DESCRIPTION	FIELD DEVICE	J/BOX	CONTROL COMPARTMENT	METERING COMPARTMENT	TELEMETRY COMPARTMENT
					SEWERAGE PUMP STATION

ACE3600 RTU SLOT I/O-ID1 — ERR

MOTOROLA ACE3600 RTU MIXED I/O (16 DIGITAL IN, 4 EE DIGITAL OUT; 4 ANALOG IN 4-20mA) FLN 3572

ACE3600 RTU SLOT I/O-ID1 MIXED I/O INTERNAL 24VDC POWER SUPPLY FPN 5976

	DESCRIPTION		FIELD DEVICE	J/BOX	CONTROL COMPARTMENT	METERING COMPARTMENT	TELEMETRY COMPARTMENT	ACE3600 RTU SLOT I/O-ID1
1								
2								
3								
4	PHASE FAILURE RELAY		PFR — A1-47733 LINE 35			S1-24V (PURPLE) → TEL TS1/20; S1-1 (WHITE) → TEL TS1/1 (WHITE)	TEL TS1/1 (WHITE) → S1-1	1 DI-1 DIGITAL INPUT 1 PHASE FAILURE
5	HIGH LEVEL CRITICAL FLOAT SWITCH	CLOSED BELOW ALARM LEVEL	QB1 SA01 LS1	JB TS2/5, TS2/6		S1-24V (3W) → TEL TS1/21; S1-2 (3Bk) → TEL TS1/2 (WHITE)	TEL TS1/2 (WHITE) → S1-2	2 DI-2 DIGITAL INPUT 2 HIGH LEVEL CRITICAL
6	HIGH HIGH LEVEL CRITICAL FLOAT SWITCH	CLOSED BELOW HIGH ALARM	QB1 SA01 LS3	TS2/7, TS2/8		S1-24V (4W) → TEL TS1/22; S1-3 (4Bk) → TEL TS1/3 (WHITE)	TEL TS1/3 (WHITE) → S1-3	3 DI-3 DIGITAL INPUT 3 HIGH HIGH LEVEL CRITICAL
7	WET WELL OVERFLOW FLOAT SWITCH	CLOSED BELOW OVERFLOW	QB1 SA01 LS5	TS2/9, TS2/10		S1-24V (5W) → TEL TS1/23; S1-4 (5Bk) → TEL TS1/4 (WHITE)	TEL TS1/4 (WHITE) → S1-4	4 DI-4 DIGITAL INPUT 4 WET WELL OVERFLOW
8	24V DC FAIL RELAY		DCFR — A1-47736 LINE 6			S1-24V (PURPLE) → TEL TS1/24; S1-5 (WHITE) → TEL TS1/5 (WHITE)	TEL TS1/5 (WHITE) → S1-5	5 DI-5 DIGITAL INPUT 5 24V DC FAIL
9	SURGE DIVERTERS		SURGE DIVERTER AUX CONTACT A1-47733 LINE 29 & 30 (SD 11 / SD 14)			S1-24V (PURPLE) → TEL TS1/25; S1-6 (WHITE) → TEL TS1/6 (WHITE)	TEL TS1/6 (WHITE) → S1-6	6 DI-6 DIGITAL INPUT 6 SURGE
10	SUPPLY METER PULSE				PULSE INPUT FROM SUPPLY AUTHORITY METER (CONTINUED ON DRG A1-47733 LINE 10)	S1-24V (1W) → TEL TS1/26; S1-7 (1Bk) → TEL TS1/7 (WHITE)	TEL TS1/7 (WHITE) → S1-7	7 DI-7 DIGITAL INPUT 7 SUPPLY METER PULSE
11	MAINS SUPPLY SELECTED				MAINS AUX CONTACT — A1-47733 LINE 7	S1-24V (PURPLE) → TEL TS1/27; S1-8 (WHITE) → TEL TS1/8 (WHITE)	TEL TS1/8 (WHITE) → S1-8	8 DI-8 DIGITAL INPUT 8 MAINS SUPPLY
12	GENERATOR SUPPLY SELECTED				GEN AUX CONTACT — A1-47733 LINE 13	S1-24V (PURPLE) → TEL TS1/28; S1-9 (WHITE) → TEL TS1/9 (WHITE)	TEL TS1/9 (WHITE) → S1-9	9 DI-9 DIGITAL INPUT 9 GENERATOR SUPPLY
13	SURGE FILTER HEALTHY				SF SURGE FILTER HLTHY SF — A1-47734 LINE 10	TEL TS1/29; S1-10 (WHITE) → TEL TS1/10 (WHITE)	TEL TS1/10 (WHITE) → S1-10	10 DI-10 DIGITAL INPUT 10 SURGE FILTER HEALTHY
14						TEL TS1/30; S1-11 (WHITE) → TEL TS1/11 (WHITE)	TEL TS1/11 (WHITE) → S1-11	11 DI-11 DIGITAL INPUT 11 SPARE
15						TEL TS1/31; S1-12 (WHITE) → TEL TS1/12 (WHITE)	TEL TS1/12 (WHITE) → S1-12	12 DI-12 DIGITAL INPUT 12 SPARE
16						TEL TS1/32; S1-13 (WHITE) → TEL TS1/13 (WHITE)	TEL TS1/13 (WHITE) → S1-13	13 DI-13 DIGITAL INPUT 13 SPARE
17	WET WELL EMERGENCY STORAGE INFLOW FLOAT SWITCH	CLOSED BELOW EMERGENCY STORAGE INFLOW	QB1 SA01 LS7	JB TS2/13, TS2/14		S1-24V (7W) → TEL TS1/33; S1-14 (7Bk) → TEL TS1/14 (WHITE)	TEL TS1/14 (WHITE) → S1-14	14 DI-14 DIGITAL INPUT 14 EMERGENCY STORAGE INFLOW
18	EMERGENCY STORAGE HIGH LEVEL FLOAT SWITCH	CLOSED BELOW ALARM LEVEL	QB1 SA02 LS1	TS2/15, TS2/16		S1-24V (8W) → TEL TS1/34; S1-15 (8Bk) → TEL TS1/15 (WHITE)	TEL TS1/15 (WHITE) → S1-15	15 DI-15 DIGITAL INPUT 15 EMERGENCY STORAGE HIGH LEVEL
19			REMOVE IF EMERGENCY STORAGE NOT REQUIRED			TEL TS1/35; S1-16 (WHITE) → TEL TS1/16 (WHITE)	TEL TS1/16 (WHITE) → S1-16	16 DI-16 DIGITAL INPUT 16 SPARE
20							S1-24V (PURPLE) → TEL TS1/17 (PURPLE) → S1-17	17 — 24V DC PS — 24V
21							TEL TS1/18 (PINK) → S1-18	18 — COMD1
22							TEL TS1/E19 (G/Y) → S1-19	19 — PGND1
23								
24								

