

Date	Revision	No.

**Livingstone Shire Council**  
WATER AND SEWERAGE OPERATIONS

DRW. BY	DATE. <b>22/05/2025</b>
CHECKED BY	SCALE. NTS
CAD FILE.	APPROVED.

CLIENT.	A3
TITLE.	<b>BELL PARK SEWAGE PUMP STATION SWITCHBOARD UPGRADE SIZE "B", 3Ø SCHEMATIC</b>
DRAWING No.	SHEET No. 2/11 REVISION 1

— CONTINUOUS LINE INDICATES SWITCHBOARD AND INTERNAL WIRING  
 - - - DASHED LINE INDICATES EXTERNAL WIRING



24VDC

MIRI INPUT EXPANSION MODULE

OVDC

82. Cont. from DRW -03

data loop from Miri

IR16

118.

IR17

119.

90. Cont. from DRW -03

+ 10-30V

gnd

data +

data -

DIG.INPUT

DI1

C1

DI2

DI3

DI4

DI5

DI6

DI7

DI8

DI9

C2

DI10

DI11

DI12

DI13

DI14

DI15

PUMP1 EARTH LEAKAGE

PUMP2 EARTH LEAKAGE

DOORS IN THE OPEN POSITION.

LIGHT & SECURITY RELAY

IR13

2A

91.

DOOR SW.

DOOR SW.

117.

A  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
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325  
326  
327  
328  
329

A  
B  
C  
D  
E  
F  
G  
H

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DRAWING No.	SHEET No. 4/11 REVISION 1

1 2 3 4 5 6 7 8 9 10 11 12



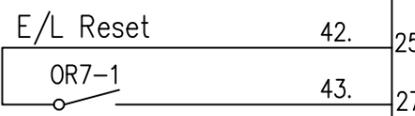
RH99M E/L RELAY

24VDC 85. A1 A2 0VDC

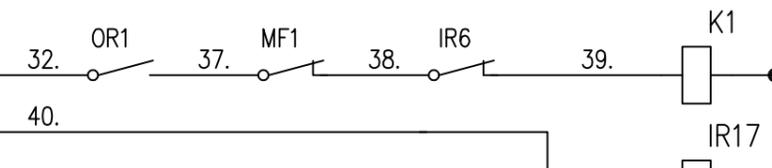
Motor cables from SOFT STARTER.



1 2 Motor cables to socket outlet.



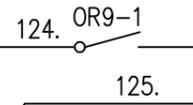
E STOP



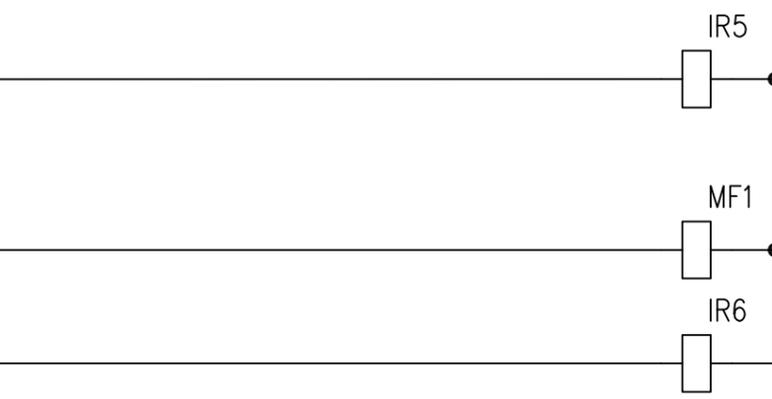
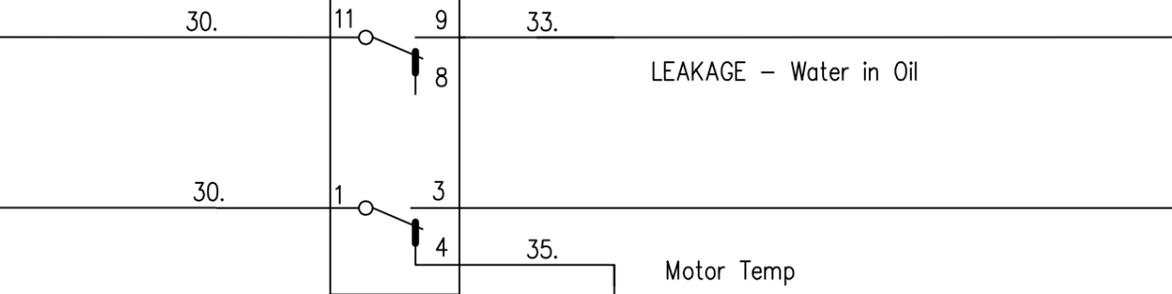
- PUMP 1 CONTACTOR
- INPUT RELAY - E/L FAULT
- INPUT RELAY - PUMP E/STOP

