24V DC SUPPLY FROM 24VDC1 CB
CONTINUED ON DRG A1-58854 LINE 2

24VDC1 (ORANGE) — PFR A1-58852 LINE 34 — DC1/1 (WHITE) — PFAR — 0VDC1 (BLACK)

24VDC1 (ORANGE) — 24VDC1 (ORANGE) — DCFR — 0VDC1 (BLACK)

24VDC1 (ORANGE) — STATION ATTENDED SWITCH (1-41) — DC1/3 (WHITE) — SAR — 0VDC1 (BLACK)

NOTE:
DRAWN FOR MJK LEVEL TRANSMITTER.
VEGAMET 391 TERMINALS SHOWN IN BRACKETS.

24VDC1 (ORANGE) — DUTY PUMP OPERATE QB1 AW01 LT1S1 REL 1 A1-58858 LINE 6 (7 (21) / 6 (20)) — DC1/4 (WHITE) — DPOR — 0VDC1 (BLACK)

24VDC1 (ORANGE) — STANDBY PUMP OPERATE QB1 AW01 LT1S2 REL 2 A1-58858 LINE 5 (9 (24) / 8 (23)) — DC1/5 (WHITE) — SPOR — 0VDC1 (BLACK)

ACE3600 RTU
SLOT 3 DO 5
A1-58863 LINE 12 & 13

24VDC1 (ORANGE) — PF1EC02 TS8/9 — S3-9 — S3-10 — PF1EC02 TS8/10 — DC1/6 (WHITE) — DR — 0VDC1 (BLACK)

24V DC SUPPLY FROM RTU AUX 2A
CONTINUED ON DRG A1-58859 LINE 23 & 24

24VDC (WHITE) — PF1ED01 — TS10/9 — PF1ED01 — DC1/7A (WHITE) — DCFR LINE 6 — PF1ED01 TS10/7 — DC1/7B (WHITE) — DC1/7 (WHITE) — PF1ED01 TS10/1 — 2A FAST BLOW — PF1ED01 TS10/1 — DC1/8 (WHITE)

12V/24V DC SUPPLY CONTINUED ON DRG A1-58858 LINE 1 & 3

PF1ED01 TS10/2 — DC1/11 (WHITE) — DCFR LINE 6 — DC1/11A (BLACK) — DC1/11B (BLACK) — PF1ED01 TS10/8 — TS10/10 — PF1ED01 — 0VDC (WHITE)

PF1ED01 TS10/3 — 2A FAST BLOW — PF1ED01 TS10/3

PF1ED01 TS10/4

PF1ED01 TS10/5 — 2A FAST BLOW — PF1ED01 TS10/5

PF1ED01 TS10/6

24V DC SUPPLY
CONTINUED ON LINE 26

1
2 PHASE FAILURE AUXILIARY RELAY — A1-58856 — A1-58857 — NO 27 18 18 / NC
3
4
5
6 24V DC FAIL RELAY — A1-58860 — NO 19 19 8 / NC 19 19 47
7
8 SITE ATTENDED RELAY — A1-58854 — A1-58862 — NO 21 12 / NC
9
10
11 DUTY PUMP OPERATE RELAY — A1-58856 — A1-58857 — NO 19 20 / NC
12
13 STANDBY PUMP OPERATE RELAY — A1-58856 — A1-58857 — NO 20 19 / NC
14
15 DUTY RELAY — A1-58856 — A1-58857 — A1-58857 — NO 20 20 35 / NC 20 20 35 — A1-58856 — A1-58857 — A1-58856
16
17
18
19
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25

24V DC SUPPLY
CONTINUED ON LINE 25

24VDC1 (ORANGE) — PFAR LINE 2 — DC1/12 (WHITE) — W — 0VDC1 (BLACK)

24VDC1 (ORANGE) — RTUFR A1-58861 LINE 7 — DC1/13 (WHITE) — 0 — 0VDC1 (BLACK)

ACE3600 RTU
SLOT 3 DO 3
A1-58863 LINE 8 & 9

24VDC1 (ORANGE) — PF1EC02 TS8/5 — S3-5 — S3-6 — PF1EC02 TS8/6 — DC1/14 (WHITE) — 0 — 0VDC1 (BLACK)

