DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
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2	LD–11288	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	LD–11289	AIKINS STREET – HARTFORD AVENUE TO 55m SOUTH OF KILBRIDE AVENUE
4	LD–11290	AIKINS STREET – 12m NORTH OF BELMONT AVENUE TO 17m SOUTH OF SEMPLE AVENUE
5	LD–11291	AIKINS STREET – 55m NORTH OF KILBRIDE AVENUE TO BURRIN AVENUE
6	LD–11292	HARTFORD AVENUE – 50m EAST OF SALTER STREET TO 30m WEST OF AIKINS STREET
7	LD–11293	HARTFORD AVENUE – 150m EAST OF SALTER STREET TO 145m WEST OF MAIN STREET
8	LD–11294	BELMONT AVENUE – 150m EAST OF SALTER STREET TO 100m WEST OF MAIN STREET
9	LD–11295	KILBRIDE AVENUE – 75m EAST OF SALTER STREET TO 35m WEST OF AIKINS STREET
10	LD–11296	KILBRIDE AVENUE – 25m EAST OF AIKINS STREET TO 30m WEST OF MAIN STREET
11	LD–11297	BURRIN AVENUE – 70m EAST OF SALTER STREET TO 175m WEST OF MAIN STREET
12	LD–11298	BURRIN AVENUE – 22m EAST OF AIKINS STREET TO 25m WEST OF MAIN STREET
13	LD–11299	STANDARD DETAILS

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

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		
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

1. LOCATION OF SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE.
2. CONFIRM LOCATION OF ALL WATER AND WASTEWATER SERVICES IN THE FIELD.
3. INSTALL NEW SEWERS AND CATCH BASIN LEADS BY TRENCHLESS METHODS.
4. TYPE 3 INITIAL BACKFILL MATERIAL SHALL BE USED IN PLACE OF SAND IN ALL SHAFTS.
5. CLASS A CONCRETE PIPE BEDDING SHALL BE USED IN ALL SHAFTS (SD–001)
6. CLASS 1 BACKFILL FOR ALL SHAFTS LOCATED WITHIN 1 m OF REGIONAL STREETS.
7. CLASS 2 OR 3 BACKFILL FOR ALL SHAFTS LOCATED WITHIN 1 m OF NON–REGIONAL STREETS.
8. ALL CB LEADS TO HAVE A MINIMUM 2% SLOPE.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: 2022/01/27

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	22/01/27	ADL

AECOM

DESIGNED BY	JAT	CHECKED BY	MGM
DRAWN BY	ADL	APPROVED BY	KWF
SCALE: HORIZONTAL	1:250	RELEASED FOR CONSTRUCTION	K Zurek
VERTICAL	1:50		
DATE	2022 01 28	DATE	Jan 27/22

PLOT DATE: 2022 01 28

ENGINEER'S SEAL
ORIGINAL SIGNED BY J. Thompson 27/01/22

CONSULTANT DRAWING NUMBER
G–1001

Tender No: 863–2021
CONTRACT NUMBER: 6B

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

JEFFERSON EAST COMBINED SEWER RELIEF
CONTRACT 6B
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CITY DRAWING NUMBER
LD–11288

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