

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1		DRAWING INDEX
2	10367	ALBANY STREET - 2ND MH S OF SILVER AVENUE TO 1ST MH N OF NESS AVENUE
3	10369	ARROWWOOD DRIVE N - 1ST MH E OF MORRISON STREET TO MH AT MORRISON AVENUE
4	10370	ARROWWOOD DRIVE N - MH AT IRIS STREET TO 1ST MH E OF IRIS STREET
5	10371	BANNERMAN AVENUE - MH AT DUKE STREET TO 1ST MH E OF DUKE STREET
6	10372	BEAVERBEND CRESCENT - 1ST MH E OF WHYTEWOLD ROAD TO 2ND MH E OF WHYTEWOLD ROAD
7	10373	CLIFTON STREET N - 1ST MH W OF CLIFTON STREET N TO 2ND MH W OF CLIFTON STREET N (AT W LEG)
8	10374	COLISH DRIVE (S LEG) - MH AT COTTINGHAM STREET TO 1ST MH E OF COTTINGHAM STREET
9	10375	COLLEGIATE STREET - 3RD MH N OF PORTAGE AVENUE TO 2ND MH S OF NESS AVENUE
10	10376	COLLEGIATE STREET - 1ST MH S OF NESS AVENUE TO MH AT NESS AVENUE
11	10377	CROCUS STREET - MH AT DAHLIA AVENUE TO MH AT ASTER AVENUE
12	10378	ENNISKILLEN AVENUE - 4TH MH E OF PARR STREET TO MH AT MCGREGOR STREET
13	10379	FLORA AVENUE - 1ST MH E OF ANDREWS STREET TO MH AT POWERS STREET (E)
14	10380	FORREST AVENUE - 1ST MH E OF MAIN STREET TO MH AT BALLARD CRESCENT (W LEG)
15	10381	FORREST AVENUE - 1ST MH E OF AIKINS STREET TO 2ND MH E OF AIKINS STREET
16	10382	GARDEN ROAD - MH AT PORTAGE AVENUE (SPL) TO 1ST MH S OF PORTAGE AVENUE
17	10383	GOULDING STREET - 1ST MH N OF WOLEVER AVENUE TO 2ND MH N OF WOLEVER AVENUE
18	10384	HAMPTON STREET - 1ST MH N OF PORTAGE AVENUE TO 2ND MH N OF PORTAGE AVENUE
19	10385	HARTFORD AVENUE - 1ST MH E OF JONES STREET TO MH AT JONES STREET
20	10386	KATE STREET - MH AT WILLIAM AVENUE TO MH AT BANNATYNE AVENUE
21	10387	KILDARROCH STREET - MH AT E OF CHURCH AVENUE TO MH AT E OF MACKRAY AVENUE
22	10388	KING EDWARD STREET - MH AT WILLIAM AVENUE W TO MH AT BANNATYNE AVENUE W
23	10389	KINGSBURY AVENUE - MH AT AIKINS STREET (E LEG) TO MH AT AIKINS STREET (W LEG)
24	10391	LOMBARD AVENUE - 1ST MH W OF WESTBROOK STREET TO 2ND MH W OF WESTBROOK STREET
25	10392	MACHRAY AVENUE - 1ST MH E OF ANDREWS STREET TO MH POWERS STREET
26	10393	MAIN STREET (W PL) - MH AT LEILA AVENUE TO MH AT NEWTON AVENUE (S PL)
27	10394	MCADAM AVENUE - MH AT PARR STREET TO 1ST MH E OF PARR STREET
28	10395	MCCURDY STREET - 2ND MH S OF MACKLIN AVE TO 1ST MH S OF MACKLIN AVE
29	10396	MOSTYN PLACE - 1ST MH E COLONY STREET TO NODE AT COLONY STREET
30	10397	OAKDEAN BOULEVARD - MH AT EMO AVENUE TO 1ST MH S OF EMO AVENUE
31	10398	PRIMROSE CRESCENT - 1ST MH N OF PRIMROSE CRESCENT (S LEG) TO 2ND MH N OF PRIMROSE CRESCENT (S LEG)
32	10399	ROSS AVENUE - MH AT ISABEL STREET (E PL) TO 1ST MH E OF ISABEL STREET
33	10400	ROW AT DEE STREET - MH AT PACIFIC AVENUE W TO MH AT ALEXANDER AVENUE W
34	10401	SCOTIA STREET - 1ST MH S OF LEILA AVENUE TO MH AT LEILA AVENUE
35	10402	SELKIRK AVENUE - MH AT MCNICHOL STREET (E PL) TO 1ST MH E OF MCNICHOL STREET
36	10403	SHULTZ STREET - 1ST MH S OF JARVIS AVENUE TO MH AT JARVIS AVENUE
37	10404	SMITHFIELD AVENUE - 1ST MH E OF MCGREGOR STREET TO MH AT MCGREGOR STREET (E)
38	10405	SPRUCE STREET - 1ST MH N OF ELLICE AVENUE TO MH AT DAUPHIN AVENUE
39	10406	STRATHMILLAN STREET - MH AT LODGE AVENUE TO 1ST MH S OF LODGE AVENUE (E)
40	10407	STREILEIN CRESENT - MH AT HEFT CRESENT TO 1ST MH W OF HEFT CRESENT
41	10408	TEAKWOOD AVENUE - 1ST MH E OF DAFFODIL STREET TO 2ND MH E OF DAFFODIL STREET
42	10409	WHYTEWOLD ROAD - 2ND MH S OF LODGE AVENUE TO 2ND MH N OF PORTAGE AVENUE
43	10410	WILLIAM AVENUE W - 2ND MH E OF KEEWATIN STREET TO MH AT WORTH STREET (E)
44	10411	WOLSELEY AVENUE - 2ND MH W OF MARYLAND STREET TO MH AT WALNUT STREET
45	10433	ASHBURN STREET - 1ST MH S OF ST MATTHEWS AVENUE TO MH AT MATTHEWS AVENUE

