DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
43	12165	NORTH DRIVE – 1ST MH E OF PEMBINA HIGHWAY TO 2ND MH E OF PEMBINA HIGHWAY
44	12166	OXFORD STREET – MH AT CORYDON AVENUE TO 1ST MH S OF CORYDON AVENUE
45	12167	RANNOCK AVENUE – MH AT MUNICIPAL ROAD TO MH AT BERKLEY STREET
46	12168	RATHGAR AVENUE – 1ST MH W OF NASSAU STREET SOUTH TO MH AT NASSAU STREET SOUTH
47	12169	RIDGEDALE CRESCENT – 1ST MH N OF RIDGEDALE CRESCENT (S–LEG) TO MH RIDGEDALE CRESCENT AT (N–LEG)
48	12170	RILEY CRESCENT (W–LEG) – 1ST MH S OF DOWKER AVENUE TO MH AT DOWKER AVENUE
49	12171	RILEY CRESCENT – 1ST MH N OF DOWKER AVENUE TO 2ND MH N OF DOWKER AVENUE
50	12172	RIVERSIDE DRIVE – 1ST MH S OF MERRIAM BOULEVARD TO MH AT MERRIAM BOULEVARD
51	12173	ROBLIN BOULEVARD – MH AT ZOO BUS LOOP TO MH S ZOO BUS LOOP
52	12174	SANDRA BAY – MH AT SANDRA BAY (N–LEG) TO 1ST MH N OF CRANE AVENUE
53	12175	SHEPTON BAY – MH AT DALE BOULEVARD TO 1ST MH W OF DALE BOULEVARD
54	12176	SILVERSTONE AVENUE – MH AT TOWNSEND AVENUE TO 1ST MH E TOWNSEND AVENUE
55	12177	ST DUNSTANS BAY – 1ST MH E OF DALHOUSIE DRIVE TO MH AT DALHOUSIE DRIVE
56	12178	ST THERESE AVENUE – 2ND MH W OF ST PIERRE STREET TO 3RD MH W OF ST PIERRE STREET
57	12179	TEMPLE BAY – MH AT TEMPLE BAY (N–LEG) TO 1ST MH N PASADENA AVENUE
58	12180	THATCHER DRIVE – 2ND MH E OF UNIVERSITY CRESCENT TO MH AT THATCHER DRIVE (E–LEG)
59	12181	THATCHER DRIVE – 1ST MH E OF UNIVERSITY CRESCENT TO MH AT UNIVERSITY CRESCENT (W OF ℄)
60	12182	VILLENEUVE BOULEVARD – MH AT GENDREAU AVENUE TO 1ST MH S OF GENDREAU AVENUE
61	12183	WATERLOO STREET – 2ND MH N OF ACADEMY ROAD TO 1ST MH N OF ACADEMY ROAD
62	12184	WAVERLEY STREET (℄) – 1ST MH S OF KINGSWAY TO MH AT KINGSWAY (℄)
63	12185	WAVERLEY STREET – 5TH MH N OF CORYDON AVENUE TO MH AT GROSVENOR AVENUE
64	12186	WEDGEWOOD DRIVE – 1ST MH W THATCHER DRIVE TO MH AT THATCHER DRIVE
65	12187	WELLINGTON CRESCENT – MH AT MONTROSE STREET TO MH AT ELM STREET
66	12188	WILDWOOD C PARK (W–LEG) – 2ND MH N WILDWOOD C PARK (S–LEG) TO MH AT WILDWOOD (N–LEG)
67	12189	ZOO PARKING LOT – MH AT ROBLIN BOULEVARD (N–℘) TO 1ST MH N OF ROBLIN BOULEVARD
68	12190	ZOO SERVICE ROAD – 2ND MH S OF ASSINIBOINE PARK TO 3RD MH S OF ASSINIBOINE PARK
69	12191	ZOO SERVICE ROAD – 2ND MH S OF ASSINIBOINE PARK TO 1ST MH S OF ASSINIBOINE PARK DRIVE

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

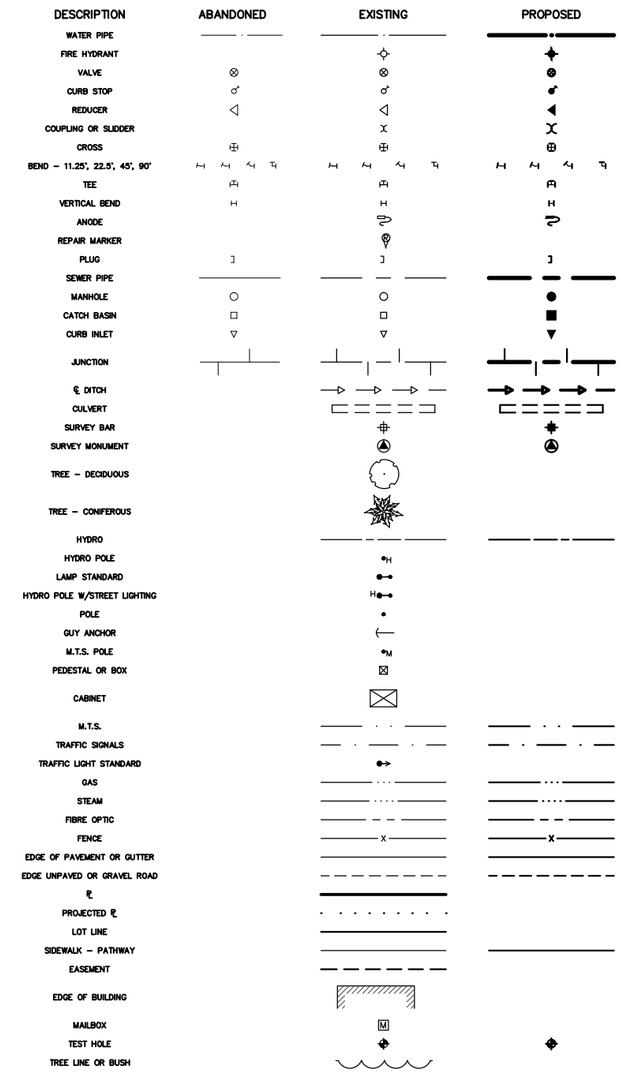
1. ALL PIPE SHALL HAVE CLASS B – TYPE 2 BEDDING
2. INSTALL SEWER BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
5. BACKFILL IN BOULEVARD TO BE CLASS 5.
6. RENEW SEWER SERVICES TO ℘.
7. INSTALL SEWER 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	SC	CHECKED BY	SC
DRAWN BY	RS	APPROVED BY	KZ
SCALE: HORIZONTAL VERTICAL		RELEASED FOR CONSTRUCTION	K.ZUREK
DATE	2019 03 06	DATE	2019 03 06

PLOT DATE: 2018 05 16

ENGINEER'S SEAL

ORIGINAL SIGNED BY S.R.J. COURNOYER 19/03/05

CONSULTANT DRAWING NUMBER

–

BID OPPORTUNITY: 146–2019
CONTRACT NUMBER: 3

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2018 SEWER MAIN RENEWALS
CONTRACT 3

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FILE NAME: INDEX PAGE.dwg