

Item	Description	Cat No.	Qty	Manufacturer
QP1, QP2	Motor Isolator		2	
Q1M	Circuit Breaker		1	
MTRA	Backup Level Relay MTRA or approved equal	MTRA	1	Multitrode
DX1	Single Pole Distribution Block		3	
F1	Surge Diverter Dinline 40kA or approved equal	DSD140-2S	3	(ECO)_Critec
Q2	Circuit Breaker		1	
VSS	Voltmeter Selector Switch PH-PH-N		1	
VM	Voltmeter Direct Connect 72x72mm 0-500V		1	
Q3, Q5-1 to 4	Circuit Breaker 1 Pole 16Amp		5	
Q4	RCD Circuit Breaker RCBO 16A 1P 30mA		1	
E1, E2	Light Fittings 13W c/w Switch		2	
F2	Surge Filter Dinline 10A 1P or approved equal	DSF-10A-275V	1	(ECO)_Critec
X1, X2	Double GPO's		2	
T1	Transformer 415/240/24Vac 63VA		1	
CC-Q8	Circuit Breaker 4A		1	
CC-S9	Selector Switch Head 3Pos. Switch Body 2-N/O		1	
PS13	Power Supply 240/24Vdc 2A		1	
CC-Q15	Circuit Breaker 6A		1	
CC-K17, K21, K41, K42, CC-K43, K44, K45, CC-K41T	Plug In Relay +Led 4 C/O 5A Plug In Relay +Led 4 C/O 5A (with reverse emf diode) Timer Delay On 1 C/O Multi-voltage		4 3 1	
CC-H43	Pilot Light 24V (Green)		1	
CC-P58	Panel Digital Indicator or approved equal		1	VEGA/HAWK
P1-A, P2-A	Ammeter 4-20mA 72x72mm 0-40A scale		2	
CCS48a, S48b	Limit Switch 1-N/O 1-N/C		2	
P1, P2-Q3	Circuit Breaker		2	
P1, P2-Q6	Circuit Breaker 4A		2	
P1, P2-U3	Soft Starter with modbus link		2	
P1, P2-K15	Contactor 3P 415V		2	
P1, P2-K16	Contactor 3P 415V		2	
P1, P2-K18	Seal fail relay or approved equal		2	Control Logic
P1, P2-S9	Selector Switch Head 3Pos	Tritronics Seal fail relay	2	
	Switch Body 2-N/O		2	
	Terminal 4mm Grey		50	
	Terminal 16mm Grey		8	
	End plate 4mm		5	
	End plate 16mm		1	
	End Stop		6	
	Thermostat		2	
P1, P2-H20	Pilot Light 240V (Red)		2	
QP1, QP2	Motor Isolator		2	
CC-E2, E3	Cooling Fans		2	
VS1	Well washer solenoid valve		1	
LT1	Level transmitter or approved equal		1	VEGA/HAWK, Hydrostatic, Ultrasonic
RTU	Kingfisher SII or approved equal		1	Kingfisher
	RTU Power supply		1	
	RTU Battery		1	
	Radio		1	
	Coax Surge diverter		1	
P1, P2	Pump Motors		2	
Level Probe	2m Probe Multitrode or equal		1	
FS-1	Float switch 1N/C		1	Multitrode
CC-S10	Selector switch		1	
B1	7.0 AH 12Volt Sealed Lead Acid Battery		1	
CV1	12VDC/24VDC Converter 2A		1	
CC-16	Circuit Breaker		1	
CF1	Control Fuse		1	
P1, P2 -HR	HOURLY RUN METERS		2	

SCHEMATIC WIRING DIAGRAM  
WASTEWATER PUMP STATION

FOR PROJECT ENQUIRIES  
REFER

**GoldCoastWater**

7 UP TO 22kW SOFT STARTING

ACCEPTED  
GOLD COAST CITY COUNCIL  
PO BOX 5042, GOLD COAST MC 9729

DATE

**CCC**  
**Gold Coast City Council**

DO NOT SCALE. USE FIGURED DIMENSIONS ONLY

DESIGN NOT TO BE AMENDED WITHOUT REFERENCE TO DESIGN PROJECT OFFICER

DESIGN/DRAWN	LW/GLH
DWG CHKD	
DES CHKD	
APPROVED	

PROJECT FILE NAME	C:\BUS.REC./06-07-841
RECORDS FILE NO.	LW 28/06/05
SURVEY FOLDER NO.	LW 05/06/05
RECORDED BY / DATE	LW 20/06/04
SURVEYED BY / DATE	LW 07/03/04
APPROVED	

PROJECT OFFICER

DESIGN/DRAWN LW/GLH

DWG CHKD

DES CHKD

APPROVED

DATE

DESIGNED BY: **GoldCoastWater**

TELEPHONE: (07) 5581 6661

