DISTRIBUTION

- CONDUIT IDENTIFICATION TAG
- LIGHTING/POWER PANEL
- DATA PANEL
- INTERCOM PANEL
- FIRE ANNUNCIATOR PANEL
- GROUND BAR
- PLYWOOD BACKBOARD
- EXTERIOR TRANSFORMER
- DRY TYPE TRANSFORMER
- METERING CABINET GREATER THAN 200A
- UTILITY METER PLAN
- POWER METER
- ELECTRIC UTILITY METER 200A AND LESS
- WATER METER
- GAS METER
- SPLITTER
- ELECTRICAL CENTRAL DISTRIBUTION PANEL (CDP)
- ELECTRICAL MOTOR CONTROL CENTRE (MCC)
- ELECTRICAL MAIN DISTRIBUTION BOARD
- TRANSFER SWITCH WITH BY-PASS
- TRANSFER SWITCH
- LVT 120/24V LOW VOLTAGE TRANSFORMER
- WEATHER HEAD

LIGHTING

- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE WITH END PLATES
- SURFACE MOUNTED STRIP LIGHT FIXTURE
- UNDER CABINET/VALENCE STRIP LIGHT FIXTURE
- WALL MOUNTED CUBED LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- EM WALL MOUNTED LIGHT FIXTURE ON EMERGENCY
- TRACK LIGHT C/W PENDANT HEADS
- TRACK LIGHT C/W ADJUSTABLE HEADS
- BOLLARD LIGHT FIXTURE
- POLE MOUNTED LIGHT FIXTURE (ONE HEAD SHOWN)
- WALL MOUNTED HID LIGHT FIXTURE

POWER

- DUPLEX RECEPTACLE
- SPLIT FEED RECEPTACLE
- FOURPLEX RECEPTACLE
- SWITCHED DUPLEX RECEPTACLE
- 20A T-SLOT RECEPTACLE (KITCHEN)
- TWISTLOCK RECEPTACLE
- 208 VOLT 1PH RECEPTACLE
- 208 VOLT 3PH RECEPTACLE
- WALL MOUNTED USB PORT
- PEDESTAL DUPLEX RECEPTACLE
- SB WALL MOUNTED MULTI-GANG BOX
- WALL MOUNTED PUSH BUTTON
- SPD WALL MOUNTED SURGE PROTECTIVE DEVICE (SPD OR TVSS)
- VFD WALL MOUNTED VARIABLE FREQUENCY DRIVE (VFD)
- CEILING MOUNTED DUPLEX RECEPTACLE
- CEILING MOUNTED FOURPLEX RECEPTACLE
- CEILING MOUNTED 208 VOLT 1PH RECEPTACLE
- CEILING MOUNTED 208 VOLT 3PH RECEPTACLE
- R AUXILIARY RELAY
- P CEILING MOUNTED POWER ZONE BOX
- REEL DOWN RECEPTACLE
- PACK POLE
- No. FLOOR MOUNTED DUPLEX RECEPTACLE (No. of OUTLETS)
- No. FLOOR MOUNTED FOURPLEX RECEPTACLE (No. of OUTLETS)
- No. FLOOR MOUNTED 208 VOLT 1PH RECEPTACLE
- No. FLOOR MOUNTED 208 VOLT 3PH RECEPTACLE
- SB FLOOR MOUNTED MULTI-GANG BOX
- MOTOR

POWER CONTINUED

- MOTOR WITH DISCONNECT SWITCH
- MOTOR WITH FUSIBLE DISCONNECT SWITCH
- MOTOR WITH COMBINATION DISCONNECT SWITCH
- MAGNETIC MOTOR STARTER
- HOME RUN WITH WIRE COUNT
- WAP WIRELESS ACCESS POINT
- ELECTRICAL HEATING
- HEAT TRACING
- PIN AND SLEEVE CONNECTOR (FEMALE)
- PIN AND SLEEVE CONNECTOR (MALE)

SWITCHES AND JUNCTIONS BOXES

- LINE VOLTAGE SWITCH
- P SWITCH C/W PILOT LIGHT
- 2 TWO POLE SWITCH
- 3 THREE WAY SWITCH
- 4 FOUR WAY SWITCH
- M MANUAL MOTOR PROTECTION SWITCH C/W PILOT LIGHT
- K KEY OPERATED SWITCH - CYLINDER TYPE
- T TIMER SWITCH
- D DIMMER SWITCH - SLIDER TYPE
- L INTERNALLY ILLUMINATED LIGHT SWITCH
- R LOW VOLTAGE SWITCH
- 2 GANG SWITCH
- 3 GANG SWITCH
- 4 GANG SWITCH
- 5 GANG SWITCH
- WALL MOUNTED PHOTOCELL
- WALL MOUNTED JUNCTION BOX
- FLOOR MOUNTED JUNCTION BOX
- J SQUARE CEILING MOUNTED JUNCTION BOX
- T THERMOSTAT
- NON-FUSEABLE DISCONNECT SWITCH
- FUSEABLE DISCONNECT SWITCH
- COMBINATION MAGNETIC HOA STARTER
- O/H DOOR PUSH BUTTON
- PB PULL BOX

