GENERAL DRAWINGS

CITY OF WINNIPEG DWG NO.	DESCRIPTION	REV
1-0131L-D0001-001-00	COVERSHEET	0
1-0131L-D0002-001-00	LOCATION PLAN	0
1-0131L-D0003-001-00	DRAWING INDEX	0

CIVIL DRAWINGS

CITY OF WINNIPEG DWG NO.	DESCRIPTION	REV
1-0131L-C0001-001-00	CIVIL SITE SERVICES PLAN AND BYPASS DETAILS	0
1-0131L-C0002-001-00	CIVIL LOT GRADING PLAN AND SITE DRAINAGE	0

ARCHITECTURAL DRAWINGS

CITY OF WINNIPEG DWG NO.	DESCRIPTION	REV
1-0131L-B0001-001-00	GENERAL NOTES AND CODE REVIEW PLAN	0
1-0131L-B0002-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS MAIN FLOOR & BASEMENT DEMOLITION PLAN	0
1-0131L-B0003-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS MOTOR ROOM & PUMP ROOM DEMOLITION PLAN	0
1-0131L-B0004-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS DEMOLITION SECTION VIEW 1	0
1-0131L-B0005-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS MAIN FLOOR & ROOF PLAN	0
1-0131L-B0006-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS BASEMENT & MOTOR ROOM PLAN	0
1-0131L-B0007-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS PUMP ROOM & COMMINUTOR CHAMBER PLAN	0
1-0131L-B0008-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS BUILDING ELEVATIONS	0
1-0131L-B0009-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS BUILDING SECTIONS	0
1-0131L-B0010-001-00	BUILDING/ARCHITECTURAL PLANS AND SECTIONS SUBSTRUCTURE SECTION 1	0
1-0131L-B0011-001-00	BUILDING/ARCHITECTURAL ARCHITECTURAL DETAILS	0
1-0131L-B0012-001-00	BUILDING/ARCHITECTURAL ARCHITECTURAL DETAILS AND SCHEDULES	0

STRUCTURAL DRAWINGS

CITY OF WINNIPEG DWG NO.	DESCRIPTION	REV
1-0131L-S0009-001-00	SPECIFICATION NOTES	0
1-0131L-S0001-001-00	STRUCTURAL PLANS AND SECTIONS MAIN FLOOR & ROOF PLAN	0
1-0131L-S0002-001-00	STRUCTURAL PLANS AND SECTIONS BASEMENT & MOTOR ROOM PLAN	0
1-0131L-S0003-001-00	STRUCTURAL PLANS AND SECTIONS PUMP ROOM, WET WELL & COMMINUTOR CHAMBER PLAN	0
1-0131L-S0004-001-00	STRUCTURAL PLANS AND SECTIONS MASONRY ELEVATIONS & CORE FILL PLAN	0
1-0131L-S0005-001-00	STRUCTURAL SECTIONS AND DETAILS WET WELL CONSTRUCTION & REHABILITATION	0
1-0131-SDTL-L101-001	STRUCTURAL SECTIONS AND DETAILS LADDERS, HATCHES, FRAMES, STAIRS, GUARDRAILS	0
1-0131-SDTL-L101-002	STRUCTURAL SECTIONS AND DETAILS MISCELLANEOUS DETAILS	0

PROCESS DRAWINGS

CITY OF WINNIPEG DWG NO.	DESCRIPTION	REV
1-0131L-P0001-001-00	PROCESS AND INSTRUMENTATION LEGEND	0
1-0131L-P0002-001-00	WET WELL, SUMP, AND LEVEL TRANSMITTERS PROCESS AND INSTRUMENTATION DIAGRAM	0
1-0131L-P0003-001-00	PROCESS AND INSTRUMENTATION DIAGRAM WASTEWATER LIFT PUMPING	0
1-0131L-P0004-001-00	PROCESS AND INSTRUMENTATION DIAGRAM HVAC VENTILATION AND MISCELLANEOUS	0

