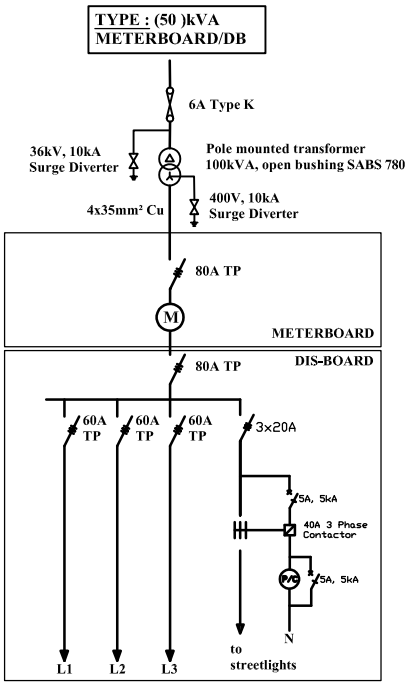
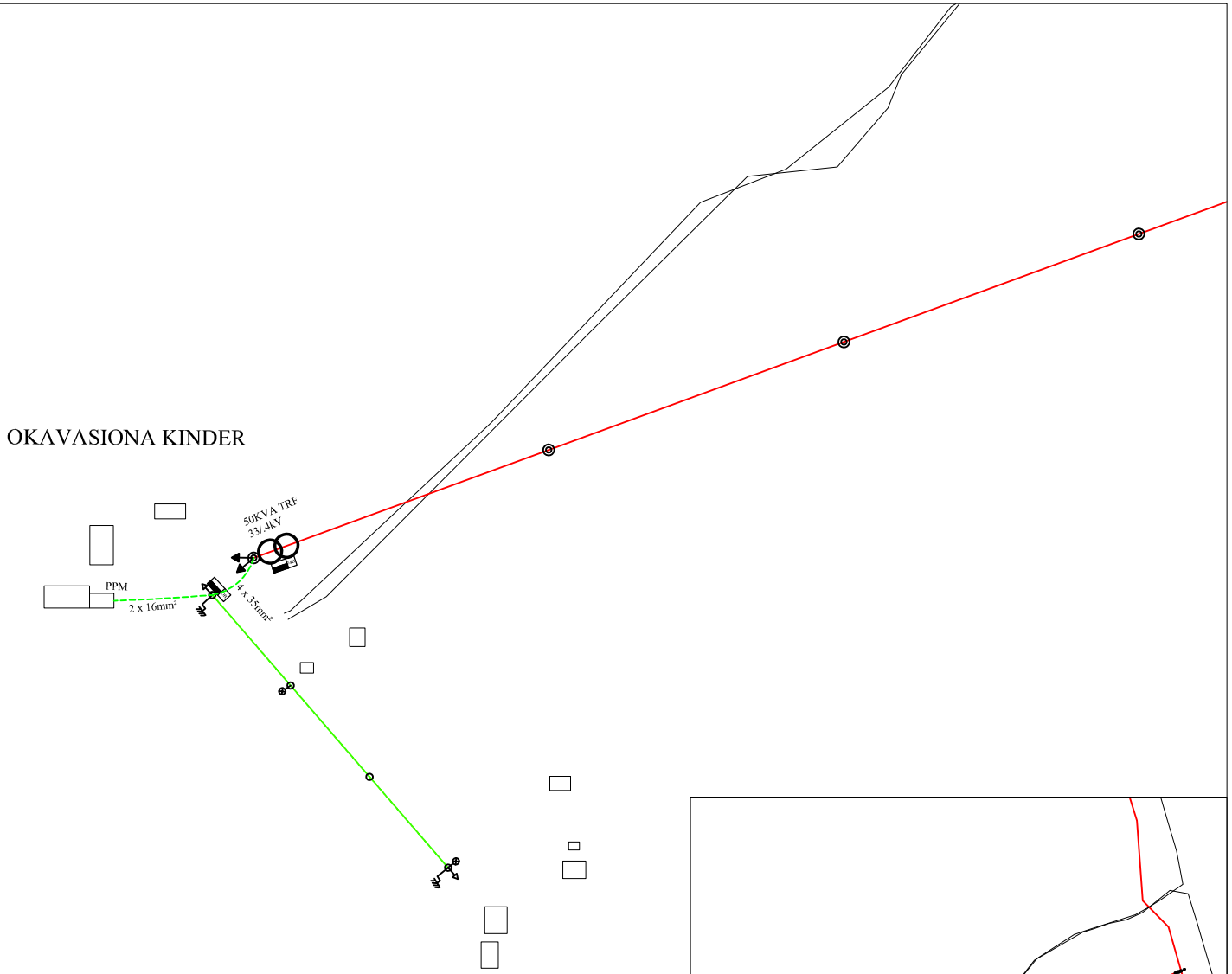
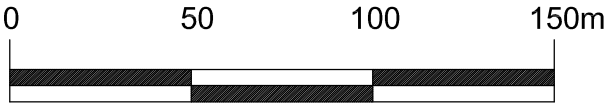
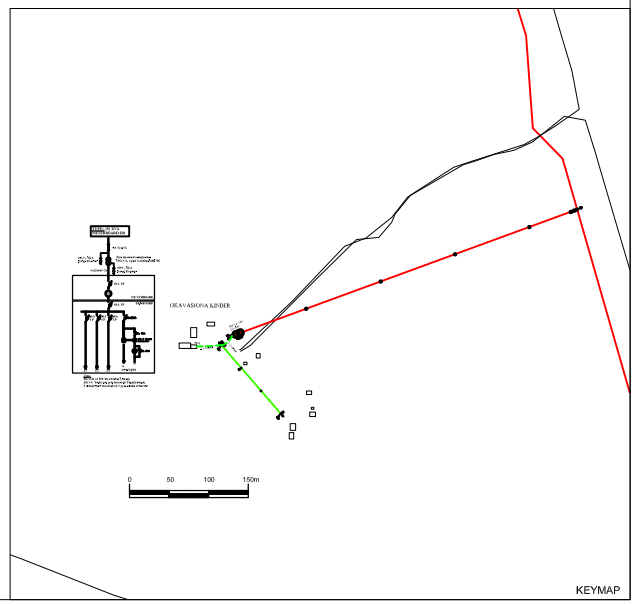


Note:
Bottom of DB mounted at 1.6m agl.
50kVA Trafo are pole mounted Transformers.
Transformer mounted on 2 pole cradle structure.







