

**POLE CODE LEGEND**

FIVE CHARACTER CAD CODE STRUCTURES		POSITION 3	POSITION 4	POSITION 5
POLE	M.V. STRUT	LV STRUT	POLE TOP BOX	AUXILIARIES
<b>POSITION 1 (POLE)</b>				
c	9M WOODEN POLE (120-139mm)			D-DT NO.
d	9M WOODEN POLE (160-179mm)			0050
k	11M WOODEN POLE (160-179mm)			0055
m	12M WOODEN POLE (180-199mm)			0061
l	11M WOODEN POLE (180-199mm)			0061
n	13M WOODEN POLE (200-219mm)			0053
<b>POSITION 2 (M.V. STRUCTURES WITH STRUTS &amp; STAYS)</b>				
A	INTERM. (0° DEV) STAG VERT 600 SPACING			D-DT NO.
B	STRAIN (30-90° DEVI) VERTICAL SPACING 600			1710
C	STRAIN (0°-30° DEVIATION) VERTICAL 600 SPACING			1715
D	STRAIN (0° DEVIATION) VERTICAL 600 SPACING			1714
E	STRAIN (0° DEVIATION) VERTICAL 600 SPACING			1746
D	STRAIN TERMINAL VERTICAL / 2,5M WOODEN X-ARM			1713
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 4 (POLE TOP BOX)		D-DT NO.
A	2-WAY WITH 50A CIRCUIT BREAKER	3055
B	1-4-WAY WITH 50A CIRCUIT BREAKER SPLIT METERING	3035
C	5-8-WAY WITH 50A 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 / SOLID	1848
P	LV EARTHING ONE SPAN AWAY FROM TRANSFORMER	0637
F	EQUIPMENT LINKS MV DROP OUT FUSES 2,5M X-ARM	1849
O	SECTION LINKS OUT OUTS 2,5M X-ARM / FUSED	1848
M	1180X LV FUSE 500V	3181
B	1X40A LV CIRCUIT BREAKER	

POSITION 3 (LV STRUCTURES WITH STRUTS & STAYS)		D-DT NO.
A	SUSPENSION ASSEMBLY (0-90°) WOOD POLE	1100
K	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	LV STAY ASSEMBLY	0341
L	LV STRUT ASSEMBLY FLAT 45°	0342

Number of stands = 272 Stands

- 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

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 MAIN SUB
	LV, MV & SHARING POLES
	KICKER POLE (7m)
	LINK/BREAKER/SEC/METER UNIT
	MV & LV FUSES
	CABLE JOINT (MV/LV)
	MV CROWS FEET / EARTH SPIKE
	LV CROWS 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
	FOX
	RELOCATED MV MNK 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	REVISIONS

CONSULTANT: HWA ENGINEERS & PROJECT MANAGERS

CLIENT: MOGALAKWENA MUNICIPALITY

PROJECT: ELECTRICIFICATION OF BASOGADI

TITLE: MV - LV RETICULATION LAYOUT

1:1500	SCALE	CONTRACT NO.
M.T	DATE	DESIGNED
SEP 2019	DATE	M.C. APPROVED
BS/ELE/RET/002	DRAWING NO.	REF.
SHEET 2 OF 2		01