	STRUCTURE TABLE				STRUCTURE TABLE				STRUCTURE TABLE				STRUCTURE TABLE				STRUCTURE TABLE		
STRUCTURE:	DETAILS: NORTHING EASTING		FASTING	STRUCTURE:	DETAILS:	NORTHING	EASTING	STRUCTURE:	DETAILS:	NORTHING	EASTING	STRUCTURE:	DETAILS:	NORTHING	EASTING	STRUCTURE:	DETAILS:	NORTHING	EASTING
CB 01	900 mm FRAME = BARRIER AP-011 RIM = 231.30 SUMP = 229.25 INV OUT = 229.700		5 636195.780	CB 17	900 mm FRAME = MOUNTABLE AP-015 RIM = 231.07 SUMP = 229.25 INV OUT = 229.846 INV OUT = 229.800	5524443.998		CB 33	900 mm FRAME = MOUNTABLE AP-015 RIM = 232.54 SUMP = 230.60 INV OUT = 231.510 INV OUT = 230.890	5524542.725		CP 14	750 mm FRAME = MOUNTABLE AP-015 RIM = 231.29 SUMP = 229.82 INV OUT = 230.290	5524419.041		MH L03	1200 mm FRAME = BEEHIVE AP-009 RIM = 231.05 SUMP = 227.85 INV IN = 228.500 INV OUT = 229.000	5524318.293	
CB 02	900 mm FRAME = BARRIER AP-011 RIM = 231.17 SUMP = 229.15 INV IN = 229.755 INV OUT = 229.755	5524228.789	9 636223.179	CB 18	900 mm FRAME = BEEHIVE AP-009 RIM = 232.00 SUMP = 229.32 INV IN = 229.917	5524443.114	636582.192	CB 34	900 mm FRAME = MOUNTABLE AP-015 RIM = 232.40 SUMP = 230.15 INV OUT = 231.370 INV OUT = 230.750	5524524.647	637239.107	CP 15	750 mm FRAME = MOUNTABLE AP-015 RIM = 232.42 SUMP = 231.34 INV OUT = 231.420 750 mm	5524496.339	636569.470	MH L04	1200 mm FRAME = SOLID AP-007 RIM = 231.20 SUMP = 228.15 INV IN = 228.232	5524350.256	636329.951
CB 03	900 mm FRAME = BARRIER AP-011 RIM = 231.05 SUMP = 229.12 INV IN = 229.725 INV IN = 229.725	5524241.603	3 636239.395	CB 19	900 mm FRAME = MODIFIED AP-018 RIM = 230.87 SUMP = 229.10 INV OUT = 229.500	5524438.246	636608.482	CB 35	900 mm FRAME = BARRIER AP-011 RIM = 231.47 SUMP = 229.20 INV OUT = 229.820	5524461.748	637429.859	CP 16	FRAME = BARRIER AP-011 RIM = 231.38 SUMP = 230.42 INV OUT = 230.380	5524362.039	636469.562	MH L05	1200 mm FRAME = BEEHIVE AP-009 RIM = 231.40 SUMP = 229.10	5524415.449	636461.904
CB 04	900 mm FRAME = BARRIER AP-011 RIM = 231.10 SUMP = 229.30	5524224.452	2 636241.932	CB 20	900 mm FRAME = BEEHIVE AP-009 RIM = 229.80 SUMP = 227.55 INV OUT = 228.150	5524586.905	636603.124	CB 36	900 mm FRAME = BEEHIVE AP-009 RIM = 229.43 SUMP = 227.18 INV OUT = 227.780	5524541.194	636583.269	CP 17	FRAME = MOUNTABLE AP-015 RIM = 231.03 SUMP = 230.03 INV IN = 230.030	5524435.853	636575.223		INV IN = 229.750 INV OUT = 229.697 1200 mm FRAME = BEEHIVE AP-009 RIM = 232.40		
	INV IN = 229.850 INV OUT = 229.800 900 mm FRAME = BARRIER AP-011			CB 21	900 mm FRAME = BEEHIVE AP-009 RIM = 229.61 SUMP = 226.90 INV OUT = 227.530	5524553.599	636652.324	CB 37	900 mm FRAME = BARRIER AP-011 RIM = 231.18 SUMP = 229.78	5524206.844	636305.758	CP 21	FRAME = BEEHIVE AP-009 RIM = 229.30 SUMP = 227.00 INV IN = 227.650	5524557.091	636663.711	MH L06	SUMP = 229.95 INV IN = 230.657 INV OUT = 230.550	5524498.380	636574.975
