DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	1-03000-D0001-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-COVERSHEET
2	1-03000-D0002-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-DRAWING INDEX
3	1-03000-G0001-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-SITE PLAN
4	1-03000-S0001-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-CONCRETE-SHEET 1 OF 2
5	1-03000-S0001-002	BURROWS OUTFALL GATE CHAMBER UPGRADES-CONCRETE-SHEET 2 OF 2
6	1-03000-S0002-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-MISCELLANEOUS DETAILS-SHEET 1 OF 2
7	1-03000-S0002-002	BURROWS OUTFALL GATE CHAMBER UPGRADES-MISCELLANEOUS DETAILS-SHEET 2 OF 2
8	1-03000-P0001-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-EQUIPMENT LEGEND
9	1-03000-M0001-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-PIPING LEGEND
10	1-03000-A0001-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-INSTRUMENTATION LEGEND
11	1-03000-P0002-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-FLOW DIAGRAM
12	1-03000-P0003-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-PROCESS PLAN AND ELEVATION
13	1-03000-E0001-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-ELECTRICAL LEGEND
14	1-03000-E0002-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-ELECTRICAL SITE PLAN
15	1-03000-E0003-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-ELECTRICAL VAULT LAYOUT AND SECTION
16	1-03000-E0004-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-SINGLE LINE DIAGRAM
17	1-03000-E0005-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-ELECTRICAL ENCLOSURE LAYOUT
18	1-03000-E0006-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-ELECTRICAL SUBMERSIBLE PUMP SCHEMATIC
19	1-03000-E0007-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-RTU PANEL POWER AND IO
20	1-03000-E0008-001	BURROWS OUTFALL GATE CHAMBER UPGRADES-RTU PANEL IO

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
PL	PROPERTY LINE
CL	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

LEGEND

PLAN VIEW

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT		
VALVE		
CURB STOP		
REDUCER		
COUPLING OR SLIDDER		
CROSS		
BEND - 11.25°, 22.5°, 45°, 90°		
TEE		
VERTICAL BEND		
ANODE		
REPAIR MARKER		
PLUG		
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		

PROFILE

DESCRIPTION	EXISTING	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
		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL
		GRAVEL OR STONE

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE ENGINEERING
No. 5643

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

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
1	ISSUED FOR TENDER	2019-09-10	M.J.B.

MPE Engineering Ltd.

DESIGNED BY	P.N.B.	CHECKED BY	XX
DRAWN BY	C.W.H.	APPROVED BY	XX
SCALE: HORIZONTAL		RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE	2019-9-11	DATE	

PLOT DATE: 2019 09 16

ORIGINAL SEALED BY MARK J. BAKER 2019-09-16

CONSULTANT DRAWING NUMBER
C0.1

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

BURROWS OUTFALL GATE CHAMBER UPGRADES
INDEX SHEET

CITY DRAWING NUMBER 1-03000-D0001-001 SHEET 2 OF 20

BID OPPORTUNITY: 913-2019

FILE PATH: \\mhdc02\data\84\00 City of Winnipeg\002 - Burrows Outfall Gate Chamberts Upgrades\Autodesk\ACAD\
FILE NAME: C0.1_Water_Index Page_A1.dwg