KEYMAP

LEGEND - URBAN / RURAL

SYMBOL	DESCRIPTION
	RING MAIN UNIT
	TRANSFORMER,POLE/CRADLE/PAD-MOUNTED
	315KVA, 11kV/400V MINISUB
	DISTRIBUTION STATION
	SUBSTATION
	DISTRIBUTION STATION AND SUBSTATION
	DISTRIBUTION METERBOARD / KIOSK
	DISTRIBUTION KIOSK
	DROP OUT FUSE
	LOAD BREAK
	AUTO SECTIONALISER
	LV POLE (9m)
	HV POLE (11m)
	STREET LIGHTS
	STAY ASSEMBLY FOR 11kV LINE
	STAY ASSEMBLY FOR ABC LINE
SP	STRUT POLE
	SURGE DIVERTERS
	POLE EARTHING
	AUTO RECLOSER
	70mm² XLPE 11kV CABLE
	70mm² ABC LINE
	35mm² 400V PVC CABLE
	SERVICE CONNECTION
	KICKER POLE

COORDINATE
TRF: -19.13616; 14.37043

No.	REVISIONS	APP.	DATE

CLIENT

NamPower

APPROVED _____ DATE _____

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Fax: (065) 231980
email:pc@powerconsult.com.na

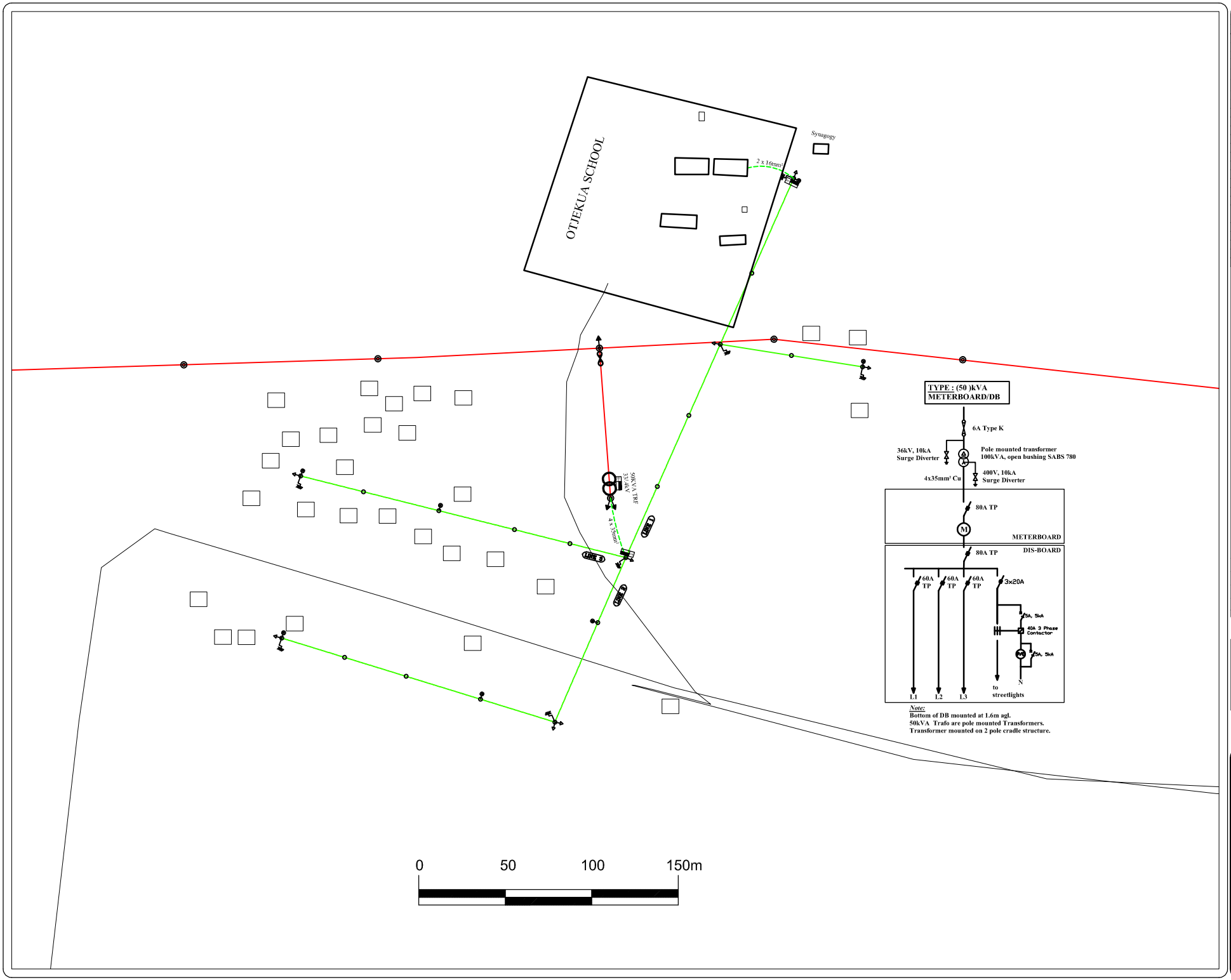
DRAWN	SK	DATE	OCT 2016
DESIGNED:	SA	CHECKED	SA
SCALE	1:1500	REV	00

PROJECT
ELECTRIFICATION OF OKOVASIONA CENTRE
KUNENE REGION

DRAWING TITLE
MEDIUM VOLTAGE, LOW VOLTAGE, STREETLIGHTING AND SERVICE CONNECTIONS RETICULATIONS TENDER DRAWING

CONSULTANT PROJECT NUMBER:
7117

CAD REFERENCE NUMBER:
7117/MV_LV_SL_ee02



LEGEND - URBAN / RURAL

SYMBOL	DESCRIPTION
	RING MAIN UNIT
	TRANSFORMER,POLE/CRADLE/PAD-MOUNTED
	315KVA, 11kV/400V MINI-SUB
	DISTRIBUTION STATION
	SUBSTATION
	DISTRIBUTION STATION AND SUBSTATION
	DISTRIBUTION METERBOARD / KIOSK
	DISTRIBUTION KIOSK
	DROP OUT FUSE
	LOAD BREAK
	AUTO SECTIONALISER
	LV POLE (9m)
	HV POLE (11m)
	STREET LIGHTS
	STAY ASSEMBLY FOR 11kV LINE
	STAY ASSEMBLY FOR ABC LINE
SP	STRUT POLE
	SURGE DIVERTERS
	POLE EARTHING
	AUTO RECLOSER
	70mm² XLPE 11kV CABLE
	70mm² ABC LINE
	35mm² 400V PVC CABLE
	SERVICE CONNECTION
	KICKER POLE

