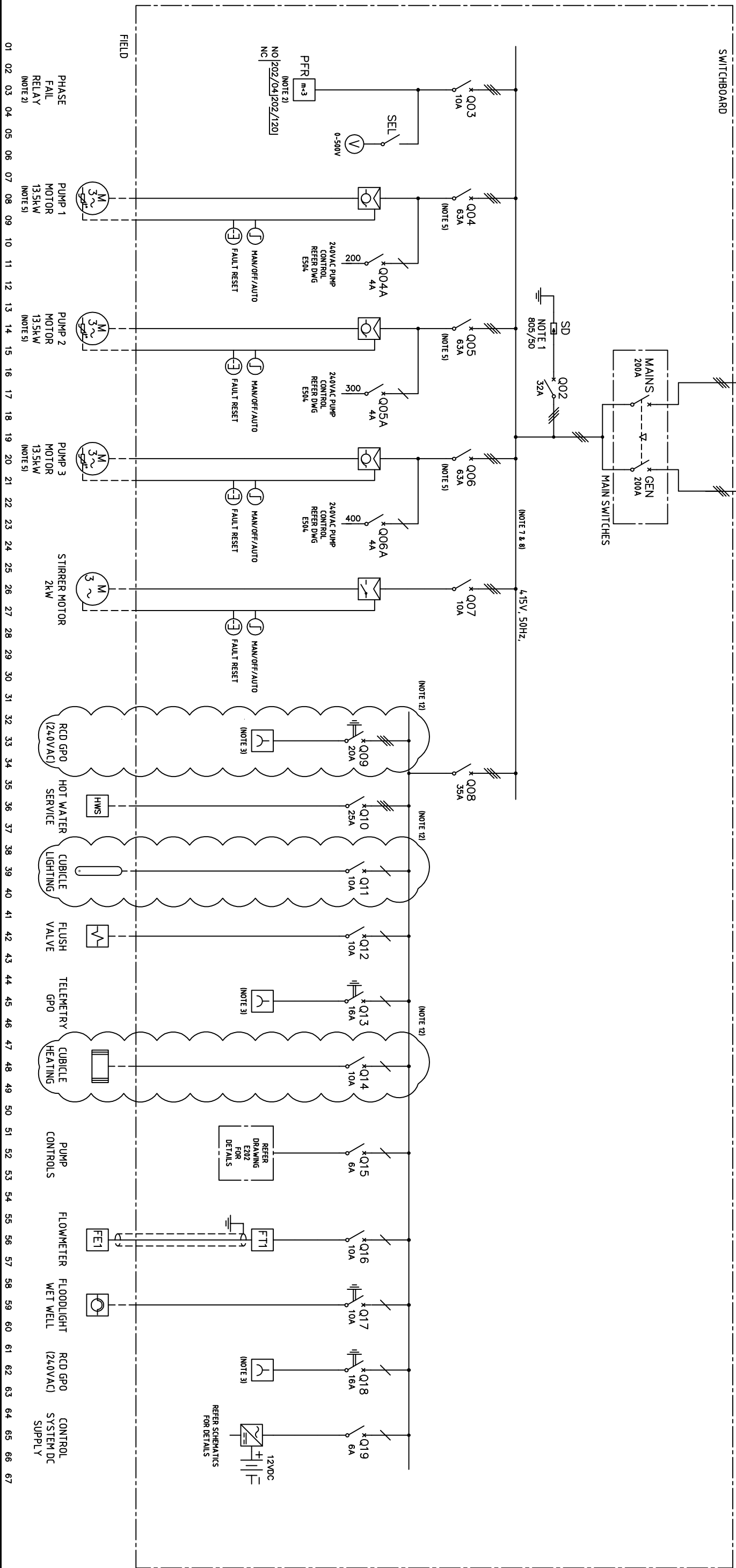


**415V, 50Hz, 3 PHASE
SUPPLY FROM
THE POINT OF SUPPLY**

NOTES:

1. SURGE DIVERTER IEEE 662.41 CAT. A,B,C 45KA/PHASE <1420V FOR 20KA 8/20 SURGE
'TITAN' DR4P80K400DC OR APPROVED EQUIVALENT.
2. 3 PHASE MONITORING RELAY RHOMBERG SLMLINE SP430/415AC-DP OR APPROVED EQUIVALENT.
3. HPM XL SAFETY RANGE OR APPROVED EQUIVALENT MOUNTED ON AN ESCUTCHEON PANEL.
4. THE MAIN SWITCH AND MAIN SWITCHBOARD SHALL BE SIZED FOR THE ULTIMATE MAXIMUM DEMAND OF THE INSTALLATION.
5. CONTRACTOR TO CONFIRM PUMP MOTOR AND OTHER EQUIPMENT RATINGS PRIOR TO CONSTRUCTION AND SELECT SWITCHGEAR AND CONTROL GEAR RATINGS TO SUIT FINAL EQUIPMENT.
6. SUPPLY LIMITING CIRCUIT BREAKER AS REQUIRED BY THE NETWORK SERVICE PROVIDER.
7. CABLES SHALL BE SIZED IN ACCORDANCE WITH AS3000 AND AS3008 FOR AN MEN SYSTEM TO ACCOMMODATE THE MAXIMUM DEMAND OF THE INSTALLATION.
8. THE MAIN SWITCHBOARD SHALL BE RATED TO WITHSTAND THE PROSPECTIVE SHORT CIRCUIT CURRENT AT THE TERMINALS OF THE MAIN SWITCH.
9. FOR INDOOR MAIN SWITCHBOARDS PROVIDE A SEPARATE METERING ENCLOSURE EXTERIOR TO THE BUILDING.
10. SEWAGE PUMP STATION SWITCHBOARDS SHALL BE DESIGNED SUCH THAT FIELD WIRING ENTERS VIA A WELL VENTILATED COMPARTMENT AT THE BOTTOM AND THE FUNCTIONAL COMPARTMENTS, CABLE WAYS AND BUS WAYS ARE GAS TIGHT WITH CABLE ENTRIES GLANDDED USING ACID PROOF GLANDS. NO CABLES ARE TO ENTER FROM TOP OR SIDES OF SWITCHBOARD.
11. ALL CIRCUIT BREAKERS ARE TO BE "D CURVE" UNLESS OTHERWISE
12. CLOUD INDICATES REDUNDANT CIRCUITS.



REV.	REVISION DETAILS				BY	CHECKED	APPROVED	DATE	DRAWN	V.A.S
								DATE		18 Oct 2010
								DESIGNED		
								DWG CHECKED		
								PROJECT MGR.	M Wyzenbeek	
								ELEC. DIRECTOR		
								SCALE:	NTS	SHEET SEE: A3
<div><div><div>V A I S</div></div><div><div>Victorian Automation & Integration Services 3 Copeworth Court Alfredton VIC 3350 Ph (03) 53376653 www.vais.com.au</div></div></div>										
<div><div><div><div><div>WESTERNPORT WATER</div><div></div></div></div><div><div>TITLE: Westernport Water Newhaven Sewer Pump Station Single Line Diagram</div><div><div>Client Dwg No: E201</div><div><div>PROJECT ID: 09039-009</div><div><div>SHT NO: 1</div><div>REV: 1.0</div></div></div></div></div></div></div>										