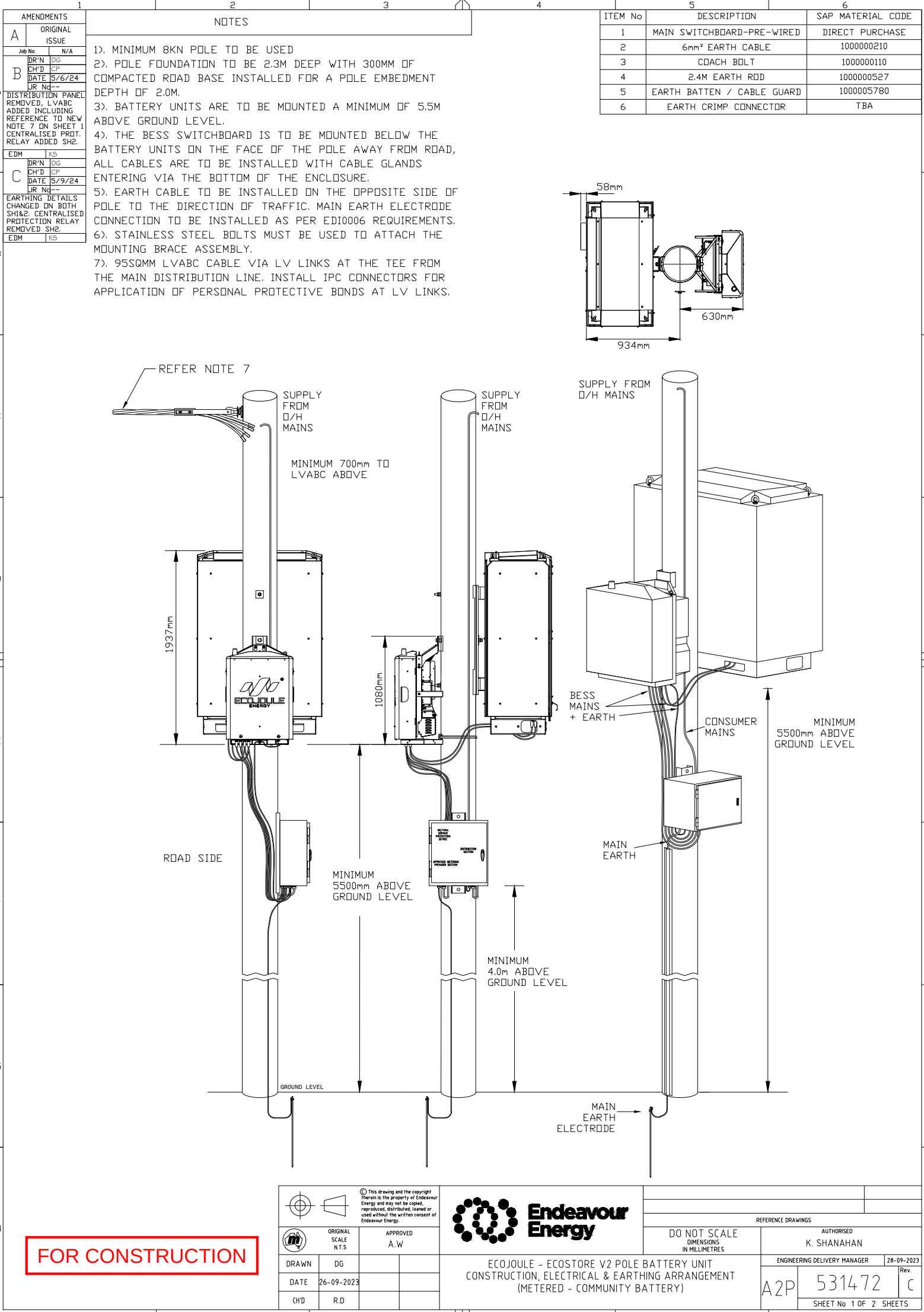
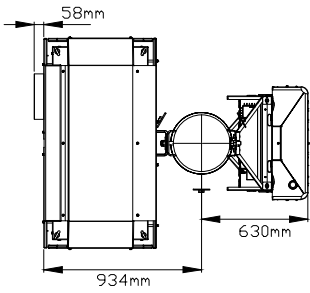




AMENDMENTS	
A	ORIGINAL ISSUE
Job No.	N/A
DR'N	DG
CH'D	CP
DATE	5/6/24
UR No.	--
B DISTRIBUTION PANEL REMOVED, LVABC ADDED INCLUDING REFERENCE TO NEW NOTE 7 ON SHEET 1 CENTRALISED PROT. RELAY ADDED SH2.	
EDM	KS
DR'N	DG
CH'D	CP
DATE	5/9/24
UR No.	--
C EARTHING DETAILS CHANGED ON BOTH SH1&2. CENTRALISED PROTECTION RELAY REMOVED SH2.	
EDM	KS

