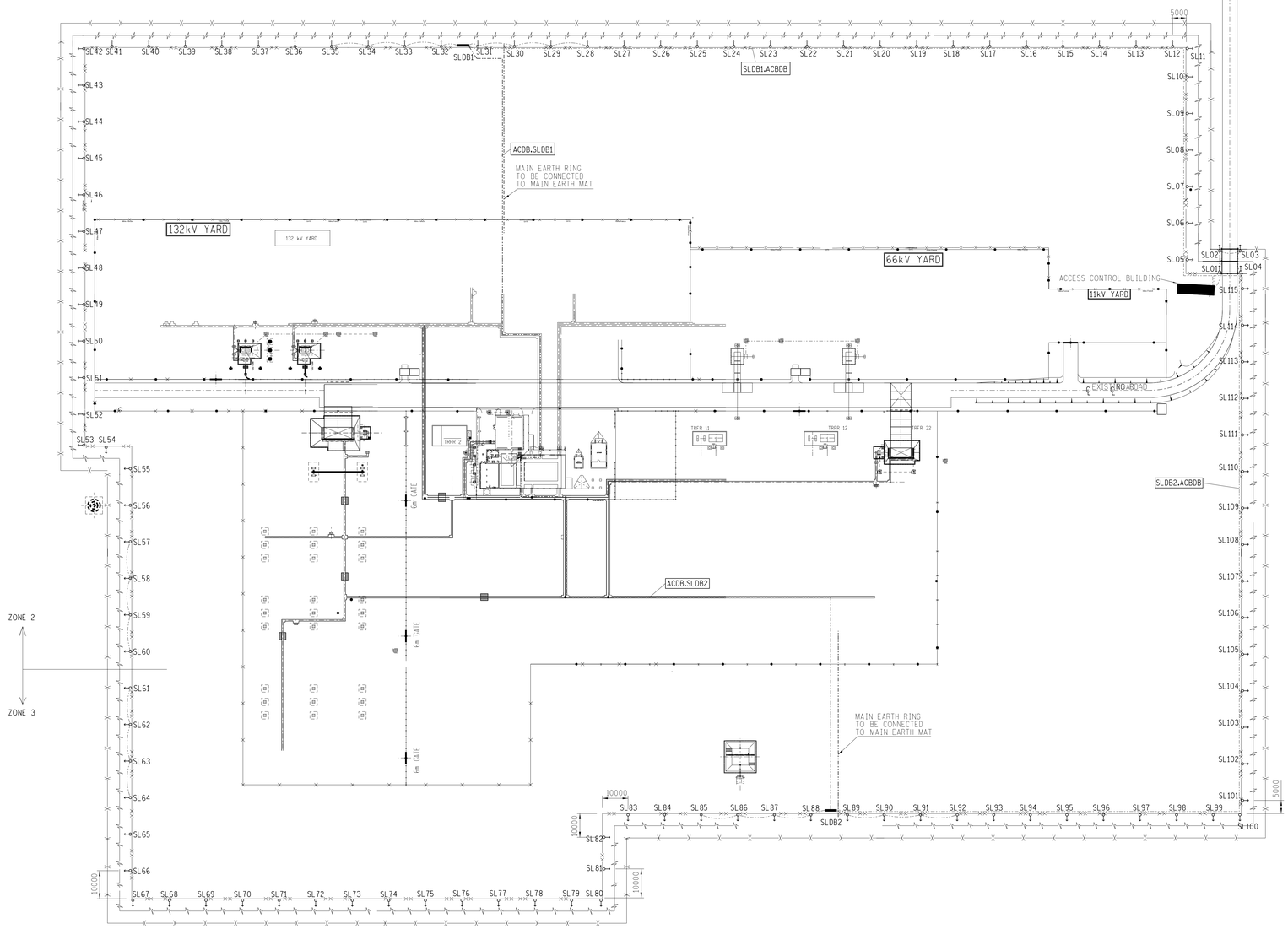
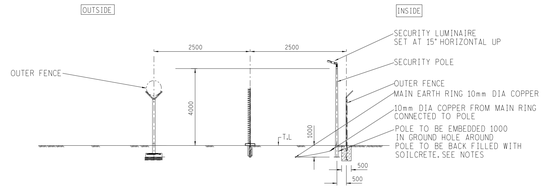


CABLE SCHEDULE FOR SECURITY LIGHTING LV RETICULATION (SLDB1)					
CABLE No	CABLE TYPE	FROM	TO	ESTIMATED LENGTH (m)	ACTUAL LENGTH (m)
FLDB.SLDB1	BVX4HCV	FLDB	SLDB1	340	
SLDB1.SL05-SL31	BVX4ECV	SLDB1	SL05-SL31	420	
SLDB1.SL32-SL60	BVX4ECV	SLDB1	SL32-SL60	420	
FLDB.SLDB2	BVX4HCV	FLDB	SLDB2	310	
SLDB2.SL61-SL88	BVX4ECV	SLDB2	SL61-SL88	420	
SLDB2.SL89-SL115	BVX4ECV	SLDB2	SL89-SL115	400	
SLDB1.ACBDB	BVX4DCV	SLDB1	ACBDB	440	
SLDB2.ACBDB	BVX4DCV	SLDB2	ACBDB	420	
AROUND FENCE BETWEEN NON LEATHAL AND INNER FENCE	10mm DIA COPPER			3KM	

