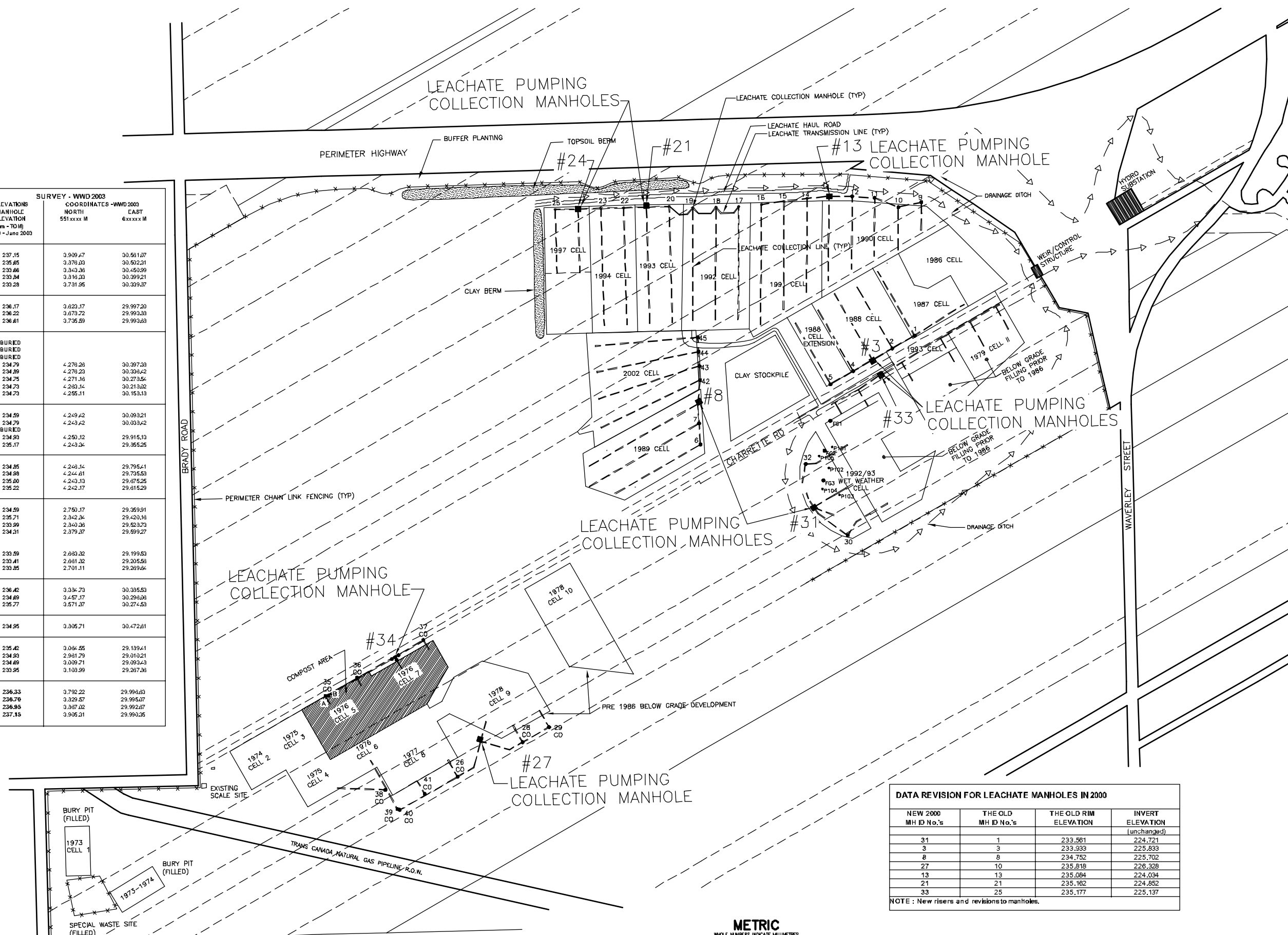


BRADY ROAD LANDFILL LEACHATE COLLECTION

LEACHATE COLLECTION SYSTEMS
 JUNE 2003 LEACHATE MANHOLES & LEACHATE CLEANOUTS
 SUMP MANHOLES ARE OUTLINE. LEACHATE IS PUMPED FROM THE SUMP MANHOLES.

