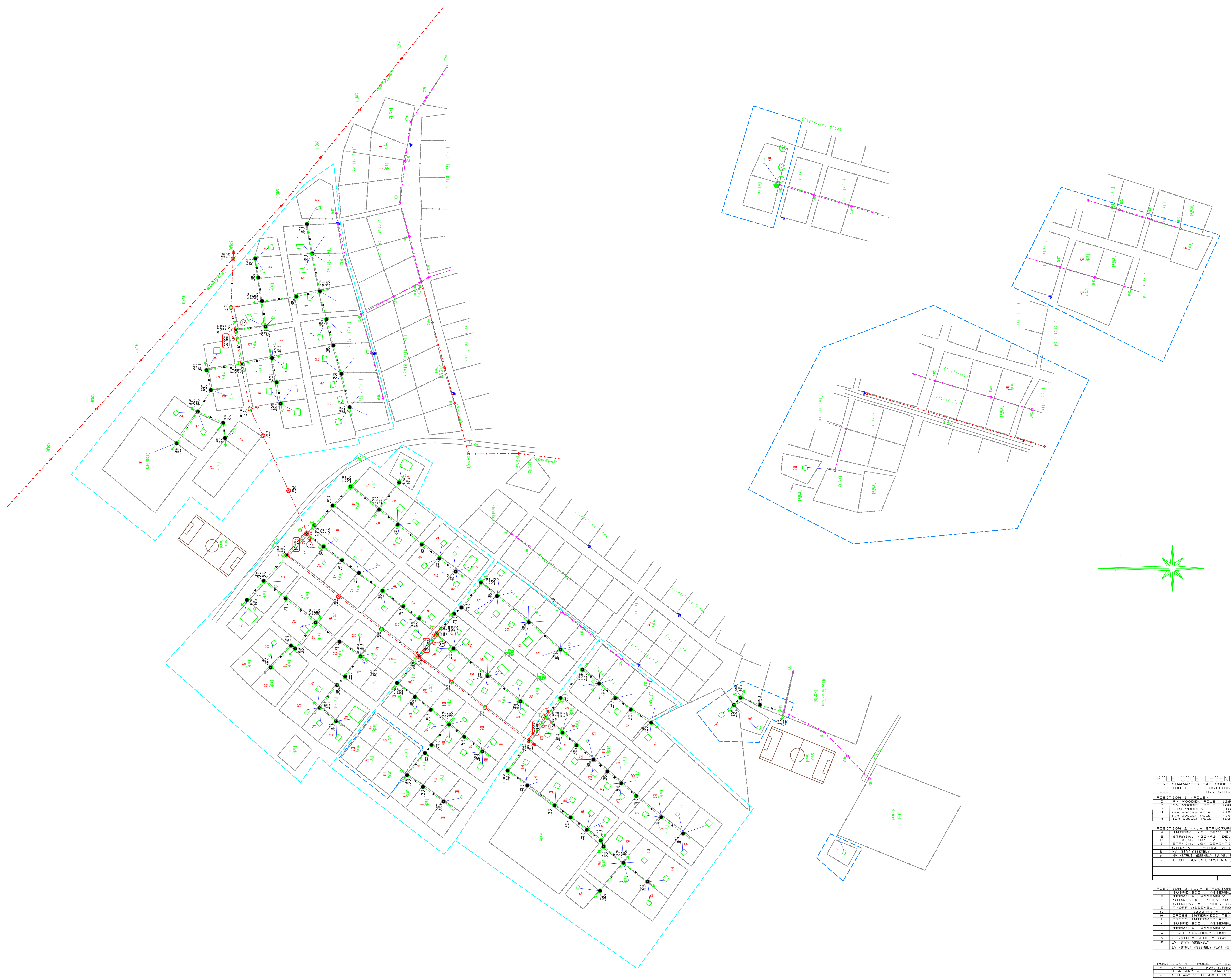
excavated area



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)

		D-DT NO.
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)	0051
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° DEV) 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	1713
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	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	LV STAY ASSEMBLY	0341
L	LV -STRUT ASSEMBLY FLAT 45 °	0342

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	3055
C	5-8 WAY WITH 50A 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	1866
O	SECTION LINKS CUT OUTS 2,5M X-ARM/ SOLID	1848
P	LV EARTHING ONE SPAN AWAY FROM TRANSFORMER	0627
I	EQUIPMENT LINKS MV DROP OUT FUSES 2,5M X-ARM	1849
O	SECTION LINKS CUT 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

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 (7M)
L B S M	LINK/BREAKER/SEC./METER UNIT
	MV & LV FUSES
J J	CABLE JOINT(MV+LV)
K	MV CROWS FEET / EARTH SPIKE
K	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 W B R/W W/B R/B	LV CONDUCTOR PHASING
R W B	POLE BOX PHASE CONNECTION
	STREET LIGHT
	STREET LIGHT CABLE
	TELKOM LINE
	TELKOM POLE

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

REVISIONS

CONSULTANT

SUPERIOR ENGINEERING

SUPERIOR
QUALITY ENGINEERING

CLIENT

MOGALAKWENA MUNICIPALITY

PROJECT

ELECTRIFICATION
OF
SEPARANE VILLAGE

TITLE

MV - LV LAYOUT

SCALE 1:1000	CONTRACT NO. ...
DRAWN F.H	DESIGNED M.T
DATE SEP 2019	APPROVED M.T
TEKENING NR. DRAWING NO. SP/ELE/RET/001 SHEET 1 OF 1	REF. 00