GENERAL NOTES:

1. PILOT LIGHT SHALL HAVE A PUSH-TO-TEST FEATURE WIRED IN THAT IS NOT SHOWN ON THIS DRAWING.
2. PUMP HAS MOTOR (NON-DRIVE END) BEARING AND PUMP (DRIVE END) BEARING VIBRATION LOCKOUTS WIRED INTO THE READY CIRCUIT. THE VIBRATION LOCKOUTS ARE CURRENTLY DISABLED AT THIS TIME. PROVIDE A LABEL ON THE DOOR INDICATING VIBRATION LOCKOUTS ARE DISABLED.
3. AUXILLARY CONTACT ON DISCONNECT SHALL OPEN BEFORE MAINS ON DISCONNECT OPEN. AUXILLARY CONTACT SHALL CLOSE AFTER MAINS ON DISCONNECT CLOSE.

LEGEND:

- △ TERMINAL IN VFD PANEL
- □ TERMINAL IN PLC PANEL
- PLC INPUT
- PLC OUTPUT
- INTERNAL WIRE
- FIELD (EXTERNAL) WIRE

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10	–	–
9	–	–
8	–	–
7	–	–
6	–	–
5	–	–
4	1-0162L-E0010	MCC ELEVATION AND DETAILS MCC-L71
3	1-0162L-P0001-001	PROCESS WASTEWATER PUMPING
2	1-0162L-E0013	MOTOR STARTER CONNECTION DIAGRAM LIFT PUMP P-L01
1	1-0162L-E0003	SINGLE LINE DIAGRAM

REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.
ELEV.

NO.	REVISIONS	DATE (YYYMMDD)	BY
0	ISSUED FOR CONSTRUCTION	2023 03 24	DDW

KGS GROUP

DESIGNED BY	A. NIRMAL	CHECKED BY	DDW
DRAWN BY	R. GASPAR	APPROVED BY	DDW
SCALE: HORIZONTAL	NTS	RELEASED FOR CONSTRUCTION	
VERTICAL	NTS		
DATE	2022/07/14	DATE	

PLOT DATE: 2023 03 23

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.D. WILSON
Member
22552
2023-03-23
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
22-0107-004-E12.01

BID OPPORTUNITY: 864-2022

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

METCALFE LIFT PUMPING STATION
2023 UPGRADES
ELECTRICAL

MOTOR STARTER SCHEMATIC
LIFT PUMP P-L01

CITY DRAWING NUMBER 1-0162L-E0012-001

SHEET 63 OF 109

FILE PATH: P:\Projects\2022\22-0107-004\Dwg\Elec\
FILE NAME: 1-0162L-E0012-001.dwg