

LEGEND

PLAN VIEW

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE	—	—
FIRE HYDRANT	+	+
VALVE	⊗	⊗
CURB STOP	⊙	⊙
REDUCER	◁	◁
COUPLING OR SLIDDER	X	X
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 VIDEO	⋈	⋈
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	X	X
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	—	—

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
PCOP	PRESTRESSED CONCRETE CYLINDER PIPE
FRPMP	FIBRE REINFORCED POLYMER MORTAR PIPE

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

CONSTRUCTION NOTES

1. LOCATION OF SERVICES ON DRAWINGS ARE APPROXIMATE.
2. CONFIRM LOCATION OF ALL WATER AND WASTEWATER SERVICES IN THE FIELD.
3. INSTALL NEW SEWERS AND CATCHBASIN LEADS BY TRENCHLESS METHODS.
4. TYPE 3 INITIAL BACKFILL MATERIAL SHALL BE USED IN PLACE OF SANDS IN SHAFTS.
5. CLASS 1 BACKFILL FOR ALL SHAFTS LOCATED WITHIN 1.0m OF REGIONAL STREETS.
6. CLASS 2 OR 3 BACKFILL FOR ALL SHAFTS LOCATED WITHIN 1.0m OF NON-REGIONAL STREETS.
7. ALL CB LEADS TO HAVE A MINIMUM 2% SLOPE.

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

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
	0	ISSUED FOR TENDER	23/09/20	ADL
REVISIONS	NO.	DATE	BY	

AECOM

DESIGNED BY JAT CHECKED BY MPG

DRAWN BY ADL APPROVED BY KWF

SCALE: HORIZONTAL 1:250 VERTICAL 1:50

RELEASED FOR CONSTRUCTION S Cournoyer

DATE 2023 09 21 DATE 23 09 20

ENGINEER'S SEAL

ORIGINAL SIGNED BY J.A. THOMPSON 23/09/20

CONSULTANT DRAWING NUMBER G-1001

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

JEFFERSON EAST COMBINED SEWER RELIEF CONTRACT 9 INDEX PAGE

SHEET 2 OF 14
CITY DRAWING NUMBER LD-12147

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