COORDINATE

TRF: -17.65272
14.20726

No.	REVISIONS	APP.	DATE

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DRAWN	SK	DATE	OCT 2016
DESIGNED:	SA	CHECKED	SA
SCALE	1:2000	REV	00

PROJECT

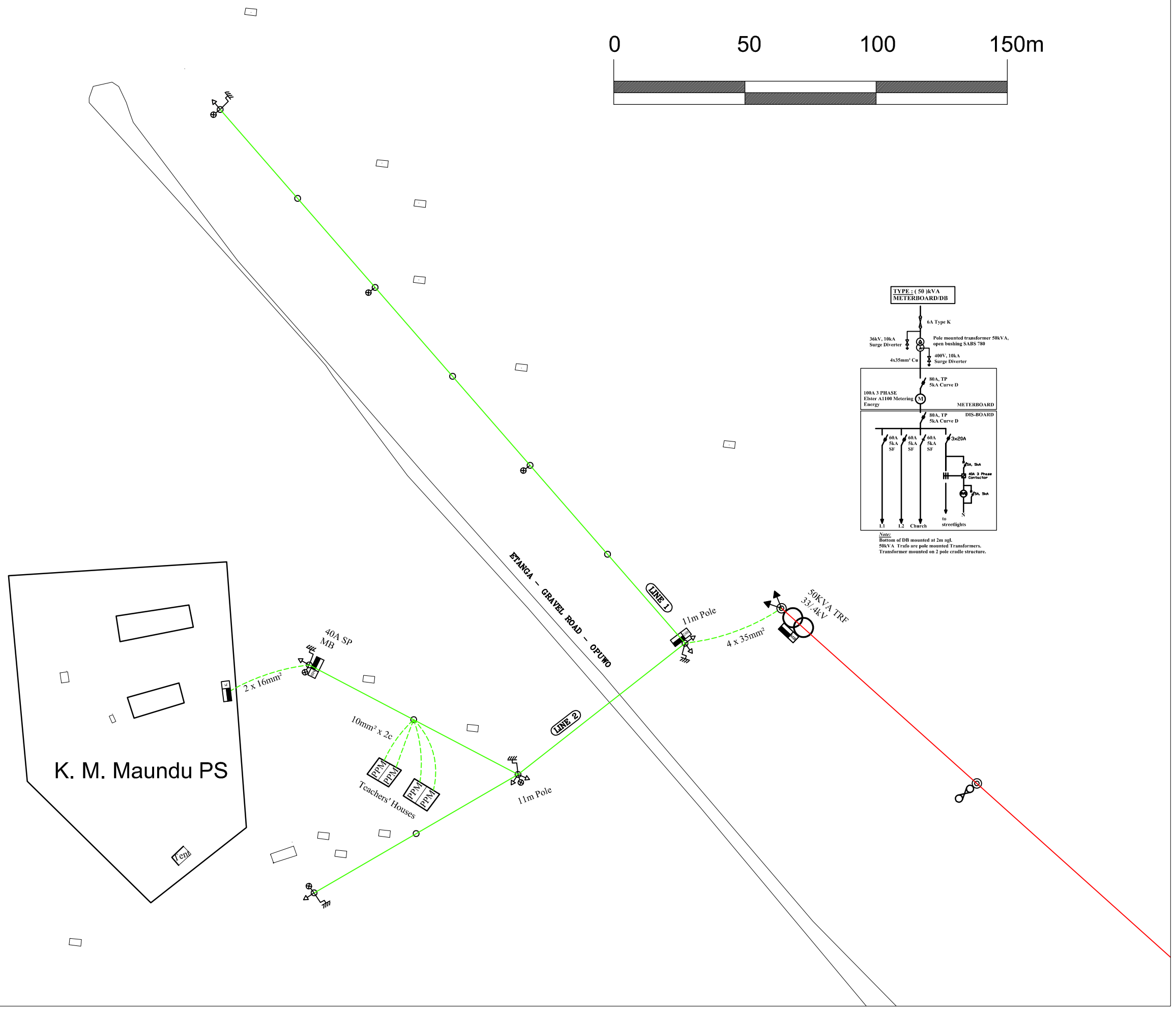
ELECTRIFICATION OF OTJEKUA VILLAGE
KUNENE REGION

DRAWING TITLE

MEDIUM VOLTAGE, LOW VOLTAGE,
STREETLIGHTING AND SERVICE
CONNECTIONS RETICULATIONS
TENDER DRAWING

CONSULTANT PROJECT NUMBER:
7117

CAD REFERENCE NUMBER:
7117/MV_LV_SL_ee01



LEGEND

SYMBOL	DESCRIPTION	QTY
	11/0.4kV TRANSFORMER	
	DISTRIBUTION METER BOARD	
	DISTRIBUTION INDEX	
	PRE-PAYMENT METERS	
	DROP OUT FUSE	
	LV POLE (9m)	
	HV POLE (11m)	
	STREET LIGHT AS SPECIFIED	
	STAY ASSEMBLY FOR 11kV LINE	
	STAY ASSEMBLY FOR ABC LINE	
	STRUT POLE	
	SURGE DIVERTER	
	EARTH SPIKE	
	HV OVERHEAD LINE	
	400V ABC LINE	
	400V LV UNDERGROUND CABLE	
	ARRAC	

