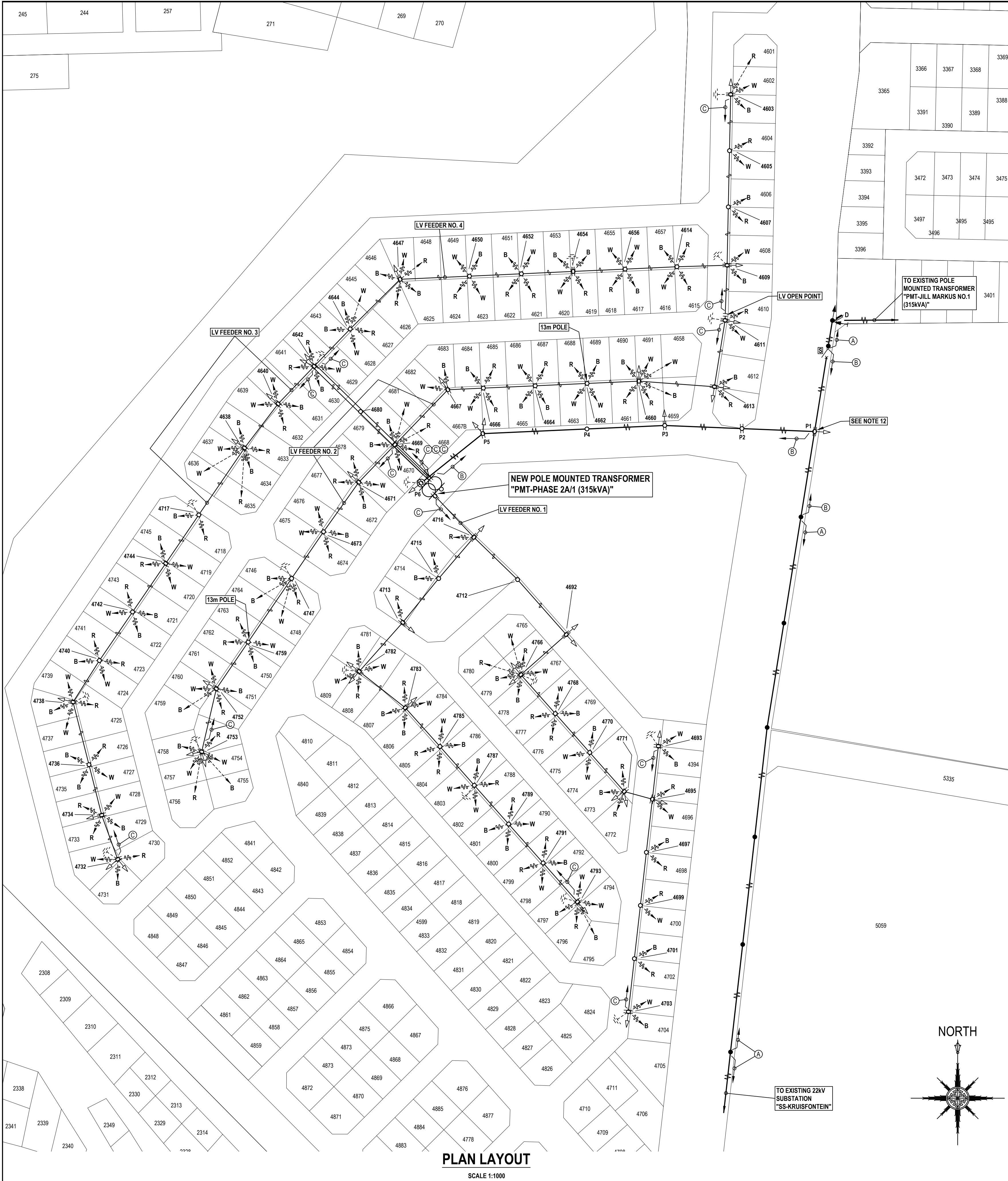
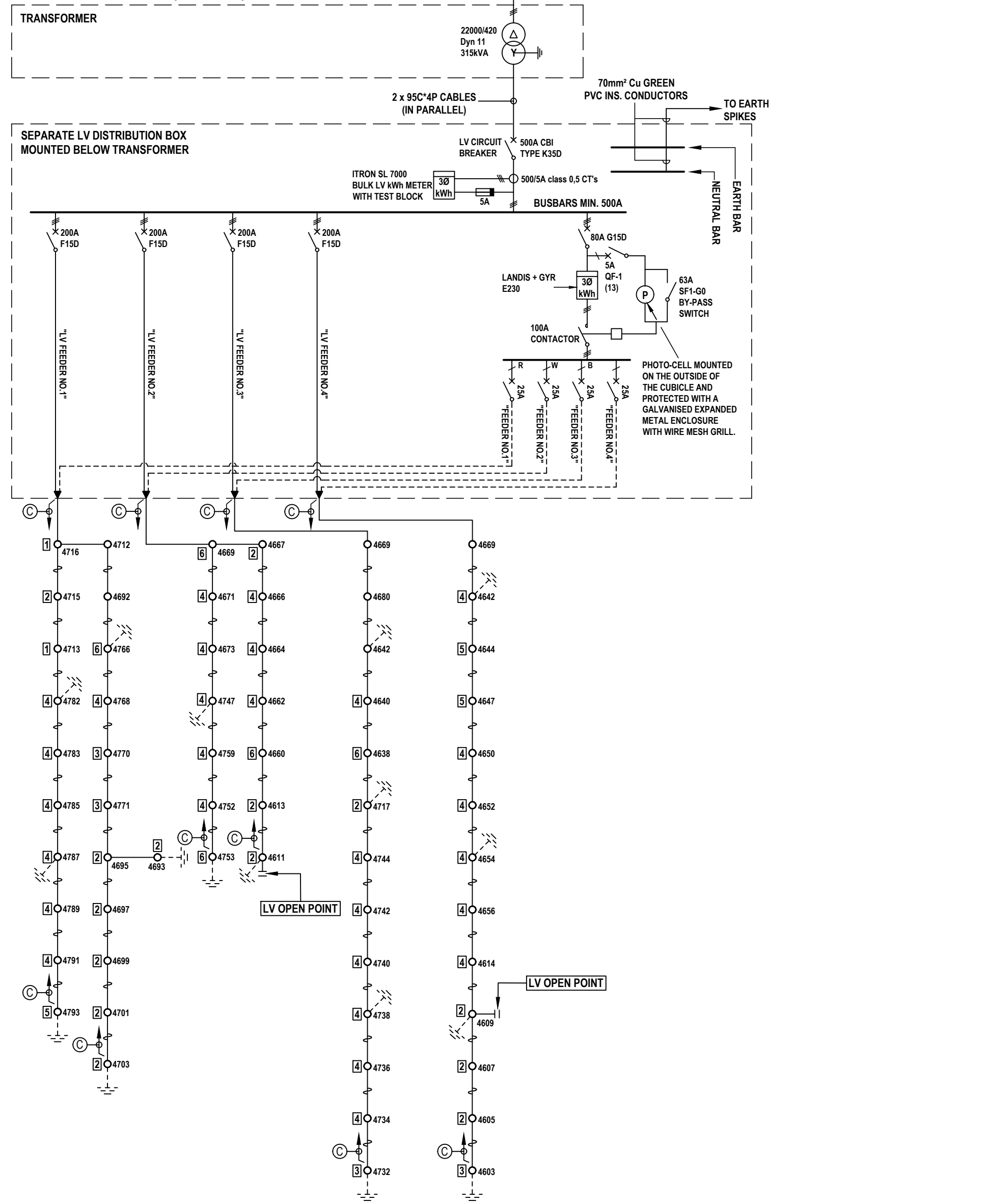




