

DRAWING INDEX

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5	D-15613	HARCOURT STREET - 275 N OF LODGE AVENUE TO 74 N OF BRUCE AVENUE
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7	D-15615	HARCOURT STREET - 116 S OF NESS AVENUE TO NESS AVENUE
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9	D-15657	POWERS STREET - PARTRIDGE AVENUE TO LEILA 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

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	⊕	⊕	⊕

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	⊕	⊕	⊕

CONSTRUCTION NOTES

1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA 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 WATERMAIN SHALL BE 2.4 m.
7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO ℄.
8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

HATCH PATTERNS

	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 _____ 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.		VERTICAL DATUM: CGVD28 (HT2.0 Geoid) HORIZONTAL DATUM: NAD83 (June 1990), Zone 14		ENGINEER'S SEAL ORIGINAL SIGNED BY S.R.J. COURNOYER 2020/04/24 CONSULTANT DRAWING NUMBER _____		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION 2020 WATER MAIN RENEWALS CONTRACT 9 INDEX PAGE		SHEET 2 OF 9 CITY DRAWING NUMBER D-15610	
DESIGNED BY	RG	CHECKED BY	SC	SCALE:	RELEASED FOR CONSTRUCTION	K. ZUREK DATE 2020-04-24		BID OPPORTUNITY: 1008-2019 CONTRACT NUMBER: 9 FILE PATH: R:\DRAWINGS\WATER\RENEWAL\2020 RENEWALS\1008-2019 Contract 9\construction.dwg FILE NAME: INDEX PAGE.dwg	
DRAWN BY	RS	APPROVED BY	KZ	HORIZONTAL	1:250				
				VERTICAL	1:50				
NO.	REVISIONS	DATE	BY	DATE	2020 04 28				
				PLOT DATE:	2020 04 28				