- NOTES
- 1). MINIMUM 8KN POLE TO BE USED
 - 2). POLE FOUNDATION TO BE 2.3M DEEP WITH 300MM OF COMPACTED ROAD BASE INSTALLED FOR A POLE EMBEDMENT DEPTH OF 2.0M.
 - 3). BATTERY UNITS ARE TO BE MOUNTED A MINIMUM OF 5.5M ABOVE GROUND LEVEL.
 - 4). THE BESS SWITCHBOARD IS TO BE MOUNTED BELOW THE BATTERY UNITS ON THE FACE OF THE POLE AWAY FROM ROAD, ALL CABLES ARE TO BE INSTALLED WITH CABLE GLANDS ENTERING VIA THE BOTTOM OF THE ENCLOSURE.
 - 5). EARTH CABLE TO BE INSTALLED ON THE OPPOSITE SIDE OF POLE TO THE DIRECTION OF TRAFFIC. MAIN EARTH ELECTRODE CONNECTION TO BE INSTALLED AS PER EDI0006 REQUIREMENTS.
 - 6). STAINLESS STEEL BOLTS MUST BE USED TO ATTACH THE MOUNTING BRACE ASSEMBLY.
 - 7). 95SQMM LVABC CABLE VIA LV LINKS AT THE TEE FROM THE MAIN DISTRIBUTION LINE. INSTALL IPC CONNECTORS FOR APPLICATION OF PERSONAL PROTECTIVE BONDS AT LV LINKS.

ITEM No	DESCRIPTION	SAP MATERIAL CODE
1	MAIN SWITCHBOARD-PRE-WIRED	DIRECT PURCHASE
2	6mm² EARTH CABLE	1000000210
3	COACH BOLT	1000000110
4	2.4M EARTH ROD	1000000527
5	EARTH BATTEN / CABLE GUARD	1000005780
6	EARTH CRIMP CONNECTOR	TBA



FOR CONSTRUCTION

ECOJoule - ECOSTORE V2 POLE BATTERY UNIT
CONSTRUCTION, ELECTRICAL & EARTHING ARRANGEMENT
(METERED - COMMUNITY BATTERY)

ORIGINAL SCALE N.T.S.		APPROVED A.W.	
DRAWN	DG		
DATE	26-09-2023		
CH'D	R.D.		

DO NOT SCALE DIMENSIONS IN MILLIMETRES		REFERENCE DRAWINGS	
		AUTHORISED K. SHANAHAN	
		ENGINEERING DELIVERY MANAGER	
A2P		531472	Rev. C
SHEET No 1 OF 2 SHEETS			

AMENDMENTS		NOTES	
A	ORIGINAL ISSUE		
Job No.		N/A	
B	DR'N	DG	
	CH'D	CP	
	DATE	5/6/24	
	UR No	---	
DISTRIBUTION PANEL REMOVED, LVABC ADDED INCLUDING REFERENCE TO NEW NOTE 7 ON SHEET 1 CENTRALISED PROT. RELAY ADDED SH2.			
EDM		KS	
C	DR'N	DG	
	CH'D	CP	
	DATE	5/9/24	
	UR No	---	
EARTHING DETAILS CHANGED ON BOTH SH1&2. CENTRALISED PROTECTION RELAY REMOVED SH2.			
EDM		KS	

1). LV EARTH MUST NOT BE DISCONNECTED WHILST THE ECO
STORE IS ENERGISED

2). EARTHING CONSTRUCTION TO COMPLY WITH EARTHING
CONSTRUCTION STANDARD EDI-0006 AND THIS DRAWING.

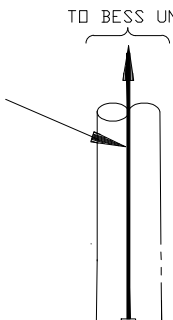
3). INSTALL MINIMUM 6MM² INSULATED CU EARTH CABLE TO LV
EARTH BAR IN MAIN SWITCHBOARD FOR ALL EARTHING
CONNECTIONS. INSULATE/SEAL ALL EXPOSED CONDUCTOR JOINTS
AND LUGS WITH LV HEAT SHRINK REF DRG 332002.