SECURITY LIGHTING ZONES	
ZONE	POLE NUMBER
1	SL05-SL31
2	SL32-SL60
3	SL61-SL88
4	SL89-SL115

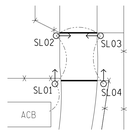


DETAIL 'A'

NOTES:

1. SECURITY LIGHTING ELECTRICAL INSTALLATION WORK SHALL BE IN ACCORDANCE WITH:
   1.1. TECHNICAL SPECIFICATION
   1.2. SANS 10142
   1.3. SANS 10198
2. POWER CABLES SHALL FOLLOW CABLE ROUTE AS SHOWN. WHEN LEAVING THE CABLE TRENCHES, THE CABLE SHALL PASS BELOW THE TRENCH WALL FOUNDATION
3. POWER CABLES FOLLOWING ROUTES OUTSIDE THE CABLE TRENCHES SHALL BE BURIED AT A MINIMUM OF 500mm BELOW THE FINISHED TERRACE LEVEL
4. ROUTE MARKERS SHALL BE USED TO INDICATE ROUTE DEVIATIONS FOR BURIED CABLES IN ACCORDANCE WITH DRG 0.00/1286.
5. POWER CABLES SHALL BE LABELLED IN ACCORDANCE WITH DRG 0.00/1290. CABLE NUMBERS ARE INDICATED ON DRAWING & IN CABLE SCHEDULE
6. POWER CABLES SHALL FOLLOW CABLE TRENCHES INSIDE CONTROL BUILDING
7. 400/230V AC SLDB1-2 LOCATION & SIZE NOT TO SCALE
8. 400/230V AC SLDB1-2 SHALL BE EARTHED USING A 10mm DIAMETER BARE COPPER EARTH WIRE.
9. SECURITY POLES SHALL BE INSTALLED AT 15 METER INTERVALS AND 1000 DEEP IN GROUND, ENTRY FOR SUPPLY CABLE FROM BOTTOM OF POLE
10. THE SECURITY LIGHTING POLE SHALL BE MOUNTED NOT MORE THAN ONE METER FROM THE INNER FENCE
11. SLSDB1 & SLSDB2 SHALL BE CONSTRUCTED ACCORDONG TO THE STANDARD DRAWING 0.54/8812
12. SL01 – SL04 TO BE SUPPLIED AND SWITCHED FROM ACCESS CONTROL BUILDING
13. SECURITY POLE SHALL BE EMBEDED 1000 IN GROUND. A 500x1000 HOLE SHALL BE MADE FOR THE SECURITY POLE. AFTER POLE IS PLANTED, THE REMOVED SOIL SHALL BE MIXED WITH CEMENT AT 12:1 RATIO, REFILLED AND COMPACTED.
14. SECURITY LIGHTING POLE SHALL BE EARTHED TO EARTHMAT WITH A 10mm DIA BARE EARTH ROD.

EQUIPMENT SCHEDULE			
ITEM	DESCRIPTION	SUPPLIER CAT NO.	QUANTITY
LUMINAIRE POLE	GALVANISED STEEL POLE 5m, 4m MH ABOVE GROUND LEVEL, PROVIDED WITH ACCESS OPENING CABLE ENTRY AND GLAND PLATE WITH 5A MCB. A BASE PLATE SHALL BE PROVIDED FOR DIRECT EMBEDMENT INTO GROUND. SEE DCN 0.54/8805 FOR DETAILS.	GENLUX	115
LUMINAIRE	60W MAXIMUM LED HIGH PERFORMANCE LUMINAIRE. LUMINAIRE EFICACY 120 LM/W. ILLUMINATION PATERN, BATTWING SHAPE. COLOUR TEMPERATURE 4000. COLOUR RENDERING 80. LUMINAIRE BODY: NON FERROUS METAL. IP65. LUMINAIRE SHALL COMPLY WITH THE SPECIFICATIONS IN 240-139282493 DOCUMENT. LUMINAIRE SHALL BE BOTTOM ENTRY SPIGOT FOR LUMINAIRE TO FIT ON POLE.	GENLUX LUXMO 41802	115



ENTRANCE GATE LIGHTING LAYOUT

SL01-SL04 SHALL BE SUPPLIED AND SWITCHED FROM ACB

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	TD-	REFERENCE DRAWINGS

APPROVED BY — DATE 13/02/2025
CHECKED BY — DATE
DRAWN BY — DATE 13/02/2025
SCALE 1:750

Eskom

ESKOM HOLDINGS LIMITED
REG No. 2002/015527/06

PEMBROKE

SECURITY LIGHTING
CABLE ROUTE AND POLE LOCATION LAYOUT

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DRAWING NUMBER	SHEET NUMBER	REVISION
PEM25P19-SE-E43	1	0

SIZE A1 — GROUTH AOL