STRUCTURAL SYMBOLS

	CLINIC		HOME STEAD
	CHURCH		DWA PUMP STATION
	SCHOOL		SUGA SHOP
	BRICK HOUSE		

NOTE:
1. ALL ABC CONDUCTOR USED: 70mm² x 3 + N + SL
2. ABC RULING SPAN - 45m

T N

GPS COORDNATES
WGS 84
S 17.94044
E 13.39181

No.	REVISIONS	APP.	DATE

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DRAWN	SK	DATE	MAY 2018
DESIGNED	SK	CHECKED	SA
SCALE	1:1500	REV	00

PROJECT

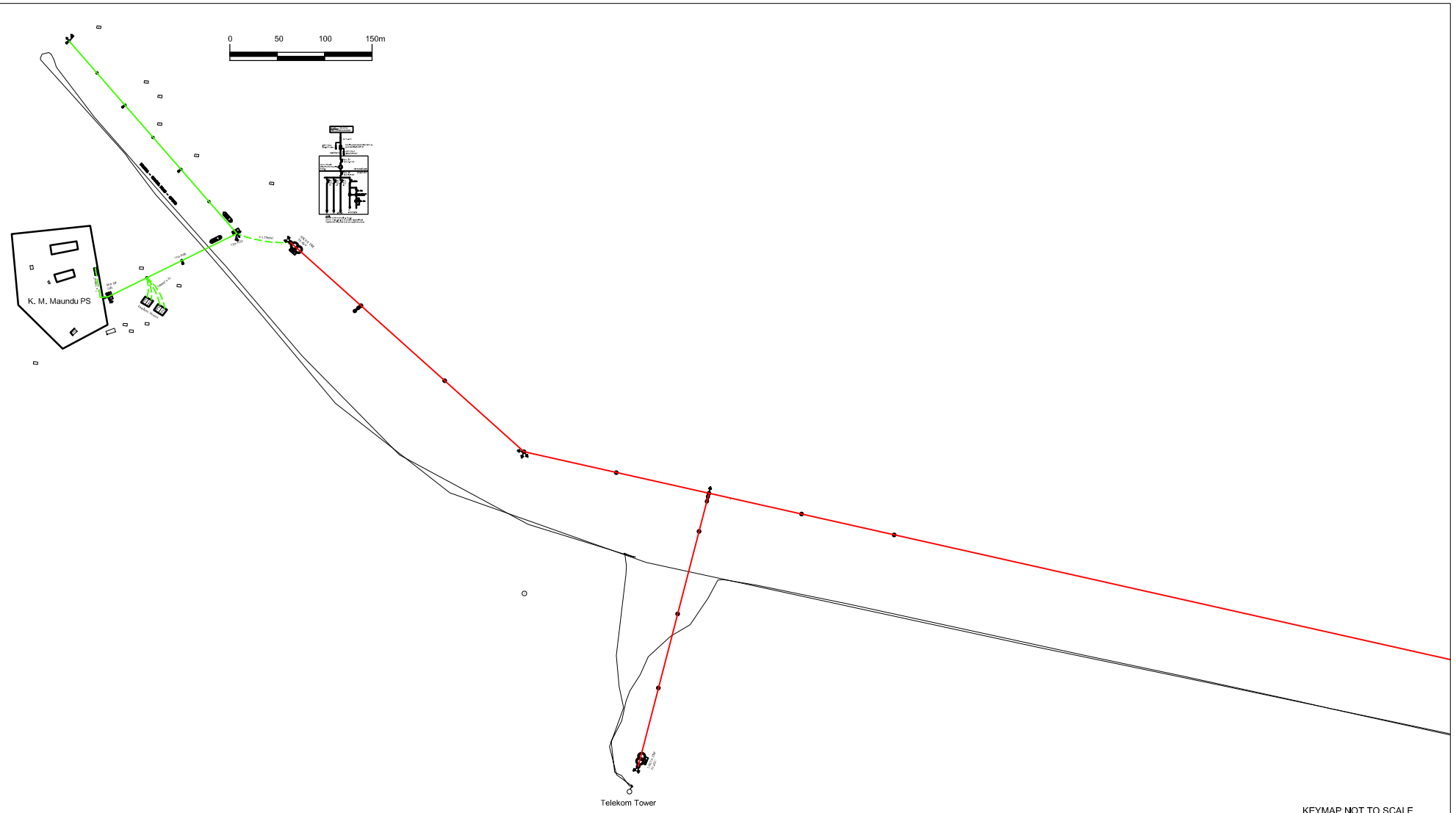
ELECTRIFICATION OF OTJIWERO VILLAGE IN KUNENE REGION

DRAWING TITLE

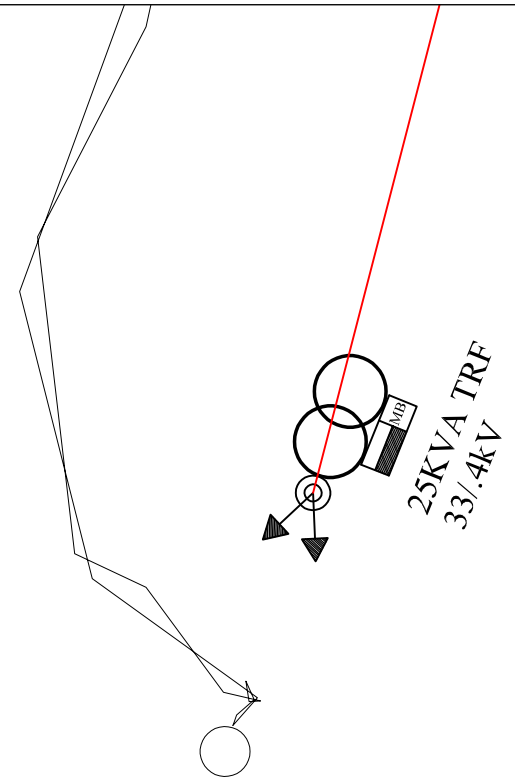
EPUPA CONSTITUENCY
OTJIWERO VILLAGE
TENDER DRAWING

POWER CONSULT PROJECT NUMBER:
7119A

CAD REFERENCE NUMBER:
7119A/Otjiwero Village_ee01



KEYMAP NOT TO SCALE



Telekom Tower

LEGEND

SYMBOL	DESCRIPTION	QTY
	11/0.4kV TRANSFORMER	
	DISTRIBUTION METER BOARD	
	DISTRIBUTION INDEX	
	PRE-PAYMENT METERS	
	DROP OUT FUSE	
	LV POLE (9m)	
	HV POLE (11m)	
	STREET LIGHT AS SPECIFIED	
	STAY ASSEMBLY FOR HTLV LINE	
	STAY ASSEMBLY FOR ABC LINE	
	STRUT POLE	
	SURGE DIVERTOR	
	EARTH SPIKE	
	HV OVERHEAD LINE	
	400V ABC LINE	
	400V LV UNDERGROUND CABLE	
	ARPAC	

