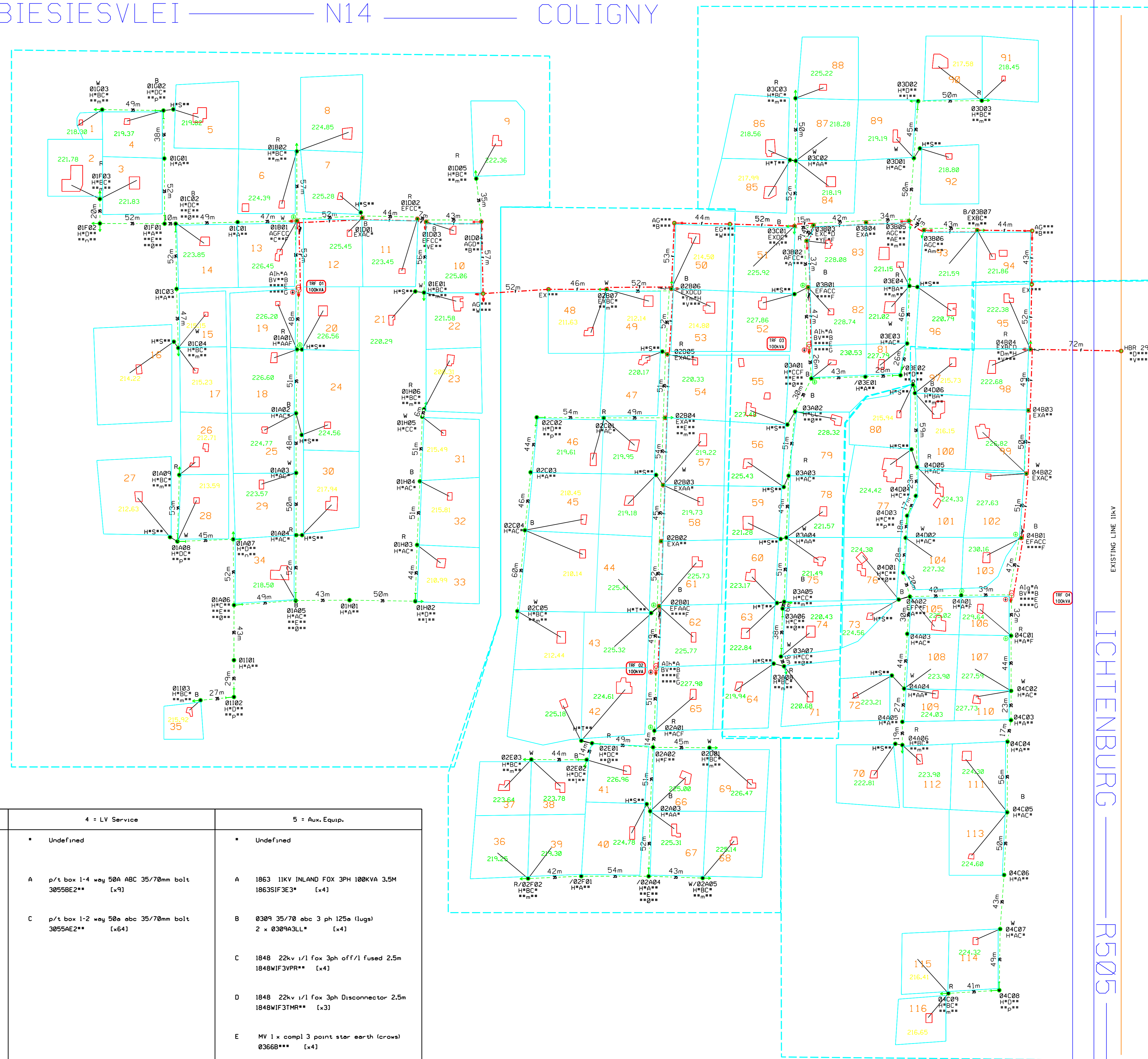


Ga-Maloka Electrification Design

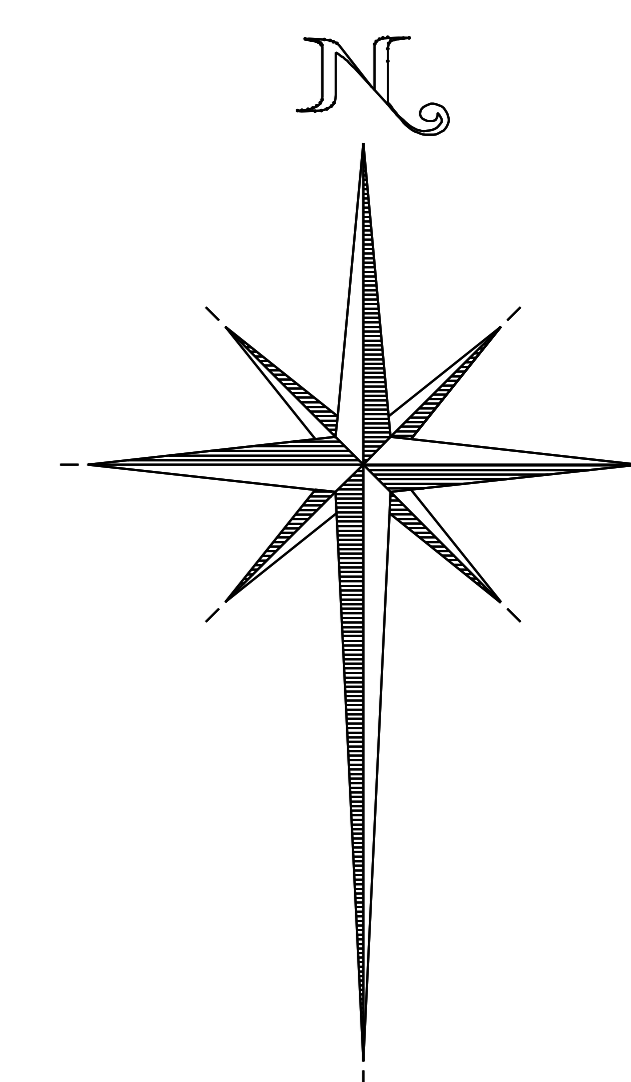
ADMD/Stand 1.2kVA

Total number of Transformers: 4

4 x 100kVA 11kV/415V



LEGEND	
SYMBOL	DESCRIPTION
	LV POLE WITH STAY AND STRUT
	LV POLE WITH FLYING STAY
	LV POLE WITH SHORT STAY
	MV POLE WITH STAY AND STRUT
	MV POLE WITH FLYING STAY
	MV POLE WITH SHORT STAY
	TRANSFORMER/MINI SUB
	LV, MV & SHARING POLES
	TICKER POLE (5.7.9m)
	ISOLATOR
	BREAKER
	AUTO RECLOSER
	SECTIONALIZER
	METERING UNIT
	FUSE ISOLATOR
	SURGE ARRESTER
	CABLE JOINT (MV+LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS FEET / EARTH SPIKE
	HIGH MAST
	ABC CONDUCTOR 35 & 70
	2 - 1 PHASE = R, W, B
	2 - 2 PHASE = RW, RB, WB
	35 & 70 ONLY = 3 PHASE
	MV & LV BARE CONDUCTOR
	F = FOX, G = GOPHER, H = HARE
	M = MINK, S = SQUIRELL
	W = WOLF, R = RABBIT, O = OAK
	PHASES SEE ABC CONDUCTOR
	MV = RED, LV = GREEN
	SERVICE CONNECTIONS 4/10/16mm
	SERV. CONN. 1/1.6 4/10/16mm
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE
	TELKOM LINE
	TELKOM POLE



CODE POSITION	1 = Poles	2 = MV Conf. + Anchors	3 = LV Conf. + Anchors	4 = LV Service	5 = Aux. Equip.
	<ul style="list-style-type: none"> Undefined E pole 11m 168-177mm top wooden 0851RAF1*** (x29) H pole 7m 120-139 wooden hard mech 0850PAF1*** (x110) A pole 11m 180-199 wooden hard mech 0851SAF1*** (x13) B pole 9m 180-199 wooden hard mech 0855SAF1*** (x4) 	<ul style="list-style-type: none"> Undefined F 3ph delta 1-60deg strain 1748WIF1*** (x7) G 3ph delta 60-90deg Strain 1745WIF1*** (x10) I 3ph delta Terminal 1746WIF1*** (x4) V stay conventional MV f/glass 0341F1F1** (x8) W 2 x stay conventional MV f/glass 2 x 0341F1F1** (x3) X 1740 3ph delta 0deg 2.5wood 1740WIF1*** (x20) Y 1804 3ph delta T-off 1804WIF1*** (x2) A strut pole mv 12m - hard soil 0351GF1*** (x4) B 2 x strut pole mv 12m - hard soil 2 x 0351GF1*** (x3) C stay conventional mv f/glass - hard soil + stru 0341F1F1** 0351GF1*** (x2) D 1804 3ph delta T-off 1804WIF1*** (x2) 	<ul style="list-style-type: none"> Undefined A ABC 3ph Susp (Int) Ass (0-30) 1180*21*** (x50) B ABC 3ph Terminal Ass 1120*2*** (x24) C ABC 3ph Strain Ass (0-60) 1121*2*** (x17) D ABC 3ph Strain Ass (60-90) 1122*2*** (x16) E ABC 3ph T-off from Int 1140*2*** (x11) F ABC 3ph Int-Int Xing Ass 1141*2*** (x3) S Service Connection for concentric strain 0348EL1*** (x23) T Service Connection for concentric strain 2 x 0348EL1*** (x4) h 2 ABC 3ph Termination at Tfr 2 x 1120*2*** (x3) I 3 ABC 3ph Terminations at Tfr 3 x 1120*2*** (x1) m stay conventional LV porc - hard soil 0341F1F1** (x29) n 2 x stay conventional LV porc - hard soil 2 x 0341F1F1** (x3) 0 strut pole LV 9m - hard soil 0342DF1** (x11) l strut pole LV 9m - conv stay 0341F1F1** 0342DF1** (x4) p 2 x strut pole LV 9m - hard soil 2 x 0342DF1** (x6) 	<ul style="list-style-type: none"> Undefined A p/t box 1-4 way 50A ABC 35/70mm bolt 3055BE2** (x9) C p/t box 1-2 way 50A abc 35/70mm bolt 3055AE2** (x64) 	<ul style="list-style-type: none"> Undefined A 1863 11KV INLAND FOX 3PH 100KVA 3.5M 1863SIF3E3* (x4) B 0309 35/70 abc 3 ph 125e (lugs) 2 x 0309A3LL** (x4) C 1848 22kv v/l Fox 3ph off/l Fused 2.5m 1848WIF3VPR** (x4) D 1848 22kv v/l Fox 3ph Disconnector 2.5m 1848WIF31M0** (x3) E MV 1 x compl 3 point star earth (arows) 0366B1*** (x4) F LV 1 x compl 3 point star earth (crows) 0366A1*** (x7) G LV MCCB 3ph 150A for 100kVA 3034*** (x4) H Indicator, Fault Path Perm ADC C/M D-DT 3037 (x3)

Eskom Distribution		GA-MALOKA	
ELECTRIFICATION DESIGN		ELECTRIFICATION DESIGN	
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