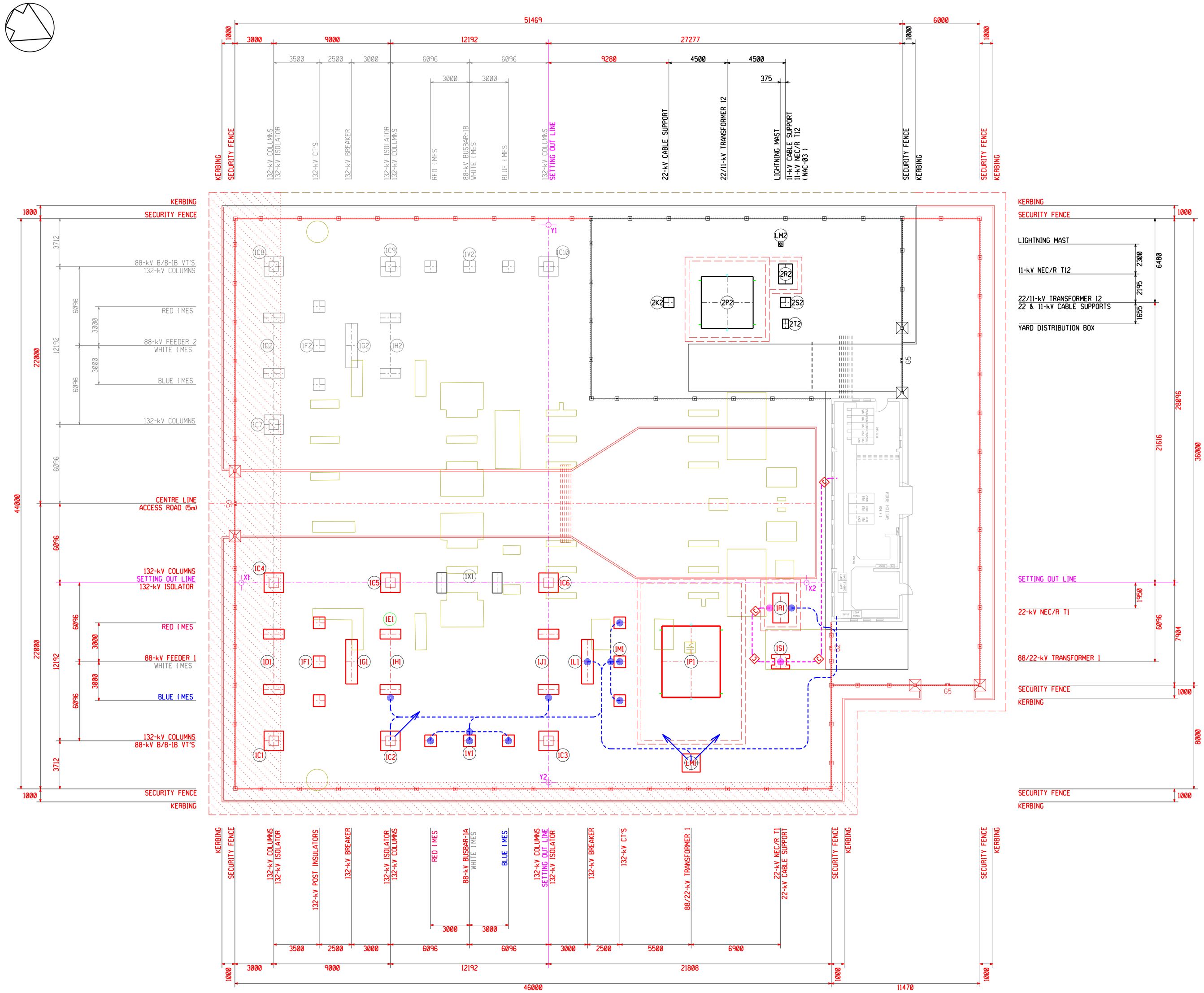

FOUNDATION SCHEDULE

ITEM	USED FOR	DRG No	QTY	COVER LEVEL
IC1-IC10	132-kV COLUMN	D-DT-5252-1Ar-6	- - 6	-
1D1	132-kV ISOLATOR	D-DT-5202/1Ar-14	2	-
1F1	132-kV POST INSULATOR	D-DT-5206/1Ar-9	3	-
1G1	132-kV BREAKER	D-DT-5200/1Ar-9	1	-
1H1	132-kV ISOLATOR	D-DT-5202/1Ar-14	2	-
1D2	132-kV ISOLATOR	D-DT-5202/1Ar-13	1	-
1F2	132-kV CT'S	D-DT-5206/1Ar-9	3	-
1G2	132-kV BREAKER	D-DT-5200/1Ar-8	1	-
1H2	132-kV ISOLATOR	D-DT-5202/1Ar-13	1	-
1V1	88-kV B/B-1A VT'S	D-DT-5206/1Ar-9	3	-
1X1	132-kV ISOLATOR	D-DT-5202/1Ar-13	1	-
1V2	88-kV B/B-1B VT'S	D-DT-5206/1Ar-8	3	-
1J1	132-kV ISOLATOR	D-DT-5202/1Ar-14	2	-
1L1	132-kV BREAKER	D-DT-5200/1Ar-9	1	-
1M1	132-kV CT'S	D-DT-5206/1Ar-9	3	-
1P1	88/22-kV TRANSFORMER 1	SET.20 SHT.01	1	-
1R1	22-kV NEC/R T1	D-DT-5207/41r1	1	-
1S1	22-kV CABLE SUPPORT	D-DT-5213/1Ar-9	1	-
2K2	22-kV CABLE SUPPORT	SET.20 SHT.05	1	-
2P2	22/11-kV TRANSFORMER 12	SET.20 SHT.04	1	
2R2	11-kV NEC/R T12	SET.20 SHT.06	1	-
2S2	11-kV CABLE SUPPORT	SET.20 SHT.05	1	-
2T2	YARD DISTRIBUTION BOARD	•••	1	(NAC-03)
LM1	14m LIGHTNING/LIGHTING MAST	D-DT-5217/1Br-6	1	-
LM2	LIGHTNING MAST	•••	1	-

NOTES

1. ALL WORK TO BE DONE IN ACCORDANCE WITH SANS 1200 LATEST REVISION
2. ALL LEVELS TO BE SET-OUT FROM BENCH MARK INDICATED ON SHEET 01
