

TYPE & SIZE	No	LENGTH M		MSSS	BENDING
		CUT	TOTAL		
R10	20	1.3	26.00	16.12	150 95 75

CONCRETE QUANTITY - 14,85m<sup>3</sup>  
EXCAVATION - 7,5m<sup>3</sup>

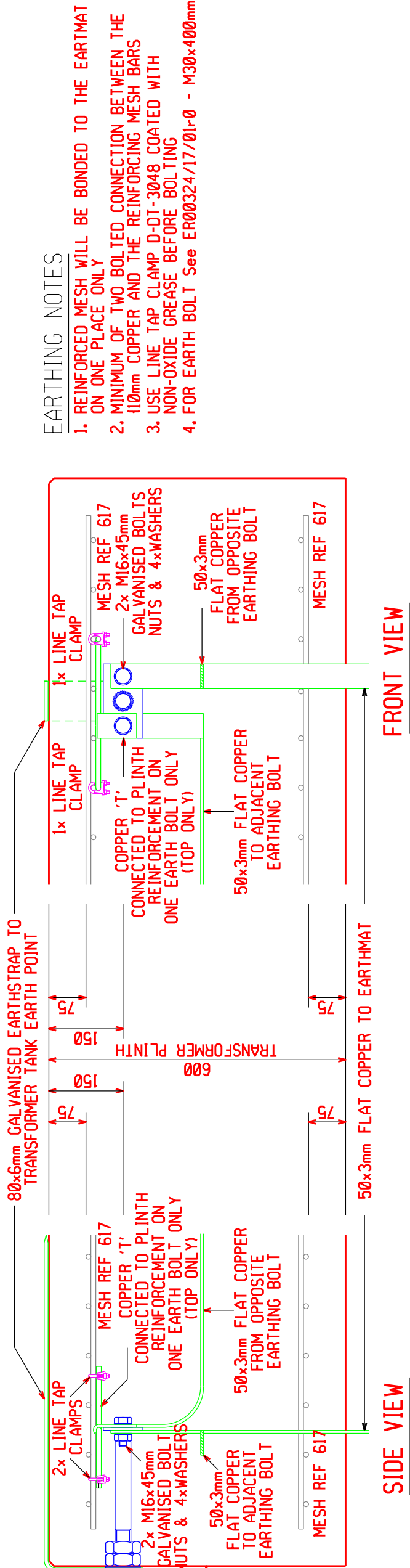
PLINTH NOTES

1. REINFORCE FOUNDATION AT TOP AND BOTTOM WITH WELDED MESH FABRIC REF No: 617 TO SANS 1024 TOTAL AREA - 4732m<sup>2</sup> MSSS - 243,20kg
2. CONCRETE TO BE 25MPa AT 28 DAYS
3. FORMWORK TO UPPER SIDES OF FOUNDATION SHALL EXTEND AT LEAST 80 mm BELOW TERRACE LEVEL
4. TOP OF PLINTH TO BE FLOATED
5. ALL TOP EDGES OF FOUNDATION TO BE CHAMFERED 25mm
6. FOUNDATION LEVEL OBTAINABLE FROM SUBSTATION FOUNDATION PLAN

