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EMPRESS STREET - 245 NSL MAROONS ROAD TO ST. MATTHEWS AVENUE

MINTO STREET - 100 NSL PUBLIC LANE TO 210 NSL PUBLIC LANE

MINTO STREET - 210 NSL PUBLIC LANE TO ST. MATTHEWS AVENUE

MINTO STREET - PUBLIC LANE TO 100 NSL PUBLIC LANE

	•		
wws	WASTE WATER SEWER		
CS	COMBINED SEWER		
LDS	LAND DRAINAGE SEWER		
P_	PROPERTY LINE		
Q	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		
CB	CATCH BASIN		
CI	CURB INLET		
VERT.	VERTICAL		
HORZ.	HORIZONTAL		
I.B.	IRON BAR		
FIBRE	FIBRE OPTIC		
TYP	TYPICAL		
X-ING	CROSSING		
HYD	HYDRANT		
EX	EXISTING		
N	NORTH		
Ε	EAST		
S	SOUTH		
W	WEST		
w/	WITH		
C/W	CONSTRUCTED WITH		
CONC	CONCRETE		
VC OR CLAY	ASBESTOS CEMENT		
VC VC	VITRIFIED CLAY		
CI	CAST IRON		
DI	DUCTILE IRON		
PVC	POLYVINYL CHLORIDE		
HDPE	HIGH DENSITY POLYETHYLENE		
TUFE.	POPULATION CONTROL CALINDER DIRE		

PRESTRESSED CONCRETE CYLINDER PIPE

ABBREVIATIONS

HATCH PATTERNS

D-14670

D-14671

D-14672

D-14673

EXISTING PROPOSED DESCRIPTION

EARTH OR GROUND ABOVE PIPE

SAND OR OTHER FINE MATERIAL

CONCRETE

WASHED STONE OR GRANULAR MATERIAL

INTERLOCKING STONE

METAL

GRAVEL OR STONE

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.

LEGEND

	DESCRIPTION	EXISTING	PROPOSED
	WATER PIPE		•
	FIRE HYDRANT	ф.	+
	VALVE	⊗ .	0
	CURB STOP	<i>></i>	
	REDUCER	₫ x	X X
	COUPLING OR SLIDDER CROSS	♣	A
REN	ID - 11.25°, 22.5°, 45°, 90°	H H 4 4	н н ч ч
DLI	TEE	A	A
	VERTICAL BEND	н	н
	ANODE	₽	2
	REPAIR MARKER	♥	
	PLUG	3	3
	SEWER PIPE		
	MANHOLE	0	•
	CATCH BASIN	0	=
•	CURB INLET	▼	1 1
	JUNCTION		
		•	•
	CULVERT		C=====3
	SURVEY BAR	#	+
	SURVEY MONUMENT		
	TREE - DECIDUOUS	(C)	
	MEE DEGIDOOGG	<u> </u>	
	TREE - CONIFEROUS		
	UVODO	wh.	
	HYDRO		
	HYDRO POLE	0	
	LAMP STANDARD	○ —•	
	GUY ANCHOR	<u>-</u>	
	PEDESTAL OR BOX	8	
	CABINET		
	M.T.S., SHAW, OR VIDEON TRAFFIC SIGNALS		
	TRAFFIC SIGNALS TRAFFIC LIGHT STANDARD	•>	
	GAS		***
	STEAM		••••
	FIBRE OPTIC		
	FENCE	<u>X</u> X	
	E OF PAVEMENT OR GUTTER		
EDG	UNPAVED OR GRAVEL ROAD		
	LOT LINE		
	SIDEWALK - PATHWAY		
	EASEMENT		
	EDGE OF BUILDING		
	MAILBOX	M P	
	PARKING METER TEST HOLE	□	•
	TREE LINE OR BUSH	<u> </u>	▼
	THE LINE ON BOOK		•
		PROFILE	
	DESCRIPTION	EXISTING	PROPOSED
	WATER PIPE		
	HYDRANT TOP		+
	VALVE		X
	TEE OR CROSS		
	TEE ON GROOD	V	V
	COUPLING OR BEND		
	REDUCER		
	END OF PIPE	8	8
	SEWER PIPE		
U	INPAVED GROUND SURFACE		
	€ ROAD		
			1
1	MANHOLE OR CATCH BASIN		i
		1	1

PLAN VIEW

Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE

0.0 5.0 10.0 15.0 20.0 25.0

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

NOTE:

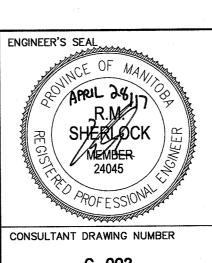
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

LOCATION APPROVED

UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE

| Stantec | Stan



Winnipeg

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

2017 WATERMAIN RENEWALS
CONTRACT 10

ENGINEERING DIVISION
SHEET
CITY DRAW

SHEET 2 OF 17
CITY DRAWING NUMBER

D-14658

DRAWNG INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS

LEGEND, & ABBREVIATIONS

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