

| STRUCTURE TABLE | | | |
|-----------------|--|-------------|------------|
| STRUCTURE: | DETAILS: | NORTHING | EASTING |
| CB 01 | 900 mm FRAME = BARRIER AP-011 RIM = 231.30 SUMP = 229.10 INV OUT = 229.700 | 5524196.455 | 636195.780 |
| CB 02 | 900 mm FRAME = BARRIER AP-011 RIM = 231.17 SUMP = 229.15 INV IN = 229.755 INV OUT = 229.755 | 5524228.789 | 636223.179 |
| CB 03 | 900 mm FRAME = BARRIER AP-011 RIM = 231.05 SUMP = 229.12 INV IN = 229.725 INV IN = 229.725 INV OUT = 229.725 | 5524241.603 | 636239.395 |
| CB 04 | 900 mm FRAME = BARRIER AP-011 RIM = 231.10 SUMP = 229.20 INV IN = 229.850 INV OUT = 229.800 | 5524224.452 | 636241.932 |
| CB 05 | 900 mm FRAME = BARRIER AP-011 RIM = 231.08 SUMP = 229.12 INV IN = 229.775 INV OUT = 229.725 | 5524223.104 | 636276.866 |
| CB 06 | 900 mm FRAME = BARRIER AP-011 RIM = 230.97 SUMP = 228.72 INV OUT = 229.320 | 5524295.176 | 636251.338 |
| CB 07 | 900 mm FRAME = BARRIER AP-011 RIM = 230.88 SUMP = 228.63 INV OUT = 229.230 | 5524319.141 | 636292.870 |
| CB 08 | 900 mm FRAME = MODIFIED AP-018 RIM = 231.18 SUMP = 228.75 INV IN = 229.400 INV OUT = 229.350 | 5524274.694 | 636334.247 |
| CB 09 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.15 SUMP = 228.80 INV IN = 229.500 INV OUT = 229.400 | 5524291.119 | 636332.369 |
| CB 10 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.08 SUMP = 228.83 INV IN = 229.500 INV OUT = 229.430 | 5524302.018 | 636344.057 |
| CB 11 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 230.81 SUMP = 228.64 INV IN = 229.240 INV OUT = 229.290 | 5524307.090 | 636369.529 |
| CB 12 | 900 mm FRAME = BARRIER AP-011 RIM = 230.70 SUMP = 228.45 INV OUT = 229.050 | 5524324.007 | 636324.183 |
| CB 13 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 230.68 SUMP = 228.51 INV IN = 229.160 INV OUT = 229.110 | 5524339.237 | 636345.049 |
| CB 14 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.28 SUMP = 229.19 INV IN = 230.270 INV OUT = 229.786 | 5524420.730 | 636457.054 |
| CB 15 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 232.43 SUMP = 230.18 INV IN = 231.400 INV OUT = 230.780 | 5524497.906 | 636570.713 |

