# **DRAWING INDEX**

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01		COVER PAGE					
02	D-15651	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS					
03	D-15652	WATT STREET - NL OF HARBISON AVENUE WEST TO 16.9M NNL OF LARSON AVE					
04	D-15653	WATT STREET - 16.9M NNL OF LARSON AVE TO 15.8M SSL OF JAMISON AVENUE					
05	D-15654	WATT STREET - 15.8M SSL OF JAMISON AVENUE TO SL OF WASHINGTON AVENUE					
06	D-15655	WATT STREET - SL OF WINTERTON AVENUE TO 62.8M NSL OF WINTERTON AVENUE					

**HATCH PATTERNS** 

PROPOSED

DESCRIPTION

EARTH OR GROUND ABOVE PIPE

SAND OR OTHER FINE MATERIAL

CONCRETE

METAL

INTERLOCKING STONE

GRAVEL OR STONE

EXISTING

# **ABBREVIATIONS**

WW.	WAGTE WATER OF WER
wws	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
P.	PROPERTY LINE
Ę.	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
МН	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
Е	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**

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### **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 P.
- 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

# WASHED STONE OR GRANULAR MATERIAL

LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. ELEV				\\	15[]	Winnipeg R3B 3B1 Phone: 20	ombard Avenue , Manitoba Canada 04-943-3178 943-4948	ENGINEER'S SEAL
SUPV. U/G STRUCTURES DATE COMMITTEE						-	wsp.com		
					DESIGNED BY	R.H.	CHECKED BY	K.G.	
NOTE:					DRAWN		APPROVED		-
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION	D	ISSUED FOR TENDER	2020/02/27	R.H.	BY	R.H.	BY	S.M.	
AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN	С	UGS REVIEW	2020/02/19	R.H.	SCALE:		RELEASED FOR		1
LOCATIONS ARE EXACT. CONFIRMATION OF	В	DETAILED DESIGN REVIEW	2020/01/31	R.H.	HORIZONTAL	1: 250	CONSTRUCTION		CONSULTANT DRAWING NUMBER
EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL	Α	PRELIMINARY DESIGN REVIEW	2020/01/08	R.H.	VERTICAL	1:50			11014 01825 00 02
UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE 202	0 02 26	DATE		-   19M-01825-00-02

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_	B.M. ELEV.				11	<b>SP</b>	Winnipeg, R3B 3B1 C	anada 4-943-3178	ENGINEER'S SEAL	
					DESIGNED BY	R.H.	CHECKED BY	K.G.		
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_	С	UGS REVIEW	2020/02/19	R.H.	SCALE:	1: 250 1: 50	RELEASED FOR		1	
V	В	DETAILED DESIGN REVIEW	2020/01/31	R.H.	HORIZONTAL		CONSTRUCTION		CONSULTANT DRAWING NUMBER	
L	Α	PRELIMINARY DESIGN REVIEW	2020/01/08	R.H.	VERTICAL				1104 01805 00 00	
l.	NO	REVISIONS	DATE	RY	DATE 2020	02 26	DATE		19M-01825-00-02	

Winnipèg

# THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2020 WATT STREET PAVMENT RENEWAL & WATER MAIN RENEWAL-CONTRACT 8

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