

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
48	11597	PIPELINE ROAD - 1ST MH S ADSUM DRIVE TO MH AT ADSUM DRIVE
49	11598	PORTAGE AVENUE - MH AT CLIFTON STREET S (N OF E) TO MH AT ERIN STREET
50	11599	PORTAGE AVENUE - 2ND MH W OF CONWAY STREET TO 2ND MH E OF MOUNT ROYAL ROAD
51	11600	PORTAGE AVENUE - MH AT CAMDEN PLACE (E) TO MH AT NEWMAN STREET
52	11601	RAQUETTE STREET - 2ND MH N OF ALLARD AVENUE TO 3RD MH N OF ALLARD AVENUE
53	11602	RITA STREET - 1ST MH N OF PORTAGE AVENUE TO MH AT PORTAGE AVENUE
54	11603	RIVERBEND CRESCENT - 1ST MH S OF PORTAGE AVENUE TO MH AT PORTAGE AVENUE
55	11604	ROSEBERRY STREET - MH AT SILVER AVENUE (SP) TO 1ST MH S OF SILVER AVENUE
56	11605	ROSEBERRY STREET - 1ST MH N OF NESS AVENUE TO MH AT NESS AVENUE
57	11606	ROW (EAST OF KING EDWARD STREET) - 1ST MH N OF LOGAN AVENUE TO MH AT LOGAN AVENUE
58	11607	ROWAND AVENUE (E. LEG) - 2ND MH E OF MOUNT ROYAL ROAD TO 5TH MH E OF MOUNT ROYAL ROAD
59	11608	ROWAND AVENUE (S. LEG) - 1ST MH E OF MOUNT ROYAL ROAD TO 3RD MH E OF MOUNT ROYAL ROAD
60	11609	ROWAND AVENUE (N. LEG) - MH AT MOUNT ROYAL ROAD TO 3RD MH E OF MOUNT ROYAL ROAD
61	11610	SALTER STREET - MH AT STELLA AVENUE (E) TO 1ST MH N OF STELLA AVENUE
62	11611	SHELLEY STREET - MH AT MCBEY AVENUE TO 1ST MH N OF MCBEY AVENUE
63	11612	SHERBURN STREET - 1ST MH N SARGENT AVENUE TO MH AT SARGENT AVENUE
64	11613	SIMCOE STREET - MH AT NOTRE DAME AVENUE (SE) TO 1ST MH S OF NOTRE DAME AVENUE
65	11614	SIMCOE STREET - 1ST MH N OF SARGENT AVENUE TO MH AT SARGENT AVENUE
66	11615	SMART STREET - 1ST MH N LOGAN AVENUE TO MH AT LOGAN AVENUE
67	11616	ST JAMES STREET - 4TH MH S OF ST MATTHEWS AVENUE TO 3RD MH S OF ST MATTHEWS AVENUE
68	11617	TORONTO STREET - 3RD MH S OF ST MATTHEWS AVENUE TO 2ND MH N OF PORTAGE AVENUE
69	11618	TRURO STREET - 1ST MH N OF NESS AVENUE TO MH AT NESS AVENUE (S OF E)
70	11619	VIMY ROAD - 1ST MH N OF NESS AVENUE TO MH AT NESS AVENUE
71	11620	VIMY ROAD - 1ST MH N OF PORTAGE AVENUE TO MH AT PORTAGE AVENUE
72	11621	WALL STREET - 2ND MH N OF ELLICE AVENUE (WR) TO 1ST MH N OF ELLICE AVENUE (WR)
73	11622	WELLINGTON AVENUE - 2ND MH W OF STRATHCONA STREET TO MH AT SANFORD STREET
74	11623	WESTWOOD DRIVE - MH AT WORDSWORTH WAY TO MH AT BROWNING BOULEVARD
75	11624	WHARTON BOULEVARD - MH AT NESS AVENUE (SP) TO MH AT NESS AVENUE (E)
76	11625	WINCHESTER STREET - 1ST MH N OF NESS AVENUE (WE) TO 1ST MH S OF NESS AVENUE (E)
77	11626	WINDHAM ROAD - 3RD MH S OF PORTAGE AVENUE TO MH AT ASSINBOINE CRESCENT
78	11627	WOODLANDS CRESCENT - 1ST MH S OF MCBEY AVENUE TO MH AT MCBEY AVENUE
79	11628	WOODLANDS CRESCENT - 1ST MH S OF PORTAGE AVENUE TO MH AT PORTAGE AVENUE

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
E	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	EXISTING	PROPOSED
WATER PIPE	—	—
FIRE HYDRANT	⊕	⊕
VALVE	⊗	⊗
CURB STOP	⊙	⊙
REDUCER	∇	∇
COUPLING OR SLIDDER	X	X
CROSS	⊕	⊕
BEND - 11.25', 22.5', 45', 90'	H H H H	H H H H
TEE	⊕	⊕
VERTICAL BEND	H	H
ANODE	⊕	⊕
REPAIR MARKER	⊕	⊕
PLUG	J	J
SEWER PIPE	—	—
MANHOLE	○	●
CATCH BASIN	□	■
CURB INLET	∇	∇
JUNCTION	⊕	⊕
E 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	—	—
E	—	—
PROJECTED E	—	—
LOT LINE	—	—
SIDEWALK - PATHWAY	—	—
EASEMENT	—	—
EDGE OF BUILDING	—	—
MAILBOX	⊕	⊕
TEST HOLE	⊕	⊕
TREE LINE OR BUSH	—	—

CONSTRUCTION NOTES

1. ALL PIPE SHALL HAVE CLASS B - TYPE 2 BEDDING
2. INSTALLED SEWER BY TRENCHLESS METHODS.
3. CONFIRMED THE LOCATION OF ALL SEWER SERVICES.
4. BACKFILLED UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT CLASS 3.
5. BACKFILLED IN BOULEVARD CLASS 5.
6. RENEWED SEWER SERVICES TO E.
7. INSTALLED SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

HATCH PATTERNS

■ AREA OF REPAIR ON PIPE

52.0
| MEASUREMENT TO REPAIR FROM REFERENCE MH SHOWN THUS... 0.0 MH

LOCATION APPROVED UNDERGROUND STRUCTURES

B.M. ELEV.

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

DESIGNED BY	SC	CHECKED BY	—
DRAWN BY	AJ	APPROVED BY	—
SCALE:		RELEASED FOR CONSTRUCTION	K. ZUREK
HORIZONTAL		DATE	2017 07 04
VERTICAL		DATE	2017 06 06

ENGINEER'S SEAL
ORIGINAL SIGNED BY
S.R.J. COURNOYER
17/06/05

CONSULTANT DRAWING NUMBER



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2016 SEWER RENEWALS & ASSOCIATED WORKS
CONTRACT 5

SHEET 3 OF 79

CITY DRAWING NUMBER

11552

INDEX PAGE

PLOT DATE: 2017 07 04

BID OPPORTUNITY: 343-2017
CONTRACT NUMBER: 5

FILE PATH: R:\DRAWINGS\SEWER\2016 RENEWALS\Contract 5\Construction Dwg\
FILE NAME: A INDEX PAGE 2.dwg