DRAWING INDEX

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ABBREVIATIONS

ABAND	ABANDONED
AC	ASBESTOS CEMENT
BLDG	BUILDING
B.M.	BENCH MARK
CB	CATCH BASIN
CI	CURB INLET
CI	CAST IRON
Q.	CENTER LINE
CONC	CONCRETE
CRN	CORNER
CS	COMBINED SEWER
C/S OR S/C	CURB STOP
CULV	CULVERT
C/W	CONSTRUCTED WITH
DI	DUCTILE IRON
E	EAST
ELEV	ELEVATION
EXIST	EXISTING
FIBRE	FIBRE OPTIC
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
HDPE	HIGH DENSITY POLYETHYLENE
HORZ.	HORIZONTAL
HSE	HOUSE
HYD	HYDRANT
I.B.	IRON BAR
INV	INVERT
LDS	LAND DRAINAGE SEWER
MAX	MAXIMUM
МН	MANHOLE
MIN	MINIMUM
MTS	MANITOBA TELEPHONE SYSTEM
N	NORTH
OPP	OPPOSITE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
የ	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
R.O.W.	RIGHT-OF-WAY
S	SOUTH
SL	STREET LIGHTING
TH	TEST HOLE
TS	TRAFFIC SIGNALS
TYP	TYPICAL
VC OR CLAY	VITRIFIED CLAY
VERT.	VERTICAL
w	WEST
W/	WITH
WM	WATER MAIN
wws	WASTE WATER SEWER
X-ING	CROSSING

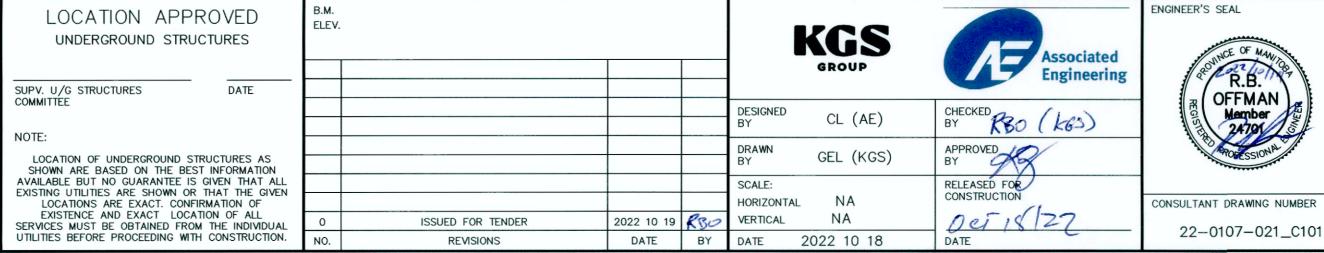
HATCH PATTERNS

		-
EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
b a . D		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL
		GRAVEL OR STONE
		RIPRAP

NOTE:



LEGEND		
	PLAN VIEW	
DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT VALVE	⊹ ⊗	▼ ⊗
CURB STOP	o'	*
REDUCER	∢	•
COUPLING OR SLIDER	X	X
CROSS BEND - 11.25°, 22.5°, 45°, 90°	⊕ 4 4 4 4	Ф н ч ч ч
TEE	H	A
VERTICAL BEND	н	н
ANODE	№	\$
REPAIR MARKER PLUG	♥	3
SEWER PIPE		
MANHOLE	0	•
CATCH BASIN CURB INLET	□ ▽	Ţ
	·	1 2 1
JUNCTION		
€ DITCH		
CULVERT SURVEY BAR	 	•
SURVEY MONUMENT	(A)	*
TREE - DECIDUOUS		
TREE - CONIFEROUS		
		· ·
HYDRO HYDRO POLE	•н	
LAMP STANDARD	•••	
HYDRO POLE W/STREET LIGHTING	Н⊕⊸	
POLE GUY ANCHOR	• ←	
M.T.S. POLE	•M	
PEDESTAL OR BOX	⊠	
CABINET	\bowtie	
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		
ዊ PROJECTED ዊ		
LOT LINE		
SIDEWALK - PATHWAY		
EASEMENT		
EDGE OF BUILDING		
MAILBOX	M	
PARKING METER TEST HOLE	P	A
TREE LINE OR BUSH		V
ROCK COLUMN		
DECORIDATION	PROFILE	DECROSED
DESCRIPTION WATER PIPE	EXISTING	PROPOSED
		1
HYDRANT TOP	+	+
VALVE	X	X
TEE OR CROSS		
COUPLING OR BEND		
OOOI EINO ON BENE		
REDUCER		
END OF PIPE	δ	б
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		
SHOOTONE		1
MANHOLE OR CATCH BASIN		ļ
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REVISIONS

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Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

NEWTON FORCE MAIN RED RIVER CROSSING BY HORIZONTAL DIRECTIONAL DRILLING

CITY DRAWING NUMBER

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