

### DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	LD-12146	COVER
2	LD-12147	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	LD-12148	McGREGOR STREET - SEMPLE AVENUE TO 5m SOUTH OF BURRIN AVENUE
4	LD-12149	McGREGOR STREET - 75m NORTH OF SEMPLE AVENUE TO 15m SOUTH OF ROYAL AVENUE
5	LD-12150	McGREGOR STREET - 15m NORTH OF KINGSBURY AVENUE TO 10m SOUTH OF FORREST AVENUE
6	LD-12151	McGREGOR STREET - 60m NORTH OF ROYAL AVENUE TO 50m SOUTH OF PARTRIDGE AVENUE
7	LD-12152	BURRIN AVENUE - 25m EAST OF McKENZIE STREET TO 52.5m WEST OF McGREGOR STREET
8	LD-12153	BURRIN AVENUE - 125m EAST OF McKENZIE STREET TO 125m WEST OF ANDREWS STREET
9	LD-12154	BURRIN AVENUE - 52.5m EAST OF McGREGOR STREET TO 30m WEST OF ANDREWS STREET
10	LD-12155	ROYAL CRESCENT - 60m WEST OF McGREGOR STREET TO 150m WEST OF ANDREWS STREET
11	LD-12156	ROYAL AVENUE - 30m EAST OF McGREGOR STREET TO 25m WEST OF ANDREWS STREET
12	LD-12157	ROYAL CRESCENT - 45m WEST OF McGREGOR STREET TO 125m WEST OF ANDREWS STREET
13	LD-12158	FORREST AVENUE - 55m EAST OF McGREGOR STREET TO 25m WEST OF ANDREWS STREET
14	LD-12159	STANDARD DETAILS

### ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
R	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 OR CLAY	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
FRPMP	FIBRE REINFORCED POLYMER MORTAR PIPE

### LEGEND

DESCRIPTION	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., 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		
MAILBOX		
PARKING METER		
TEST HOLE		
TREE LINE OR BUSH		
SURFACE MONITORING POINT		
UTILITY MONITORING POINT		
BUILDING MONITORING POINT		

### PROFILE

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
HYDRANT TOP		
VALVE		
TEE OR CROSS		
COUPLING OR BEND		
REDUCER		
END OF PIPE		
SEWER PIPE		
UNPAVED GROUND SURFACE		
PAVED GROUND SURFACE - ℄ PIPE		
GUTTER (NORTH AND WEST)		
GUTTER (SOUTH AND EAST)		
℄ DITCH (NORTH AND WEST)		
℄ DITCH (SOUTH AND EAST)		
STRUCTURE		
MANHOLE OR CATCH BASIN		

### HATCH PATTERNS

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL
		GRAVEL OR STONE

### CONSTRUCTION NOTES

- LOCATION OF SERVICES ON DRAWINGS ARE APPROXIMATE.
- CONFIRM LOCATION OF ALL WATER AND WASTEWATER SERVICES IN THE FIELD.
- INSTALL NEW SEWERS AND CATCHBASIN LEADS BY TRENCHLESS METHODS.
- TYPE 3 INITIAL BACKFILL MATERIAL SHALL BE USED IN PLACE OF SANDS IN SHAFTS.
- CLASS 1 BACKFILL FOR ALL SHAFTS LOCATED WITHIN 1.0m OF REGIONAL STREETS.
- CLASS 2 OR 3 BACKFILL FOR ALL SHAFTS LOCATED WITHIN 1.0m OF NON-REGIONAL STREETS.
- ALL CB LEADS TO HAVE A MINIMUM 2% SLOPE.
- TYPE 3 CLASS B BEDDING SHALL BE USED IN PLACE OF SAND IN ALL SHAFTS.
- CONNECTIONS TO NEW REINFORCED CONCRETE PIPE (RCP) LAND DRAINAGE SEWERS 600mm DIAMETER AND LARGER SHALL BE COMPLETED IN ACCORDANCE WITH SD-009.

LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE		B.M. ELEV.				ENGINEER'S SEAL ORIGINAL SIGNED BY J.A. THOMPSON 23/09/20		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
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.		1 ISSUED FOR ADDENDUM 2 23/10/11 ADL 0 ISSUED FOR TENDER 23/09/20 ADL		DESIGNED BY JAT CHECKED BY MPG DRAWN BY ADL APPROVED BY KWF SCALE: HORIZONTAL 1:250 VERTICAL 1:50 DATE 2023 10 11 RELEASED FOR CONSTRUCTION S Courmoyer		CONSULTANT DRAWING NUMBER G-1001		SHEET 2 OF 14 CITY DRAWING NUMBER LD-12147	

Certificate of Authorization  
 AECOM Canada Ltd.  
 No. 4671 Date: 23/09/20

PLOT DATE: 2023 10 11  
 Tender No: 332-2023  
 CONTRACT NUMBER: 9

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