

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	LD-13447	COVER
2	LD-13448	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	LD-13449	McKENZIE STREET - 17.0m NORTH OF JEFFERSON AVENUE TO 71.0m SOUTH OF PERTH AVENUE
4	LD-13450	McKENZIE STREET - 7.0m NORTH OF ST. ANTHONY AVENUE TO 69.0m SOUTH OF HARTFORD AVENUE
5	LD-13451	McKENZIE STREET - 8.0m NORTH OF PERTH AVENUE TO 55.0m SOUTH OF BELMONT AVENUE
6	LD-13452	McKENZIE STREET - 11.0m NORTH OF HARTFORD AVENUE TO 10.0m SOUTH OF KILBRIDE AVENUE
7	LD-13453	McKENZIE STREET - 55.0m NORTH OF BELMONT AVENUE TO SEMPLE AVENUE
8	LD-13454	ST. ANTHONY AVENUE - PARR STREET TO 92.0m WEST OF McKENZIE STREET
9	LD-13455	ST. ANTHONY AVENUE - 89.0m EAST OF PARR STREET TO 168.0m WEST OF McGREGOR STREET
10	LD-13456	ST. ANTHONY AVENUE - 13.0m EAST OF McKENZIE STREET TO 55.0m WEST OF McGREGOR STREET
11	LD-13457	PERTH AVENUE - PARR STREET TO 52.0m WEST OF McKENZIE STREET
12	LD-13458	PERTH AVENUE - 100.0m EAST OF PARR STREET TO 127.0m WEST OF McGREGOR STREET
13	LD-13459	HARTFORD AVENUE - 40.0m EAST OF PARR STREET TO 165.0m WEST OF McGREGOR STREET
14	LD-13460	HARTFORD AVENUE - 15.0m EAST OF McKENZIE STREET TO 40.0m WEST OF McGREGOR STREET
15	LD-13461	BELMONT AVENUE - 52.0m WEST OF McKENZIE STREET TO 152.0m WEST OF McGREGOR STREET
16	LD-13462	BELMONT AVENUE - 27.0m EAST OF McKENZIE STREET TO 40.0m WEST OF McGREGOR STREET
17	LD-13463	KILBRIDE AVENUE - McKENZIE STREET TO 40.0m WEST OF McGREGOR STREET
18	LD-13464	PARR STREET - 30.0m NORTH OF JEFFERSON AVENUE TO ST. ANTHONY AVENUE
19	LD-13465	PARR STREET - 31.0m NORTH OF ST. ANTHONY AVENUE TO 30.0m SOUTH OF HARTFORD AVENUE
20	LD-13466	DETAILS - MH10.6
21	LD-13467	STANDARD DETAILS - MONITORING AND INSTRUMENTATION

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
R	PROPERTY LINE
CL	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

DESCRIPTION	PLAN VIEW	
	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		
CL 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		
CL		
PROJECTED CL		
LOT LINE		
SIDEWALK - PATHWAY		
EASEMENT		
EDGE OF BUILDING		
MAILBOX		
PARKING METER		
TEST HOLE		
TREE LINE OR BUSH		

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

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.				ENGINEER'S SEAL 		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
SUPV. U/G STRUCTURES COMMITTEE		DATE		DESIGNED BY MJK		CHECKED BY MGM		JEFFERSON EAST COMBINED SEWER RELIEF	
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.				DRAWN BY ADL		APPROVED BY KWF		CONTRACT 10	
				SCALE: HORIZONTAL VERTICAL		RELEASED FOR CONSTRUCTION S Cournoyer		INDEX PAGE	
		0 ISSUED FOR TENDER		25/05/12		ADL		SHEET 2 OF 21	
		NO.		REVISIONS		DATE		CITY DRAWING NUMBER	
								LD-13448	

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

ENGINEER'S SEAL

CONSULTANT DRAWING NUMBER
G-1001

FILE PATH: C:\Users\leippla\AppData\Local\Temp\AcPublish_2188\
FILE NAME: 60680190-SHT-30-Con10-G-1001.dwg

PLOT DATE: 2025 05 13

Tender No: 410-2025
CONTRACT NUMBER: 10