MECHANICAL DRAWINGS

CITY OF WINNIPEG DWG NO.	DESCRIPTION	REV
1-0131L-M0002-001-00	MECHANICAL PLAN PLANS AND SECTIONS MOTOR ROOM & PUMP ROOM DEMOLITION PLAN	0
1-0131L-M0003-001-00	MECHANICAL PLAN PLANS AND SECTIONS BASEMENT & MAIN FLOOR DEMOLITION PLAN	0
1-0131L-M0004-001-00	MECHANICAL PLAN PLANS AND SECTIONS DEMOLITION SECTION VIEWS	0
1-0131L-M0005-001-00	MECHANICAL PLAN PLANS AND SECTIONS MOTOR & PUMP ROOM PROCESS PIPING PLAN	0
1-0131L-M0006-001-00	MECHANICAL PLAN PLANS AND SECTIONS MOTOR & PUMP ROOM HVAC & PLUMBING PLAN	0
1-0131L-M0007-001-00	MECHANICAL PLAN PLANS AND SECTIONS BASEMENT & MAIN FLOOR HVAC & PLUMBING PLAN	0
1-0131L-M0008-001-00	MECHANICAL PLAN PLANS AND SECTIONS PROCESS & MECHANICAL SECTION 1	0
1-0131L-M0009-001-00	MECHANICAL PLAN PLANS AND SECTIONS PROCESS & MECHANICAL SECTION 2	0
1-0131L-M0010-001-00	MECHANICAL DETAILS LIFT PUMPS & LEVEL GAUGE DETAILS	0
1-0131L-M0011-001-00	MECHANICAL DETAILS TYPICAL MECHANICAL DETAILS, PIPE SUPPORTS, SEAL WATER	0
1-0131L-M0012-001-00	MECHANICAL DETAILS TYPICAL MECHANICAL DETAILS	0
1-0131L-M0013-001-00	MECHANICAL SCHEDULES PROCESS & HVAC EQUIPMENT	0

ELECTRICAL DRAWINGS

CITY OF WINNIPEG DWG NO.	DESCRIPTION	REV
1-0131L-E0002-001-00	ELECTRICAL SITE PLAN PLANS AND SECTIONS DEMOLITION	0
1-0131L-E0003-001-00	ELECTRICAL BUILDING PLAN DEMOLITION	0
1-0131L-E0004-001-00	ELECTRICAL SINGLE LINE DIAGRAM	0
1-0131L-E0005-001-00	ELECTRICAL SITE PLAN PLANS AND SECTIONS	0
1-0131L-E0006-001-00	ELECTRICAL BUILDING PLAN PLANS AND SECTIONS	0
1-0131L-E0007-001-00	ELECTRICAL HAZARDOUS LOCATION PLAN PLANS AND SECTIONS	0
1-0131L-E0008-001-00	MCC ELEVATIONS AND DETAILS MCC-L71	0
1-0131L-E0009-001-00	ELECTRICAL GROUNDING DETAILS	0
1-0131L-E0010-001-00	ELECTRICAL SCHEDULES PNL-L74 AND LUMINAIRES	0
1-0131L-E0011-001-00	MOTOR STARTER SCHEMATIC P-L01 LIFT PUMP	0
1-0131L-E0012-001-00	MOTOR STARTER CONNECTION DIAGRAM P-L01 LIFT PUMP	0
1-0131L-E0013-001-00	MOTOR STARTER SCHEMATIC P-L02 LIFT PUMP	0
1-0131L-E0014-001-00	MOTOR STARTER CONNECTION DIAGRAM P-L02 LIFT PUMP	0
1-0131L-E0015-001-00	MOTOR STARTER SCHEMATIC & CONNECTIONS SF-L61 HVAC SUPPLY FAN AND EF-L62 HVAC EXHAUST FAN	0