P1 MPR Mini CAS II

24VDC 85. 2 10 0VDC



T1 TO PUMP 1 SOCKET  
T2



- INPUT RELAY - WATER IN OIL
- MOTOR FAULT RELAY
- INPUT RELAY - MOTOR OVER TEMP.

CONTINUOUS LINE INDICATES SWITCHBOARD AND INTERNAL WIRING  
DASHED LINE INDICATES EXTERNAL WIRING

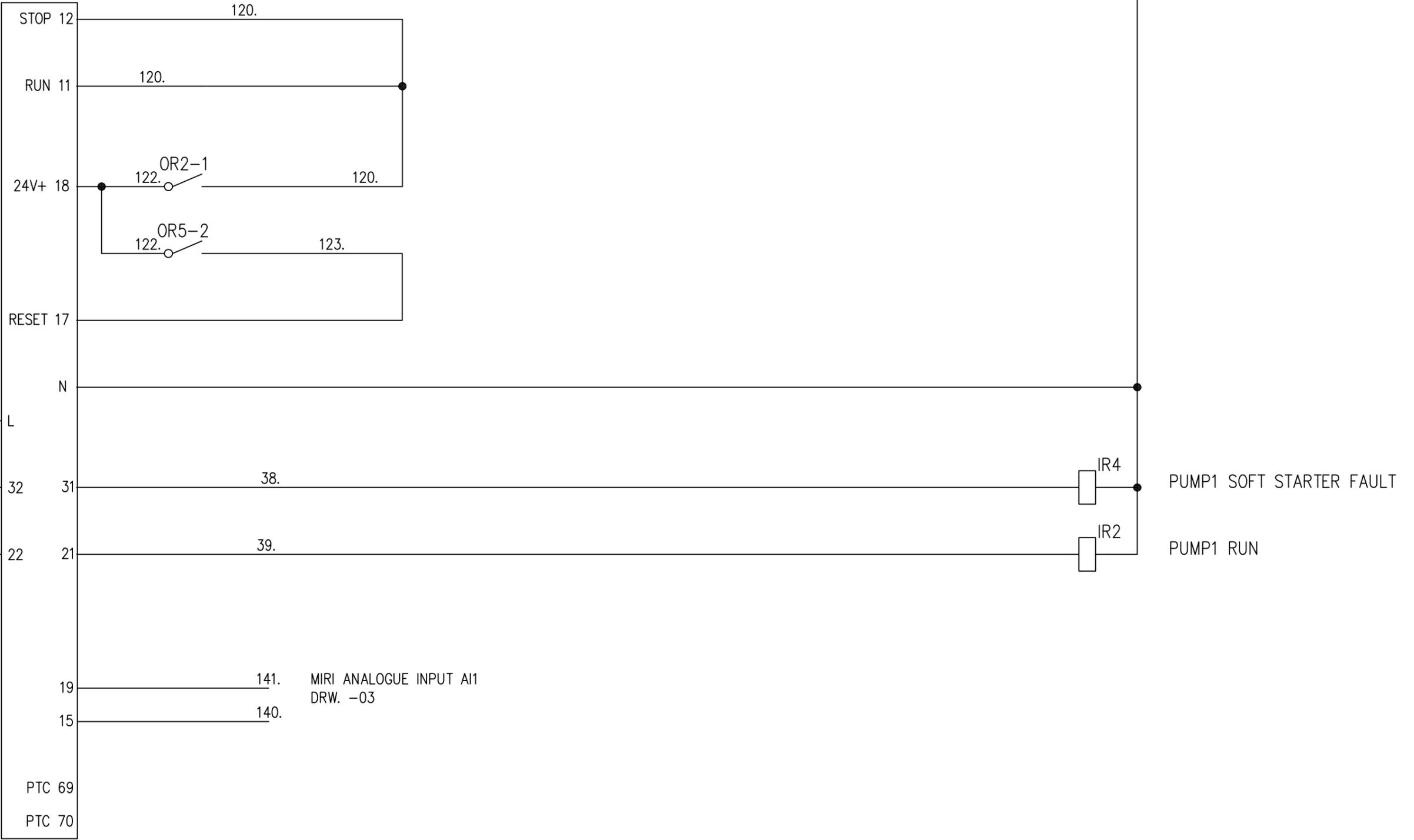
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CAD FILE.	APPROVED.
A.C.N. 110 778 482	