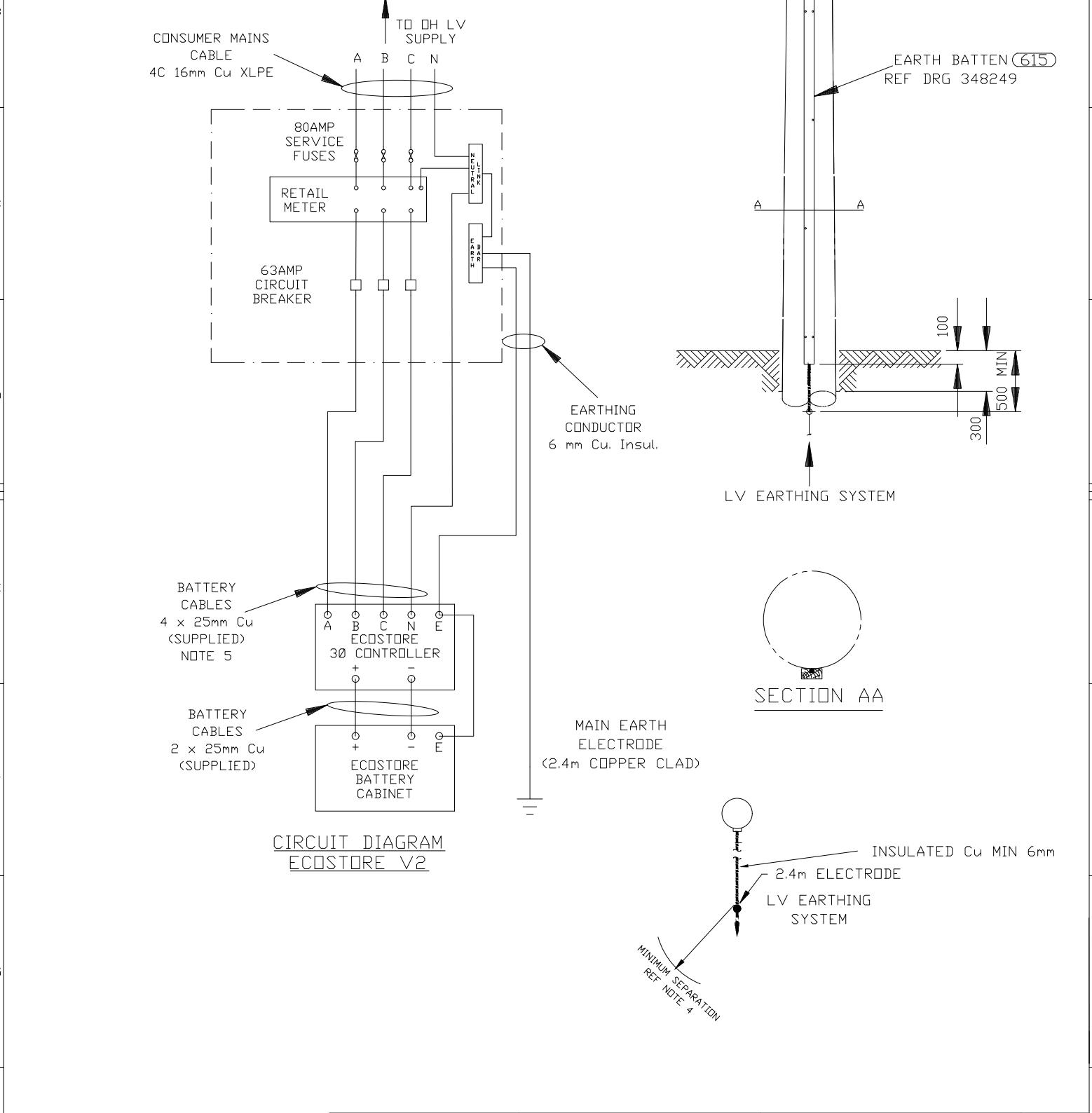
4). MINIMUM SEPARATION TO HV ELECTRODE AND LV ELECTRODE
TO BE NOT LESS THAN 4M OR DETERMINED IN AN EARTHING
DESIGN.

5). THE 25MM FLEXIBLE CABLES SUPPLIED WITH THE BESS UNIT
MUST BE TERMINATED WITH APPROPRIATE CRIMP FERRULES.

TO BESS UNIT

EARTHING
CONDUCTOR
Min 6 mm
Cu. Insul.





FOR CONSTRUCTION

		REFERENCE DRAWINGS	
DO NOT SCALE DIMENSIONS IN MILLIMETRES		AUTHORISED K. SHANAHAN	
ENGINEERING DELIVERY MANAGER		28-09-2023	
A2P		531472	
SHEET No 2 OF 2 SHEETS		Rev. C	

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ORIGINAL SCALE N.T.S.

APPROVED A.W.

DRAWN DG

DATE 26-09-2023

CHD R.D.

ECOJoule - ECOSTORE V2 POLE BATTERY UNIT CONSTRUCTION, ELECTRICAL & EARTHING ARRANGEMENT (METERED - COMMUNITY BATTERY)