

NOTES:

FOUNDATION				
DESCRIPTION	USE FOR	DRAWING NO.	REV NO.	TOP OF FND LVL
C1-C3	66kV COLUMNS	0.54/329	6	150 AGL
C4-C7	11kV COLUMNS	0.54/329	6	150 AGL
CB1-CB3	66kV BKR	D-DT-5201	1	150 AGL
CB4 & CB5	66kV BKR	0.54/534	5	-
CB6	66kV BKR	D-DT-5201	4	150 AGL
CB7	22kV BKR	D-DT-5216-01	2	150 AGL
CB8-CB12	11kV BKR	D-DT-5216-01	4	200 AGL
CIVIL WORKS	TRENCH, STONE & KERBING	D-EC-1977	9	-
CSE1 & CSE2	CABLE SEALING END FOUNDATION	D-DT-5206	0	-
CSE3	CABLE SEALING END FOUNDATION	D-DT-5213-01	5	150 AGL
CSE4-CSE7	CABLE SEALING END FOUNDATION	D-DT-5213-01	6	200 AGL
CT1-CT15	66kV CT	D-DT-5206	0	-
CT16-CT18	66kV CT	D-DT-5206-01	4	150 AGL
CONTROL BUILDING	SWITCH ROOM	D-EC-1740-14	4	-
D1	OIL DAM	D-EC-1740-12	0	-
FW1	FIRE WALL	-	-	-
FW2 - FW4	FIRE WALL	D-DT-5218-01	1	150 AGL
IS1-IS4, IS6 & IS7	66kV ISOLATOR	D-DT-5203	1	150 AGL
IS5 & IS8-IS11	66kV ISOLATOR	0.54/2237	4	150 AGL
IS12	66kV ISOLATOR	D-DT-5203-01	7	150 AGL
IS13	22kV ISOLATOR	D-DT-5205-01	5	150 AGL
IS14-IS21	11kV ISOLATOR	D-DT-5205-01	6	200 AGL
LM1-LM2	LIGHTING MAST	D-DT-5051	6	-
LM3	14m LIGHTING MAST	D-DT-5217-01	2	-
LM4-LM6	21m LIGHTING MAST	D-DT-5217-06	4	200 AGL
MH1 - MH3	MANHOLE	D-EC-1977	3	-
NEC1	11kV NEC/NER/AUX TRFR	D-EC-1740-09	1	-
NEC2	11kV NEC/NER/AUX TRFR	D-EC-1740-10	1	-
NEC3	22kV NECRT SUPPORT FOUNDATION	D-DT-5207-01	6	150 AGL
OT1	OIL TRAP DETAILS	D-EC-1740-13	0	-
P11-P112	MED. EQUIP. SUPPORT FOUNDATION	D-DT-5206	0	-
P113	MED. EQUIP. SUPPORT FOUNDATION	D-DT-5206-01	4	150 AGL
TB1-TB15	TUBULAR BUSBAR SUPPORT FOUNDATION	D-DT-5208	2	150 AGL
TB16 - TB19	TUBULAR BUSBAR SUPPORT FOUNDATION	11.37/1655	1	-
TB20 - TB23	TUBULAR BUSBAR SUPPORT FOUNDATION	D-EC-2069-01	6	SEE LEVELNOTES
T1	TRFR 1 OIL CONTAINMENT AREA	D-EC-1740-09	1	-
T2	TRFR 2 OIL CONTAINMENT AREA	D-EC-1740-10	1	-
T3	TRFR 3 OIL CONTAINMENT AREA	D-EC-1740-11	0	-
VT1-VT4	MED. EQUIP. SUPPORT FOUNDATION	D-DT-5206-01	4	150 AGL
VT5-VT6	MED. EQUIP. SUPPORT FOUNDATION	D-DT-5206-01	5	200 AGL

FENCE AND TRENCH SCHEDULE:

