

**LEGEND**

**PLAN VIEW**

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 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		
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
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
FRPMP	FIBRE REINFORCED POLYMER MORTAR PIPE

**DRAWING INDEX**

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	LD-13041	COVER
2	LD-13042	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	LD-13043	ANDREWS STREET - HARTFORD AVENUE TO 5m SOUTH OF KILBRIDE AVENUE
4	LD-13044	ANDREWS STREET - 60m NORTH OF HARTFORD AVENUE TO 67.5m SOUTH OF SEMPLE AVENUE
5	LD-13045	ANDREWS STREET - 5m NORTH OF KILBRIDE AVENUE TO SEMPLE AVENUE
6	LD-13046	ANDREWS STREET - 32m NORTH OF SEMPLE AVENUE TO 10m SOUTH OF KINGSBURY AVENUE
7	LD-13047	ANDREWS STREET - 30m NORTH OF BURRIN AVENUE TO ROYAL AVENUE
8	LD-13048	HARTFORD AVENUE - 28m EAST OF MCGREGOR STREET TO 53m WEST OF ANDREWS STREET
9	LD-13049	HARTFORD AVENUE - 128m EAST OF MCGREGOR STREET TO 130m WEST OF ANDREWS STREET
10	LD-13050	HARTFORD AVENUE - 51m EAST OF ANDREWS STREET TO 30m WEST OF POWERS STREET
11	LD-13051	BELMONT AVENUE - MCGREGOR STREET TO 115m WEST OF ANDREWS STREET
12	LD-13052	BELMONT AVENUE - 65m EAST MCGREGOR STREET TO 15m WEST OF ANDREWS STREET
13	LD-13053	BELMONT AVENUE - 165m EAST MCGREGOR STREET TO 117m WEST OF POWERS STREET
14	LD-13054	BELMONT AVENUE - 64m EAST OF ANDREWS STREET TO 30m WEST OF POWERS STREET
15	LD-13055	KILBRIDE AVENUE - 165m EAST OF MCGREGOR STREET TO 90m WEST OF ANDREWS STREET
16	LD-13061	KILBRIDE AVENUE - 90m EAST OF MCGREGOR STREET TO 167m WEST OF POWERS STREET
17	LD-13062	KILBRIDE AVENUE - 14m EAST OF ANDREW STREET TO 42m WEST OF POWERS STREET
18	LD-13063	BURRIN AVENUE - ANDREWS STREET TO 118m WEST OF POWERS STREET
19	LD-13064	BURRIN AVENUE - 64m EAST OF ANDREWS STREET TO 17m WEST OF POWERS STREET
20	LD-13065	BURRIN AVENUE - 164m EAST OF ANDREWS STREET TO 131m WEST OF SALTER STREET
21	LD-13066	KINGSBURY AVENUE - ANDREWS STREET TO 105m WEST OF POWERS STREET
22	LD-13067	KINGSBURY AVENUE - 75m EAST OF ANDREWS STREET TO 5m WEST OF POWERS STREET
23	LD-13068	ROYAL AVENUE - ANDREWS STREET TO 83m WEST OF POWERS STREET
24	LD-13069	ROYAL AVENUE - 100m EAST OF ANDREWS STREET TO POWERS STREET

**CONSTRUCTION NOTES**

1. INSTALL NEW SEWER BY TRENCHLESS METHODS.
2. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
3. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
4. BACKFILL IN BOULEVARD TO BE CLASS 5.
5. ALL CB LEADS TO HAVE A MINIMUM 2% SLOPE.
6. EXISTING CATCHBASIN LEADS SHALL BE ABANDONED IN ACCORDANCE WITH CW2130 AND SD-021.
7. SEWER CONNECTIONS TO 600mm RCP LDS AND LARGER SHALL BE IN ACCORDANCE WITH SD-019.
8. TYPE 3 CLASS B BEDDING SHALL BE USED IN PLACE OF SAND IN ALL SHAFTS.
9. TYPE 3 INITIAL BACKFILL SHALL BE USED IN PLACE OF SAND IN ALL SHAFTS.

**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.	REVISIONS	DATE	BY
	0	ISSUED FOR TENDER	24/09/25	ADL

**AECOM**

DESIGNED BY: MJK  
CHECKED BY: MPG  
DRAWN BY: ADL  
APPROVED BY: KWF

SCALE:  
HORIZONTAL 1:250  
VERTICAL 1:50

DATE: 2024 09 24  
GATE: 2024 10 01

ENGINEER'S SEAL

CONSULTANT DRAWING NUMBER: G-1001

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

JEFFERSON EAST COMBINED SEWER RELIEF  
CONTRACT 8  
INDEX PAGE

SHEET 2 OF 24  
CITY DRAWING NUMBER: LD-13042

