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5	D-14710	CARPATHIA ROAD - 275 N OF CARPATHIA ROAD (S.LEG) TO CORYDON AVENUE
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ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ዊ	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
СВ	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

	PLAN VIEW	
DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT	- -	+
VALVE	\otimes	⊗
CURB STOP	o'	•
REDUCER	\triangleleft	•
COUPLING OR SLIDDER	X -	X
CROSS	⊕	⊕
BEND - 11.25*, 22.5*, 45*, 90*	4 4 4 4	н 4 4 —
TEE VERTICAL BEND	Д н	н
ANODE	₽	- 5
REPAIR MARKER	₽	
PLUG	v J	3
SEWER PIPE		
MANHOLE	0	•
CATCH BASIN		
CURB INLET	∇	▼
JUNCTION		
JONETION		
€ DITCH		***************************************
CULVERT		
SURVEY BAR	+	+
SURVEY MONUMENT		
TREE - DECIDUOUS	$\{\cdot,\cdot\}$	
TREE - CONIFEROUS		
HYDRO		
HYDRO POLE	•н	
LAMP STANDARD	•-•	
HYDRO POLE W/STREET LIGHTING	H ● —●	
POLE	•	
GUY ANCHOR	\leftarrow	
M.T.S. POLE	• M	
PEDESTAL OR BOX	\boxtimes	
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		
<u>የ</u>		
PROJECTED PL		
LOT LINE		
SIDEWALK — PATHWAY EASEMENT		
EASEMEN I	7777777777	
EDGE OF BUILDING		
MAILBOX	M	
PARKING METER	P	
TEST HOLE	*	*
TREE LINE OR BUSH		

CONSTRUCTION NOTES

1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.

UTILITIES BEFORE PROCEEDING WITH 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.

REVISIONS

- 6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
- 7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO P.
- 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

PROFILE EXISTING DESCRIPTION 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

HATCH PATTERNS

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
β Δ · Δ · Δ · Δ · Δ · Δ · Δ · Δ · Δ · Δ		CONCRETE
\$Oof		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL
		GRAVEL OR STONE

ENGINEER'S SEAL LOCATION APPROVED UNDERGROUND STRUCTURES ORIGINAL SIGNED BY S.J.R. SUPV. U/G STRUCTURES COMMITTEE DATE COURNOYER DESIGNED CHECKED 17/05/08 SC JF/JC DRAWN APPROVED RS/RJ LOCATION OF UNDERGROUND STRUCTURES AS 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 LITTLES DECORPORATION OF MUST LOCATION. RELEASED FOR CONSTRUCTION SCALE: 1: 250 HORIZONTAL CONSULTANT DRAWING NUMBER

DATE

Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2017 WATER MAIN RENEWALS CONTRACT 3

SHEET **2** OF **16** CITY DRAWING NUMBER

D-14707

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