CONTINUED ON DRG A1-47741

REVISIONS

No.	DATE	DESCRIPTION	APP'D
14	10/11/20	ADDED CIRCUITS TO DI-10 / DI-14 / DI-15.	P.S.
13	9/11/18	REVISED PHASE FAILURE RELAY CONTACT.	G.F.
12	16/11/17	REVISED SURGE DIVERTER AUX CONTACT WIRING.	G.F.
11	17/7/17	REDRAWN IN DGN & ADDED INPUTS TO D-18 & DI-9.	P.S.

REFERENCES

PLAN No.	TITLE
A1-47731	STANDARD SPS PUMP STATION UP TO 5.5kW (DOL) - 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: 12/07/2017 - STD DRG
DRAWN: 22/07/2010 - OPT/RJ
CHECKED: 19/07/2017 - P STEWART

GIPPSLAND WATER DRAWING STATUS: STANDARD DRAWING

GIPPSLAND WATER FACILITY CODE: XXCPXX

GIPPSLAND WATER

DRAWING No. A1-47740 REV. 14

STANDARD SEWERAGE PUMP STATION
PUMP STATION UP TO 5.5kW (DOL)
'ACE3600' TELEMETRY SLOT 1 - MIXED I/O CARD
ELECTRICAL SCHEMATIC DIAGRAM - SHEET 1 OF 2