

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-11268	COVER
2	LD-11269	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	LD-11270	MAIN STREET - JEFFERSON AVENUE TO 34m SOUTH OF PERTH AVENUE
4	LD-11271	MAIN STREET - 14m NORTH OF ST ANTHONY AVENUE TO 32m SOUTH OF HARTFORD AVENUE
5	LD-11272	MAIN STREET - 30m NORTH OF PERTH AVENUE TO 18m SOUTH OF BELMONT AVENUE
6	LD-11273	MAIN STREET - 48m NORTH OF HARTFORD AVENUE TO 24m SOUTH OF KILBRIDE AVENUE
7	LD-11274	MAIN STREET - 42m NORTH OF BELMONT AVENUE TO 14m SOUTH OF SEMPLE AVENUE
8	LD-11275	MAIN STREET - 60m NORTH OF KILBRIDE AVENUE TO 20m SOUTH OF BURRIN AVENUE
9	LD-11276	MAIN STREET - 66m NORTH OF SEMPLE AVENUE TO 10m SOUTH OF KINGSBURY AVENUE
10	LD-11277	MAIN STREET - 8M NORTH OF KINGSBURY AVENUE TO ROYAL AVENUE
11	LD-11278	HARTFORD AVENUE - 122m EAST OF AIKINS STREET TO 143m WEST OF JONES STREET
12	LD-11279	BELMONT AVENUE - 177m EAST OF AIKINS STREET TO 104m WEST OF JONES STREET
13	LD-11280	PUBLIC LANE EAST OF MAIN STREET - PUBLIC LANE NORTH OF BELMONT AVENUE TO KILBRIDE AVENUE
14	LD-11281	KILBRIDE AVENUE - MAIN STREET TO 220m WEST OF SCOTIA STREET
15	LD-11282	KINGSBURY AVENUE - 140m EAST OF AIKINS STREET TO MAIN STREET
16	LD-11283	ROYAL AVENUE - 60m EAST OF AIKINS STREET TO 75m WEST OF MAIN STREET
17	LD-11284	ROYAL AVENUE - 210m EAST OF AIKINS STREET TO MAIN STREET
18	LD-11285	STANDARD DETAILS

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 MAIN STREET.
7. CLASS 2 OR 4 BACKFILL FOR ALL SHAFTS LOCATED WITHIN 1 m OF NON-REGIONAL STREETS.
8. 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 _____		B.M. ELEV. _____				ENGINEER'S SEAL ORIGINAL SIGNED BY J. THOMPSON DEC 10, 2021		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION SHEET 2 OF 18	
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.		DESIGNED BY JAT CHECKED BY MGM DRAWN BY ADL APPROVED BY CCM SCALE: HORIZONTAL 1:250 VERTICAL 1:50 RELEASED FOR CONSTRUCTION K.Z. DATE 2021 12 09 DATE Dec 9/21		CONSULTANT DRAWING NUMBER G-1001		JEFFERSON EAST COMBINED SEWER RELIEF CONTRACT 6A INDEX PAGE		CITY DRAWING NUMBER LD-11269	

ENGINEERS GEOSCIENTISTS MANITOBA
 Certificate of Authorization
 AECOM Canada Ltd.
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