DRAWING INDEX

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ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ዊ	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
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	ABANDONED	EXISTING	PROPOSED
WATER PIPE	·	·	
FIRE HYDRANT		- ¢ -	+
VALVE	\otimes	\otimes	⊗
CURB STOP	♂`	o^`	ℯ
REDUCER	\triangleleft	\triangleleft	◀
COUPLING OR SLIDDER		X	X
CROSS	-	毌	⊕
BEND - 11.25*, 22.5*, 45*, 90*	H H 4 4	H 4 4 4	H 4 4
TEE	Г	凸	A
VERTICAL BEND	Н	Н	н
ANODE		P	- 2
REPAIR MARKER			
PLUG]	v J	3
SEWER PIPE			
MANHOLE	0	0	•
CATCH BASIN	∇	∇	_
CURB INLET	V I	1	· · · · · · · · · · · · · · · · · · ·
JUNCTION			
0			
€ DITCH			
CULVERT		L	L
SURVEY BAR		#	†
SURVEY MONUMENT			
TREE - DECIDUOUS		$\langle \cdot \rangle$	
TREE - CONIFEROUS			
HYDRO			
HYDRO POLE		•н	
LAMP STANDARD		•••	
HYDRO POLE W/STREET LIGHTING		H ● —●	
POLE		•	
GUY ANCHOR		(
M.T.S. POLE		• M	
PEDESTAL OR BOX		\boxtimes	
CABINET			
M.T.S., SHAW, OR VIDEON		· · · · · ·	
TRAFFIC SIGNALS		<u> </u>	_ · _ · _ ·
TRAFFIC LIGHT STANDARD		◆→	
GAS			
STEAM			
FIBRE OPTIC			
FENCE		xx	xx
EDGE OF PAVEMENT OR GUTTER			
EDGE UNPAVED OR GRAVEL ROAD			
ዊ			
PROJECTED PL			
LOT LINE			
SIDEWALK — PATHWAY			
EASEMENT			
EDGE OF BUILDING			
MAILBOX		M	
PARKING METER		P	
TEST HOLE		�	*
TREE LINE OR BUSH		~~~~~	

CONSTRUCTION NOTES

HATCH PATTERNS

EXISTING PROPOSED DESCRIPTION

WASHED STONE OR GRANULAR MATERIAL





EARTH OR GROUND ABOVE PIPE

CONCRETE





SAND OR OTHER FINE MATERIAL























METAL

GRAVEL OR STONE

INTERLOCKING STONE

- 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.

DESCRIPTION	ABANDONED	EXISTING	PROPOSED
WATER PIPE			
HYDRANT TOP		+	+
VALVE			
TEE OR CROSS	0	()	
COUPLING OR BEND			
REDUCER			
END OF PIPE		8	8
SEWER PIPE			
UNPAVED GROUND SURFACE			
PAVED GROUND SURFACE - & PIPE		XX	
GUTTER (NORTH AND WEST)			
GUTTER (SOUTH AND EAST)			
© DITCH (NORTH AND WEST)		<u>A</u>	
€ DITCH (SOUTH AND EAST) STRUCTURE		────────────────────────────────────	
MANHOLE OR CATCH BASIN			

PROFILE

									·	•		
LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. ELEV.							ORIGINAL SIGNED	Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION			
SUPV. U/G STRUCTURES DATE					-				BY S.R.J. COURNOYER		ENGINEERING DIV	ISION
COMMITTEE					DESIGNED BY	JC/JF	CHECKED BY	SC	18/03/06	NORTH ST BON	FACE WATER MAIN UPGRADES	SHEET 2 OF 15
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS					DRAWN	RS	APPROVED	KZ	7		CONTRACT 1	CITY DRAWING NUMBER
SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL					SCALE:		RELEASED FOR	_	INDEX PAGE		14986	
EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT. LOCATION OF ALL					HORIZONTAL	1: 250	CONSTRUCTION					CONSULTANT DRAWING NUMBER
EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL					VERTICAL	1:50		S ZUREK	-			
UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE		DATE	18/03/06	_			
					PLOT DATE:				BID OPPORTUNITY: 169-2018 CONTRACT NUMBER: 1	FILE PATH: FILE NAME:		