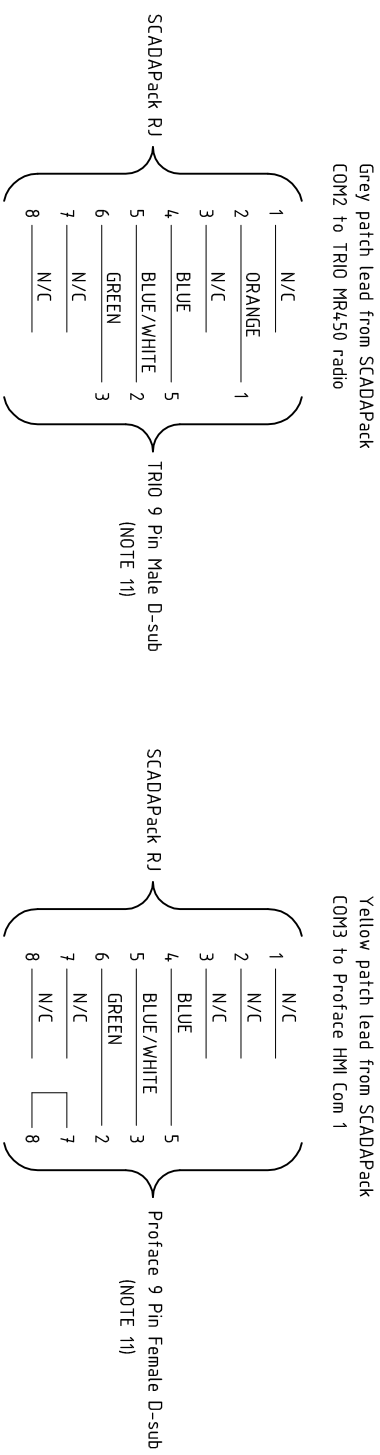
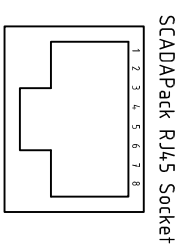
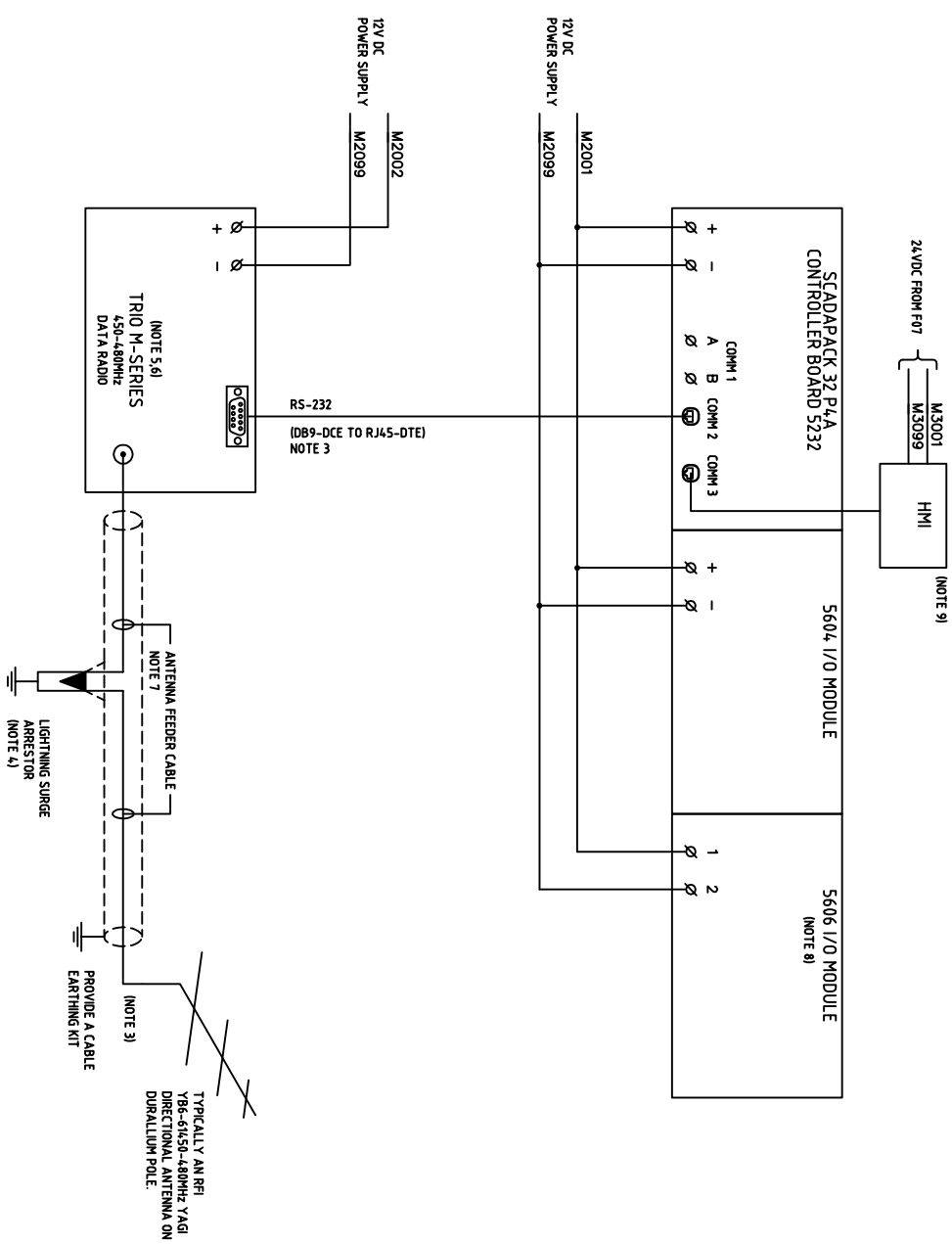




