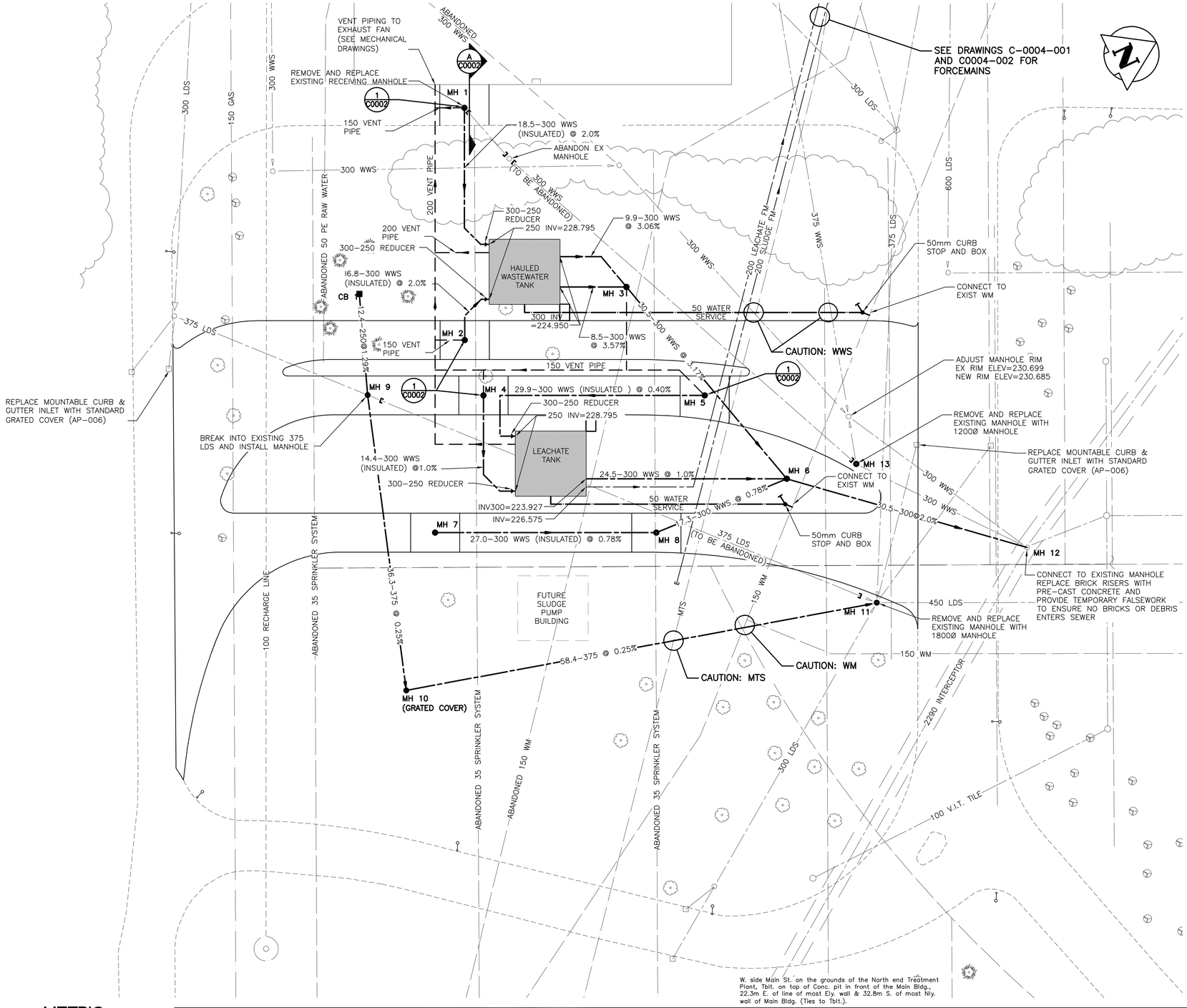
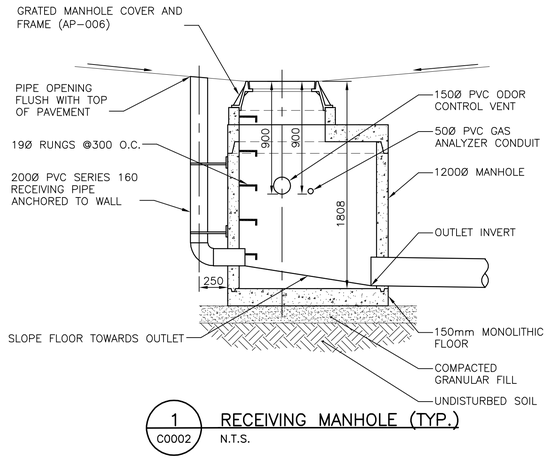



