

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	12392	COVER PAGE
2	12393	INDEX PAGE
3	12394	BEDSON STREET
4	12395	BARRON DRIVE (W LEG) - 1ST MH S OF DICKENS DR TO MH AT ASSINIBOINE GR
5	12396	BARRON DRIVE (W LEG) - 2ND MH N OF ASSINIBOINE AVE TO 1ST MH N OF ASSINIBOINE AVE
6	12397	WHITEGATES CRESCENT (S LEG) - 3RD MH N OF ASSINIBOINE AVE TO 2ND MH N OF ASSINIBOINE AVE
7	12398	WORDSWORTH WAY (S LEG) - 1ST MH E OF MAUREEN ST TO MH AT MAUREEN ST
8	12399	AMUNDSEN BAY (N LEG) - 4TH MH W OF CARROLL RD TO 3RD MH W OF CARROLL RD
9	12400	ALDRICH AVENUE - MH AT WESTWOOD DR TO 1ST MH W OF WESTWOOD DR
10	12401	COLUMBUS CRESCENT (N LEG) - 1ST MH E OF SHELLEY ST TO MH ON SHELLEY ST
11	12402	ROBERT SERVICE BAY (W LEG) - MH AT ERLANDSON DR TO MH AT CARROLL RD
12	12403	ASSINIBOINE AVENUE - MH AT ROBERT SERVICE BY (S LEG) TO 1ST MH N OF ROBERT SERVICE BY (S LEG)
13	12404	WALLASEY STREET - 1ST MH E OF CARROLL RD TO MH AT CARROLL RD
14	12405	LODGE AVENUE - 3RD MH S OF LODGE AVE TO 4TH MH S OF LODGE AVE
15	12406	LODGE AVENUE - MH AT OLIVE ST TO 1ST MH E OF OLIVE ST
16	12407	LODGE AVENUE - 1ST MH E OF OLIVE ST TO MH AT WHYTEWOLD AVE
17	12408	PALLISER AV (N LEG) - 2ND MH W OF MOUNT ROYAL RD TO 1ST MH W OF MOUNT ROYAL RD
18	12409	PALLISER AV (N LEG) - 1ST MH W OF MOUNT ROYAL RD TO MH AT MOUNT ROYAL RD
19	12410	SHARP BOULEVARD - 1ST MH N OF LODGE AVE TO 1ST MH S OF BRUCE AVE
20	12411	SHARP BOULEVARD - 1ST MH S OF BRUCE AVE TO MH AT BRUCE AVE
21	12412	DUFFIELD STREET - 2ND MH S OF LODGE AVE TO 1ST MH S OF LODGE AVE
22	12413	DUFFIELD STREET - 1ST MH N OF LODGE AVE TO 2ND MH N OF LODGE AVE
23	12414	DUFFIELD STREET - 1ST MH S OF BRUCE AVE TO MH AT BRUCE AVE
24	12415	NOTRE DAME AVENUE - 1ST MH E OF KING EDWARD ST TO 2ND MH E OF KING EDWARD ST
25	12416	BROOKLYN STREET - 1ST MH S OF SILVER AVE TO 2ND MH S OF SILVER AVE
26	12417	WINSTON DRIVE - 1ST MH N OF ASSINIBOINE AVE TO MH AT ASSINIBOINE AVE
27	12418	DUBLIN AVENUE - 2ND MH W NOTRE DAME AVE TO 1ST MH W NOTRE DAME AVE
28	12419	WELLINGTON AVENUE - 1ST MH W OF STRATHCONA ST TO 2ND MH W OF STRATHCONA ST
29	12420	STRATHCONA STREET - 2ND MH N OF ST MATTHEWS AVE TO 1ST MH N OF ST MATTHEWS AVE
30	12421	TELFER STREET N - 3RD MH S OF ELLICE AVE TO 4TH MH S OF ELLICE AVE
31	12422	BURROWS AVENUE - 1ST MH E OF SHEPPARD ST TO 2ND MH E OF SHEPPARD ST
32	12423	ST. MATTHEWS AVENUE - 1ST MH E MINTO ST TO SEWER AT MINTO ST
33	12424	ARLINGTON STREET - 1ST MH S OF PORTAGE AVE TO MH AT PRESTON AVE
34	12425	BANNERMAN AVENUE - MH AT MCPHILLIPS ST TO 1ST MH E OF MCPHILLIPS ST
35	12426	WILLIAM AVENUE - 2ND MH W OF ARLINGTON ST TO 3RD MH W OF ARLINGTON ST
36	12427	BEVERLEY STREET - MH AT ELLICE AVE (NPL) TO MH AT ELLICE AVE (CL)
37	12428	BEVERLEY STREET - 2ND MH N OF ELLICE AVE TO 1ST MH N OF ELLICE AVE
38	12429	WALNUT STREET - MH AT DUNDURN PL (CL) TO MH AT DUNDURN PL (NPL)
39	12430	WALNUT STREET - MH AT DUNDURN PL (NPL) TO MH AT WESTMINSTER AVE
40	12431	MIDDLE GATE - MH AT BLANCHARD AVE TO 1ST MH NW OF BLANCHARD AVE
41	12432	WEST GATE - 1ST MH SE OF BLANCHARD AVE TO MH AT BLANCHARD AVE
42	12433	ANDREWS STREET - 1ST MH N OF ST. JOHNS AVE TO MH AT ANDERSON AVE
43	12434	LUXTON AVENUE - MH AT POWERS (CL) ST TO MH AT POWERS ST (WPL)
44	12435	ST. JOHNS PARK - 1ST MH E OF MAIN ST TO MH AT MAIN ST (EPL)
45	12436	LUXTON AVENUE - 3RD MH E OF MAIN ST TO 4TH MH E OF MAIN ST
46	12437	MCADAM AVENUE - MH AT JONES ST TO 1ST MH W OF JONES ST
47	12438	ROYAL AVENUE - 1ST MH E OF ANDREWS ST TO MH AT ANDREWS ST
48	12439	MAIN STREET - MH AT BELMONT AVE TO 1ST MH S OF BELMONT AVE
49	12440	KILBRIDE AVENUE - 2ND MH E OF MAIN ST TO 1ST MH E OF MAIN ST
50	12441	KINGSBURY AVENUE - MH AT MAIN ST (W OF CL) TO NODE AT MAIN ST (E OF CL)
		MAIN STREET - MH AT ARMSTRONG AVE TO NODE AT NEWTON AVE