AUTOMATION DRAWINGS

CITY OF WINNIPEG DWG NO.	Sheet Title	REV
1-0131L-A0001-001-00	AUTOMATION DEMOLITION PLAN PLANS AND SECTIONS DEMOLITION	0
1-0131L-A0002-001-00	AUTOMATION PLAN PLANS AND SECTIONS MAIN FLOOR AND DRY WELL PLAN	0
1-0131L-A0003-001-00	PANEL LAYOUT AND BILL OF MATERIALS PLC CONTROL PANEL CP-L81	0
1-0131L-A0004-001-00	NETWORK BLOCK DIAGRAM PLC CONTROL PANEL CP-L81	0
1-0131L-A0005-001-00	POWER DISTRIBUTION WIRING SCHEMATIC PLC CONTROL PANEL CP-L81	0
1-0131L-A0006-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 DISCRETE INPUT – RACK 0, MODULE 4	0
1-0131L-A0007-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 DISCRETE INPUT – RACK 0, MODULE 5	0
1-0131L-A0008-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 DISCRETE OUTPUT – RACK 0, MODULE 6	0
1-0131L-A0009-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 ANALOG INPUT – RACK 0, MODULE 7	0
1-0131L-A0010-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 ANALOG INPUT – RACK 0, MODULE 8	0
1-0131L-A0011-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 ANALOG INPUT – RACK 0, MODULE 9	0
1-0131L-A0012-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 ANALOG INPUT – RACK 0, MODULE 10	0
1-0131L-A0013-001-00	PLC IO WIRING PLC CONTROL PANEL CP-L81 ANALOG OUTPUT – RACK 0, MODULE 11 & RACK 1, MODULE 2	0
1-0131L-A0014-001-00	AUTOMATIC PUMP CONTROL WIRING SCHEMATIC PLC CONTROL PANEL CP-L81 LOCAL MODE AND PLC MODE OF OPERATION	0
1-0131L-A0015-001-00	PANEL LAYOUT AND BILL OF MATERIALS HVAC VENTILATION CONTROL PANEL JBA-L83	0
1-0131L-A0016-001-00	POWER DISTRIBUTION WIRING SCHEMATIC HVAC VENTILATION CONTROL PANEL JBA-L83	0
1-0131L-A0017-001-00	PANEL LAYOUT AND BILL OF MATERIALS INTRINSICALLY SAFE JUNCTION BOX JBA-L82	0
1-0131L-A0018-001-00	LOOP DIAGRAM WET WELL LEVEL CONTROLLER LIT-L100-1, LIC-L100-1	0
1-0131L-A0019-001-00	LOOP DIAGRAM WET WELL LEVEL CONTROLLER LIT-L100-2, LIC-L100-2	0
1-0131L-A0020-001-00	LOOP DIAGRAM LIFT PUMP P-L01 DISCHARGE FLOW TRANSMITTER FE-L012, FIT-L012	0
1-0131L-A0021-001-00	LOOP DIAGRAM LIFT PUMP P-L02 DISCHARGE FLOW TRANSMITTER FE-L022, FIT-L022	0
1-0131L-A0022-001-00	LOOP DIAGRAM H2S GAS MONITORING DETECTOR AE-L550-1, AE-L550-2, AIT-L550	0
1-0131L-A0023-001-00	LOOP DIAGRAM WET WELL HIGH HIGH LEVEL FLOAT LSHH-L101	0
1-0131L-A0024-001-00	LOOP DIAGRAM PUMP ROOM LEVEL FLOOD FLOAT LSH-L501	0
1-0131L-A0025-001-00	LOOP DIAGRAM COMMINUTOR CHAMBER LEVEL FLOOD FLOAT LSH-L502	0
1-0131L-A0026-001-00	LOOP DIAGRAM MAIN FLOOR AIR FILTER DIFFERENTIAL PRESSURE & FLOW SWITCHES PDSH-L661, FSL-L613, FSL-L652	0
1-0131L-A0027-001-00	LOOP DIAGRAM MAIN FLOOR HVAC VENTILATION AIR DAMPERS FV-L601, FV-L602, FV-L603, TIC-L600	0
1-0131L-A0028-001-00	LOOP DIAGRAM MAIN FLOOR DUCT HEATER TEMPERATURE AND CONTROL TE-L600, HCE-L67, TIC-L600	0