## MANHOLE DATA

| MH# | TYPE | COVER | RIM ELEV. | INVERT | NORTHING | EASTING |
|---|---|---|---|---|---|---|
| MH1 | RECEIVING | AP–006 | 230.888 | 300E=229.165 | 5534857.2 | 635737.8 |
| MH2 | RECEIVING | AP–006 | 230.660 | 300W=228.931 | 5534845.0 | 635763.4 |
| MH3 | SD–010 | AP–004 | 230.900 | 300S,E&W=224.647 | 5534865.6 | 635766.0 |
| MH4 | RECEIVING | AP–006 | 230.640 | 300E=228.931 | 5534844.2 | 635770.4 |
| MH5 | RECEIVING | AP–006 | 230.430 | 300S=228.915 | 5534868.6 | 635782.1 |
| MH6 | SD–010 | AP–004 | 231.000 | 300S,W&N=223.680 300E=228.617 | 5534873.2 | 635795.5 |
| MH7 | SD–010 | AP–006 | 230.770 | 300N=228.962 | 5534831.7 | 635783.0 |
| MH8 | SD–010 | AP–006 | 230.560 | 300N&S=228.752 | 5534856.0 | 635794.6 |
| MH9 | SD–010 | AP–004 | 230.800 | EX 375S=228.61± | 5534831.5 | 635764.3 |
| MH10 | SD–010 | AP–006 | 230.200 | 375W&N=228.519 | 5534820.2 | 635798.9 |
| MH11 | SD–010 | AP–004 | 231.100 | EX 375S=228.260 EX 300E=28.370 EX 450N=27.700 EX W=27.680 375S=28.373 | 5534820.2 | 635798.9 |
| MH12 | SD–010 | AP–004 | EX RIM=230.730 | EX 300S=226.08 300S=223.070 | 5534876.7 | 635813.9 |
| MH13 | SD–010 | AP–004 | 230.793 | 300W&N=226.730 | 5534881.7 | 635797.6 |

## CATCHBASIN DATA

| CB# | RIM ELEV. | INVERT | NORTHING | EASTING |
|---|---|---|---|---|
| CB1 | 230.400 | 250E=228.770 BTM ELEV=228.000 | 5534835.9 | 635752.8 |




1 C0002 RECEIVING MANHOLE (TYP.)
N.T.S.

**NOTES:**

1. UNDERGROUND VENT PIPING TO BE INSTALLED WITH MINIMUM 1 METRE COVER BELOW FINISHED GRADE AND WITH POSITIVE DRAINAGE TO MANHOLES.
2. EXISTING WATERMAIN TO BE LOCATED BY HAND EXCAVATION DURING INSTALLATION OF 300 WWS.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Date:_____

| EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PLAN | PROPOSED |
|---|---|---|---|---|---|
| 150 WM | WATERMAIN | 150 WM | | M.T.S. | |
| | HYDRANT | | | CONCRETE | |
| | VALVE | | | ASPHALT | |
| 300 LDS | LAND DRAINAGE SEWER | 300 LDS | | SIDEWALK | |
| 250 WWS | WASTE WATER SEWER | 250 WWS | | PROPERTY LINE | |
| | VENT PIPING | | | SURVEY BAR | |
| | MANHOLE | | | DITCH | |
| | CATCH BASIN | | 31.334 | ELEVATION | 32.23 |
| | GAS | | | | |
| | HYDRO | | | | |

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. 13–027
ELEV. 231.261

| NO. | REVISIONS | DATE | BY |
|---|---|---|---|
| A | ISSUED FOR TENDER | 10.02.16 | H.A.K. |

Stantec Consulting Ltd.
905 Waverley Street, Winnipeg, Manitoba
Tel 204–489–5900 Fax 204–453–9012

| | | | |
|---|---|---|---|
| DESIGNED BY | B.J.R. | CHECKED BY | H.A.K. |
| DRAWN BY | W.R.A. | APPROVED BY | B.J.R. |
| HOR. SCALE: 1:250 VERTICAL: | | RELEASED FOR CONSTRUCTION: | |
| DATE | 09.10.30 | DATE | |

ENGINEER'S SEAL

BID OPPORTUNITY NO. 822–2009

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE
HAULED LIQUID WASTE RECEIVING FACILITIES

UNDERGROUND SERVICES

CITY DRAWING NUMBER 1–0101A–C0002–001

SHEET 1 OF 1

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17/710