CLIENT.	A3
TITLE.	BELL PARK SEWAGE PUMP STATION SWITCHBOARD UPGRADE SIZE "B", 3Ø SCHEMATIC
DRAWING No.	SHEET No. 6/11 REVISION 1

PUMP1  
EMOTRON



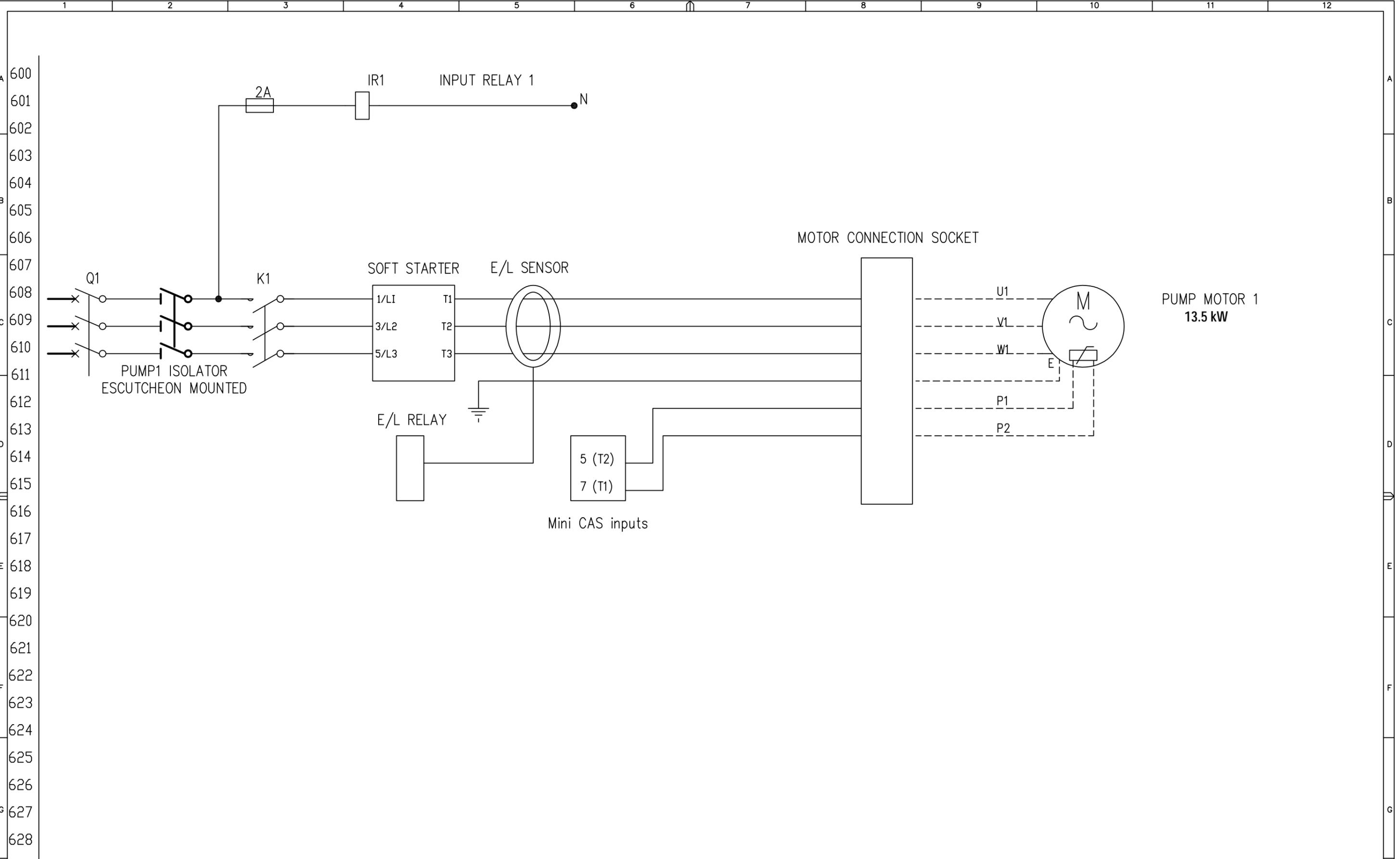
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CLIENT.	A3
TITLE.	<b>BELL PARK SEWAGE PUMP STATION SWITCHBOARD UPGRADE SIZE "B" , 3Ø SCHEMATIC</b>
DRAWING No.	SHEET No. 7/11 REVISION 1