1-0131L-A0029-001-00	LOOP DIAGRAM MAIN FLOOR OCCUPANCY AND TEMPERATURE SWITCHES HS-L604, TSH-L600, TSL-L600, TIC-L600	0
1-0131L-A0030-001-00	LOOP DIAGRAM LIFT PUMP P-L01 SEAL WATER FLOW SWITCH FSL-L011	0
1-0131L-A0031-001-00	LOOP DIAGRAM PUMP P-L01 MOTOR HIGH TEMPERATURE SWITCH TSH-L011	0
1-0131L-A0032-001-00	LOOP DIAGRAM PUMP P-L01 SHAFT BEARING TEMPERATURE TRANSMITTERS TE-L010-1, TE-L010-2. TT-L010-1, TT-L010-2	0
1-0131L-A0033-001-00	LOOP DIAGRAM PUMP P-L01 SHAFT BEARING VIBRATION SENSORS VIC-L010-1, VIC-L010-2, VT-L010-1, VT-L010-2	0
1-0131L-A0034-001-00	LOOP DIAGRAM LIFT PUMP P-L02 SEAL WATER FLOW SWITCH FSL-L021	0
1-0131L-A0035-001-00	LOOP DIAGRAM PUMP P-L02 MOTOR HIGH TEMPERATURE SWITCH TSH-L021	0
1-0131L-A0036-001-00	LOOP DIAGRAM PUMP P-L02 SHAFT BEARING TEMPERATURE TRANSMITTERS TE-L020-1, TE-L020-2. TT-L020-1, TT-L020-2	0
1-0131L-A0037-001-00	LOOP DIAGRAM PUMP P-L02 SHAFT BEARING VIBRATION SENSORS VIC-L020-1, VIC-L020-2, VT-L020-1, VT-L020-2	0
1-0131L-A0038-001-00	LOOP DIAGRAM PUMP ROOM TEMPERATURE TRANSMITTER TT-L681	0
1-0131L-A0039-001-00	LOOP DIAGRAM MAIN FLOOR TEMPERATURE TRANSMITTER TT-L691	0
1-0131L-A0040-001-00	LOOP DIAGRAM MOTOR ROOM TEMPERATURE TRANSMITTER TT-L671	0
1-0131L-A0041-001-00	LOOP DIAGRAM POTABLE WATER SUPPLY LOW PRESSURE PSL-L526	0
1-0131L-A0042-001-00	LOOP DIAGRAM 600V POWER FAIL ALARM RELAY ESL-L711	0
1-0131L-A0043-001-00	LOOP DIAGRAM MCC-L71 SPD STATUS ALARM XS-L712	0
1-0131L-A0044-001-00	LOOP DIAGRAM CSO WEIR OVERFLOW LEVEL FLOAT SWITCH LSH-S663	0
1-0131L-A0045-001-00	LOOP DIAGRAM CSO PANEL LT-S661 (CON-S-661-LIT), LT-S662 (CON-S-662-LIT)	0
1-0131L-A0046-001-00	LOOP DIAGRAM CSO PANEL – BAROMETRIC PRESSURE PIT-LS861 LT-S951 (CON-S-951-LIT), ZT-S851 (CON-S-851-ZT)	0

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
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REFERENCE DRAWINGS

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
UNLESS OTHERWISE NOTED

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE, a division of Englobe Corp.
No. 4968 Date: MAR 19, 2024

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2024-03-19	

MPE a division of Englobe

DESIGNED BY	M. BAKER	CHECKED BY	
DRAWN BY	D. MCMILLAN	APPROVED BY	
SCALE: HORIZONTAL VERTICAL		RELEASED FOR CONSTRUCTION	
DATE	2024-03-19	DATE	

PLOT DATE: 2024 03 19

PROVINCE OF MANITOBA
M.J. BAKER
Member 43540
REGISTERED PROFESSIONAL ENGINEER
MARCH 21, 2024
CONSULTANT DRAWING NUMBER

BID OPPORTUNITY: --

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

CONWAY LIFT PUMPING STATION
2024 UPGRADES
DRAWING INDEX

CITY DRAWING NUMBER 1-0131L-D0003-001-00 SHEET 3 OF 102

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