

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	13386	COVER PAGE
2	13387	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	13388	BANNATYNE AVENUE WEST – MH AT CAMPION STREET TO MH AT CECIL STREET
4	13389	BATHGATE BAY (N. LEG) – MH AT BATHGATE BAY (N. LEG) TO MH AT CRANE AVENUE
5	13390	BRAEMAR AVENUE – 1ST MH S OF CATON STREET TO MH AT CARRIERE AVENUE
6	13391	BREDIN DRIVE – 3RD MH S OF ROOSEVELT PLACE TO MH AT BREDIN DRIVE (S-LEG)
7	13392	BRISBANE AVENUE – 1ST MH W OF BELAIR ROAD TO MH AT MARSHALL BAY
8	13393	COLLEGE AVENUE – MH AT SALTER STREET TO MH E OF SALTER STREET
9	13394	COLONY STREET (EASEMENT) – 2ND MH E OF GRANITE WAY TO NODE
10	13395	CRANE AVENUE – MH AT PHEASANT STREET TO MH AT GARNET BAY (E.LEG)
11	13396	CRANE AVENUE – 1ST MH E OF PHEASANT STREET TO MH AT SANDRA BAY (W.LEG)
12	13397	DAWSON ROAD NORTH – 3RD MH SE OF RUE MESSIER TO 2ND MH SE OF RUE MESSIER
13	13398	EASEMENT N OF ST.VITAL ROAD – 1SR CB E OF TOD DRIVE TO TIE-IN
14	13399	EAST GATE – 1ST MH E OF MIDDLE GT TO MH AT MIDDLE GT
15	13400	ELGIN AVENUE WEST – 1ST MH W OF CECIL STREET TO MH AT CECIL STREET
16	13401	HOLLY AVENUE – MH AT BUXTON ROAD TO MH AT SOUTH DRIVE
17	13402	KAVANAGH STREET – MH AT ARCHIBALD AVENUE TO 1ST MH W OF ARCHIBALD AVENUE
18	13404	LANE (SOUTH OF DUCHARME AVENUE) – 1ST MH E OF HOUE DR (E-LEG) TO MH AT HOUE DRIVE (E-LEG)
19	13405	LORD AVENUE – 1ST MH S OF LEMAY AVENUE TO 2ND MH S OF LEMAY AVENUE
20	13406	MANAHAN AVENUE – 1ST MH W OF PEMBINA HIGHWAY TO MH AT PEMBINA HIGHWAY (W R)
21	13407	MARSHALL BAY (W-LEG) – MH AT MARSHALL BAY (S-LEG) TO MH AT BELAIR ROAD
22	13408	MCDUGALL STREET – CB AT KEBIR PLACE (N R) TO 1ST MH S OF HOLLY AVENUE
23	13409	MCMICKEN STREET – MH AT SARGENT AVENUE TO 1ST MH N OF SARGENT AVENUE
24	13410	MCMICKEN STREET – 1ST MH S OF ELLICE AVENUE TO 2ND MH S OF ELLICE AVENUE
25	13411	PEMBINA HIGHWAY (Q) – 2ND MH N OF DUCHARME AVENUE TO 1ST MH N OF DUCHARME AVENUE
26	13412	PEMBINA HIGHWAY (E R) – 1ST MH S OF DE L'EGLISE AVENUE TO MH AT DE L'EGLISE AVENUE
27	13413	PEMBINA HIGHWAY – 1ST MH N OF GRANDMONT BOULEVARD TO NODE AT PEMBINA HIGHWAY (E OF Q)
28	13414	PORTAGE AVENUE (Q) – MH AT FURBY STREET (E R) TO 1ST MH E OF FURBY STREET
29	13415	ROBLIN BOULEVARD – 2ND MH E OF GREENBRIER AVENUE TO 3RD MH E OF AT GREENBRIER AVENUE
30	13416	ROBLIN BOULEVARD – 1ST CULVERT E OF DIEPPE ROAD EASEMENT TO TIE-IN S-MA70146712
31	13417	SANDRA BAY (E-LEG) – MH AT SANDRA BAY (N-LEG) TO MH AT CRANE AVENUE
32	13418	ST JOHN'S AVENUE – MH AT SALTER STREET TO MH AT AIKINS STREET
33	13419	YOUNG STREET – 4TH MH N OF BALMORAL STREET TO TO MH AT BROADWAY

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
R	PROPERTY LINE
E	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
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE

LEGEND

DESCRIPTION	ABANDONED	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	H	H	H
ANODE		⊕	⊕
REPAIR MARKER		⊕	⊕
PLUG	J	J	J
SEWER PIPE	---	---	---
MANHOLE	○	○	○
CATCH BASIN	□	□	□
CURB INLET	∇	∇	∇
JUNCTION	⊥	⊥	⊥
ε 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		---	---
PROJECTED R		---	---
LOT LINE		---	---
SIDEWALK – PATHWAY		---	---
EASEMENT		---	---
EDGE OF BUILDING		---	---
MAILBOX		⊕	⊕
TEST HOLE		⊕	⊕
TREE LINE OR BUSH		⊕	⊕

HATCH PATTERNS



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 R.
- INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

52.0
MEASUREMENT TO REPAIR FROM REFERENCE MH SHOWN THUS... 0.0 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. _____ CONSTRUCTION COMPLETION DATE: --	DESIGNED BY: RG CHECKED BY: SC DRAWN BY: AOM APPROVED BY: SC SCALE: HORIZONTAL VERTICAL RELEASED FOR CONSTRUCTION CONSULTANT DRAWING NUMBER: _____	Digitally signed by Stacy Cournoyer, P. Eng. CONSULTANT DRAWING NUMBER: _____	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION 2024 SEWER RENEWALS and EXTERNAL POINT REPAIRS CONTRACT #7 INDEX	SHEET 2 OF 33 CITY DRAWING NUMBER
	00 ISSUED FOR TENDER 2024/11/28 SC NO. REVISIONS DATE BY				DATE 2024 11 28 PLOT DATE: 2024 11 28

13387