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| CB 16 | 900 mm FRAME = BARRIER AP-011 RIM = 231.37 SUMP = 229.15 INV IN = 230.355 INV OUT = 229.750 | 5524361.052 | 636467.644 |
| CB 17 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.07 SUMP = 229.20 INV IN = 229.846 INV OUT = 229.800 | 5524443.998 | 636591.675 |
| CB 18 | 900 mm FRAME = BEEHIVE AP-009 RIM = 232.00 SUMP = 229.32 INV OUT = 229.917 | 5524443.114 | 636582.192 |
| CB 19 | 900 mm FRAME = MODIFIED AP-018 RIM = 230.87 SUMP = 228.90 INV OUT = 229.500 | 5524438.246 | 636608.482 |
| CB 20 | 900 mm FRAME = BEEHIVE AP-009 RIM = 229.80 SUMP = 227.55 INV OUT = 228.150 | 5524586.905 | 636603.124 |
| CB 21 | 900 mm FRAME = BEEHIVE AP-009 RIM = 229.61 SUMP = 228.90 INV IN = 227.530 INV OUT = 227.500 | 5524553.599 | 636652.324 |
| CB 22 | 900 mm FRAME = BEEHIVE AP-009 RIM = 229.13 SUMP = 226.40 INV OUT = 227.004 | 5524500.204 | 636673.841 |
| CB 23 | 900 mm FRAME = BEEHIVE AP-009 RIM = 228.72 SUMP = 226.47 INV OUT = 227.070 INV IN = 227.100 | 5524518.285 | 636695.296 |
| CB 24 | 900 mm FRAME = BEEHIVE AP-009 RIM = 228.60 SUMP = 228.35 INV IN = 228.950 INV OUT = 228.950 | 5524525.227 | 636701.085 |
| CB 25 | 900 mm FRAME = BARRIER AP-011 RIM = 230.54 SUMP = 229.00 INV OUT = 229.600 | 5524470.986 | 636667.796 |
| CB 26 | 900 mm FRAME = MODIFIED AP-018 RIM = 230.40 SUMP = 228.68 INV OUT = 229.275 | 5524494.136 | 636683.626 |
| CB 27 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 233.54 SUMP = 231.29 INV IN = 232.530 INV OUT = 231.890 | 5524559.731 | 636722.726 |
| CB 28 | 1200 mm FRAME = DUAL AP-012 RIM = 233.71 SUMP = 231.46 INV IN = 232.680 INV OUT = 232.060 | 5524571.792 | 636810.549 |
| CB 29 | 1200 mm FRAME = DUAL AP-012 RIM = 232.32 SUMP = 230.07 INV IN = 231.310 INV OUT = 230.670 | 5524585.847 | 636850.152 |
| CB 31 | 1200 mm FRAME = DUAL AP-012 RIM = 232.52 SUMP = 230.27 INV OUT = 230.870 INV IN = 231.490 | 5524588.483 | 636995.595 |
| CB 32 | 1200 mm FRAME = DUAL AP-012 RIM = 231.98 SUMP = 229.98 INV IN = 230.621 INV OUT = 230.577 | 5524569.710 | 637076.379 |

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| STRUCTURE: | DETAILS: | NORTHING | EASTING |
| CB 33 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 232.54 SUMP = 230.29 INV IN = 231.510 INV OUT = 230.890 | 5524542.725 | 637196.870 |
| CB 34 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 232.40 SUMP = 230.15 INV IN = 231.370 INV OUT = 230.750 | 5524524.647 | 637239.107 |
| CB 35 | 900 mm FRAME = BARRIER AP-011 RIM = 231.47 SUMP = 229.22 INV OUT = 229.820 | 5524461.748 | 637429.859 |
| CB 36 | 900 mm FRAME = BEEHIVE AP-009 RIM = 229.43 SUMP = 227.18 INV OUT = 227.780 | 5524541.194 | 636583.269 |
| CB 37 | 900 mm FRAME = BARRIER AP-011 RIM = 231.18 SUMP = 229.78 EX INV OUT = 250.05± | 5524206.844 | 636305.758 |
| CP 02 | 900 mm FRAME = BARRIER AP-011 RIM = 231.02 INV OUT = 229.860 | 5524238.670 | 636226.911 |
| CP 03 | 900 mm FRAME = BARRIER AP-011 RIM = 231.05 INV OUT = 229.745 | 5524240.410 | 636237.790 |
| CP 04 | 900 mm FRAME = BARRIER AP-011 RIM = 231.10 INV OUT = 229.870 | 5524223.357 | 636240.259 |
| CP 05 | 900 mm FRAME = MODIFIED AP-018 RIM = 231.15 INV OUT = 229.895 INV IN = 229.900 | 5524224.519 | 636288.770 |
| CP 06 | 900 mm FRAME = MODIFIED AP-018 RIM = 231.06 INV OUT = 230.000 | 5524260.339 | 636255.807 |
| CP 07 | 900 mm FRAME = MODIFIED AP-018 RIM = 231.24 INV OUT = 229.990 | 5524218.876 | 636295.502 |
| CP 08 | 900 mm FRAME = BARRIER AP-011 RIM = 231.20 INV OUT = 229.700 | 5524246.600 | 636324.319 |
| CP 09 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.21 INV OUT = 229.700 | 5524284.717 | 636325.369 |
| CP 10 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.10 INV OUT = 229.600 | 5524298.608 | 636340.445 |
| CP 11 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 230.81 INV OUT = 229.310 | 5524308.463 | 636370.983 |
| CP 13 | 900 mm FRAME = MODIFIED AP-018 RIM = 230.68 INV OUT = 229.180 | 5524340.598 | 636346.515 |
| CP 14 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.29 INV OUT = 230.290 | 5524419.041 | 636455.879 |