STRUCTURAL SYMBOLS

	CLINIC		HOMESTEAD
	CHURCH		DWA PUMP STATION
	SCHOOL		SUGA SHOP
	BRICK HOUSE		

NOTE:
1. ALL ABC CONDUCTOR USED: 70mm² x 3 + N + SL
2. ABC RULING SPAN - 45m

T N

GPS COORDNATES
WGS 84
S 17.94576
E 13.39512

No.	REVISIONS	APP.	DATE

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DRAWN	SK	DATE	MAY 2018
DESIGNED	SK	CHECKED	SA
SCALE	1:2000	REV	00

PROJECT

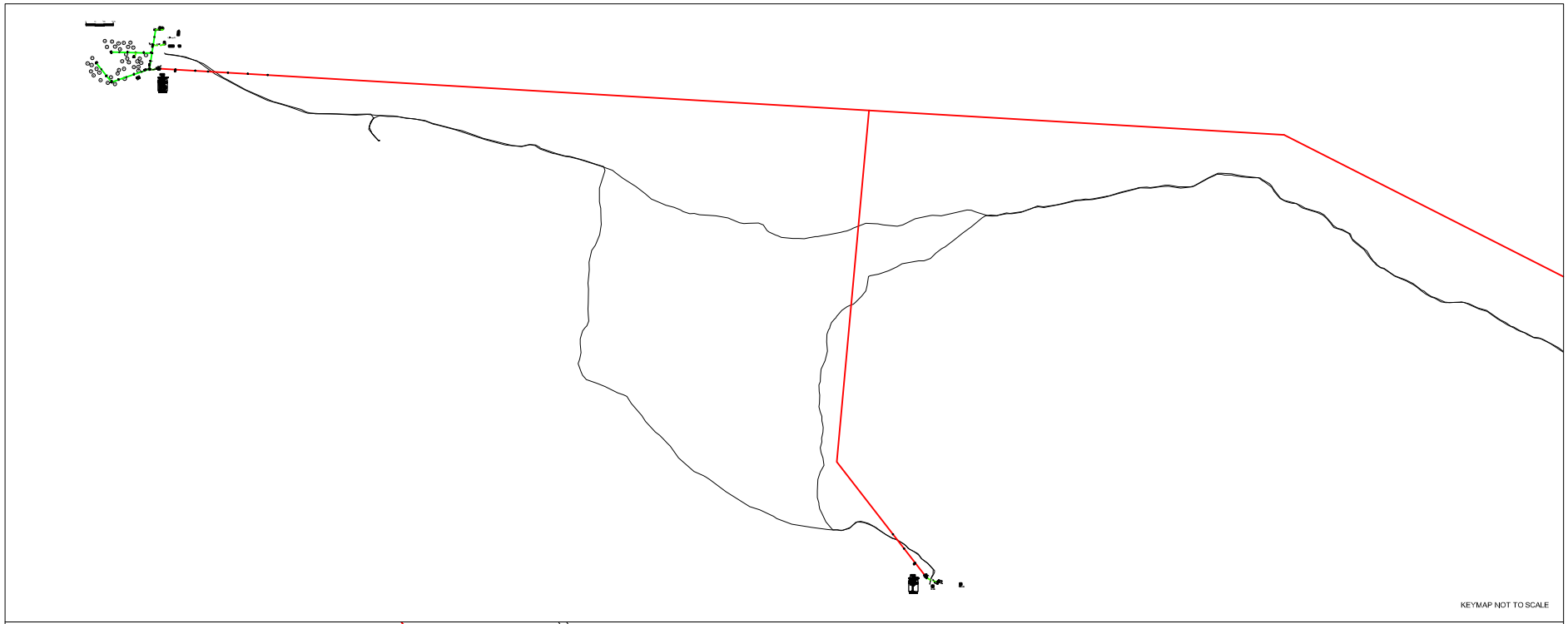
ELECTRIFICATION OF OTJIWERO VILLAGE IN KUNENE REGION

DRAWING TITLE

EPUPA CONSTITUENCY
OTJIWERO TELEKOM TOWER
TENDER DRAWING

POWER CONSULT PROJECT NUMBER:
7119A

CAD REFERENCE NUMBER:
7119A/Otjiwero Telekom Tower_ee02



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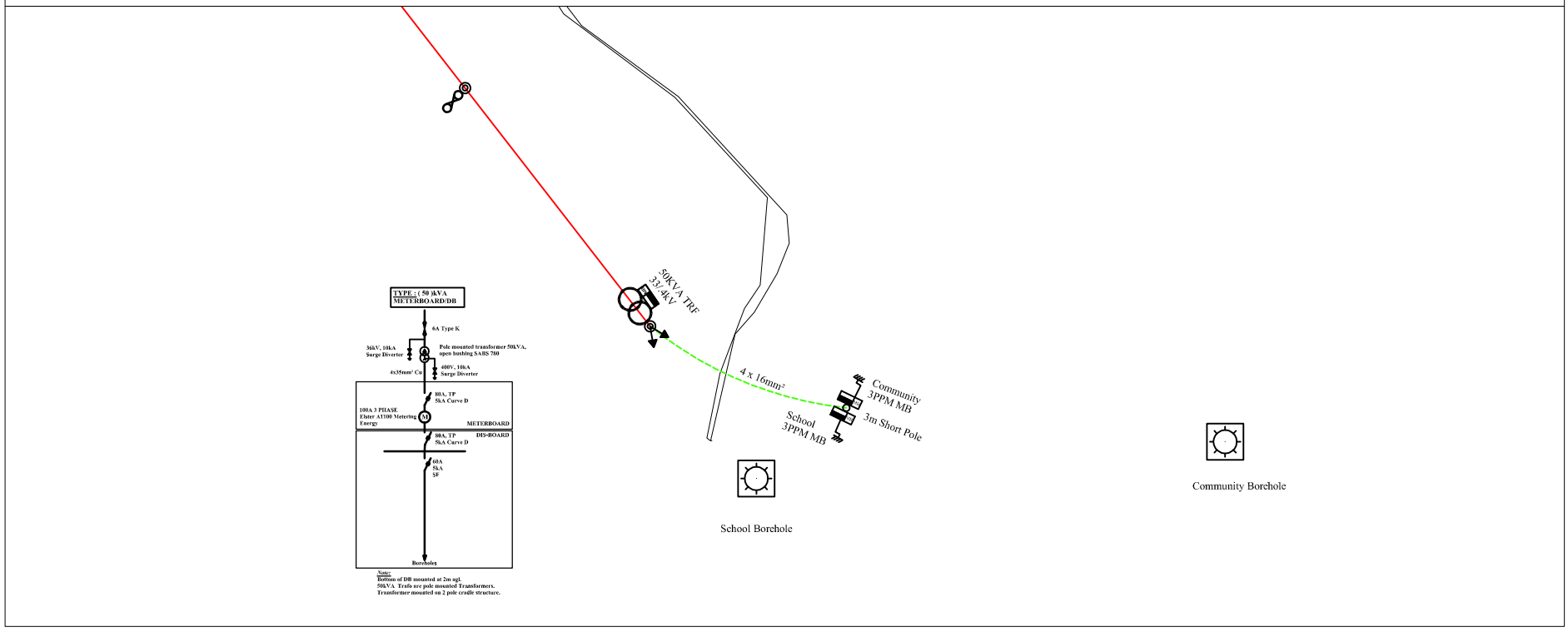

