24V DC SUPPLY FROM 24VDC1 CB
CONTINUED ON DRG A1-52778 LINE 2

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

24V DC FAIL RELAY — A1-52788 — NO 19 | 19 | 19 | 8 — NC 19 | 19 | 19 | 49

24VDC1 (ORANGE) — STATION ATTENDED SWITCH LT1 — DC1/3 (WHITE) — SAR — 0VDC1 (BLACK)

SITE ATTENDED RELAY — A1-52778, A1-52790 — NO 17 | 17 — NC

QB1 SA01 LIT1

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

DUTY PUMP OPERATE LT1S1 REL 1 A1-52792 LINE 5

24VDC1 (ORANGE) — PF1EC05 TLS1/7 (4W) — 21 (7) — 20 (6) — PF1EC05 TLS1/8 (4Bk) — DC1/4 (WHITE) — DPOR — 0VDC1 (BLACK)

DUTY PUMP OPERATE RELAY — A1-52781, A1-52784 — NO 17 | 14 — NC

STANDBY PUMP OPERATE LT1S2 REL 2 A1-52792 LINE 7

24VDC1 (ORANGE) — PF1EC05 TLS1/5 (3W) — 24 (9) — 23 (8) — PF1EC05 TLS1/6 (3Bk) — DC1/5 (WHITE) — SPOR — 0VDC1 (BLACK)

STANDBY PUMP OPERATE RELAY — A1-52781, A1-52784 — NO 14 | 17 — NC

RTU SLOT 3 DO-5 A1-52791 LINE 12 & 13

24VDC1 (ORANGE) — PF1EC06 RTU8/9 — S3-9 — S3-10 — PF1EC06 RTU8/10 — DC1/6 (WHITE) — DR — 0VDC1 (BLACK)

DUTY RELAY — A1-52781, A1-52784, A1-52785, A1-52782 — NO 21 | 21 | 19 — NC 21 | 21 | 19

24V REG DC SUPPLY FROM 12/24V DC CONVERTER
CONTINUED ON DRG A1-52787 LINE 24 & 25

BU-24VDC (ORANGE) — PF1EC05 — TS10/9 — PF1EC05 — DC1/7A (WHITE) — DCFR LINE 6 — PF1EC05 TS10/7 — DC1/7B (WHITE)

DC1/7 (WHITE) — PF1EC05 TS10/1 — PF1EC05 TS10/1 — DC1/8 (WHITE) — CONTINUED ON DRG A1-52792 LINE 2

PF1EC05 TS10/2 — DC1/11 (WHITE)

BU-0VDC (BLACK) — PF1EC05 — TS10/10 — PF1EC05 — DCFR LINE 6 — DC1/11A (BLACK) — PF1EC05 TS10/8 — DC1/11B (BLACK)

DC1/7 (WHITE) — PF1EC05 TS10/3 — PF1EC05 TS10/3 — DC1/9 (WHITE) — CONTINUED ON DRG A1-70040 LINE 5 & 7

PF1EC05 TS10/4 — DC1/11 (WHITE)

REMOVE IF EMERGENCY STORAGE NOT REQUIRED

DC1/7 (WHITE) — PF1EC05 TS10/5 — PF1EC05 TS10/5

PF1EC05 TS10/6 — DC1/11 (WHITE)

24V DC SUPPLY
CONTINUED ON LINE 26

NOTE
JUNCTION BOX DETAILS SHOWN IN BRACKETS FOR PUMPS UP TO 45kW

24V DC SUPPLY
CONTINUED ON LINE 25

PFR A1-52775 LINE 12

24VDC1 (ORANGE) — DC1/12 (WHITE) — W — 0VDC1 (BLACK) — POWER OK INDICATION

RTUFR A1-52789 LINE 7

24VDC1 (ORANGE) — DC1/13 (WHITE) — 0 — 0VDC1 (BLACK) — RTU FAIL INDICATION

RTU SLOT 3 DO-3 A1-52791 LINE 8 & 9

24VDC1 (ORANGE) — PF1EC06 RTU8/5 — S3-5 — S3-6 — PF1EC06 RTU8/6 — DC1/14 (WHITE) — 0 — 0VDC1 (BLACK) — HIGH LEVEL INDICATION

