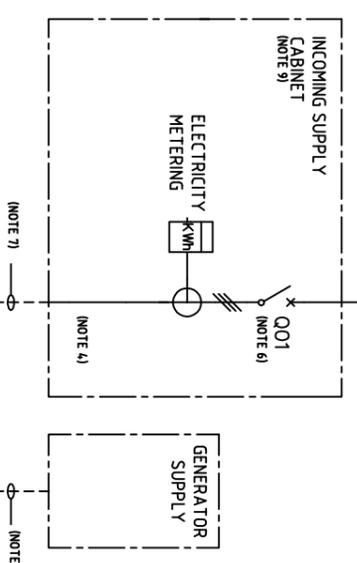
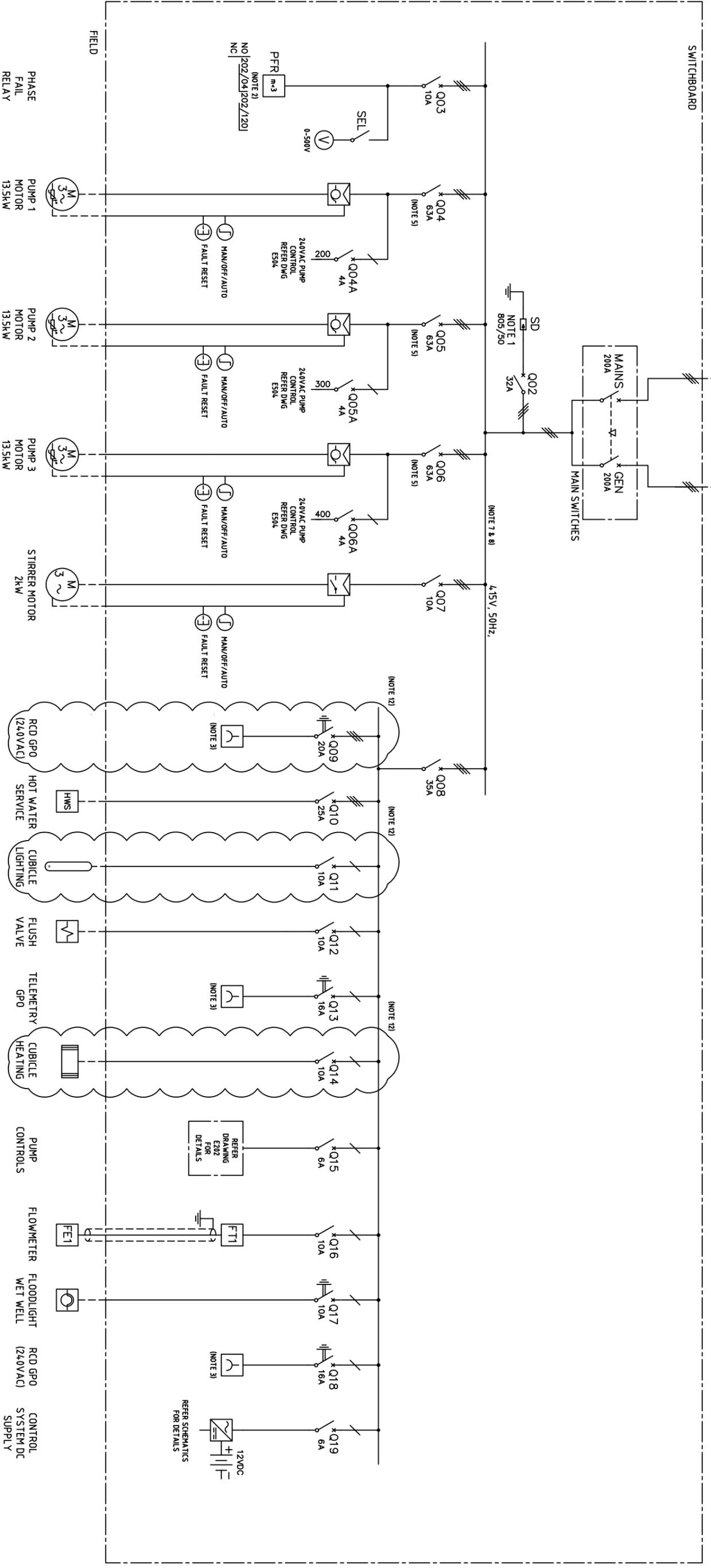


4.15V, 50Hz, 3 PHASE SUPPLY FROM THE POINT OF SUPPLY



- NOTES:**
1. SURGE DIVERTER IEEE 62.41 CAT A,B,C 45KA/PHASE $-1420V$ FOR 20KA 8/20 SURGE 'TITAN' DR4P80K400DC OR APPROVED EQUIVALENT.
 2. 3 PHASE MONITORING RELAY RHOMBURG 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. SEWERAGE 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 GLANDED 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 NOTED.
 12. CLOUD INDICATES REDUNDANT CIRCUITS.



REV.	DESCRIPTION	DATE	BY	CHECKED	APPROVED																																																													
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67

REVISION DETAILS		DRAWN		DATE		VAIS	
BY		CHECKED		APPROVED		DATE	
DESIGNED		DATE		18 OCT 2010		VAIS	
DWG CHECKED		PROJECT MGR		M WYZENBEEK		ELEC. DIRECTOR	
SCALE		SHEET		A3		SHEETS	
Victorian Automation & Integration Services 3 Copeworth Court Alfreton VIC 3350 Ph (03) 53376653 www.vaiss.com.au							
TITLE: Westernport Water Newhaven Sewer Pump Station Single Line Diagram							
Client Dwg No:		PROJECT ID:		E201		09039-009	
SHIFT NO:		SCALE:		1		1.0	