CB 05	RIM = 231.08 SUMP = 229.18 INV OUT = 229.775 INV OUT = 229.725	5524223.104	4 636276.866	CB 22	900 mm FRAME = BEEHIVE AP-009 RIM = 229.13 SUMP = 226.40	5524500.204	636673.841	CP 02	750 mm FRAME = BARRIER AP-011 RIM = 231.02 SUMP = 230.02 INV OUT = 229.860	5524238.670	636226.911	CP 27	750 mm FRAME = MOUNTABLE AP-015 RIM = 233.55 SUMP = 231.02 INV OUT = 232.550	5524559.384	636720.756	MH L07	FRAME = SOLID AP-007 RIM = 229.71 SUMP = 226.67 INV IN = 226.674 INV OUT = 226.699	5524517.000	636737.600
CB 06	FRAME = BARRIER AP-011 RIM = 230.97 SUMP = 228.92 INV OUT = 229.320	5524295.176	636251.338	CB 23	900 mm FRAME = BEEHIVE AP-009 RIM = 228.72	5524518.285	636695.296	CP 03	750 mm FRAME = BARRIER AP-011 RIM = 231.05 SUMP = 227.74	5524240.410	636237.790	CP 28	1200 mm FRAME = DUAL AP-012 RIM = 233.70 SUMP = 232.08 INV OUT = 232.700	5524571.931	636812.544	MH L08	1200 mm FRAME = BEEHIVE AP-009 RIM = 233.40 SUMP = 229.20 INV IN = 229.869	5524554.884	636713.795
CB 07	900 mm FRAME = BARRIER AP-011 RIM = 230.88 SUMP = 228.69 INV IN = 229.230	5524319.141	1 636292.870		SUMP = 226.47 INV OUT = 227.070 INV OUT = 227.100 900 mm FRAME = BEEHIVE AP-009			CP 04	750 mm FRAME = BARRIER AP-011 RIM = 231.10 SUMP = 230.10	5524223.357	636240.259	CP 29	1200 mm FRAME = DUAL AP-012 RIM = 232.33 SUMP = 230.72 INV OUT = 231.330	5524585.950	636852.149	MH L09	1200 mm FRAME = SOLID AP-007 RIM = 232.75 SUMP = 230.36	5524570 219	636810.863
CB 08	900 mm FRAME = MODIFIED AP-018 RIM = 231.18 SUMP = 229.02 INV IN = 229.400	5524274.694	CB 24 RIM = 228.60 SUMP = 226.35 INV OUT = 226.950 INV OUT = 226.950 900 mm		SUMP = 226.35 INV OUT = 226.950 INV OUT = 226.950	5524525.227	636701.085	CP 05	750 mm FRAME = MODIFIED AP-018 RIM = 231.15 SUMP = 230.05	5524224.519	636288.770	CP 30	1200 mm FRAME = DUAL AP-012 RIM = 232.22 SUMP = 231.28	5524561.970 636849.498		INV IN = 231.000 INV IN = 230.363 INV OUT = 230.356 1200 mm FRAME = SOLID AP-007	00210701210	-	
CB 09	900 mm FRAME = MOUNTABLE AP-015 RIM = 231.15 SUMP = 229.40	5524291.119	9 636332.369	CB 25	FRAME = BARRIER AP-011 RIM = 230.54 SUMP = 229.00 INV OUT = 229.600	5524470.986	636667.796		INV IN = 229.895 INV IN = 229.900 750 mm FRAME = MODIFIED AP-018			CP 31	1NV OUT = 231.220 1200 mm FRAME = DUAL AP-012 RIM = 232.51 SUMP = 231.51	5524588.451	636997.596	MH L10	FRAME = SOLID AP-007 RIM = 232.44 SUMP = 230.57 INV IN = 230.540 INV OUT = 230.569	5524572.969	636851.853
	900 mm FRAME = MOUNTABLE AP-015 RIM = 231.08			CB 26	900 mm FRAME = MODIFIED AP-018 RIM = 230.40 SUMP = 228.68 INV OUT = 229.275	5524494.136	636683.626	CP 06	RIM = 231.06 SUMP = 229.46 INV OUT = 230.000 750 mm FRAME = MODIFIED AP-018	5524260.339		CP 32	750 mm FRAME = DUAL AP-012 RIM = 231.99 SUMP = 230.67	5524570.019	637074.403	MH L11	1200 mm FRAME = BEEHIVE AP-009 RIM = 231.80 SUMP = 229.52 INV IN = 230.120 INV IN = 230.428	5524539.868	637195.802