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| STRUCTURE: | DETAILS: | NORTHING | EASTING |
| CP 15 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 232.42 INV OUT = 231.420 | 5524496.339 | 636569.470 |
| CP 16 | 900 mm FRAME = BARRIER AP-011 RIM = 231.38 INV OUT = 230.380 | 5524362.039 | 636469.562 |
| CP 17 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 231.03 INV OUT = 230.030 | 5524435.853 | 636575.223 |
| CP 21 | 900 mm FRAME = BEEHIVE AP-009 RIM = 229.30 INV OUT = 227.650 | 5524557.091 | 636663.711 |
| CP 27 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 233.55 INV OUT = 232.550 | 5524559.384 | 636720.756 |
| CP 28 | 1200 mm FRAME = DUAL AP-012 RIM = 233.70 INV OUT = 232.700 | 5524571.931 | 636812.544 |
| CP 29 | 1200 mm FRAME = DUAL AP-012 RIM = 232.33 INV OUT = 231.330 | 5524585.950 | 636852.149 |
| CP 31 | 1200 mm FRAME = DUAL AP-012 RIM = 232.51 INV OUT = 231.510 | 5524588.451 | 636997.596 |
| CP 32 | 1200 mm FRAME = DUAL AP-012 RIM = 231.99 INV OUT = 230.668 | 5524570.019 | 637074.403 |
| CP 33 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 232.53 INV OUT = 231.530 | 5524542.069 | 637198.759 |
| CP 34 | 900 mm FRAME = MOUNTABLE AP-015 RIM = 232.39 INV OUT = 231.390 | 5524523.766 | 637240.874 |
| MH EX07 | 1200 mm FRAME = SOLID AP-007 RIM = 231.27 INV IN = 228.307 INV OUT = 228.335 | 5524309.824 | 636284.300 |
| MH L01 | 1500 mm FRAME = BEEHIVE AP-009 RIM = 231.05 SUMP = 229.05 INV IN = 229.650 INV IN = 229.650 INV OUT = 229.650 | 5524227.482 | 636244.072 |
| MH L02 | 1200 mm FRAME = SOLID AP-007 RIM = 231.45 INV IN = 229.100 INV OUT = 229.000 | 5524284.273 | 636322.985 |
| MH L03 | 1200 mm FRAME = BEEHIVE AP-009 RIM = 231.05 SUMP = 227.85 INV IN = 228.500 INV IN = 229.000 INV OUT = 228.450 | 5524318.293 | 636359.546 |
| MH L04 | 1200 mm FRAME = SOLID AP-007 RIM = 231.20 INV IN = 228.232 INV OUT = 228.150 | 5524350.256 | 636329.951 |

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| MH L05 | 1200 mm FRAME = BEEHIVE AP-009 RIM = 231.40 SUMP = 229.10 INV IN = 229.750 INV OUT = 229.697 | 5524415.449 | 636461.904 |
| MH L06 | 1200 mm FRAME = BEEHIVE AP-009 RIM = 232.40 SUMP = 229.95 INV IN = 230.657 INV OUT = 230.550 | 5524498.380 | 636574.975 |
| MH L07 | 1800 mm FRAME = SOLID AP-007 RIM = 229.71 INV IN = 226.674 INV OUT = 226.699 | 5524517.000 | 636737.600 |
| MH L08 | 1200 mm FRAME = BEEHIVE AP-009 RIM = 229.18 SUMP = 229.20 INV IN = 229.869 INV OUT = 229.800 | 5524554.884 | 636713.795 |
| MH L09 | 1200 mm FRAME = SOLID AP-007 RIM = 232.75 INV IN = 231.000 INV IN = 230.363 INV OUT = 230.356 | 5524570.219 | 636810.863 |
| MH L10 | 1200 mm FRAME = SOLID AP-007 RIM = 232.44 INV IN = 230.540 INV OUT = 230.569 | 5524572.969 | 636851.853 |
| MH L11 | 1200 mm FRAME = BEEHIVE AP-009 RIM = 231.80 SUMP = 229.52 INV OUT = 230.120 INV IN = 230.428 INV OUT = 230.421 | 5524539.868 | 637195.802 |
| MH L12 | 1500 mm FRAME = GRATED AP-006 RIM = 231.24 SUMP = 228.90 EX INV OUT = 229.495 EX INV IN = 229.535 INV IN = 229.600 INV IN = 229.600 | 5524201.804 | 636258.993 |

