

0.53/2129
0.54/390 SHT. 1
0.54/390 SHT. 42b
0.54/390 sht. 55B
0.54/393 SHT. C1 TO C9
0.54/5633
0.54/7470
0.54/7515 SHT. 1A TO 9
0.54/8282
0.54/8725 SHT. 1 & 2
240-75883230
240-78980848
240-76368574
MAK19P03-SE-E47
MAK19P03-SE-E43 SHT. 1 TO 3



INNER FENCE

THE 2.4m HIGH WELDMESH FENCE MUST BE PAINTED.
CUT AND CLEAR THE GRASS TO EXPOSE THE MESH TO THE BITUMEN PAINTED LEVEL.
SURFACE PREPARATION, COATING APPLICATION PROCEDURES AND GUARENTEES
MUST BE IN ACCORDANCE WITH ESKOM SPECIFICATION 240-75883230 PAGES 12 TO 16.

IF PART OF THE WELDMESH PANELS, A POST OR STAY IS FOUND TO BE RUSTED TO MORE THAN HALVE THE ORIGINAL THICKNESS, IT MUST BE REPLACED AS DETAILED IN DRAWING 0.54/5633.

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AFTER SURFACE PREPARATION CLEAN MEMBER OR FENCE WITH
PLASCON METALCARE GALVANISED IRON CLEANER.
APPLY ONE COAT PLASCON METALCARE GALVANISED IRON PRIMER.
APPLY TWO COATS PLASCON METALCARE SILVERSHINE ALUMINIUM

THE NON-LETHAL FENCE COMPLETE INCLUDING THE PROTECTION SLAB MUST BE REMOVED AND SPOILED.
A TOTAL NEW NON-LETHAL FENCE IN ACCORDANCE WITH ESKOM SPECIFICATION
240-78980848 MUST BE INSTALLED.

THE GRASS MUST BE RE-INSTATED AFTER CONSTRUCTION WITH GRASS / GEL MIXTURE
SEED MIX:- DIGITARIA ERIANTHA (SMITS VINGER) - 8kg/ha.
 CHLORIS GYANHA (RHODES GRASS) - 8kg/ha.
 CYNODON DACTYLON - 8kg/ha.

A NEW HIGH RISK SECURITY FENCE ACCORDING TO THE ESKOM SPECIFICATION 240-76368574 MUST BE INSTALLED 1m TO THE INSIDE OF THE EXISTING OUTER FENCE AS SHOWN IN THE ELEVATION.

THE SPECIFICATION IS DETAILED ON DRG. 0.54/8725 SHT.1 & 2

THE DOUBLE OVERHANG OF THE HIGH RISK FENCE IS DETAILED ON DRAWING 0.54/5633 SHT.3

AFTER THE CONSTRUCTION OF THE NEW FENCE, THE EXISTING FENCE MUST BE REMOVED COMPLETELY AND SPOILED.

THE ACCESS GATES MUST BE REMOVED COMPLETELY AND SPOILED.
A TOTAL NEW ACCESS GATES ACCORDING TO DRAWING 0.54/7470 SHT.1 TO 11 MUST BE INSTALLED
COMPLETE WITH GATE MOTORS, GATES AND SLEEVES AS SHOWN

THE EXISTING GUARDHOUSE BUILDING MUST BE UPGRADED TO THE LATEST STANDARD 2011

INSTALL A FIBRE OPTIC SLEEVE PIPE WITH DRAW BOXES
IN ACCORDANCE WITH 0.53/2129 AS SHOWN ON THE LAYOUT
YARDSTONE TO BE REMOVED 2m ON EITHER SIDE OF EXCAVATION AND REPLACED
AFTER BACKFILLING AND COMPACTION TO A THICKNESS OF 100mm AND FREE FROM SOIL.

The diagram illustrates the perimeter security system at the White House, showing three concentric fences: Outside High Security Fence, Non-Lethal Electric Fence, and Inside Security Fence. The diagram includes a legend for fence types and a scale bar.

Legend:

- OUTSIDE HIGH SECURITY FENCE (represented by a solid line with small squares)
- NON-LETHAL ELECTRIC FENCE (represented by a dashed line with diamond shapes)
- INSIDE SECURITY FENCE (represented by a solid line with small circles)

Diagram Details:

- The **OUTSIDE HIGH SECURITY FENCE** is the outermost perimeter, shown as a solid line with small squares.
- The **NON-LETHAL ELECTRIC FENCE** is the middle perimeter, shown as a dashed line with diamond shapes.
- The **INSIDE SECURITY FENCE** is the innermost perimeter, shown as a solid line with small circles.
- The fences are arranged in a rectangular shape, with the Non-Lethal Electric Fence and Inside Security Fence following the same path but with a slight inward offset.
- A scale bar at the bottom indicates distances of 10 and 20 units.

HIGH SECURITY FENCE (OUTER FENCE)

0.54/8725 sht 1 and 2

SPEC.240-76368574

FIBRE SLEEVE PIPE

0.53/2129

NON-LETHAL ELECTRIC FENCE

0.54/8282

SECURITY FENCE (INNER FENCE)

0.54/5633 sht 1-4

EXIST. FENCE

HANDRAIL

0.54/5578

SLIDING GATES

0.54/7470 sht 1-11

1,74km

355m

1,72km

1,70km

EXIST. FENCE



1:100

1. ALL WORK TO BE IN ACCORDANCE WITH SANS 1200 SPECIFICATIONS AND NATIONAL PREAMBLE OF TRADES.
2. THIS DRAWING TO BE READ IN ACCORDANCE WITH SPECIFICATIONS AND DRAWINGS MENTIONED - SEE REFERENCE
3. FOR EARTHING SEE SECURITY LIGHT LAYOUT AND DRG. 0.54/393 SHT.

REV		REVISION DESCRIPTION			DRAWN	CHKD	AUTH	DATE	REFERENCE DRAWINGS		
APPROVED BY		 Eskom					Eskom Holdings SOC Ltd Reg No 2002/015527/30				
DATE											
CHECKED BY		BIGHORN SECURITY FENCE UPGRADE LAYOUT, DETAILS AND SPECIFICATIONS									
DATE											
DRAWN BY											
		©									
DATE 14-7-2020		BIG19P07-SE-E11							SHEET NUMBER		REVISION
SCALE AS SHOWN											0

FINAL DESIGN FOR CONSTRUCTION

SIZE A 1 L
GROOTTE A 1 L