

DRAWING INDEX

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4	D-17435	LOGAN AVENUE 105 W OF WINKS STREET TO 5 E OF WINKS STREET
5	D-17436	LOGAN AVENUE 5 E OF WINKS STREET TO 120 E OF WINKS STREET
6	D-17437	LOGAN AVENUE 85 W OF YEOMANS STREET TO 20 E OF YEOMANS STREET
7	D-17438	LOGAN AVENUE 20 E OF YEOMANS STREET TO 135 E OF YEOMANS STREET
8	D-17439	LOGAN AVENUE 55 W OF McPHILLIPS STREET TO 25 W OF McPHILLIPS STREET

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: CGVD28 (HT2.0 Geoid) HORIZONTAL DATUM: NAD83 (June 1990), Zone 14	
SUPV. U/G STRUCTURES COMMITTEE	DATE	DESIGNED BY	J.H.
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.	CHECKED BY	R.S.
00	ISSUED FOR TENDER	2026.03.16	R.S.
NO.	REVISIONS	DATE	BY
		2026.01.30	

DRAWN BY	A.M.
SCALE:	
HORIZONTAL	1:250
VERTICAL	1:50
DATE	2026.01.30

ENGINEER'S SEAL	
CONSULTANT DRAWING NUMBER	G-001
RELEASED FOR CONSTRUCTION	S. COURNOYER
DATE	2026.03.16

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
2026 WATER MAIN RENEWALS CONTRACT 5	SHEET 2 OF 8 CITY DRAWING NUMBER
DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS	D-17433