1

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:
- 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.

| CONTROL POINTS | | | |
|----------------|--------------------------------------|------------|---------|
| PR | NORTHING | EASTING | ELEV. |
| 654357 | 5527224.350 | 636672.896 | |
| 654353 | 5522764.163 | 638302.634 | |
| 84R757 | N. side Ferron Ave @ Rue Des Meurons | | 232.358 |

CONTROL POINT INFORMATION:
 • 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

APEGM
 Certificate of Authorization
Dillon Consulting Limited (MB)
 No. 1789 Date: 18/02/01

| 150 WM | | 150 WM | | CONCRETE | | 150 WM | | WATERMAIN | | 150 WM | | WATERMAIN | | 150 WM | |
|-------------|-------------|----------------|----------------|----------------------|----------------------|--------------------|--------------------|-------------------------|-------------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|
| HYDRANT | HYDRANT | ASPHALT | ASPHALT | LAND DRAINAGE SEWER | LAND DRAINAGE SEWER | WASTE WATER SEWER | WASTE WATER SEWER | HYDRANT | HYDRANT | VALVE | VALVE | MANHOLE | MANHOLE | CATCH BASIN | CATCH BASIN |
| CATCH BASIN | CATCH BASIN | PAVING STONES | PAVING STONES | PARTIAL DEPTH REPAIR | PARTIAL DEPTH REPAIR | PROPERTY LINE | PROPERTY LINE | NORTH/WEST GUTTER | NORTH/WEST GUTTER | SOUTH/EAST GUTTER | SOUTH/EAST GUTTER | NORTH/WEST DITCH | NORTH/WEST DITCH | SOUTH/EAST DITCH | SOUTH/EAST DITCH |
| CURB INLET | CURB INLET | DRAINAGE ARROW | DRAINAGE ARROW | CURB RAMP (SD-229C) | CURB RAMP (SD-229C) | DETECTABLE WARNING | DETECTABLE WARNING | SURFACE TILE (SD-229AA) | SURFACE TILE (SD-229AA) | | | | | | |
| EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PROFILE | PROPOSED | EXISTING | LEGEND-PROFILE | PROPOSED | EXISTING | LEGEND-PROFILE | PROPOSED | EXISTING |

| UNDERGROUND STRUCTURES | | | |
|------------------------|-------------------|----------|-----|
| SUPPLY | U/G STRUCTURES | DATE | |
| 1 | ADDENDUM #5 | 18/03/16 | WPN |
| 0 | ISSUED FOR TENDER | 18/02/09 | WPN |
| NO. | REVISIONS | DATE | BY |

DILLON CONSULTING

DESIGNED BY: WPN
 DRAWN BY: GLG
 CHECKED BY: WPN
 APPROVED BY: -

HOR. SCALE: 1:500
 VERTICAL: 1:50

RELEASED FOR CONSTRUCTION

CONSULTANT PROJECT NUMBER: 17-5932

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

FERMOR AVENUE BRIDGE OVER SEINE RIVER
 BRIDGE REHABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET

CITY DRAWING NUMBER: P-3489-2017-CU-011
 SHEET OF: 011 OF 11
 CONSULTANT DRAWING NUMBER: CU-011

LDS STRUCTURE LOCATION TABLES

G:\CAD\175932\Drawings\Utilities\Contract\175932-COON-CU-PLAN-PROFILE-FERMOR.dwg