			<b>Livingstone Shire Council</b> WATER AND SEWERAGE OPERATIONS			DRW. BY	DATE. <b>22/05/2025</b>	CLIENT. <b>A3</b>				
						CHECKED BY	SCALE. NTS	TITLE. <b>BELL PARK SEWAGE PUMP STATION SWITCHBOARD UPGRADE SIZE "B" , 3Ø SCHEMATIC</b>				
						CAD FILE. 1344	APPROVED.					
									DRAWING No.			SHEET No. <b>8/11</b>
CONTINUOUS LINE INDICATES SWITCHBOARD AND INTERNAL WIRING DASHED LINE INDICATES EXTERNAL WIRING			Date	Revision	No.							

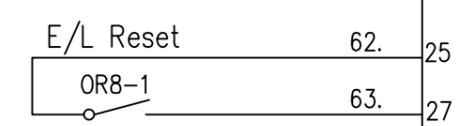
RH99M E/L RELAY

24VDC 85. A1 A2 0VDC

Motor cables from soft starter.

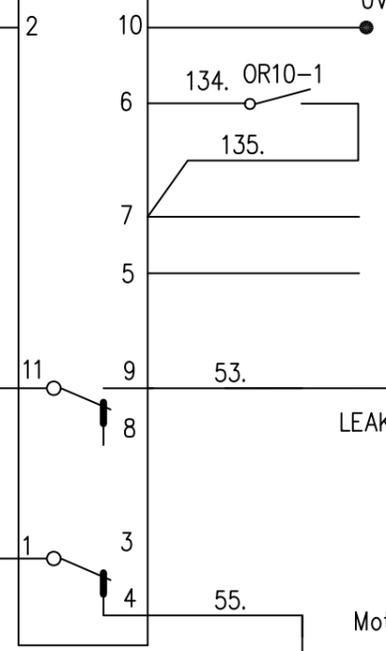


Motor cables to socket outlet.



E STOP

P2 MPR Mini CAS II



TO PUMP 2 SOCKET

LEAKAGE - Water in Oil

Motor Temp

N5

PUMP 2 CONTACTOR

INPUT RELAY - E/L FAULT

INPUT RELAY - PUMP E/STOP

INPUT RELAY - WATER IN OIL

INPUT RELAY - MOTOR OVER TEMP.

