

**DRAWING INDEX**

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	D-17514	COVER PAGE
2	D-17515	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	D-17516	5 E OF PRINCESS STREET TO PRINCESS STREET
4	D-17517	40 N OF WILLOW AVENUE TO 170 N OF WILLOW AVENUE
5	D-17518	40 N OF WILLOW AVENUE TO 140 NW OF FULHAM AVENUE
6	D-17519	220 N OF PORTAGE AVENUE TO 335 N OF PORTAGE AVENUE
7	D-17520	335 N OF PORTAGE AVENUE TO 400 N OF PORTAGE AVENUE
8	D-17521	105 S OF ST MATTHEWS AVENUE TO 15 S OF ST MATTHEWS AVENUE
9	D-17522	15 S OF ST MATTHEWS AVENUE TO 5 N OF ST MATTHEWS AVENUE
10	D-17523	15 W OF BUCHANAN BOULEVARD TO 110 E OF BUCHANAN BOULEVARD
11	D-17524	NESS AVENUE TO 100 N OF NESS AVENUE
12	D-17525	100 N OF NESS AVENUE TO 120 N OF NESS AVENUE
13	D-17526	120 N OF NESS AVENUE TO HAMILTON AVENUE

**ABBREVIATIONS**

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℓ	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
FM	FEEDERMAIN
FCM	FORCE MAIN (PRESSURIZED SEWER MAIN)

**LEGEND**

DESCRIPTION	PLAN VIEW		
	ABANDONED	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			

**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 EXCAVATION UNDER OR WITHIN 0.45m OF A ROAD OR APPROACH SHALL BE CLASS 1 BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TRENCHES AND EXCAVATION UNDER OR WITHIN 1.0m OF ANY OTHER PAVED SURFACE, INCLUDING SIDEWALKS, SHALL BE CLASS 3 BACKFILL.
5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
6. MINIMUM COVER TO TOP OF WATER MAIN IS 2.5m.
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.

DESCRIPTION	PROFILE		
	ABANDONED	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			



**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES



LOCATION APPROVED UNDERGROUND STRUCTURES		VERTICAL DATUM:	
SUPV. U/G STRUCTURES COMMITTEE		HORIZONTAL DATUM:	
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	2026.04.06	RS
	REVISIONS	DATE	BY

DESIGNED BY	JH
CHECKED BY	RS
DRAWN BY	MR
APPROVED BY	RS
SCALE:	
HORIZONTAL	1:250
VERTICAL	1:50
RELEASED FOR CONSTRUCTION	S. COURNOYER
DATE	2026.04.06
DATE	2026.04.02

ENGINEER'S SEAL
CONSULTANT DRAWING NUMBER
G-001

<p><b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p>	
<p>2026 WATER MAIN RENEWALS CONTRACT 4</p>	<p>SHEET 2 OF 13 CITY DRAWING NUMBER</p>
<p><b>DRAWING INDEX, DESIGN NOTES, LEGEND, &amp; ABBREVIATIONS</b></p>	
<p>D-17515</p>	