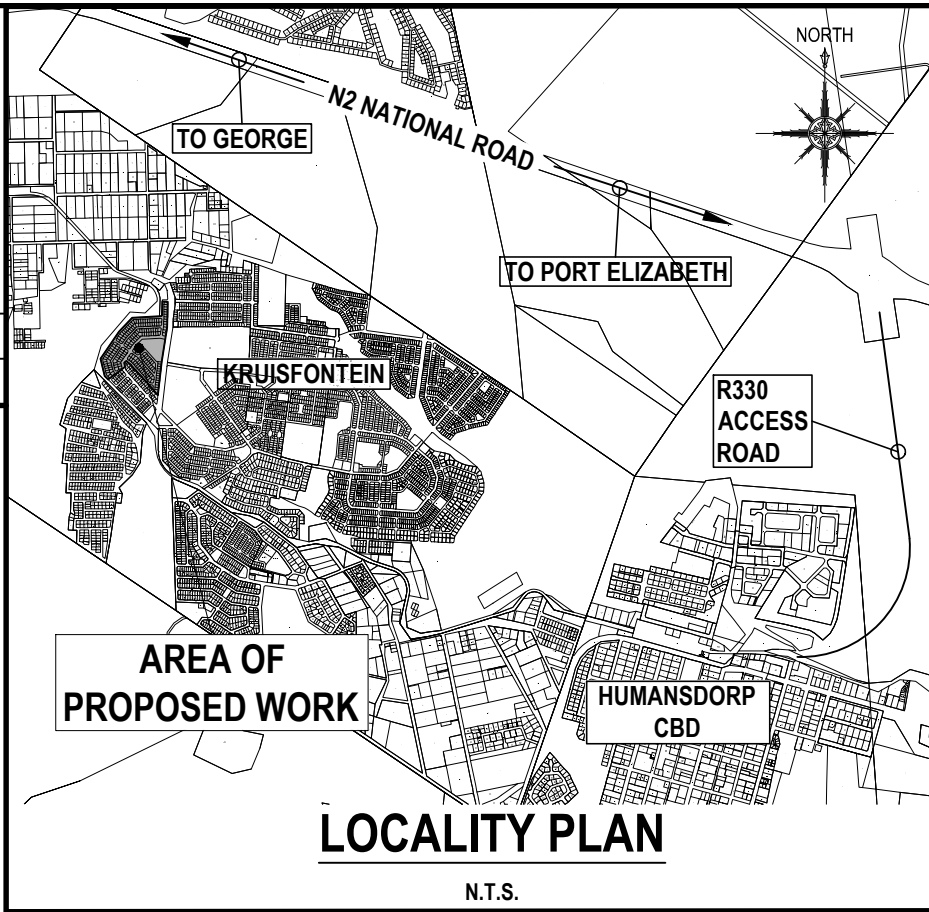
PLAN LAYOUT
SCALE 1:1000

EXISTING POLE MOUNTED TRANSFORMER "PMT-PHASE 2A/1 (315kVA)"



SCHEMATIC DIAGRAM
N.T.S.

