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LEGEND

PLAN VIEW

		DESCRIPTION	ABANDONED	EXISTING	PROPOSED
		WATER PIPE			
ABBREVIATIONS		FIRE HYDRANT		-	+
		VALVE	\otimes	\otimes	⊗
wws	WASTE WATER SEWER	CURB STOP	o`	ô	ď
CS	COMBINED SEWER	REDUCER	\triangleleft	\triangleleft	◀
LDS	LAND DRAINAGE SEWER	COUPLING OR SLIDDER		X	X
<u></u> ያ ዊ	PROPERTY LINE	CROSS	#	毌	⊕
Ę.	CENTER LINE	BEND - 11.25°, 22.5°, 45°, 90°	H H 4 4	H H H T	4 4 4
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM	TEE	г	凸	A
В.М.	BENCH MARK	VERTICAL BEND	Н	н	Н
TH	TEST HOLE	ANODE		P	₹
ELEV	ELEVATION	REPAIR MARKER		₿	
INV	INVERT	PLUG	Э	ב	נ
MIN	MINIMUM	SEWER PIPE			
MAX	MAXIMUM	MANHOLE	\circ	0	•
SL	STREET LIGHTING	CATCH BASIN			
TS	TRAFFIC SIGNALS	CURB INLET	∇	∇	▼
ABAND	ABANDONED				1 1
BLDG	BUILDING	JUNCTION			
HSE	HOUSE	ℚ DITCH		***************************************	***************************************
CRN	CORNER	CULVERT			
OPP	OPPOSITE	SURVEY BAR		-	+
C/S OR S/C	CURB STOP	SURVEY MONUMENT			
MTS	MANITOBA TELEPHONE SYSTEM				
R.O.W.	RIGHT-OF-WAY	TREE - DECIDUOUS			
WM	WATERMAIN				
CULV	CULVERT	TREE - CONIFEROUS			
MH	MANHOLE	HYDRO			
CB	CATCH BASIN	HYDRO POLE		● H	
CI	CURB INLET	LAMP STANDARD		••	
VERT.	VERTICAL	HYDRO POLE W/STREET LIGHTING		H ● —●	
HORZ.	HORIZONTAL	POLE		•	
I.B.	IRON BAR	GUY ANCHOR		\leftarrow	
FIBRE	FIBRE OPTIC	M.T.S. POLE		● M	
TYP	TYPICAL	PEDESTAL OR BOX		\boxtimes	
X-ING	CROSSING	OARMET			
HYD	HYDRANT	CABINET			
EXIST	EXISTING	M.T.S., SHAW, OR VIDEON			
N	NORTH	TRAFFIC SIGNALS			
Е	EAST	TRAFFIC LIGHT STANDARD		•>	
S	SOUTH	GAS			
w	WEST	STEAM			
W/	WITH	FIBRE OPTIC			
C/W	CONSTRUCTED WITH	FENCE			
CONC	CONCRETE	EDGE OF PAVEMENT OR GUTTER			
AC	ASBESTOS CEMENT	EDGE UNPAVED OR GRAVEL ROAD			
VC OR CLAY	VITRIFIED CLAY	ዊ			
CI	CAST IRON	PROJECTED PL			
DI	DUCTILE IRON	LOT LINE			
PVC	POLYVINYL CHLORIDE	SIDEWALK - PATHWAY			
HDPE	HIGH DENSITY POLYETHYLENE	EASEMENT			
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE	EDGE OF BUILDING			
		MAILBOX		M	
		PARKING METER		P	
		TEST HOLE		•	•
		TREE LINE OR BUSH			

CONSTRUCTION NOTES

2. LOCATION OF ALL SERVICES CONFIRMED IN THE FIELD.

6. MINIMUM COVER TO TOP OF WATER MAIN SHALL BE 2.4 m.

7. REPLACED ALL EXISTING LEAD SERVICES FROM PROPOSED WATER MAIN TO P.

4. TRENCHES AND EXCAVATIONS WITHIN 1 METER OF A PAVED AREA INCLUDING SIDEWALKS ARE CLASS 3 BACKFILL.

8. NOTIFIED ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

5. ALL MATERIALS CONFORMED TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.

3. INSTALLED WATER MAIN BY TRENCHLESS METHODS.

1. EXPOSED EXISTING WATER MAIN & CONFIRMED INVERTS PRIOR TO CONSTRUCTION. **HATCH PATTERNS**

DESCRIPTION

EARTH OR GROUND ABOVE PIPE

SAND OR OTHER FINE MATERIAL

CONCRETE

PROPOSED

EXISTING

WASHED STONE OR GRANULAR MATERIAL

INTERLOCKING STONE

METAL

GRAVEL OR STONE

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES

ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST: 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION. 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

SUPV. U/G STRUCTURES COMMITTEE DATE 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.

LOCATION APPROVED UNDERGROUND STRUCTURES DESIGNED CHECKED TS DRAWN APPROVED ΚZ RELEASED FOR CONSTRUCTION SCALE: HORIZONTAL 1: 250 VERTICAL KAS ZUREK 1:50

DATE

2018 05 31

DATE 2018 05 31

Winnipeg

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2018 WATER MAIN RENEWALS CONTRACT 10

PROFILE

EXISTING

PROPOSED

ABANDONED

DESCRIPTION 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

ENGINEER'S SEAL

ORIGINAL SIGNED

BY S.R.J. COURNOYER

18/05/31

CONSULTANT DRAWING NUMBER

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