RTU SLOT 3 DO-4 A1-52791 LINE 10 & 11

24VDC1 (ORANGE) — PF1EC06 RTU8/7 — S3-7 — S3-8 — PF1EC06 RTU8/8 — DC1/15 (WHITE) — 0 — 0VDC1 (BLACK) — HIGH HIGH LEVEL INDICATION

RTU SLOT 3 DO-7 A1-52791 LINE 17 & 18

24VDC1 (ORANGE) — PF1EC06 RTU8/14 — S3-14 — S3-15 — PF1EC06 RTU8/15 — DC1/16 (WHITE) — 0 — 0VDC1 (BLACK) — OVERFLOW LEVEL INDICATION

RTU SLOT 3 DO-6 A1-52791 LINE 14 & 15

24VDC1 (ORANGE) — PF1EC06 RTU8/11 — S3-11 — S3-12 — PF1EC06 RTU8/12 — DC1/17 (WHITE) — 0 — 0VDC1 (BLACK) — ALTERNATING DUTY SELECTED INDICATION

LSIR A1-52789 LINE 4

24VDC1 (ORANGE) — DC1/18 (WHITE) — 0 — 0VDC1 (BLACK) — LEVEL CONTROL INHIBIT INDICATION

RTU SLOT 1 DO-3 A1-52789 LINE 10 & 11

24VDC1 (ORANGE) — PF1EC06 RTU2/7 — S1-26 — S1-27 — PF1EC06 RTU2/8 — DC1/19 (WHITE) — 0 — 0VDC1 (BLACK) — FLOAT CONTROL INHIBIT INDICATION

24V AC SUPPLY FROM 24VAC1 CB
CONTINUED ON DRG A1-52779 LINE 2

WET WELL WASHER RUN/OFF/AUTO SWITCH

RTU SLOT 3 DO-8 A1-52791 LINE 20 & 21

REFER NOTE

24VAC1 (GREY) — AC1/1 (WHITE) — PF1EC06 RTU8/17 — S3-17 — S3-18 — PF1EC06 RTU8/18 — AC1/2 (WHITE) — PF1EC05 TS11/1 — QB1EJ01 (QB1EJ02) TS5/9 (TS1/9) (1W) — PB1VS05 — QB1EJ01 (QB1EJ02) TS5/10 (TS1/10) (1BK) — PF1EC05 TS11/2 — 24N1 (BLACK) — WELL WASHER SOLENOID VALVE

24VAC1 (GREY)

RUN OFF AUTO

24VAC1 (GREY) — DCFR LINE 6 — AC1/3 (WHITE) — 24N1 (BLACK) — R — 24V DC FAIL

REVISIONS				REFERENCES		
No.	DATE	DESCRIPTION	APP'D	PLAN No.	TITLE	
5	27/9/21	SPLIT CONTROL & TELEMETRY COMPARTMENT INTO SEPARATE COMPARTMENTS.	P.S.			
4	21/5/21	ADDED CORE COLOURS FOR LEVEL TRANSMITTER WIRES.	P.S.			
3	7/9/20	UPDATED DRAWING SHEETS REVISED SAR CONTACT REFERENCE REV SUPPLY LINE 17.	P.S.			
2	9/10/13	REVISED DRAWING.	M.B.			
1	18/3/13	REVISED 12V DC SUPPLY FROM RTU AUX 2A X-REF.	P.J.			
0	24/9/12	INITIAL ISSUE.	P.J.	A1-52770	STD SPS - PUMP STN 30kW TO 160kW (VSD) - CT METERED - I & C - DRG 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: 25/01/2018 - STD DRG
DRAWN: 25/01/2018 - OPT/CT
CHECKED: 25/01/2018 - P STEWART

GIPPSLAND WATER DRAWING STATUS: STANDARD DRAWING

GIPPSLAND WATER FACILITY CODE: XXCPXX

GIPPSLAND WATER

DRAWING No. A1-52780 REV. 5

STANDARD SEWERAGE PUMP STATION
PUMP STATION 30kW TO 160kW (VSD) - CT METERED
COMMON CONTROL
ELECTRICAL SCHEMATIC DIAGRAM