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
P	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	⊕	⊕
BEND - 11.25', 22.5', 45', 90'	⋈	⋈
TEE	⊕	⊕
VERTICAL BEND	⋈	⋈
ANODE	⊕	⊕
REPAIR MARKER	⊕	⊕
PLUG	J	J
SEWER PIPE	—	—
MANHOLE	⊙	⊙
CATCH BASIN	⊙	⊙
CURB INLET	▽	▽
JUNCTION	⊕	⊕
⊕ 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., SHAW, OR VIDEON	—	—
TRAFFIC SIGNALS	—	—
TRAFFIC LIGHT STANDARD	⊕	⊕
GAS	—	—
STEAM	—	—
FIBRE OPTIC	—	—
FENCE	—	—
EDGE OF PAVEMENT OR GUTTER	—	—
EDGE UNPAVED OR GRAVEL ROAD	—	—
⊕	—	—
PROJECTED ⊕	—	—
LOT LINE	—	—
SIDEWALK - PATHWAY	—	—
EASEMENT	—	—
EDGE OF BUILDING	▨	▨
TEST HOLE	⊕	⊕
TREE LINE OR BUSH	—	—

LOCATION APPROVED UNDERGROUND STRUCTURES

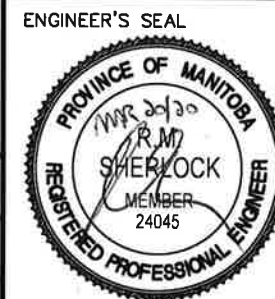
SUPV. U/G STRUCTURES COMMITTEE DATE

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.	REVISIONS	DATE	BY
2	ISSUED FOR TENDER	20.03.20	RS
1	ISSUED FOR REVIEW	20.03.09	RS

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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	20.01.06



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THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2019 SEWER RENEWALS BY CIPP LINING
CONTRACT 7
INDEX PAGE

SHEET	OF
02	50
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