

**DRAWING INDEX**

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	1-0127L-G0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - INDEX
2	1-0127L-G0002-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - COCKBURN LIFT STATION SITE PLAN - COCKBURN STREET S AND CHURCHILL DRIVE
3	1-0127L-M0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - COCKBURN LIFT STATION COMMUNOTOR CHAMBER - COCKBURN STREET S AND CHURCHILL DRIVE
4	1-0131L-G0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - CONWAY LIFT STATION SITE PLAN - CONWAY STREET AND PORTAGE AVENUE
5	1-0131L-M0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - CONWAY LIFT STATION COMMUNOTOR CHAMBER - CONWAY STREET AND PORTAGE AVENUE
6	1-0141L-G0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - FERRY LIFT STATION SITE PLAN - FERRY ROAD AND ASSINIBOINE AVENUE
7	1-0141L-M0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - FERRY LIFT STATION COMMUNOTOR CHAMBER - FERRY ROAD AND ASSINIBOINE AVENUE
8	1-0145L-G0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - HAWTHORNE LIFT STATION SITE PLAN - HAWTHORNE AVENUE AND KILDONAN DRIVE
9	1-0145L-M0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - HAWTHORNE LIFT STATION COMMUNOTOR CHAMBER - HAWTHORNE AVENUE AND KILDONAN DRIVE
10	1-0178L-G0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - RIVERBEND LIFT STATION SITE PLAN - LANE WEST OF RIVERBEND CRESCENT AND PORTAGE AVENUE
11	1-0178L-M0001-001	2015 COMMUNOTOR CHAMBER PIPING AND VALVE UPGRADES - RIVERBEND LIFT STATION COMMUNOTOR CHAMBER - LANE WEST OF RIVERBEND CRESCENT AND PORTAGE AVENUE

**LEGEND**

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE	—	—
FIRE HYDRANT	⊕	⊕
VALVE	⊗	⊗
CURB STOP	⊙	⊙
REDUCER	∇	∇
COUPLING OR SLUDDER	X	X
CROSS	⊕	⊕
BEND - 11.25', 22.5', 45', 90'	H A A' A'' A'''	H A A' A'' A'''
TEE	⊕	⊕
VERTICAL BEND	H	H
ANODE	⊕	⊕
REPAIR MARKER	⊕	⊕
PLUG	J	J
SEWER PIPE	—	—
MANHOLE	⊕	⊕
CATCH BASIN	⊕	⊕
CURB INLET	∇	∇
JUNCTION	—	—
∅ DITCH	—	—
CULVERT	—	—
SURVEY BAR	⊕	⊕
SURVEY MONUMENT	⊕	⊕
TREE - DECIDUOUS	⊕	⊕
TREE - CONIFEROUS	⊕	⊕
HYDRO	—	—
HYDRO POLE	⊕	⊕
LAMP STANDARD	⊕	⊕
HYDRO POLE W/STREET LIGHTING	⊕	⊕
POLE	⊕	⊕
GUY ANCHOR	⊕	⊕
M.T.S. POLE	⊕	⊕
PEDESTAL OR BOX	⊕	⊕
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	⊕	⊕
PROJECTED ∅	⊕	⊕
LOT LINE	⊕	⊕
SIDEWALK - PATHWAY	⊕	⊕
EASEMENT	⊕	⊕
EDGE OF BUILDING	⊕	⊕
MAILBOX	⊕	⊕
PARKING METER	⊕	⊕
TEST HOLE	⊕	⊕
TREE LINE OR BUSH	⊕	⊕

**ABBREVIATIONS**

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℙ	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
CB	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

**CONSTRUCTION NOTES**

1. ALL DIMENSIONS TO BE CONFIRMED BY CONTRACTOR.
2. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
3. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY DISRUPTION OF SERVICE.

**HATCH PATTERNS**

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

LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE 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.		B.M. ELEV. _____ _____ _____ _____ _____ _____ NO. REVISIONS DATE BY	DESIGNED BY NC CHECKED BY NC DRAWN BY RS APPROVED BY NC SCALE: HORIZONTAL 1:250 VERTICAL 1:50 DATE 2015 09 25	ENGINEER'S SEAL ORIGINAL SIGNED BY N.M. CONTI 15/09/25 CONSULTANT DRAWING NUMBER _____	<b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT ENGINEERING DIVISION 2015 COMMUNOTOR CHAMBER PIPING & VALVE UPGRADES INDEX PAGE	SHEET 1 OF 11 CITY DRAWING NUMBER 1-0127L-G0001-001
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