

**DRAWING INDEX**

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4	13324	MCPHILLIPS STREET MH AT ROSS AVENUE TO MH AT PACIFIC AVENUE
5	13325	XANTE STREET MH AT ALEXANDER AVENUE TO MH AT PACIFIC AVENUE
6	13326	DUGALD ROAD 1ST MH W OF SOFTLY ROAD TO MH AT LAGIMODIERE BOULEVARD
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8	13328	MISCELLANEOUS DETAILS

**HATCH PATTERNS**

EXTERNAL POINT REPAIR LOCATION

**CONSTRUCTION NOTES**

- CONFIRM LOCATIONS OF ALL SEWER SERVICES.
- TRENCHES AND EXCAVATIONS UNDER ROAD PAVEMENT AND/OR WITHIN 0.45m OF A ROAD PAVEMENT EDGE SHALL BE CLASS 1 BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TRENCHES AND EXCAVATIONS UNDER AND/OR WITHIN 1.0m OF ANY OTHER PAVED SURFACE, INCLUDING APPROACHES AND SIDEWALKS, SHALL BE CLASS 3 BACKFILL.
- EXCAVATIONS MORE THAN 1 METRE FROM PAVEMENT TO BE CLASS 5 BACKFILL.

**ABBREVIATIONS**

ABBREVIATION	DESCRIPTION
WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℙ	PROPERTY LINE
℄	CENTER LINE
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
B.M.	BENCH MARK
TH	TEST HOLE
ELEV	ELEVATION
INV	INVERT
MIN	MINIMUM
MAX	MAXIMUM
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
ABAND	ABANDONED
BLDG	BUILDING
HSE	HOUSE
CRN	CORNER
OPP	OPPOSITE
C/S OR S/C	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
TYP	TYPICAL
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	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
	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., SHAW, OR VIDEON
	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
	TEST HOLE
	TREE LINE OR BUSH

**LEGEND**

EXISTING	PROPOSED


**ENGINEERS  
GEOSCIENTISTS  
MANITOBA**  
 Certificate of Authorization  
 Stantec Consulting Ltd.  
 No. 1301

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.	ISSUED FOR TENDER	DATE	BY
	00	ISSUED FOR TENDER	24.04.22	RS
		REVISIONS		


**Stantec**  
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DESIGNED BY	RS	CHECKED BY	WB
DRAWN BY	ZA/OS	APPROVED BY	RS
HOR. SCALE:	1:750	RELEASED FOR CONSTRUCTION:	SC
VERTICAL:		DATE	24.04.17
DATE	23.03.02		

ENGINEER'S SEAL

CONSULTANT DRAWING NO.  
**G-002**


**THE CITY OF WINNIPEG**  
**WATER AND WASTE DEPARTMENT**  
 2024 SEWER RENEWALS BY CIPP LINING (LARGE DIAMETER)  
 CONTRACT 5  
**INDEX PAGE**

SHEET	OF
<b>02</b>	<b>08</b>
CAD FILE DRAWING NUMBER	
<b>20787g-002.dwg</b>	
CITY DRAWING NUMBER	
<b>13322</b>	

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