



NOTES:

- * THE NUMBER OF THE ANODES IS TO BE DETERMINED, BASED ON THE CORROSIVENESS OF THE SOIL AND SURROUNDING CONDITIONS.
- THE POSITIONS OF THE ANODES ARE TO BE INDICATED THUS (S_{EA}) ON THE FOUNDATION, TRENCH & EARTHMAT DRAWING OF THE SUBSTATION.

A STRIP OF APPROX. 80mm WIDE AROUND THE CENTRE PORTION OF THE RAIL, WHICH INCLUDES THE WELD AREA, IS TO BE BITUMISED WHILE STILL HOT FROM THE WELD PROCESS.

CONTACT AREA OF APPROX. 50mm x 50mm TO BE SCRAPPED ON ONE SIDE OF THE ANODE TO EXPOSE CLEAN METAL.

SCHEDULE OF THE DISTRIBUTION OF ANODES

CORROSIVENESS	* ONE ANODE FOR THE NUMBER OF METRES OF 10 DIA COPPER LAYED (INDICATED BELOW)
VERY SEVERE	
SEVERE	
MODERATE	
MILD	

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM AND ANY AMENDMENT TO THE DRAWING MUST BE EFFECTED ONLY ON THE SAME C.A.D. SYSTEM

THE C.A.D. REFERENCE NUMBER IS: MUTS0.54 00393L T12.R04

4	8.06.95	WAS DRG 0.54/4181	0.J.
3	A.J.S.G.	NOTES & TITLE BLOCK REVISED. METHOD OF CONNECTING φ10mm Cu. ROD TO RAIL CHANGED.	R.J.C. A.J.S.G.
2	A.J.S.G.	NOTES REVISED.	R.J.C. A.J.S.G.
1	A.J.S.G.	ST. STEEL BOLT & NUT WAS M.S.	R.J.C. A.J.S.G.
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TRANSMISSION
SUBSTATION
TECHNOLOGY



SACRIFICIAL EARTHMAT ANODE
(57 kg STEEL RAIL)
(FOR AREAS WHERE SOIL CONDITIONS ARE MILDLY TO SEVERELY CORROSIVE)

APPROVED
K.M. PEACOCKE

GOEDGEKEUR

0.54/393

SHEET T12