LIFE SAFETY

- CEILING MOUNTED EXIT LIGHT SINGLE FACE
- CEILING MOUNTED EXIT LIGHT DOUBLE FACE
- CEILING COMBINATION EXIT SIGN AND EMERGENCY LIGHT C/W BATTERY
- WALL MOUNTED EXIT LIGHT SINGLE FACE
- WALL MOUNTED EXIT LIGHT DOUBLE FACE
- WALL COMBINATION EXIT SIGN AND EMERGENCY LIGHT C/W BATTERY
- EXIT LIGHT DIRECTIONAL ARROW
- WALL MOUNTED EMERGENCY LIGHTING BATTERY PACK
- CEILING MOUNTED EMERGENCY LIGHTING DOUBLE REMOTE HEAD
- CEILING MOUNTED EMERGENCY LIGHTING RECESSED REMOTE HEAD
- WALL MOUNTED EMERGENCY LIGHTING DOUBLE REMOTE HEAD
- SMOKE DETECTOR
- A SMOKE ALARM - 120V

POWER EQUIPMENT

- DELTA WYE TRANSFORMER
- DISTRIBUTION TRANSFORMER
- POTENTIAL TRANSFORMER
- FUSE DRAW OUT TYPE
- CIRCUIT BREAKER DRAW OUT TYPE
- 3 PHASE GENERATOR (GROUNDED)
- THERMAL OVERLOAD PROTECTION
- INTERLOCK
- CAPACITOR
- A CURRENT METER
- CONTACTOR
- FUSE
- DISCONNECT SWITCH

POWER EQUIPMENT CONTINUED

- FUSED DISCONNECT SWITCH
- XXX XXX XXX CIRCUIT BREAKER — FRAME SIZE, TRIP RATING, POLE
- ETM ELAPSED TIME METER
- GROUND ROD
- GROUND ROD C/W WELL
- GROUND ROD WITHOUT WELL
- GH GATE HOIST
- x kw HEATER C/W KILOWATT RATING
- XXX MOTOR CONTROL IDENTIFICATION TAG
- TRANSFER SWITCH

COMMUNICATIONS

- WALL MOUNTED TELEPHONE OUTLET
- WALL MOUNTED DATA OUTLET
- WALL MOUNTED COMBINATION TELEPHONE/DATA OUTLET
- WALL MOUNTED TELEVISION OUTLET
- WALL MOUNTED CHIME OR BUZZER
- CEILING MOUNTED TELEPHONE OUTLET
- CEILING MOUNTED COMBINATION TELEPHONE/DATA OUTLET
- CEILING MOUNTED TELEVISION OUTLET
- CEILING MOUNTED DATA OUTLET (No. OF OUTLETS)
- No. FLOOR MOUNTED DATA OUTLET (No. OF OUTLETS)
- No. FLOOR MOUNTED TELEPHONE OUTLET (No. OF OUTLETS)
- No. FLOOR MOUNTED TELEVISION OUTLET (No. OF OUTLETS)
- No. FLOOR MOUNTED COMBINATION TELEPHONE/DATA OUTLET (No. OF OUTLETS)
- RADIO LINK

CONTROL PANEL EQUIPMENT

- RESET PUSH BUTTON (NO)
- RESET PUSH BUTTON (NC)
- MUSHROOM HEAD STOP
- H O A — 3 POSITION SELECTOR SWITCH
- ON OFF — 2 POSITION SELECTOR SWITCH
- H O A — HAND-OFF-AUTO SELECTOR SWITCH
- U O D — UP-OFF-DOWN SELECTOR SWITCH
- RESET PUSH BUTTON
- A AMBER PILOT LIGHT
- G GREEN PILOT LIGHT
- R RED PILOT LIGHT
- DUPLEX RECEPTACLE
- SINGLE PHASE PLUG
- F MAIN CONTROL PANEL FUSED TERMINAL BLOCK
- F AUXILIARY FUSED TERMINAL BLOCK
- CIRCUIT BREAKER
- MAIN CONTROL PANEL TERMINAL BLOCK
- PLC/RTU TERMINAL
- AUXILIARY TERMINAL BLOCK
- MCC/VFD TERMINAL BLOCK
- DEVICE TERMINAL BLOCK
- R 1000 — DRY CONTACT RELAY
- TDR 1000 — TIME DELAY RELAY
- M MAGNETIC CONTACTOR
- SOLENOID
- DRY CONTACT RELAY (NC)
- DRY CONTACT RELAY (NO)
- VARIABLE RESISTOR

