


















1. FOR DETAILS OF STRUCTURE EARTHS, SEE DRG NO-DT-5240 SHEETS 02, 03, 04 AND 19
2. FOR DETAILS OF TRANSFORMER EARTHING SEE TRANSFORMER PLINTH DETAIL
3. EARTHWAT TO BE 100mm BLACK COPPER ROD BURIED AT MIN 1m BELOW GROUND LEVEL
4. EARTHING TAILS : GATE POSTS - 50x3mm FLAT COPPER
EQUIPMENT - 50x3mm FLAT COPPER (CONCEALED)
5. ALL CONNECTIONS TO EARTHWAT TO BE BRAZED (SILBRALLOY) WHERE APPLICABLE OR EXOTHERMIC WELDED IN ACCORDANCE WITH DRG NO-DT-5240 SHEETS 01 & 02
6. SECURITY FENCE TO BE EARTHED AT MAXIMUM INTERVALS OF 19m
FINAL CONNECTION TO FENCE POSTS TO BE MADE BELOW FINAL YARD STONE LEVEL
EACH GATE POST TO BE EARTHED 70mm FLEXIBLE TAIL LUGGED AND BOLTED TO EACH GATE LEAF
7. WHERE APPLICABLE, THE TWO CLOSEST LEGS OF EACH HV TERMINAL TOWER SHALL BE CONNECTED TO THE EARTHWAT WITH 100mm COPPER ROD, BURIED 1000mm MINIMUM BELOW FINAL TERRACE LEVEL

- | LEGEND | |
|--|--------------------------------|
|  | EARTHWAT |
|  | EQUIPMENT EARTH TAIL |
|  | TRANSFORMER EARTH TAILS |
|  | EARTHWAT TO EARTHMAT 'T' JOINT |
|  | EARTHWAT TO EARTHMAT 'X' JOINT |
|  | EARTHWAT TO TAIL 'T' JOINT |
|  | FENCE TO TAIL |
|  | EQUIPMENT TO EARTHMAT TAIL |
|  | |
|  | 10mm COPPER ROD |
|  | 50x3mm FLAT COPPER |
|  | 2x 16mm Cu COATED MS BAR |
|  | 10mm COPPER ROD |
|  | 10mm COPPER ROD |
|  | 50x3mm FLAT COPPER |
|  | 50x3mm FLAT COPPER |
|  | 50x3mm FLAT COPPER |

UMKOMAAS SUBSTATION 88/22/11-kV EARTHMAT AND SECURITY FENCE PLAN	ER00779	
	SET 17	SHEET 04

[illegible]