CB 10	SUMP = 228.78 INV IN = 229.500 INV OUT = 229.430	5524302.018	8 636344.057	CB 27	900 mm FRAME = MOUNTABLE AP-015 RIM = 233.54 SUMP = 230.28 INV IN = 232.530	5524559.731	636722.726	CP 07	RIM = 231.24 SUMP = 229.79 INV OUT = 229.990	5524218.876	636295.502	CP 33	750 mm FRAME = MOUNTABLE AP-015 RIM = 232.53	5524542.069	637198.759	MILLAD	1500 mm FRAME = SOLID AP-007 RIM = 231.24	FF24204 904	636258.993
CB 11	FRAME = MOUNTABLE AP-015 RIM = 230.81 SUMP = 229.18 INV IN = 229.240 INV OUT = 229.290	5524307.090	636369.529	CB 28	INV OUT = 231.890 1200 mm FRAME = DUAL AP-012 RIM = 233.71	5524571.792	636810.549	CP 08	FRAME = BARRIER AP-011 RIM = 231.20 SUMP = 230.20 INV OUT = 229.700	5524246.600	636324.319	CP 34	SUMP = 231.53 INV IN = 231.530 750 mm FRAME = MOUNTABLE AP-015 RIM = 232.39	5524523.766	637240 874	MH L12	SUMP = 228.90 INV IN = 229.600 INV IN = 229.600	5524201.804	636258.993
CB 12	900 mm FRAME = BARRIER AP-011 RIM = 230.70 SUMP = 228.45	5524324.007	7 636324.183		SUMP = 229.75 INV IN = 232.680 INV OUT = 232.060 1200 mm			CP 09	FRAME = MOUNTABLE AP-015 RIM = 231.21 SUMP = 230.22 INV IN = 229.700	5524284.717	636325.369	OF 34	SUMP = 231.39 INV IN = 231.390 900 mm FRAME = SOLID AP-007	3324323.700	037240.074				
CB 13	900 mm FRAME = MOUNTABLE AP-015 RIM = 230.68 SUMP = 228.63	FRAME = DUAL AP-012 RIM = 232.32 SUMP = 230.16 INV IN = 231.310 INV OUT = 230.670 FRAME = DUAL AP-012 RIM = 232.32 SUMP = 230.16 INV OUT = 230.670 FRAME = MOUNTABLE AP-015 RIM = 231.10 SUMP = 230.10 INV OUT = 229.600		5524298.608	636340.445	MH EX07 RIM = 231.27 SUMP = 228.31 INV IN = 228.307 INV OUT = 228.335		636284.300											
OD 11	INV IN = 229.160 INV OUT = 229.110 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.28	5524400 Z00	0 626457.054	CB 30	1200 mm FRAME = DUAL AP-012 RIM = 232.22 SUMP = 229.92 INV IN = 230.570 INV IN = 231.200	5524562.075	636851.496	CP 11	750 mm FRAME = MOUNTABLE AP-015 RIM = 230.81 SUMP = 229.83 INV IN = 229.310	5524308.463	636370.983	MH L01	1500 mm FRAME = BEEHIVE AP-009 RIM = 231.05 SUMP = 229.05 INV IN = 229.650 INV IN = 229.650	5524227.482	636244.072	CONTROL DO	NTS ZOUZ AND TO THE STATE OF TH	2/0021101/6/22	DEOID WITTE
CB 14	SUMP = 229.19 INV IN = 230.270 INV OUT = 229.786 900 mm FRAME = MOUNTABLE AP-015	5524420.730	0 636457.054	CB 31	1200 mm FRAME = DUAL AP-012 RIM = 232.52 SUMP = 230.27 INV OUT = 230.870	5524588.483	636995.595	CP 13	750 mm FRAME = MODIFIED AP-018 RIM = 230.68 SUMP = 229.68 INV OUT = 229.180	5524340.598	636346.515	MH L02	1200 mm FRAME = SOLID AP-007 RIM = 231.45 SUMP = 228.40	5524284.273	636322.985	PR 654357 654353 84R757	NTS ZONE 14N DATUM NAD 198 NORTHING EASTING 5527224.350 636672.8 5522764.163 638302.6 N. sido Former Avo @ Puo F	96 34	ELEV. 232.358
CB 15	RIM = 232.43 SUMP = 230.10 INV IN = 231.400 INV OUT = 230.780	5524497.906	636570.713	CP 22	900 mm FRAME = DUAL AP-012 RIM = 231.98	5524569.710	637076 270						INV IN = 229.100 INV OUT = 229.000			CONTROL POIN ALL COORE DATUM (NA	N. side Fermor Ave @ Rue I T INFORMATION: DINATES SHOWN ARE UTM A T 83 1990 ADJUSTMENT) SCALE FACTOR = 0.9997973	ND ARE BASED	