LEGEND

SYMBOL	DESCRIPTION	QTY
	11 KV/0.4 TRANSFORMER	
	11 KV/0.4 TRANSFORMER BANK	
	11 KV/0.4 TRANSFORMER	
	11 KV/0.4 TRANSFORMER	
	11 KV CUT OUT	
	11 KV LINE TAP	
	11 KV LINE TAP	
	STREET LIGHT AC SELECTRIC	
	STAY ASSEMBLY FOR TERMINAL	
	STAY ASSEMBLY FOR MID LINE	
	SPUN POLE	
	SUPPORT BRACKET	
	EARTHING	
	11 KV CABLE	
	400 V ABC	
	400 V ABC DEPICTED CABLE	
	OTHER	

STRUCTURAL SYMBOLS

	CLINIC		HOMESTEAD
	CHURCH		PUMP STATION
	SCHOOL		CLOCK SHOP
	BRICK HOUSE		

NOTE:

1. ALL ABC CONDUCTOR USED: 70mm² x 3 + N + SL
2. ABC RULING SPAN - 45m

T N

GPS COORDNATES
WGS 84
S 17.37412
E 13.03322

NO	REVISIONS	APP	DATE

CLIENT

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DRAWN	SK	DATE	MAR 2019
DESIGNED	SK	CHECKED	SA
SCALE	1:2000	REV	00

PROJECT

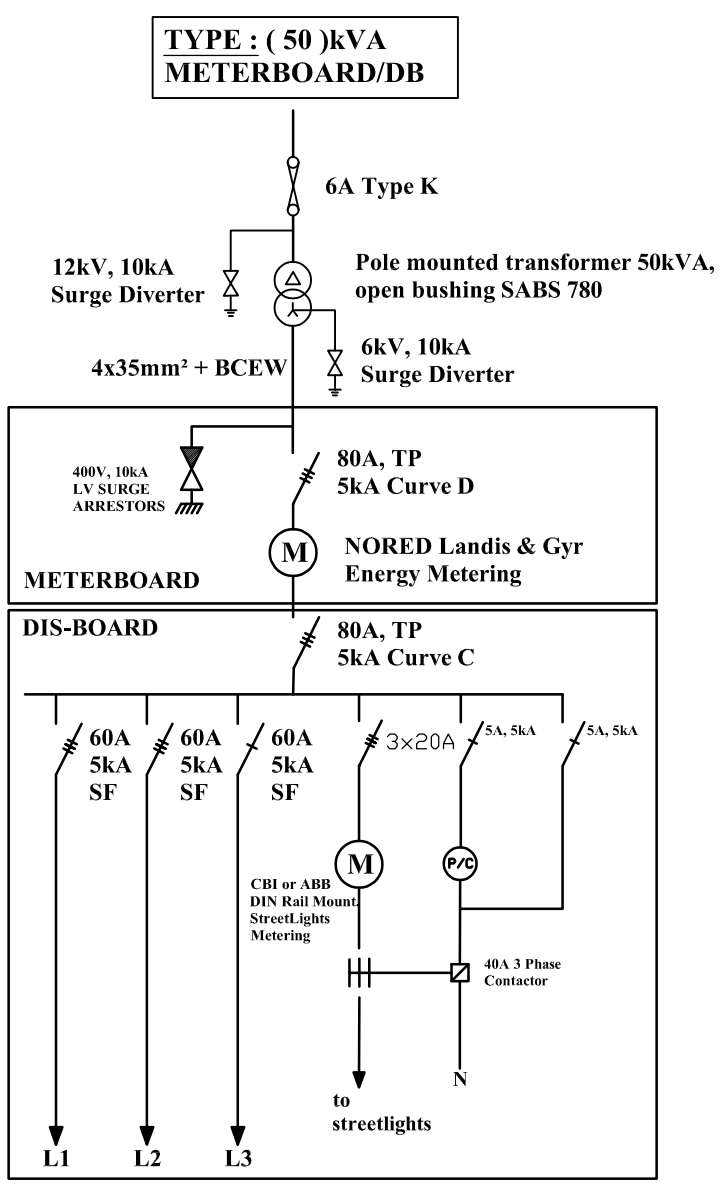
ELECTRIFICATION OF OTJIKOYO VILLAGE IN KUNENE REGION

