DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
27	12012	ELLICE AVENUE – NODE W OF WALL STREET TO MH AT WALL STREET
28	12013	FORREST AVENUE – 1ST MH E OF MCGREGOR STREET TO MH AT ANDREWS STREET
29	12014	HUTCHINGS STREET – MH AT DUNLOP AVENUE TO 1ST MH N OF DUNLOP AVENUE
30	12015	INGLEWOOD STREET – 2ND MH N OF PORTAGE AVENUE TO 2ND MH S OF BRUCE AVENUE
31	12016	JEFFERSON AVENUE – MH AT MASTERTON CRESECENT TO MH AT MARTINDALE PLACE
32	12017	KILBRIDE AVENUE – 1ST MH W OF SALTER STREET TO MH AT POWERS STREET
33	12018	MANORVIEW CLOSE (W-LEG) – MH AT MANORVIEW CLOSE (N-LEG) TOMH AT MANORVIEW CLOSE (S-LEG)
34	12019	MANSARD CLOSE (E-LEG) – 1ST MH S OF JEFFERSON AVENUE TO MH AT JEFFERSON AVENUE
35	12020	MARJORIE STREET – 2ND MH N OF PORTAGE AVENUE TO 2ND MH S OF NESS AVENUE
36	12021	MASTERTON CRESCENT (N-LEG) – 1ST MH E OF MARNIE PLACE TO MH AT MASTERTON CRESCENT (E-LEG)
37	12022	MURIEL STREET – MH AT NESS AVENUE TO 1ST MH N OF NESS AVENUE
38	12023	MURIEL STREET – 3RD MH N OF PORTAGE AVENUE TO 2ND MH N OF PORTAGE AVENUE
39	12024	OAK POINT HIGHWAY – 1ST MH NW OF EGESZ STREET TO MH AT EGESZ STREET
40	12025	PALMS BOULEVARD – MH AT WOODCROFT BAY (N-LEG) TO MH AT GREENHOVEN CRESCENT
41	12026	PEONY AVENUE – 1ST MH W OF VEBENA STREET TO MH AT VEBENA STREET
42	12027	PEONY AVENUE – 1ST MH E OF PETUNIA STREET TO MH AT PETUNIA STREET
43	12028	POWERS STREET – MH AT RUPERTSLAND AVENUE TO 1ST MH N OF RUPERTSLAND AVENUE
44	12029	ROBERT SERVICE BAY (W-LEG) – MH AT ROBERT SERVICE BAY (N-LEG) TO MH AT ROBERT SERVICE BAY (S-LEG)
45	12030	SCARFE STREET – MH AT LEAHCREST CRESCENT (S-LEG) TO TIE-IN AT ADSUM DRIVE
46	12031	ST JAMES STREET (W OF ℄) – 3RD MH S OF NOTRE DAME AVENUE TO 1ST MH S OF BANGOR AVENUE
47	12032	UNICITY MALL EASEMENT – MH AT GOSWELL ROAD TO 1ST MH S OF GOSWELL ROAD IN EASEMENT
48	12033	VALOUR ROAD – 1ST MH N OF ELLICE AVENUE TO 2ND MH N OF DAUPHIN AVENUE
49	12034	WALLASEY STREET – 2ND MH S OF LODGE AVENUE TO 1ST MH S OF LODGE AVENUE
50	12035	WATSON STREET – 2ND MH N OF STARDUST AVENUE TO 2ND MH S OF KINGSBURY AVENUE
51	12036	WHITEGATE CRESCENT – MH AT BELCOURT (N-LEG) TO MH AT SANSOME AVENUE (N-℄)
52	12037	WOODHAVEN BOULEVARD – 2ND MH S OF WOODHAVEN (N-LEG) TO MH AT WOODHAVEN BOULEVARD

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

DESCRIPTION	ABANDONED	EXISTING	PROPOSED
WATER PIPE			
FIRE HYDRANT			
VALVE			
CURB STOP			
REDUCER			
COUPLING OR SLIDDER			
CROSS			
BEND – 11.25°, 22.5°, 45°, 90°			
TEE			
VERTICAL BEND			
ANODE			
REPAIR MARKER			
PLUG			
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.			
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			
MAILBOX			
TEST HOLE			
TREE LINE OR BUSH			

52.0 MH — 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	SC	CHECKED BY	SC
DRAWN BY	RS	APPROVED BY	KZ
SCALE: HORIZONTAL VERTICAL		RELEASED FOR CONSTRUCTION	K.ZUREK
DATE	2019 01 24	DATE	2019-01-23

PLOT DATE: 2018 05 16

ENGINEER'S SEAL
ORIGINAL SIGNED BY S.R.J. COURNOYER 19/01/22

CONSULTANT DRAWING NUMBER
–

BID OPPORTUNITY: 58-2019
CONTRACT NUMBER: 4

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2018 SEWER MAIN RENEWALS
CONTRACT 4

INDEX PAGE

SHEET 3 OF 52
CITY DRAWING NUMBER
11988

FILE PATH: R:\DRAWINGS\SEWER\2018 RENEWALS\RENEWALS & ASSOCIATED WORKS\CONTRACT 4\CONSTRUCTION DWGS\
FILE NAME: INDEX PAGE_2.dwg