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

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.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
- OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

Certificate of Authorization Dillon Consulting Limited (MB) No. 1789 Date: ____18/02/01

P-3489-2017-CU-011

OF 011 11

ALL COORDINATES SHOWN ARE UTM AND ARE BASED ON CITY OF WINNIPEG DATUM (NAT 83 1990 ADJUSTMENT)
 COMBINED SCALE FACTOR = 0.9997973138
 TO OBTAIN GROUND DISTANCES DIVIDE LENGTHS OBTAINED FROM COORDINATES BY COMBINED SCALE FACTOR
 INSERTION POINTS SHOWN AS FOLLOWS

CENTER OF MANHOLES

CENTER OF "BEEHIVE" CATCH BASINS BACK OF CURB CATCH BASINS AND CATCH PITS

150 WM	WATERMAIN			CONCRETE	••••••	150 WM	WATERMAIN	150 WM
	HYDRANT	-		ASPHALT		300 LDS	LAND DRAINAGE SEWER	300 LDS
\otimes	VALVE	⊗		PLANING		250 <u>ww</u> s	WASTE WATER SEWER	250 WWS
0	MANHOLE	•		SIDEWALK			HYDRANT	
	CATCH BASIN			PAVING STONES			VALVE	$\overline{\mathbf{x}}$
abla	CURB INLET	•		PARTIAL DEPTH REPAIR	7.7.7.7.7.	—- ×	₽ PROFILE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		PROPERTY LINE			NORTH/WEST GUTTER	
250 WWS	WASTE WATER SEWER	250 WWS	─	DRAINAGE ARROW	→	————	SOUTH/EAST GUTTER	
HYDRO	HYDRO	HYDRO		CURB RAMP (SD-229C)		<u> </u>	NORTH/WEST DITCH	
MTS	M.T.S.	MTS		DETECTABLE WARNING		— ~ —	SOUTH/EAST DITCH	
100 GAS	. GAS	100 GAS		SURFACE TILE (SD-229AA)				
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED

CB 32

5524361.052 636467.644

900 mm

FRAME = BARRIER AP-011

RIM = 231.37

SUMP = 229.15

INV IN = 230.355

INV 025T = 229.750

CB 16

1:500

SUMP = 229.98

INV IN = 230.621

INV OUT = 230.577

5524569.710 | 637076.379 |

-	UNDERGROUND STRUCTURES		B.M. ELEV.			DESIGNED BY	WPN	\ <u>\</u>	ENGINEER'S SEAL	
-						DRAWN BY	GLG	"I'IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	TO THICE OF MANIFOLD	
-	SUPV. U/G STRUCTURES DATE					CHECKED BY	WPN	DILLON	W.P. NAIRN	
	LOCATION OF UNDERGROUND STRUCTURES AS					APPROVED BY	_	CONSULTING		
•	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.					HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	7AOFESSION	
	LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES	0	ISSUED FOR TENDER	18/02/09	WPN	VERTICAL	1:50		CONSULTANT PROJECT NUMBER	
)	BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE		DATE	17-5932	

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Winnipeg	PUBLIC WO

Y OF WINNIPEG

FERMOR AVENUE BRIDGE OVER SEINE RIVER	CITY DRAWING NUMBER P-3489-2017-CU		
RIDGE REHABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET	SHEET 011	of 1	

LDS STRUCTURE LOCATION	CONSULTANT DRAWING NUMBER		
TABLES	CU-011		