DRAWING TITLE

EPUPA CONSTITUENCY
OTJIKOYO VILLAGE
TENDER DRAWING

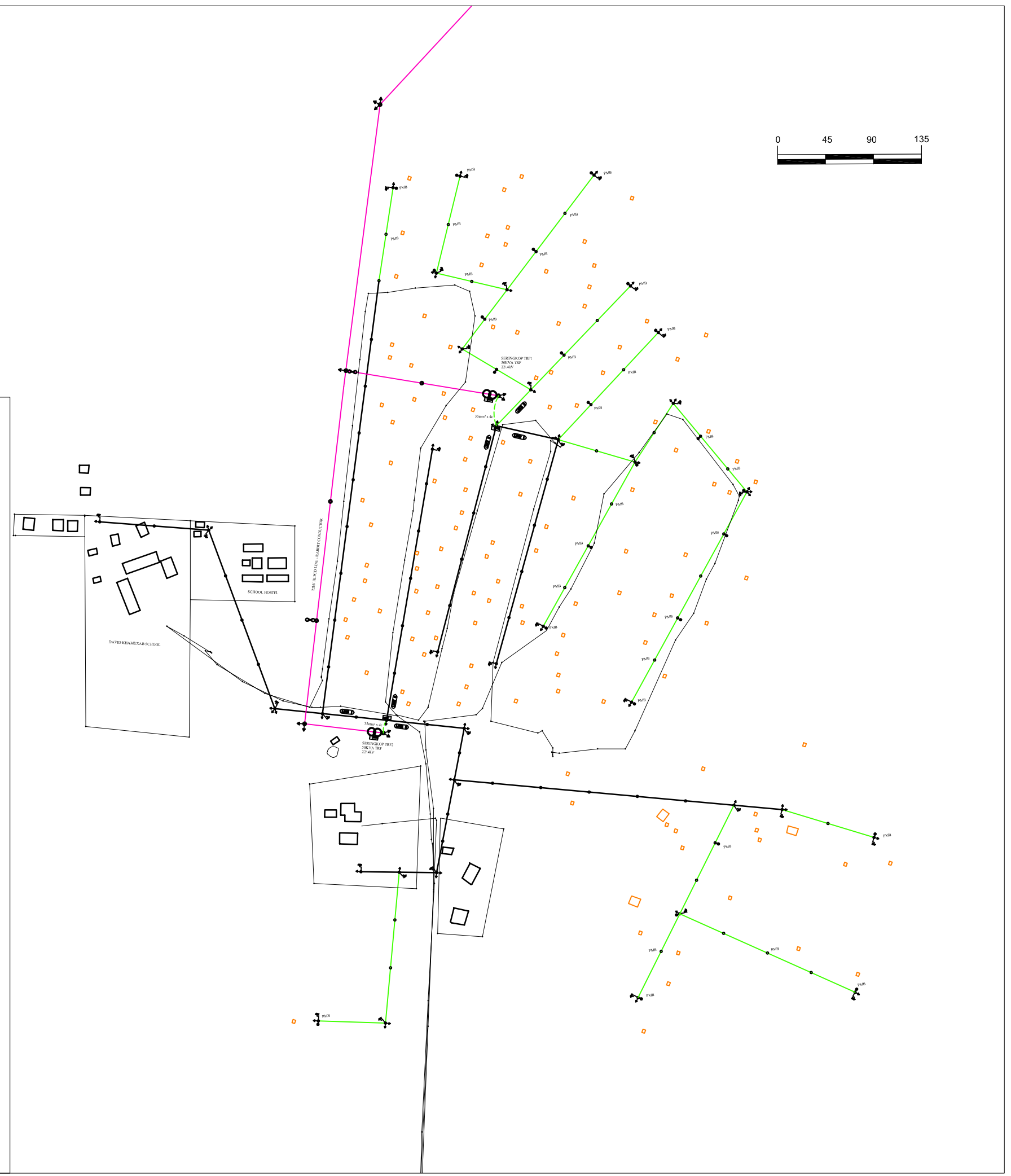
CONSULTANT PROJECT NUMBER
7120

CAD REFERENCE NUMBER
7120/Otjikoyo Boreholes_ee02



Note:

Bottom of DB mounted at 1.6m agl.
50kVA Trafo are pole mounted Transformers.
Transformer mounted on 2 pole cradle structure.



LEGEND

SYMBOL	DESCRIPTION	QTY
	HV/MV DISTRIBUTOR	
	DISTRIBUTION METER BOXES	
	DISTRIBUTION BOX	
	PRE-PAYMENT METERS	
	DROP OUT FUSE	
	LV POLE (9m)	
	HV POLE (12m)	
	STAYS TYPE 1 (SINGLE)	
	STAY ASSEMBLY FOR 1ABC CABLE	
	STAY ASSEMBLY FOR 4ABC CABLE	
	SPLIT POLE	
	SURGE DIVERTOR	
	EARTHSPIKE	
	HV CLEARED CABLE	
	ACSR 4ABC CABLE	
	1x16mm ACSR ABC CABLE	
	ACSR LV UNDERGROUND CABLE	
	ABSC	
	2m PREC POLE	

STRUCTURAL SYMBOLS

	CLINIC		HOMESTEAD
	CR-PCP		DWA PUMP STATION
	SCPOOL		CLOA SPCP
	PRIV. POLE		

NOTE:

