

POLE CODE LEGEND

FIVE CHARACTER CAD CODE STRUCTURES				
POSITION 1	POSITION 2	POSITION 3	POSITION 4	POSITION 5
POLE	M.V. STRUT	L.V. STRUT	POLE TOP BOX	AUXILIARIES
POSITION 1 (POLE)				
C	9M WOODEN POLE (120-139mm)			0050
D	9M WOODEN POLE (160-179mm)			0055
K	11M WOODEN POLE (160-179mm)			0051
M	12M WOODEN POLE (180-199mm)			0061
L	11M WOODEN POLE (180-199mm)			0051
N	13M WOODEN POLE (200-219mm)			0053

POSITION 2 (M.V. STRUCTURES WITH STRUTS & STAYS)				
				D-DT NO.
A	INTERM. (0° DEV) STAG VERT 600 SPACING			1710
B	STRAIN (30-90° DEVI) VERTICAL SPACING 600			1715
C	STRAIN (0°-30° DEVIATION) VERTICAL 600 SPACING			1714
I	STRAIN (0° DEVIATION) VERTICAL 600 SPACING			1746
D	STRAIN TERMINAL VERTICAL / 2.5M WOODEN X-ARM			1715
E	MV STAY ASSEMBLY			0341
M	MV STRUT ASSEMBLY SWIVEL BRACKET			0351
V	T-OFF FROM INTERM/STRAIN DELTA 2.5M WOODEN X-ARM			1801

POSITION 3 (L.V. STRUCTURES WITH STRUTS & STAYS)				
				D-DT NO.
A	SUSPENSION ASSEMBLY (0-30°) WOOD POLE			1100
B	TERMINAL ASSEMBLY WOOD POLE			1120
C	STRAIN ASSEMBLY (0-60°) WOOD POLE			1121
D	STRAIN ASSEMBLY (60-90°) WOOD POLE			1122
E	T-OFF ASSEMBLY FROM INTERMEDIATE WOOD POLE			1140
G	T-OFF ASSEMBLY FROM STRAIN WOOD POLE			1142
H	CROSS INTERMEDIATE / INTERMEDIATE ASSEMBLY WOOD POLE			1141
I	CROSS INTERMEDIATE / STRAIN ASSEMBLY WOOD POLE			1143
K	SUSPENSION ASSEMBLY (0-30°) WOOD POLE (SINGLE PHASE)			1153
M	TERMINAL ASSEMBLY WOOD POLE (SINGLE PHASE)			1154
J	T-OFF ASSEMBLY FROM INTERMEDIATE WOOD POLE (SINGLE PHASE)			1157
N	STRAIN ASSEMBLY (60-90°) WOOD POLE (SINGLE PHASE)			1156
F	L.V. STAY ASSEMBLY			0341
L	L.V. STRUT ASSEMBLY FLAT 45°			0342

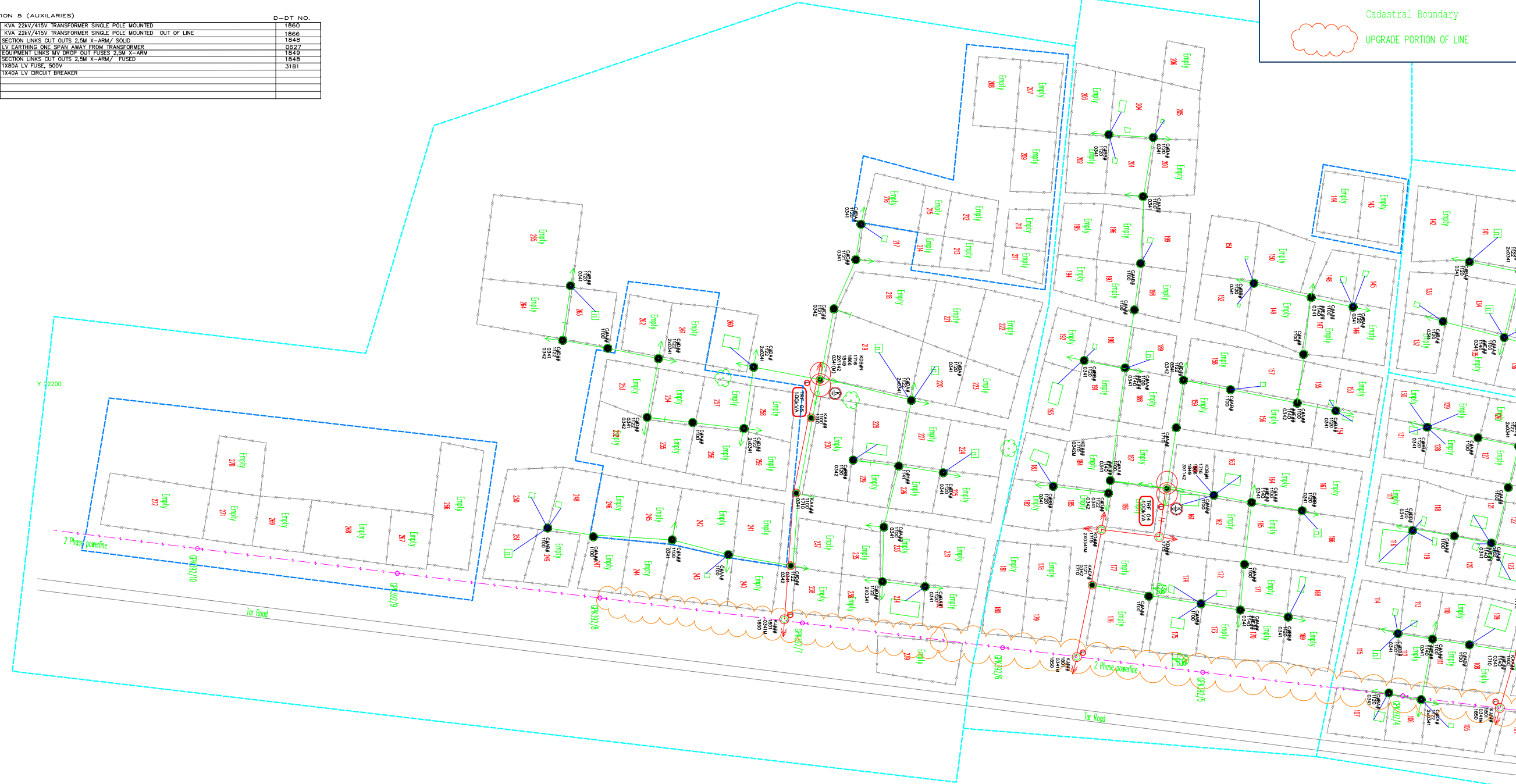
POSITION 4 (POLE TOP BOX)				
				D-DT NO.
A	2-WAY WITH 60A CIRCUIT BREAKER			3055
B	1-4-WAY WITH 60A CIRCUIT BREAKER SPLIT METERING			3055
C	5-8-WAY WITH 60A CIRCUIT BREAKER			3055