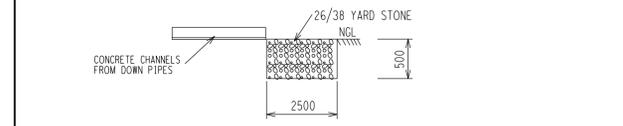
DESCRIPTION	REFERENCE
TRENCH COVER	D-DT-5254 SHT 1A & 1B
PALISADE FENCE	D-DT-5237 SHT 7A, 7B, 7E & 7F
PALISADE FENCE LABEL BRACKET	D-EC-1949
1.5m PALISADE GATE	D-DT-5237 SHT 7F & 7E
STONE KERBING	D-DT-5254 SHT 2C

FENCE LEGEND:

SYMBOL	DESCRIPTION
⊗	FENCE CORNER POST/INLINE TEE POST
⊗	FENCE INTERMEDIATE POST
⊗	GATE POSE
⊗	CABLE TRENCH COVER SUPPORT D-DT-5254 SHT 6A & 6B
⊗	MEASURED PANEL

NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH SANS 1200 LATEST REVISION.
- ALL PALISADE FENCE PANELS ARE STANDARD 3m PALISADE FENCE PANELS UNLESS OTHERWISE INDICATED.
- THE PALES TO BE USED ARE TO BE THE 'CLASSIC PALISADE' SECTION SEE D-DT-5237 SHT 7A, 7B, 7E & 7F WITH COUNTERSUNK BOLT AND SHEAR NUT.
- PAVING IS TO HAVE A FALL OF 1:200 AWAY FROM THE CONTROL BUILDING IN ALL DIRECTIONS TO PREVENT WATER DAMAGING. FOR PAVING REFER TO PROJECT SPECIFICATION.
- ANTI-TUNNELING SHOULD NOT BE CONSTRUCTED.
- H.V. YARD TO HAVE A CLEAN, HARD, SOUND CRUSHED STONE OF A 26/38mm MINIMUM NOMINAL SIZE, 100mm THICK LAYER. THIS SHOULD BE APPLIED AFTER INSTALLATION OF ALL EQUIPMENT AND CABLES. PROVIDE A SAMPLE FOR APPROVAL.
- USE STONE KERBING (D-DT-5254 SHT 2C) 1.2m AWAY FROM THE EXTERNAL PALISADE FENCE AROUND THE SUBSTATION AND 300mm AWAY FROM INTERNAL PALISADE FENCE AROUND THE CONTROL ROOM AREA.
- MEASURED PANELS ARE TO BE MEASURED FROM AN INTERMEDIATE POST TO THE CORRESPONDING CORNER OR INLINE TEE POST. PALES ON THE MEASURED PANEL SHOULD BE CALCULATED CORRECTLY SUCH THAT THE DISTANCE BETWEEN PALES SHOULD NOT EXCEED 160mm CENTER TO CENTER.



SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
SHEET 14	SWITCH HOUSE G.A.	SHEET 7	ELECTRICAL EQUIPMENT LAYOUT
SHEET 13	OIL TRAP DETAILS	SHEET 6	STEELWORK PLAN
SHEET 12	OIL DAM	SHEET 5	FOUNDATION, TRENCH & FENC
SHEET 11	TRFR 3 OIL CATCHMENT AREA	SHEET 4	EARTHMAT LAYOUT
SHEET 10	TRFR 2 OIL CATCHMENT AREA	SHEET 2	SITE PLAN
SHEET 9	TRFR 1 OIL CATCHMENT AREA	SHEET 1	STATION ELECTRIC DIAGRAM
SHEET 8	SECTIONS AND CLAMPS		REFERENCE DRAWINGS

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
5	EXTENDE SUBSTATION YARD ON THE CONTROL BUILDING SIDE AND MODIFIED CONTROL BUILDING	BMH	NSH	NMR	29/05/2017	
4	INDOOR SWITCHGEAR REPLACED WITH OUTDOOR	MM	MG	NMR	03/12/2007	NER 723
3	TRFR 3 66/22kV 10MVA ADDED	MM	MG	NMR	22/10/2004	NER 523

Eskom Distribution

AUTH: N WEBBER
 DATE: 02/07/2001
 CHKD: M. Gallant
 DATE: 20/06/2001
 DRAWN: V. Lawana
 DATE: 18/06/2001

KING WILLIAMSTOWN
 SUBSTATION
 66/22/11kV
 FOUNDATION, TRENCH & FENCING

D-EC-1740

SET	SHEET	REVISION
	5	5