3. TOP OF EQUIPMENT FOUNDATIONS TO BE 150mm ABOVE TERRACE LEVEL; TOP OF TRANSFORMER PLINTH TO BE 100mm ABOVE TERRACE LEVEL, EXCEPT WHERE OTHERWISE SHOWN ON FOUNDATION LEVELS
4. ALL FOUNDATION HOLDING DOWN BOLTS TO BE ALIGNED FOR CASTING OF CONCRETE TO A TOLERANCE OF ± 2mm, FOUNDATION TOLERANCE TO BE IN ACCORDANCE WITH SANS 1200 G6 GRADE II
5. DEPTH OF EQUIPMENT FOUNDATIONS TO BE NOT LESS THAN SHOWN ON DETAIL DRAWING AND NOT LESS THAN 300mm INTO NATURAL GROUND
6. ALL TOP EDGES OF CONCRETE ABOVE GROUND LEVEL TO HAVE 25mm CHAMFER AT 45(
7. ALL FOUNDATIONS TO BE CAST WITH 50x3mm FLAT COPPER BAR BOLTED TO FOUNDATION BOLTS AS SHOWN ON THE APPROPRIATE DRAWINGS, A LENGTH OF 2m TO PROTRUDE OUTSIDE THE FOUNDATION FOR CONNECTING TO THE MAIN EARTHMAT ON INSTALLATION
8. ALL EXPOSED FOUNDATION SURFACES SHALL BE STEEL FLOAT FINISHED
9. CONTROL CABLES ROUTES
10. MV CABLE WITH ROUTE MARKERS
11. PILOT CABLE ROUTE (MV CABLE PROTECTION)

FOUNDATION INFORMATION - CIVIL DESIGN
CABLE ROUTES INFORMATION - ELECTRICAL DESIGN

REV	DRAWN	CHKD	APPROVED	DATE	REVISION DESCRIPTION
02	TDOB	GP&NN	PDC 01/02/21	29/01/21	REDRAWN, RENUMBERED WAS D-EN-551/2+2, 88/22-kV YARD ADDED

CHECKED: G Pillay&N Naidoo 29/01/2021
DRAWN: T D O'Brien 12/12/2018
SCALE: 1:150
AUTHORIZED: PD Chetty 01/02/2021

Eskom Distribution

UMKOMASS SUBSTATION
88/22/11-kV
FOUNDATION AND CABLE ROUTES PLAN

ER00779

SET	SHEET	REVISION
17	03	00

A1