ACE3600 RTU
SLOT 3 DO 4
A1-58863 LINE 10 & 11

24VDC1 (ORANGE) — PF1EC02 TS8/7 — S3-7 — S3-8 — PF1EC02 TS8/8 — DC1/15 (WHITE) — 0 — 0VDC1 (BLACK)

ACE3600 RTU
SLOT 3 DO 7
A1-58863 LINE 17 & 18

24VDC1 (ORANGE) — PF1EC02 TS8/14 — S3-14 — S3-15 — PF1EC02 TS8/15 — DC1/16 (WHITE) — 0 — 0VDC1 (BLACK)

ACE3600 RTU
SLOT 3 DO 6
A1-58863 LINE 14 & 15

24VDC1 (ORANGE) — PF1EC02 TS8/11 — S3-11 — S3-12 — PF1EC02 TS8/12 — DC1/17 (WHITE) — 0 — 0VDC1 (BLACK)

24V AC SUPPLY FROM 24VAC1 CB
CONTINUED ON DRG A1-58854 LINE 30

WET WELL WASHER
RUN/OFF/AUTO SWITCH

ACE3600 RTU
SLOT 3 DO 8
A1-58863
LINE 20 & 21

24VAC1 (GREY) — AC1/1 (WHITE) — PF1EC02 TS8/17 — S3-17 — S3-18 — PF1EC02 TS8/18 — AC1/2 (WHITE) — PF1ED01 TS11/1 — (1W) — PF1EJ01 TS2/15 — QB1VS06 — PF1EJ01 TS2/16 — (1BK) — PF1ED01 TS11/2 — 24N1 (BLACK)

24VAC1 (GREY) — RUN OFF AUTO

24VAC1 (GREY) — DCFR LINE 6 — AC1/3 (WHITE) — 0 — 24N1 (BLACK)

44 WELL WASHER SOLENOID VALVE
47 24V DC FAIL INDICATION

26
27 POWER OK INDICATION
28
29 RTU FAIL INDICATION
30
31 HIGH LEVEL INDICATION
32
33 HIGH HIGH LEVEL INDICATION
34
35 OVERFLOW LEVEL INDICATION
36
37 ALTERNATING DUTY INDICATION
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REVISIONS

No.	DATE	DESCRIPTION	APP'D
5	9/11/18	REVISED PHASE FAILURE AUXILIARY RELAY.	G.F.
4	19/4/17	ADDED VEGAMET 391 LEVEL TRANSMITTER (OPTION No 2).	P.S.
3	8/3/16	ROTATED PFR CONTACT.	M.S.
2	14/9/15	CHANGED PFR TO NORMALLY OPEN AND REVISED DRG REFERENCE.	M.S.
1	19/8/15	ADDED NEW GW SHT - APPROVED STANDARD DRG.	M.S.
0	27/3/15	INITIAL ISSUE.	M.S.

REFERENCES

PLAN No.	TITLE
A1-58850	STANDARD SPS - PUMP STATION 7.5kW TO 22kW (SOFT STARTER) - I & C - DRAWING INDEX

DESIGNED BY:

OPTIMUM DRAFTING PTY LTD
A.B.N. 28 065 272 942

DO NOT SCALE

CERTIFICATION OF COMPLIANCE WITH GIPPSLAND WATER'S DESIGN & DRAFTING REQUIREMENTS.

DESIGNED: 25/03/2015 - M SENANAYAKE
DRAWN: 27/03/2015 - OPT/MM
CHECKED: 01/04/2015 - M SENANAYAKE

GIPPSLAND WATER DRAWING STATUS: STANDARD DRAWING

GIPPSLAND WATER FACILITY CODE: XXCPXX

GIPPSLAND WATER

DRAWING No. A1-58855 REV. 5

STANDARD SEWERAGE PUMP STATION
PUMP STATION 7.5kW TO 22kW (SOFT STARTER)
COMMON CONTROL
ELECTRICAL SCHEMATIC DIAGRAM