- NOTES:**

 1. ALL WIRE NUMBERING TO BE AS PER THE DRAWING. THIS INCLUDES ALL TELEMETRY WIRING.
 2. BATTERY CHARGER CAPACITY TO BE MINIMUM 200% OF CONNECTED LOAD (TELEMETRY & INSTRUMENTATION). BATTERIES TO PROVIDE 4 HR BACKUP AT 150% CONNECTED LOAD, TYPICALLY 40AH MINIMUM.
 3. UNLESS OTHERWISE INSTRUCTED THE CONTRACTOR SHALL MOUNT THE ANTENNA ON A DURALUMIN ALLOY POLE HEIGHT AS SPECIFIED IN RF SURVEY.
 4. PROVIDE A LIGHTNING SURGE ARRESTOR AT THE POINT OF ENTRY TO THE SWITCHBOARD OF THE ANTENNA FEEDER CABLE. TRIO LIGHTARST OR APPROVED EQUIVALENT.
 5. THE RADIO SYSTEM SHOWN IS INDICATIVE ONLY. ENGAGE THE WPMV PREFERRED RADIO SYSTEMS CONTRACTOR TO UNDERTAKE A RADIO PATH SURVEY TO THE NOMINATED WPMV BASE STATION AND PROVIDE THE RADIO SYSTEM AS DETERMINED BY THE SURVEY.
 6. THE DATA RADIO SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. NOTE IN PARTICULAR THE TEMPERATURE CONTROL AND EARTHING REQUIREMENTS.
 7. ANTENNA FEEDER CABLE IS TYPICALLY A BELDEN RG-214 CABLE OR APPROVED EQUIVALENT.
 8. ORDER THE 5606 I/O MODULE WITH ALL INPUTS CONFIGURED FOR 12-24VDC.
 9. PROVIDE THE HMI SCREEN FOR THE SCADAPACK, PROFACE AGP 3302-B1-D24 OR APPROVED EQUIVALENT.
 10. RADIO AND HMI RS232 CABLES ARE TYPICAL CATEGORY 5 PATCH LEADS. CONNECTIONS MUST BE CONFIRMED AS COLOURS SHOWN ARE ARBITRARY.
 11. RADIO AND HMI RS232 COMMS CABLES TO BE SOLDERED TO DE9 CONNECTORS AS DETAILED. RJ45 TO DE9 PLUG-IN CONVERTERS ARE NOT TO BE USED.



RTU PATCH LEADS DETAIL

REV.	REVISION DETAILS						BY	CHECKED	APPROVED	DATE	DRAWN	VAIS	 Victorian Automation & Integration Services 3 Copeworth Court Alfredton VIC 3350 Ph (03) 53376653 www.vais.com.au
										DATE	18 Oct 2010		
										DESIGNED			
										DWG CHECKED			
										PROJECT MGR.	M Wyzzenbeek		
										ELEC. DIRECTOR			
										SCALE	NTS		
										SHEET	A3		
													 Westernport Water Newhaven Sewer Pump Station Single Line Diagram
													Client Dwg No: E209
													Project ID: 09039-009
													Sheet No: 1
													Rev: 1.0