excavated area

Number of stands = 191

BLINKWATER No.820-LR

ELECTRIFIED HOUSEHOLDS

Water pipeline

Maleya Secondary School

Soccer field

Sekuruwe clinic

Kgapo shop

Church

Water tank

Communication

Shop

Electrified Block

Electrified

1 Phase HV

LV

Illegal connections (needs to be normalised)

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
	KICKER POLE (DW)
L B S M	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 F - FOX, G - GOPHER, H - HARE, M - MINK, S - SQUIRREL, W - WOLF, R - RABIT 1N - 1 PHASE 2N - 2 PHASE LETTER - 3N
	MV CONDUCTOR FOX
??2N	MV PHASE/PHASE(F/G/H/M/SQ/W)
	SERVICE CONNECTIONS 10MM
	SERV. CONNEC. U/G 4/10/16MM
R/R W/B B/B	LV CONDUCTOR PHASING
R W B	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE
	TELKOM LINE
	TELKOM POLE

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

DIVERT PORTION OF LINE

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	AUXILLARIES

POSITION 1 (POLE)

		D-DT NO.
A	9M WOODEN POLE (120-135MM)	0202
C	9M WOODEN POLE (160-175MM)	0205
K	11M WOODEN POLE (160-175MM)	0251
M	12M WOODEN POLE (180-195MM)	0301
L	11M WOODEN POLE (180-195MM)	0351
N	13M WOODEN POLE (200-215MM)	0353

POSITION 2 (M.V STRUCTURES WITH STRUTS & STAYS)

		D-DT NO.
A	INTERM. 10° DEV. STAD VERT 600 SPACING	1710
B	STRAIN. 120-90° DEV. VERTICAL SPACING 600	1715
C	STRAIN. 10-20 DEVIATION. VERTICAL 600 SPACING	1714
I	STRAIN. 10° DEVIATION. VERTICAL 600 SPACING	1746
D	STRAIN TERMINAL VERTICAL / 2.5M WOODEN X-ARM	1719
E	MV STAY ASSEMBLY	0341
M	MV STRUT ASSEMBLY SWIVEL BRACKET	0351
J	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	1180
B	TERMINAL ASSEMBLY WOOD POLE	1120
C	STRAIN.ASSEMBLY (0-60°) WOOD POLE	1121
D	STRAIN. ASSEMBLY (60-90°) WOOD POLE	1122
G	T-OFF ASSEMBLY FROM INTERMEDIATE WOOD POLE	1142
H	T-OFF ASSEMBLY FROM STRAIN WOOD POLE	1143
I	CROSS INTERMEDIATE/ INTERMEDIATE ASSEMBLY WOOD POLE	1141
J	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

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 (AUXILARIES)

		D-DT NO.
J	KVA 22KV/415V TRANSFORMER SINGLE POLE MOUNTED	1860
N	KVA 22KV/415V TRANSFORMER SINGLE POLE MOUNTED OUT OF LINE	1861
O	SECTION LINKS CUT OUTS 2.5M X-ARM/ SOLID	1848
P	LV EARTHING ONE SPAN AWAY FROM TRANSFORMER	3627
I	EQUIPMENT LINKS MV DROP OUT FUSES 2.5M X-ARM	1849
O	SECTION LINKS CUT OUTS 2.5M X-ARM/ FUSED	1848
M	140AA LV FUSE, 500V	3101
B	140AA LV CIRCUIT BREAKER	

NO	DATE	INITIALS	DESCRIPTION
00			
00	09/09/2019	M.T	ISSUED FOR TENDER

REVISIONS

CONSULTANT

SUPERIOR ENGINEERING (PTY) LTD

CLIENT

MOGALAKWENA MUNICIPALITY

PROJECT

ELECTRIFICATION OF SEKURUWE VILLAGE

TITLE

MV - LV LAYOUT

SCALE	CONTRACT NO.
1:1000	...
DRAWN	DESIGNED
F.H	M.T
DATE	APPROVED
SEP 2019	M.T

TEKENTAU NR. SK/ELE/RET/001 SHEET 1 OF 1

DRAWING NO.

REF. 00