No.	DATE	DRAWN	DESCRIPTION
			REVISIONS



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PROJECT
BULK INFRASTRUCTURE WORK AND ELECTRIFICATION OF 200 HOUSES AT KRUIJSFONTEIN IN HUMANSDORP (DMRE WORK 2021/22)

DRAWING TITLE
ELECTRIFICATION OF 200 HOUSES IN KRUIJSFONTEIN: PLAN LAYOUT, SCHEMATIC DIAGRAM AND DETAILS

DRAWN	DESIGNED	CHECKED	APPROVED
MvM	GSA	GSA	
SCALE	DATE	CAD REF No.	DWG-SIZE
AS SHOWN	16/04/2021	10518-E-02	A1
DRAWING NO.	REVISION		
10518/E/02			

LEGEND

- REFER TO DRAWING NO. S1E/2 - STANDARD GRAPHICAL SYMBOLS FOR ELECTRICAL RETICULATION SYSTEMS.
- MV (22kV) OVERHEAD (OHL) LINE:
- EXISTING 22kV BARE CONDUCTOR
 - NEW 22kV BARE CONDUCTOR, HARE (6/14,72) ACSR (VERTICAL CONSTRUCTION)
 - NEW COMBINED MV AND LV POLE
 - EXISTING COMBINED MV AND LV POLE
 - EXISTING MV OR LV POLE
 - NEW MV OR LV POLE
- LV OVERHEAD ABC BUNDLED CONDUCTOR SIZES:
- NEW 3 x 70mm² Al + 54mm² Al + 1 x 25mm² Al
- LV OVERHEAD SERVICE CONNECTION CABLE SIZES:
- PHASE COLOUR TO BE CONNECTED
 - 10mm² Cu LV AIRDAC OVERHEAD SERVICE CONNECTION CABLE
- STAY
STRAIN POINT
LV OVERHEAD BUNDLED CONDUCTOR
POLE NUMBER
- PROP STRUCTURE
EXISTING STAY
EXISTING PROP STRUCTURE
EXISTING POLE

NOTES

- MV IN THIS CASE IS 22000 VOLT.
- REFER TO ELSEWHERE ON THIS DRAWING FOR THE SCHEMATIC DIAGRAM. FOR CONSTRUCTIONAL DETAILS AND EARTHING DIAGRAMS REFER TO DRAWING NO'S 10518/E/03 TO 24.
- ALL POLE POSITIONS SHOWN ARE PROVISIONAL AND WILL BE DETERMINED ON SITE IN CONJUNCTION WITH THE ENGINEER.
- POLE POSITIONS TO BE CO-ORDINATED WITH THE SEWER AND WATER PIPE INSTALLATIONS.
- DISTANCE BETWEEN CENTRE OF OVERHEAD LINE AND ERF BOUNDARIES, UNLESS SHOWN OTHERWISE: MIDBLOCK LINES - 500mm
ALL OTHER LINES IN ROAD RESERVES - 1000mm
- ALL STREETLIGHT EQUIPMENT IS FOR FUTURE INSTALLATIONS SWITCHED AT PMT, UNLESS SHOWN OTHERWISE.
- UNLESS SHOWN OTHERWISE MV POLES SHALL BE 11m AND LV POLES 9m LONG.
- UNLESS SHOWN OTHERWISE THE MIN. SPACING BETWEEN 22kV & LV CONDUCTORS SHALL BE 900mm.
- EARTHING
A) TO COMPLY WITH THE SPECIFICATION AND AMEU CODE OF PRACTISE FOR THE APPLICATION OF THE NEUTRAL EARTHING ON LOW VOLTAGE DISTRIBUTION SYSTEMS.
B) POLES AS SHOWN TO HAVE 35mm² BLACK PVC INSULATED COPPER DOWN EARTH CONDUCTOR. EARTHING NEUTRAL CONDUCTOR OF LV OVERHEAD LINE.
- WHERE MV AND LV LINES RUN ALONG THE SAME ROUTE THE MINIMUM DISTANCE BETWEEN THE 22kV CONDUCTOR AND THE LV CONDUCTOR SUSPENSION POINTS SHALL BE 900mm.
- POLE NUMBER LABELS ONLY TO BE PROVIDED ONCE CORRECT AND FINAL ERF NO'S ARE KNOWN.
- DISCONNECT EXISTING 22kV OVERHEAD LINE AND INSTALL NEW STRAIN POLE FOR T-OFF TO NEW POLE MOUNTED TRANSFORMER.