DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	LD–13893	COVER
2	LD–13894	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	LD–13895	SALTER STREET – SEMPLE AVENUE TO 35m SOUTH OF KINGSBURY AVENUE
4	LD–13896	SALTER STREET – 5m NORTH OF BURRIN AVENUE TO ROYAL AVENUE
5	LD–13897	BURRIN AVENUE – 137m EAST OF POWERS STREET TO 133m WEST OF AIKINS STREET
6	LD–13898	KINGSBURY AVENUE – 62m EAST OF POWERS STREET TO 19m WEST OF SALTER STREET
7	LD–13899	KINGSBURY AVENUE – 162m EAST OF POWERS STREET TO 6m WEST OF AIKINS STREET
8	LD–13900	KINGSBURY AVENUE – 81m EAST OF SALTER STREET TO AIKINS STREET WEST
9	LD–13901	ROYAL AVENUE – 22m EAST OF POWERS STREET TO 33m WEST OF SALTER STREET
10	LD–13902	ROYAL AVENUE – 147m EAST OF POWERS STREET TO 21m WEST OF AIKINS STREET
11	LD–13903	ROYAL AVENUE – 74m EAST OF SALTER STREET TO 225m WEST OF MAIN STREET
12	LD–13904	AIKINS STREET – KINGSBURY TO ROYAL AVENUE

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
℄	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
CCFRPM	CENTRIFUGALLY CAST, FIBERGLASS–REINFORCED, POLYMER MORTAR PIPE

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 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	M	
PARKING METER	P	
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

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 CLASS B BEDDING SHALL BE USED IN PLACE OF SAND IN ALL 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.
8. TYPE 3 INITIAL BACKFILL MATERIAL SHALL BE USED IN PLACE OF SANDS IN SHAFTS.
9. CONNECTIONS TO NEW REINFORCED CONCRETE PIPE (RCP) LAND DRAINAGE SEWERS 600mm DIAMETER AND LARGER SHALL BE COMPLETED IN ACCORDANCE WITH SD–009.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AECOM Canada ULC
No. 4671

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	26/02/24	ADL

AECOM

DESIGNED BY	NJD/MJK	CHECKED BY	JAT
DRAWN BY	ADL	APPROVED BY	KWF
SCALE: HORIZONTAL	1:250	RELEASED FOR CONSTRUCTION	D. Baker
VERTICAL	1:50		
DATE	2026 02 24	DATE	2026 02 24

PLOT DATE: 2026 02 26

ENGINEER'S SEAL
PROVINCE OF MANITOBA — J.A. THOMPSON — Member 30632 — REGISTERED PROFESSIONAL ENGINEER — 2026-02-27

CONSULTANT DRAWING NUMBER
G–1001

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING SERVICES DIVISION

JEFFERSON EAST COMBINED SEWER RELIEF
CONTRACT 7B
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CITY DRAWING NUMBER
LD–13894

Tender No: 178–2026
CONTRACT NUMBER: 7B

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