

DRAWING INDEX

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3	11838	ALEX TAYLOR DRIVE (W LEG) - 4TH MH S OF FOXBOROUGH RD TO MH AT BLAIRMOREGARDENS(NLG)
4	11839	BOND STREET - MH AT WHITTIER AV W TO MH AT KILDARE AV W
5	11840	BREWSTER STREET BY E LEG - 1ST MH N OF KILDARE AV W TO MH AT NPL
6	11841	BREWSTER STREET - MH AT LETHBRIDGE AV TO MH AT CLOVERDALE DR
7	11842	CAMELOT COURT - 1ST MH W OF REDONDA ST TO 2ND MH W OF REDONDA ST
8	11843	CROSSGATE ROAD - 1ST MH N WHITEHALL BV TO MH AT WHITEHALL BV
9	11844	DAY STREET - MH AT WHITTIER AV W TO MH AT KILDARE AV W CL
10	11845	DOWLING AVENUE E - MH AT WABASHA ST TO 1ST MH W OF WABASHA ST
11	11846	GABLES COURT (W LEG) - 1ST MH N OF KILDARE AV E TO MH AT KILDARE AV E
12	11847	GILLES CRESCENT (W LEG) - MH AT GILLES CR N LEG TO MH AT HATCHER RD
13	11848	HARVARD AVENUE W - 2ND MH W OF WINONA ST TO 1ST MH W OF WINONA ST
14	11849	HOKA STREET - MH AT ROSSEAU AV W TO MH AT HARVARD AV W
15	11850	HORTON AVENUE W - MH AT WINONA ST TO 1ST MH W OF BOND ST
16	11851	HOSKIN AVENUE - 1ST MH W OF LONDON ST TO 2ND MH W OF LONDON ST
17	11852	KERNAGHAN AVENUE - 5TH MH W OF HOKA ST TO 6TH MH W OF HOKA ST
18	11853	KILDARE AVENUE E - MH AT MCMEANS AV E TO MH AT ZAWALY BY E LEG
19	11854	KNIGHTSBRIDGE DRIVE - MH AT MEADOWWOOD DR TO 1ST MH N OF MEADOWWOOD DR
20	11855	LARSEN AVENUE - 1ST MH W OF BRAZIER ST TO 2ND MH W OF BRAZIER ST
21	11856	LARSEN AVENUE - 2ND MH W OF BRAZIER ST TO MH AT HENDERSON HWY
22	11857	LEOLA STREET - MH AT WHITTIER AV E TO MH AT KILDARE AV E
23	11858	LETHBRIDGE AVENUE - 1ST MH E OF KOOTENAYCR (WLEG) TO MH AT KOOTENAYCR (WLEG)
24	11859	MCMEANS AVENUE E (WPL) - MH AT BINSARTH ST TO MH AT KILDARE AV E
25	11860	MCMEANS AVENUE E (SPL) - MH AT ALEX TAYLOR DR TO MH AT MCMEANS SERV RD N
26	11861	MCMEANS SERV RD (S LEG) - 1ST MH W OF MCMEANS AV E TO MH AT MCMEANS AV E
27	11862	NEIL AVENUE - 4TH MH W OF WATT ST TO 3RD MH W OF WATT ST
28	11863	NEWMAN AVENUE W - MH AT HOKA ST (E OF CL) TO MH AT HOKA ST (E CURB)
29	11864	PANDORA AVENUE E - 1ST MH E OF ROANOKE ST TO MH AT ROANOKE ST
30	11865	PANDORA AVENUE E - 2ND MH E OF WAYOATA ST TO 1ST MH E OF WAYOATA ST
31	11866	PARK CIRCLE (W LEG) - 1ST MH N OF RAVELSTON AV E TO MH AT WABASHA ST
32	11867	REDONDA STREET - 2ND MH S OF KILDARE AV E TO 1ST MH S OF KILDARE AV E
33	11868	REDONDA STREET - 4TH MH S OF KILDARE AV TO 3RD MH S OF KILDARE AV
34	11869	REDONDA STREET (E PL) - MH AT PANDORA AV E TO 1ST MH N OF PANDORA AV E
35	11870	REDONDA STREET (E PL) - 1ST MH N OF VICTORIA AV E TO 2ND MH N OF VICTORIA AV E
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37	11872	REGENT AVENUE W - 1ST MH E OF WINONA ST TO MH AT WINONA ST
38	11873	ROSSEAU AVENUE E - 1ST MH E OF LEOLA ST TO 2ND MH E OF LEOLA ST
39	11874	SARK CRESCENT - 2ND MH S VICTORIA AV E TO 1ST MH S VICTORIA AV E
40	11875	VICTORIA AVENUE E - MH AT BERLADE ST TO MH AT SARK SR
41	11876	VISTA AVENUE - MH N.E. CUL DE SAC TO 10TH MH E. OF ST MARYS RD.
42	11877	WABASHA STREET - MH AT PANDORA AV E TO MH AT MELROSE AV E
43	11878	WABASHA STREET - MH AT KERN DR TO MH AT WHITTIER AV E
44	11879	WAYOATA STREET - 1ST MH N OF COLDSTREAM AV TO MH AT HARVARD AV. E.
45	11880	WINTERTON AVENUE - 1ST MH W OF BRAZIER ST TO 2ND MH W OF BRAZIER ST
46	11881	WOODYDELL AVENUE - 2ND TO 3RD MH W. OF DAKOTA ST.
47	11882	WYNFORD DRIVE (W LEG) - MH AT AINSDALE WY TO 1ST MH S OF AINSDALE WY
48	11883	YALE AVENUE E - 1ST MH E OF KANATA ST TO MH AT KANATA ST

HATCH PATTERNS

EXTERNAL POINT REPAIR LOCATION

CONSTRUCTION NOTES

- CONFIRM LOCATIONS OF ALL SEWER SERVICES.
- EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA, INCLUDING SIDEWALKS, SHALL BE CLASS 3 BACKFILL.
- EXCAVATIONS MORE THAN 1 METRE FROM PAVEMENT SHALL BE CLASS 5 BACKFILL.

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
R	PROPERTY LINE
CL	CENTER LINE
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
B.M.	BENCH MARK
TH	TEST HOLE
ELEV	ELEVATION
INV	INVERT
MIN	MINIMUM
MAX	MAXIMUM
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
ABAND	ABANDONED
BLDG	BUILDING
HSE	HOUSE
CRN	CORNER
OPP	OPPOSITE
C/S OR S/C	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
TYP	TYPICAL
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	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE

LEGEND

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

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.

NO.	ISSUED FOR TENDER	DATE	BY
1	ISSUED FOR TENDER	19.01.02	RS
NO.	REVISIONS	DATE	BY

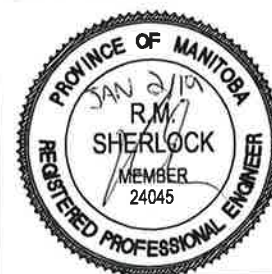


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DESIGNED BY	RS	CHECKED BY	RS
DRAWN BY	SC	APPROVED BY	RS
HOR. SCALE:	1:500	RELEASED FOR CONSTRUCTION:	
VERTICAL:		DATE	01/02/19
DATE	18.10.29		

ENGINEER'S SEAL



CONSULTANT DRAWING NO.
G-102



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2018 SEWER RENEWALS BY CIPP LINING

CONTRACT 7

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CAD FILE DRAWING NUMBER	
18120g-102-922.dwg	
CITY DRAWING NUMBER	
11836	

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