

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	D-16598	COVER PAGE
2	D-16599	DRAWING INDEX
3	D-16600	CLIFTON STREET 6.5 S OF PORTAGE AVENUE TO 57.3 N OF PORTAGE AVE
4	D-16601	CLIFTON STREET 10.4 S OF RIDDLE AVENUE TO 7.2 N OF PERCY AVENUE
5	D-16602	CLIFTON STREET 58.5 S OF BARRATT AVENUE TO 26.2 N OF BARRATT AVENUE
6	D-16603	CLIFTON STREET 26.2 N OF BARRATT AVENUE TO 126.2 N OF BARRATT AVENUE
7	D-16604	CLIFTON STREET 45.4 S OF WOLEVER AVENUE TO WOLEVER AVENUE
8	D-16605	ISABEL STREET 65.0 S OF BANNATYNE AVENUE TO 45.0 N OF BANNATYNE AVENUE
9	D-16606	ISABEL STREET 56.2 S OF WILLIAM AVENUE TO 23.7 N OF WILLIAM AVENUE
10	D-16607	ISABEL STREET 57.3 S OF ELGIN AVENUE TO 17.1 N OF ELGIN AVENUE
11	D-16608	ISABEL STREET 57.3 S OF ROSS AVENUE TO 22.6 N OF ROSS AVENUE
12	D-16609	MAIN STREET 10.0 S OF YORK AVENUE TO 70.0 N OF YORK AVENUE
13	D-16610	MAIN STREET 83.4 S OF ST MARY AVENUE TO 11.5 N OF ST MARY AVENUE
14	D-16611	MAIN STREET 141.5 S OF GRAHAM AVENUE TO 26.5 S OF GRAHAM AVE
15	D-16612	MAIN STREET 26.5 S OF GRAHAM AVENUE TO 28.5 N OF GRAHAM 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
EX	EXISTING
N	NORTH
E	EAST
S	SOUTH
W	WEST
W/	WITH
C/W	CONSTRUCTED WITH
CONC	CONCRETE
AC	ASBESTOS CEMENT
VC	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE

LEGEND

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		
CULVERT		
SURVEY BAR		
SURVEY MONUMENT		
TREE - DECIDUOUS		
TREE - CONIFEROUS		
HYDRO		
HYDRO POLE		
LAMP STANDARD		
GUY ANCHOR		
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		
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
		SMALL PAVING STONE
		LARGE PAVING STONE

CONSTRUCTION NOTES

1. EXPOSE EXISTING WATER MAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. LOCATION OF ALL SERVICES IS TO BE CONFIRMED IN THE FIELD.
3. INSTALL WATER MAIN BY TRENCHLESS METHODS.
4. TRENCHES AND EXCAVATIONS WITHIN 1.0 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILLED.
5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
6. MINIMUM COVER TO TOP OF WATER MAIN IS 2.4 m.
7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATER MAIN TO P/L.
8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS AND/OR DISRUPTION OF SERVICE.

PROFILE

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
HYDRANT TOP		
VALVE		
TEE OR CROSS		
COUPLING OR BEND		
REDUCER		
END OF PIPE		
SEWER PIPE		
UNPAVED GROUND SURFACE		
ROAD		
MANHOLE OR CATCH BASIN		



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.
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.	
NO.	ISSUED FOR TENDER	2023.04.05
REVISIONS	DATE	BY

DESIGNED BY	RS
CHECKED BY	RS
DRAWN BY	BP/OS
APPROVED BY	RS
RELEASED FOR CONSTRUCTION	<i>R. Lucky</i> 2023.04.04
SCALE:	
HORIZONTAL	1:250
VERTICAL	1:50
DATE	2023.03.21

ENGINEER'S SEAL
CONSULTANT DRAWING NUMBER
G-001

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
2023 WATER MAIN RENEWALS CONTRACT 8	SHEET 2 OF 15 CITY DRAWING NUMBER
DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS	D-16599