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℓ	PROPERTY LINE
ℓ	CENTER LINE
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
B.M.	BENCH MARK
TH	TEST HOLE
ELEV	ELEVATION
INV	INVERT
MIN	MINIMUM
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
ABAND	ABANDONED
BLDG	BUILDING
HSE	HOUSE
C/S	CURB STOP
MTS	MANITOBA TELEPHONE SYSTEM
R.O.W.	RIGHT-OF-WAY
WM	WATERMAIN
CULV	CULVERT
MH	MANHOLE
CB	CATCH BASIN
CI	CURB INLET
VERT.	VERTICAL
HORZ.	HORIZONTAL
I.B.	IRON BAR
FIBRE	FIBRE OPTIC
X-ING	CROSSING
HYD	HYDRANT
EXIST	EXISTING
N	NORTH
E	EAST
S	SOUTH
W	WEST
W/	WITH
C/W	CONSTRUCTED WITH
CONC	CONCRETE
AC	ASBESTOS CEMENT
VC OR CLAY	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCOP	PRESTRESSED CONCRETE CYLINDER PIPE

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE	—	—
FIRE HYDRANT	⊙	⊙
VALVE	⊗	⊗
CURB STOP	♂	♂
REDUCER	◁	◁
COUPLING OR SLIDER	X	X
CROSS	⊕	⊕
BEND - 11.25°, 22.5°, 45°, 90°	⋈	⋈
TEE	⋈	⋈
VERTICAL BEND	H	H
ANODE	⊕	⊕
REPAIR MARKER	⊕	⊕
PLUG	J	J
SEWER PIPE	—	—
MANHOLE	○	●
CATCH BASIN	□	■
CURB INLET	▽	▽
JUNCTION	⋈	⋈
ℓ DITCH	→	→
CULVERT	—	—
SURVEY BAR	⊕	⊕
SURVEY MONUMENT	⊕	⊕
TREE - DECIDUOUS	⊕	⊕
TREE - CONIFEROUS	⊕	⊕
HYDRO	—	—
HYDRO POLE	⊕	⊕
LAMP STANDARD	⊕	⊕
HYDRO POLE W/STREET LIGHTING	⊕	⊕
POLE	⊕	⊕
GUY ANCHOR	⊕	⊕
M.T.S. POLE	⊕	⊕
PEDESTAL OR BOX	⊕	⊕
CABINET	⊕	⊕
M.T.S.	⊕	⊕
TRAFFIC SIGNALS	⊕	⊕
TRAFFIC LIGHT STANDARD	⊕	⊕
GAS	⊕	⊕
STEAM	⊕	⊕
FIBRE OPTIC	⊕	⊕
FENCE	X	X
EDGE OF PAVEMENT OR GUTTER	—	—
EDGE UNPAVED OR GRAVEL ROAD	—	—
ℓ	—	—
PROJECTED ℓ	—	—
LOT LINE	—	—
SIDEWALK - PATHWAY	—	—
EASEMENT	—	—
EDGE OF BUILDING	—	—
MAILBOX	⊕	⊕
TEST HOLE	⊕	⊕
TREE LINE OR BUSH	—	—

CONSTRUCTION NOTES

- ALL PIPE SHALL HAVE CLASS B - TYPE 2 BEDDING
- INSTALL SEWER BY TRENCHLESS METHODS.
- CONFIRM THE LOCATION OF ALL SEWER SERVICES.
- BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
- BACKFILL IN BOULEVARD TO BE CLASS 5.
- RENEW SEWER SERVICES TO ℓ.
- INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

HATCH PATTERNS

AREA OF REPAIR ON PIPE

52.0
MEASUREMENT TO REPAIR FROM REFERENCE MH SHOWN THUS...
MH

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. ELEV. COSTRUCTION COMPLETION DATE: YYYY MM DD	ENGINEER'S SEAL ORIGINAL SIGNED BY S.R.J. COURNOYER 12-11-07		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
	NO. REVISIONS DATE BY	DESIGNED BY NC CHECKED BY SC DRAWN BY CJH APPROVED BY KZ SCALE: HORIZONTAL VERTICAL RELEASED FOR CONSTRUCTION	CONSULTANT DRAWING NUMBER —		2012 SEWER RENEWALS & REPAIRS SHEET 1 OF 45 CITY DRAWING NUMBER

PLOT DATE: 2012 11 06

BID OPPORTUNITY: 825-2012
CONTRACT NUMBER: 12

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