POSITION 5 (AUXILIARIES)				
				D-DT NO.
J	KVA 22kV/415V TRANSFORMER SINGLE POLE MOUNTED			1860
N	KVA 22kV/415V TRANSFORMER SINGLE POLE MOUNTED OUT OF LINE			1866
O	SECTION LINKS OUT OUTS 2.5M X-ARM / SOLE			1848
P	LV EARTHING ONE SPAN AWAY FROM TRANSFORMER			0827
I	EQUIPMENT LINKS MV DROP OUT FUSES 2.5M X-ARM			1849
Q	SECTION LINKS OUT OUTS 2.5M X-ARM / FUSED			1848
M	1X80A LV FUSE, 500V			3181
B	1X40A LV CIRCUIT BREAKER			

- Marula Tree (Protected)
- Tree (Not protected)
- Baobab Tree (Protected)
- Shepherd's Tree (Protected)
- Leadwood Tree (Protected)
- Water Tap
- Stay Wire
- Transformer
- MV Electric Powerline
- Fence line
- LV Electric Powerline
- Cadastral Boundary
- UPGRADE PORTION OF LINE

Number of stands = 272 Stands

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
	KICKER POLE (7m)
	LINK/BREAKER/SEC/METER UNIT
	MV & LV FUSES
	CABLE JOINT(MV/LV)
	MV CROSSES FEET / EARTH SPIKE
	LV CROSSES FEET / EARTH SPIKE
	SA
	HIGH MAST
	ABC 35mm 1 PHASE
	ABC 35mm 2 PHASE
	ABC 35mm 3 PHASE
	ABC 70mm 3 PHASE
	LV BARE CONDUCTOR
	F = FOX, G = GOPHER, H = HARE, M = MINK, S = SQUIRREL, W = WOLF, R = RABBIT
	Letter = 1 PHASE 2n = 2 PHASE LETTER = 3n
	M/C CONDUCTOR
	FOX
	RELOCATED MV MINK LINE(SPH)
	MV PHASE/PHASE/G/H/M/S/W
	SERV. CONNECTIONS 10mm
	SERV. CONN. U/G 4/10/16mm
	LV CONDUCTOR PHASING
	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE
	TELKOM LINE
	TELKOM POLE



NO.	DATE	INITIALS	DESCRIPTION
01	09/09/2019	WT	ISSUED FOR TENDER

REVISIONS

CONSULTANT: **HWA ENGINEERS & PROJECT MANAGERS**

CLIENT: **MOGALAKWENA MUNICIPALITY**

PROJECT: **ELECTRIFICATION OF BASOGADI**

TITLE: **MV - LV RETICULATION LAYOUT**

SCALE	CONTRACT NO.
1:1500	

M.T.	DATE	M.C.	APPROVED
SEP 2019		M.C.	

DRAWING NO: 85/LE/RET/002
SHEET 1 OF 2

01