CONTROL PANEL EQUIPMENT CONTINUED

- RESISTOR
- TH THERMISTOR
- DIODE
- MOV METAL OXIDE VARISTOR

INSTRUMENTATION EQUIPMENT

- LEVEL SWITCH (OPEN ON RISING LEVEL)
- LEVEL SWITCH (OPEN ON FALLING LEVEL)
- FLOW SWITCH (OPEN ON RISING FLOW)
- FLOW SWITCH (OPEN ON FALLING FLOW)
- PRESSURE SWITCH (OPEN ON RISING PRESSURE)
- PRESSURE SWITCH (OPEN ON FALLING PRESSURE)
- TEMPERATURE SWITCH (OPEN ON RISING TEMPERATURE)
- TEMPERATURE SWITCH (OPEN ON FALLING TEMPERATURE)
- LIMIT SWITCH (NC)
- LIMIT SWITCH (NO)
- TIME DELAY RELAY (NC)
- TIME DELAY RELAY (NO)
- XXX xxx INSTRUMENTATION IDENTIFICATION TAG

PLC I/O

- PLC DI PLC/RTU DIGITAL INPUT
- PLC DO PLC/RTU DIGITAL OUTPUT
- PLC AI PLC/RTU ANALOG INPUT
- PLC AO PLC/RTU ANALOG OUTPUT

MISCELLANEOUS AND LABELS

- REVISION NUMBER
- FIXTURE TYPE
- -- MECHANICAL EQUIPMENT IDENTIFICATION TAG
- KITCHEN EQUIPMENT TAG
- KEY NOTES
- SINGLE LINE BREAK
- DOUBLE LINE BREAK
- CAPPED OFF LINE OR CONDUIT
- CONDUIT BREAK
- CABLE TRAY
- DW DISH WASHER
- F FRIDGE
- R RANGE
- M MICROWAVE
- G GARBURATOR
- D DRYER
- W WASHER
- NL NIGHT LIGHT
- TP TAMPER PROOF
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- IG ISOLATED GROUND
- EM EMERGENCY
- AF AMP FRAME
- AT AMP TRIP
- WP WEATHER PROOF
- XP EXPLOSION PROOF
- E EXISTING DEVICE TO REMAIN
- X EXISTING DEVICE TO BE REMOVED
- ER EXISTING DEVICE TO BE RELOCATED
- RD RELOCATED DEVICE
- WIRE COUNT
- CONDUIT RUN UP
- CONDUIT RUN DOWN
- OH OVERHEAD POWER
- UG UNDERGROUND POWER
- CONDUCTOR/CONDUIT
- UNDERGROUND CONDUCTOR/CONDUIT
- FLEXIBLE CONDUIT
- EXISTING EQUIPMENT
- NEW EQUIPMENT
- EQUIPMENT TO BE REMOVED

NOTES:

1. ALL BOLD ITEMS INDICATE WORK TO BE DONE AND ALL LIGHT ITEMS INDICATE EXISTING CONDITIONS.
2. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.

THE EXISTENCE, LOCATION AND ELEVATION OF ALL UTILITIES AS SHOWN ON ANY PLANS MAY BE BASED ON INFORMATION RECEIVED FROM THE RESPECTIVE AUTHORITIES AND ARE NOT GUARANTEED BY THE ENGINEER. NO RESPONSIBILITY IS IMPLIED OR ASSUMED BY THE ENGINEER AS TO THE LOCATION AND ELEVATION OR ANY OMISSIONS. THE CONTRACTOR OR ANY THIRD-PARTY IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND MUST CONTACT THE VARIOUS UTILITY COMPANIES FOR ON SITE INFORMATION PRIOR TO COMMENCEMENT OF ANY OPERATIONS.

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	D.G.	CHECKED BY	D.J.H.
DRAWN BY	N.O.W.	APPROVED BY	P.P.G.
SCALE: HORIZONTAL VERTICAL		RELEASED FOR CONSTRUCTION	
DATE	2019–9–11	DATE	

PLOT DATE: 2019 09 16

ORIGINAL SEALED BY PETER GOERTZEN 2019-09-16

CONSULTANT DRAWING NUMBER E0.1

BID OPPORTUNITY: 913–2019

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

BURROWS OUTFALL GATE CHAMBER UPGRADES
LEGEND

CITY DRAWING NUMBER 1–03000–E0001–001 SHEET 13 OF 20

FILE PATH: \\mhdc02\data\84\00 City of Winnipeg\002 – Burrows Outfall Gate Chamberts Upgrades\Autodesk\ACAD\
FILE NAME: E0.1 Legend.dwg