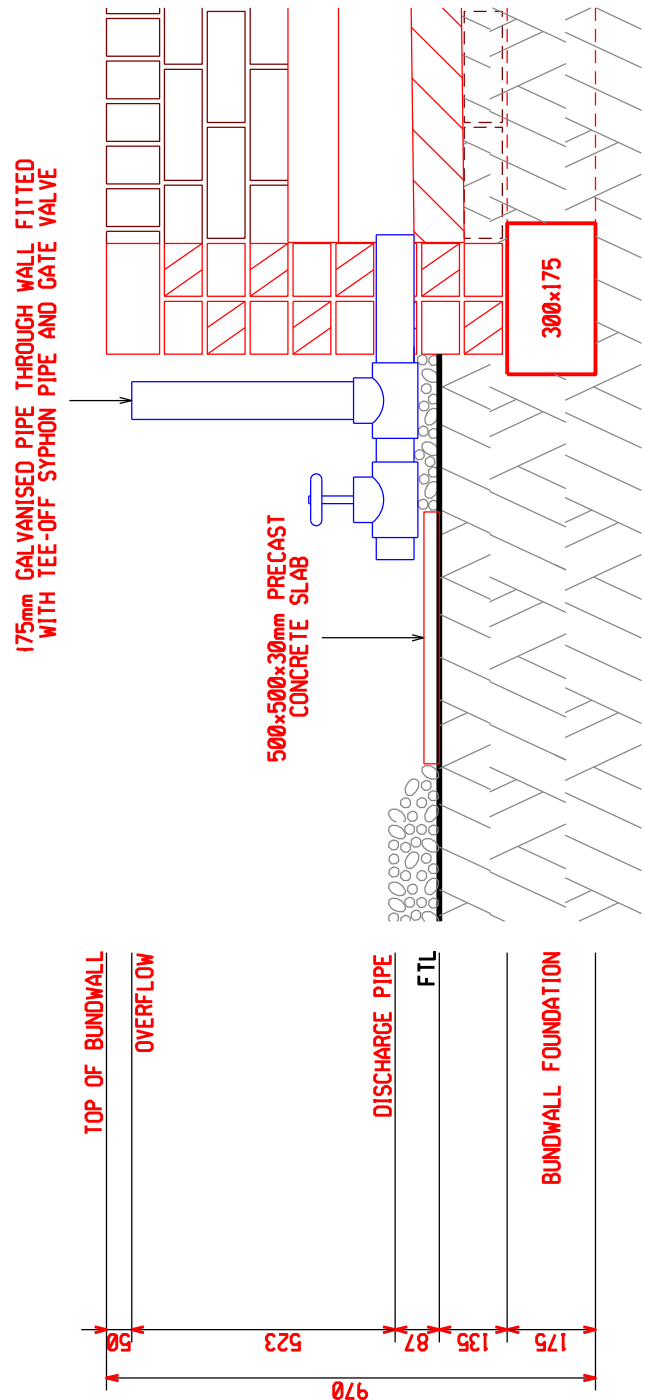
SETTING OUT NOTES

1. START SETTING OUT THIS TRFR PLINTH BY FIRST DETERMINING THE CENTER POINT (IPI) OF THE TRANSFORMER PLINTH MUST BE SET AT A MINIMUM OF 300mm BELOW FINISHED TERRACE LEVEL
2. EXCAVATE THE BASE OF THE TRFR PLINTH FROM POINT (IPI) LEVEL ALL ROUND

PLINTH EARTHING DETAILS



DRAINAGE DETAILS



BUNDWALL NOTES

1. ALL CONCRETE WORK SHALL COMPLY WITH SANS 1200CA MINIMUM 28 DAYS COMPRESSION STRENGTH SHALL BE 25MPa NOMINAL AGGREGATE SIZE SHALL BE 19mm
2. THE SUBGRADE MATERIAL UNDER THE PLINTH SHALL BE COMPACTED TO 95% OF MOD AASHTO MAXIMUM DENSITY
3. \* ALL CONSTRUCTION / EXPANSION JOINTS AND CABLE ENTRY POINTS SHALL BE SEALED USING EXPANDABLE INSERTS OR COMPOUND SYSTEMS. THIS SEALING SHALL HAVE A MINIMUM 2 HOUR FIRE RATING IN ACCORDANCE WITH SANS 10177
4. USE 'FBX RED SATIN FACE BRICKS FOR BUNDWALL, BRICKS TO BE MIN 25MPa & MAX 35MPa WITH A 2 HOUR FIRE RATING
5. BUNDWALL TO COMPLY WITH SANS 227 AND APPROVED BY ESKOM. ALL JOINTS SHALL BE CONSTRUCTED WITH 10mm THICK MOTOR 1:4 CEMENT/SAND
6. 100mm CONCRETE FLOOR TO INSIDE OF BUNDWALL. AFTER ALL CABLEING AND EARTHING IS COMPLETED
7. PROVIDE A 100mm PVC PIPE CABLE DUCTS FROM TOP OF PLINTH TO 100mm OUTSIDE BUND FOUNDATION
8. POSITION AS SHOWN ON SET.17 TO SUITE TRANSFORMER AND 1AP CHANGER CABLEING
9. 100mm PVC SLEEVE FOR CABLES; SLEEVE TO BE CORKE AFTER CABLES ARE LAID FINAL POSITION TO BE DETERMINED ON SITE
10. ALL DRAINAGE LEVELS ARE MEASURED RELATIVE TO SETTING OUT LEVEL (FINAL TERRACE LEVEL) AT THE CENTRE OF PLINTH

88/22-kV TRANSFORMER 1 (20MVA)		CIVILS		UMKOMAAS SUBSTATION		ER00779	
PLINTH AND BUNDWALL DETAILS							
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