVE TO BACK OF CURB.
2) SD–025, MH, & DI OFFSET MEASUREMENTS FROM CONTROL LINES ARE TAKEN TO CENTERLINE OF BARREL.

BID OPPORTUNITY
No. 84–2005

APEGM
Certificate of Authorization
UMA Engineering Ltd.
No. 256 Expiry: April 30, 2005

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. 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.

B.M. GBM67–001
ELEV. 234.148

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	05/04/19	DL
A	ISSUED FOR CLIENT REVIEW	05/02/28	DID

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DESIGNED BY WRJ — CHECKED BY RPB
DRAWN BY DID — APPROVED BY
HOR. SCALE: N/A
VERTICAL: N/A
DATE 05/04/19
AUTHORIZED BY: DATE 05·04·19
R. FINGAS/ P.ENG
BRIDGE PROJECTS ENGINEER

ENGINEER'S SEAL
PROVINCE OF MANITOBA
A. NAGY
April 19, 2005
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
4231-040-01-29

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

KENASTON UNDERPASS PROJECT
STERLING LYON PARKWAY WEST OF KENASTON BOULEVARD

LAND DRAINAGE SYSTEM
MH, CB, CP, & DI SCHEDULE

SHEET 29 OF 61
CAD FILE DRAWING NUMBER 01-CT6001_RX
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