DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	11896	COVER PAGE
2	11897	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	11898	ASSINIBOINE CR (S–LEG) – 1ST MH W OF ASSINIBOINE CR (E–LEG)
4	11899	BANNERMAN AVENUE – MH AT POWERS STREET
5	11900	BEST STREET – 2ND MH S OF PORTAGE AVENUE TO 3RD MH S OF PORTAGE AVENUE
6	11901	BISCAYNE BAY (W–LEG) – 2ND MH S OF MCGILLIVRAY PLACE
7	11902	BRAINTREE CRESCENT (S–LEG) – 1ST MH W OF CORNWALL (E–LEG) TO MH AT LADYWOOD DRIVE
8	11903	COLONY STREET – MH AT ELLICE AVENUE (AT BALMORAL STREET) TO 1ST MH S OF ELLICE AVENUE
9	11904	CUTHBERTSON AVENUE – MH AT KELVIN BOULEVARD TO MH AT HOSMER BOULEVARD
10	11905	DUFFIELD STREET – 1ST MH S OF BRUCE AVENUE TO MH AT BRUCE AVENUE
11	11906	EASEMENT (N OF HIGGINS AVENUE) – 1ST HM E OF MCPHILLIPS STREET TO PLUG AT MCPHILLIPS STREET
12	11907	HOME STREET – MH AT ELLICE AVENUE
13	11908	FORT STREET (CL) – 1ST MH S OF BROADWAY TO 1ST MH N OF ASSINIBOINE AVENUE
14	11909	FURBY STREET – MH AT WESTMINSTER AVENUE (S–PL) TO 1ST MH N WESTMINSTER AVENUE
15	11910	GROSVENOR AVENUE – 1ST MH W OF WILTON STREET (CL) TO MH AT WILTON STREET (CL)
16	11911	HOSMER BOULEVARD – MH AT CUTHBERTSON AVENUE
17	11912	MADERA CRESCENT (S–LEG) – 1ST MH SE OF SHEPPARD STREET TO MH AT SHEPPARD STREET
18	11913	MORAY STREET – 5TH MH S OF LODGE AVENUE TO 4TH MH S OF LODGE AVENUE
19	11914	PARK BOULEVARD NORTH – MH AT NANTON BOULEVARD
20	11915	PARKVIEW STREET – 1ST MH S OF ST MATTHEWS AVENUE TO MH AT ST MATTHEWS AVENUE
21	11916	PARKVIEW STREET – 2ND MH N OF PORTAGE AVENUE TO 2ND MH S OF NESS AVENUE
22	11917	RIVIERA AVENUE – MH AT PEMBINA HIGHWAY CL TO MH AT RIVIERA CRESCENT E OF CL
23	11918	RUPERTSLAND AVENUE – 1ST MH W OF AIKINS STREET TO MH AT AIKINS STREET
24	11919	SARGENT AVENUE – MH W OF MCGEE STREET (CL) TO MH AT MCGEE STREET (CL)
25	11920	SMITH STREET – 1ST MH N OF GRAHAM AVENUE TO 2ND MH N OF GRAHAM AVENUE
26	11921	THOMPSON DRIVE – MH AT PORTAGE AVENUE (N–PL)
27	11922	WESTMINSTER AVENUE – MH AT CHESTNUT
28	11923	WOODFIELD BAY (N LEG) – 1ST MH E OF CATHCART STREET TO MH AT CATHCART STREET

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
℄	PROPERTY LINE
℄	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

CONSTRUCTION NOTES

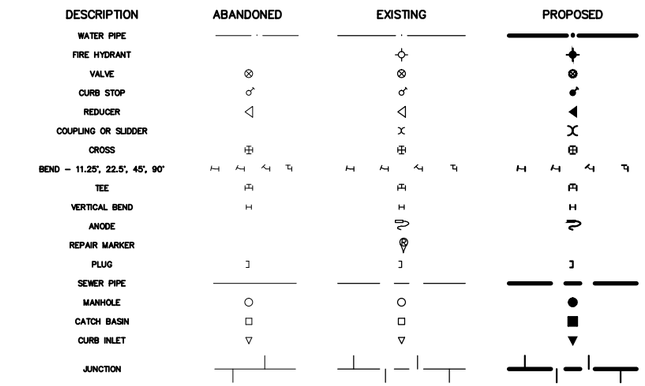
1. ALL PIPE SHALL HAVE CLASS B – TYPE 2 BEDDING
2. INSTALL SEWER BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
5. BACKFILL IN BOULEVARD TO BE CLASS 5.
6. RENEW SEWER SERVICES TO ℄.
7. INSTALL SEWER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

HATCH PATTERNS

AREA OF REPAIR ON PIPE

LEGEND

PLAN VIEW



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.

NO.	REVISIONS	DATE	BY

DESIGNED BY	MJK	CHECKED BY	SC
DRAWN BY	AJ	APPROVED BY	KZ
SCALE: HORIZONTAL VERTICAL		RELEASED FOR CONSTRUCTION	K.ZUREK
DATE	2019 01 08	DATE	2019 01 08

PLOT DATE: 2018 05 16

ENGINEER'S SEAL

ORIGINAL SIGNED BY S.R.J. COURNOYER 19/01/08

CONSULTANT DRAWING NUMBER

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BID OPPORTUNITY: 1178–2018
CONTRACT NUMBER: 1

FILE PATH: R:\DRAWINGS\SEWER\2018 RENEWALS\RENEWALS & ASSOCIATED WORKS\CONTRACT 1\
FILE NAME: INDEX PAGE.dwg

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2018 SEWER MAIN RENEWALS
CONTRACT 1

INDEX PAGE

SHEET 2 OF 28

CITY DRAWING NUMBER

11897