| LEACHATE COLLECTION SYSTEM REFUSE CELLS | 2001 MANHOLE / CLEANOUT NEW IDENTIFICATION NUMBER | IDENTIFICATION | ELEVATIONS MANHOLE ELEVATION (m - TDIM) WWD - June 2003 | SURVEY - WWD 2003 COORDINATES - WWD 2003 | |
|--|--|----------------|---|---|------------------|
| | | | | NORTH 551xxxx M | EAST 6xxxxx M |
| 1987 CELL | 1 | MANHOLE | 237.15 | 3.909.47 | 30.551.07 |
| 1988 CELL | 2 | MANHOLE | 235.65 | 3.376.03 | 30.502.21 |
| | 3 | SUMP MANHOLE | 233.66 | 3.343.36 | 30.450.99 |
| 1988 CELL EXTENSION | 4 | MANHOLE | 233.94 | 3.316.23 | 30.399.21 |
| | 5 | MANHOLE | 233.28 | 3.731.96 | 30.339.37 |
| 1989 CELL | 6 | MANHOLE | 236.17 | 3.623.17 | 29.997.20 |
| | 7 | MANHOLE | 236.22 | 3.673.72 | 29.993.33 |
| | 8 | SUMP MANHOLE | 236.61 | 3.736.59 | 29.993.63 |
| 1990 CELL | 9 | MANHOLE | BURED | | |
| | 10 | MANHOLE | BURED | | |
| | 11 | MANHOLE | BURED | | |
| 1991 CELL | 12 | MANHOLE | 234.79 | 4.278.28 | 30.397.33 |
| | 13 | SUMP MANHOLE | 234.99 | 4.278.23 | 30.339.42 |
| | 14 | MANHOLE | 234.75 | 4.271.18 | 30.273.54 |
| | 15 | MANHOLE | 234.73 | 4.283.14 | 30.213.02 |
| | 16 | MANHOLE | 234.73 | 4.255.11 | 30.153.13 |
| 1992 CELL | 17 | MANHOLE | 234.59 | 4.249.42 | 30.093.21 |
| | 18 | MANHOLE | 234.79 | 4.243.42 | 30.093.42 |
| | 19 | MANHOLE | BURED | | |
| 1993 CELL | 20 | MANHOLE | 234.93 | 4.250.12 | 29.916.13 |
| | 21 | SUMP MANHOLE | 235.17 | 4.243.34 | 29.355.25 |
| 1994 CELL | 22 | MANHOLE | 234.85 | 4.248.14 | 29.795.41 |
| | 23 | MANHOLE | 234.98 | 4.244.81 | 29.735.53 |
| 1997 CELL | 24 | SUMP MANHOLE | 235.00 | 4.243.13 | 29.875.25 |
| | 25 | MANHOLE | 235.22 | 4.242.17 | 29.815.29 |
| 1977 CELL 8 | 26 | CLEANOUT | 234.59 | 2.750.17 | 29.359.91 |
| 1978 CELL 9 | 27 | SUMP MANHOLE | 235.71 | 2.342.34 | 29.420.18 |
| 1978 CELL 9 | 28 | CLEANOUT | 233.99 | 2.340.38 | 29.523.73 |
| 1978 CELL 9 | 29 | CLEANOUT | 234.51 | 2.379.37 | 29.599.27 |
| | 38 | CLEANOUT | | | |
| | 39 | CLEANOUT | 233.59 | 2.663.32 | 29.199.53 |
| | 40 | CLEANOUT | 233.41 | 2.661.32 | 29.205.53 |
| | 41 | CLEANOUT | 233.85 | 2.701.11 | 29.269.64 |
| 1992/93 WET WEATHER CELL | 30 | MANHOLE | 236.42 | 3.334.73 | 30.335.53 |
| | 31 | SUMP MANHOLE | 234.69 | 3.457.17 | 30.296.08 |
| | 32 | MANHOLE | 235.77 | 3.571.37 | 30.274.53 |
| 1979 CELL & PRE 1986 | 33 | SUMP MANHOLE | 234.95 | 3.305.71 | 30.472.81 |
| 1976 CELL 5 & 7 | 34 | SUMP MANHOLE | 235.42 | 3.064.55 | 29.139.41 |
| | 35 | CLEANOUT | 234.93 | 2.961.29 | 29.010.21 |
| | 36 | CLEANOUT | 234.69 | 3.039.71 | 29.093.43 |
| | 37 | CLEANOUT | 233.95 | 3.103.99 | 29.267.38 |
| 2002 CELL | 42 connects to Sump Manhole No. 8 | | | | |
| | 42 | MANHOLE | 236.33 | 3.792.22 | 29.996.63 |
| | 43 | MANHOLE | 236.70 | 3.329.57 | 29.995.07 |
| | 44 | MANHOLE | 236.95 | 3.367.32 | 29.992.67 |
| | 45 | MANHOLE | 237.15 | 3.935.21 | 29.990.25 |



DATA REVISION FOR LEACHATE MANHOLES IN 2000

| NEW 2000 MH ID No.'s | THE OLD MH ID No.'s | THE OLD RIM ELEVATION | INVERT ELEVATION (unchanged) |
|-------------------------|------------------------|--------------------------|------------------------------------|
| 31 | 1 | 233.561 | 224.721 |
| 3 | 3 | 233.933 | 225.833 |
| 8 | 8 | 234.752 | 225.702 |
| 27 | 10 | 235.818 | 226.328 |
| 13 | 13 | 235.084 | 224.034 |
| 21 | 21 | 235.162 | 224.852 |
| 33 | 25 | 235.177 | 225.137 |

NOTE: New risers and revisions to manholes.

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. 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.

| NO. | REVISIONS | DATE | BY |
|-----|---|----------|-----|
| 5.) | ADDED PROBES TO 92/93 WET WEATHER CELL | 08.11.28 | CJH |
| 4.) | REVISED TO DATE | 03.11.20 | WKT |
| 3.) | REVISED TO DATE | 03.10.28 | WKT |
| 2.) | REVISED LEACHATED MH AND CLEANOUT NUMBERS | 03.10.06 | WKT |
| 1.) | REVISION 1 | 89-02-02 | DGS |

| DESIGNED BY | CHECKED BY | DRAWN BY | APPROVED BY |
|-------------|------------|----------|-------------|
| DM | DM | TM/WKT | |

HOR. SCALE: 1:5000
 VERTICAL: _____
 DATE: 14 APRIL 1997

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
 PLOT DATE: 2009 01 08

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 SOLID WASTE DIVISION

BRADY ROAD LANDFILL

LEACHATE COLLECTION SYSTEM
 GENERAL PLAN

SHEET 1 OF 1
 CITY DRAWING NUMBER
SWD-D-338