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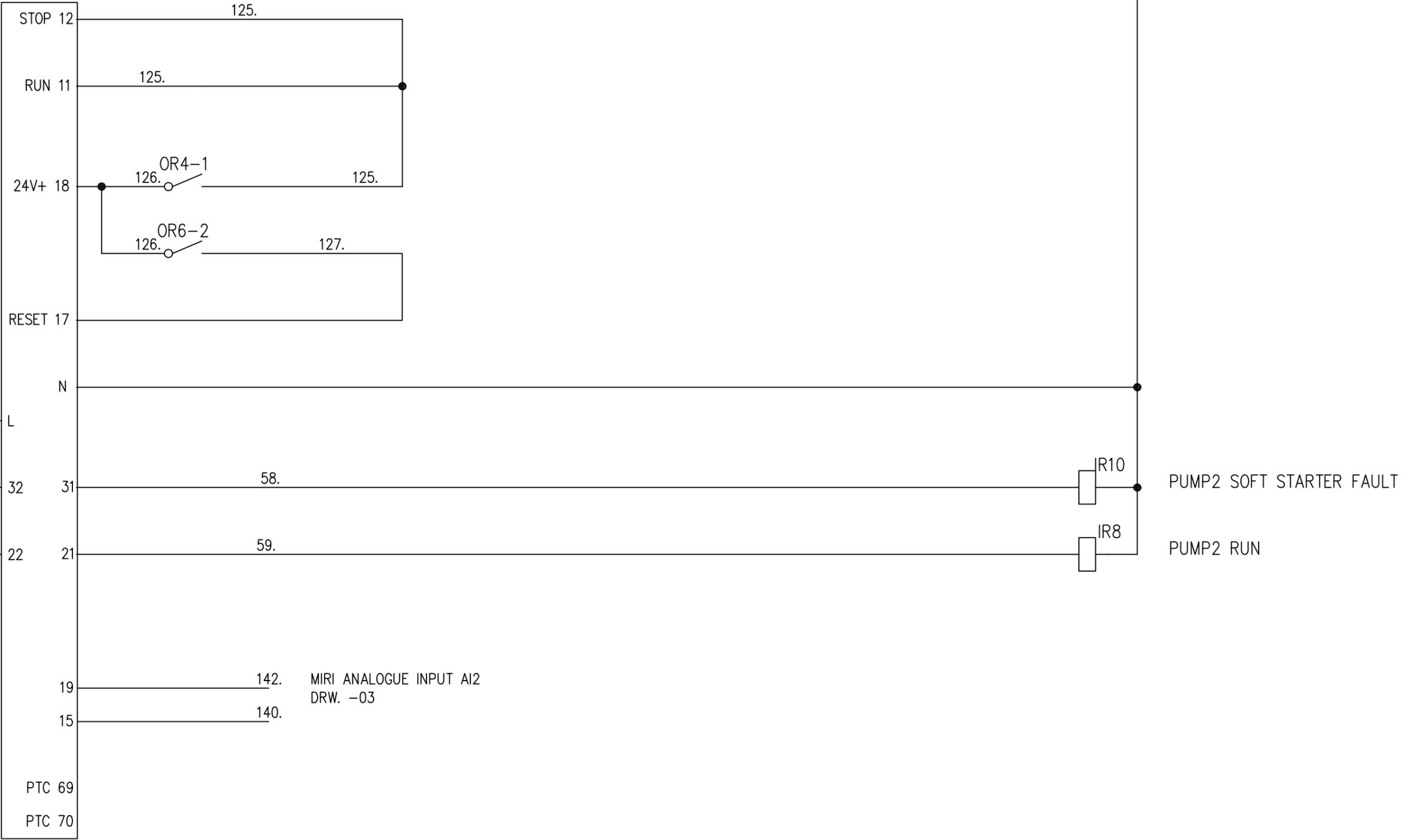
Livingstone Shire Council

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CLIENT.	A3
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DRAWING No.	SHEET No. 9/11 REVISION 1

PUMP2  
EMOTRON



PTC 69  
PTC 70

MIRI ANALOGUE INPUT AI2  
DRW. -03

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SHEET No.	10/11
REVISION	1