1. ALL ABC CONDUCTOR USED: 70mm² x 3 + N + SL
2. ABC RULING SPAN - 45m

T N

GPS COORDNATES
WGS 84
S 19.43364
E 16.03078

No.	REVISIONS	APP.	DATE

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DRAWN	SK	DATE	NOV 2021
DESIGNED	SA	CHECKED	SA
SCALE	1:400	REV	00

PROJECT

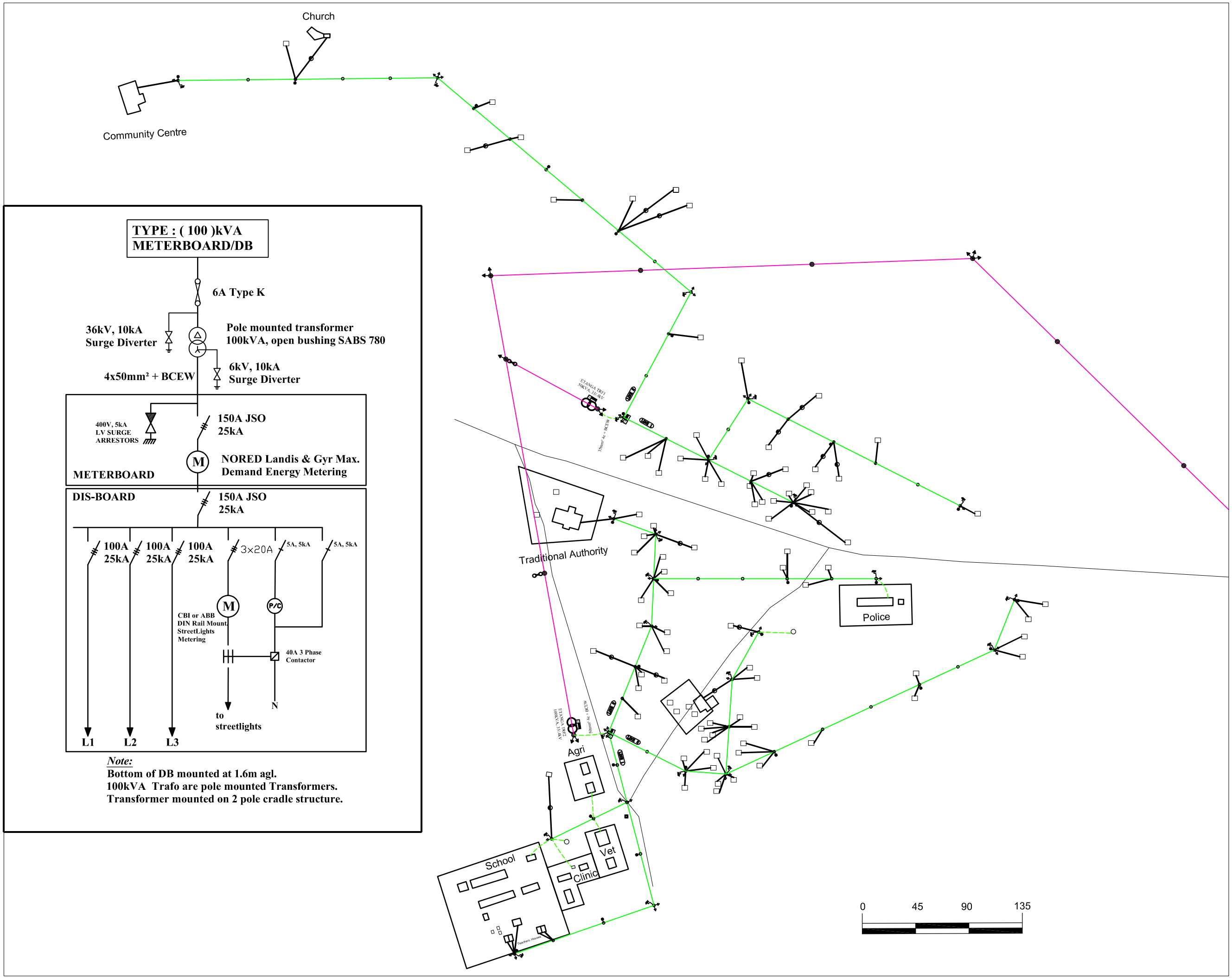
ELECTRIFICATION OF SERINGKOP EXTENSION IN KUNENE REGION

DRAWING TITLE

OUTJO CONSTITUENCY
SERINGKOP VILLAGE
BID DRAWING

CONSULTANT PROJECT NUMBER:
7125

CAD REFERENCE NUMBER:
7125/Seringkop Village_ee01



Note:
Bottom of DB mounted at 1.6m agl.
100kVA Trafo are pole mounted Transformers.
Transformer mounted on 2 pole cradle structure.

LEGEND

SYMBOL	DESCRIPTION	QTY
	6.6kV TRANSFORMER	
	DISTRIBUTION METER BOARD	
	DISTRIBUTION BOX	
	PRE-PAYMENT METERS	
	DROP OUT FUSE	
	11 POLE (9m)	
	9m POLE (7m)	
	STREET LIGHTS SPECIFIED	
	STAY ASSEMBLY FOR 11 POLE	
	STAY ASSEMBLY FOR 9m POLE	
	STRUT POLE	
	SURGE ARRESTOR	
	EARTH SPIKE	
	11kV OVERHEAD LINE	
	400V ABC LINE	
	400V UNDERGROUND CABLE	
	BREAK	
	TWINSTAY POLE	

STRUCTURAL SYMBOLS

	CLINIC		HOMESTEAD
	CHURCH		DWA PUMP STATION
	SCHOOL		SHOP
	BRICK HOUSE		

NOTE:
1. ALL ABC CONDUCTOR USED: 70mm² x 3 + N + SL
2. ABC RULING SPAN - 45m

T N

GPS COORDNATES
WGS 84
S 17.86634
E 13.02566

No.	REVISIONS	Appr.	DATE

CLIENT

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Fax: +264 65 231 980 • E-mail: pc@powerconsult.com.na

DRAWN	SK	DATE	SEP 2020
DESIGNED	SA	CHECKED	SA
SCALE	1:3000	REV	00

PROJECT

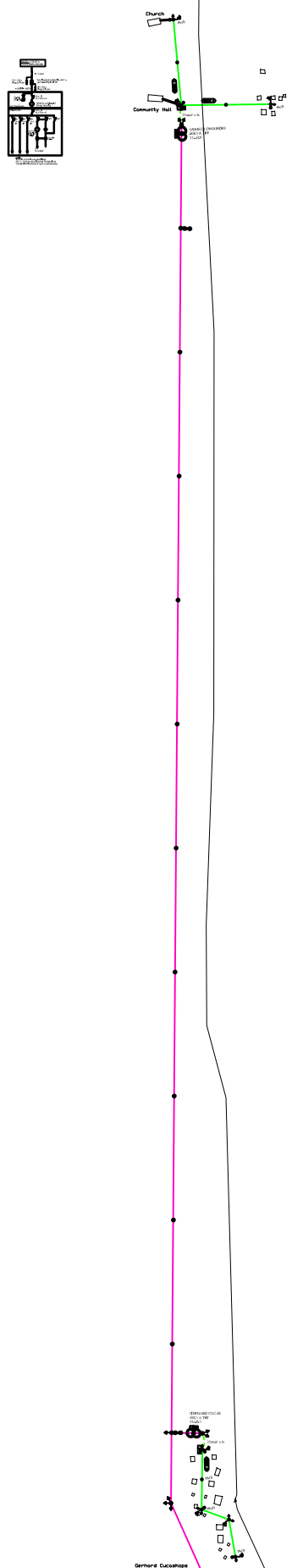
ELECTRIFICATION OF ETANGA VILLAGE
IN KUNENE REGION

DRAWING TITLE

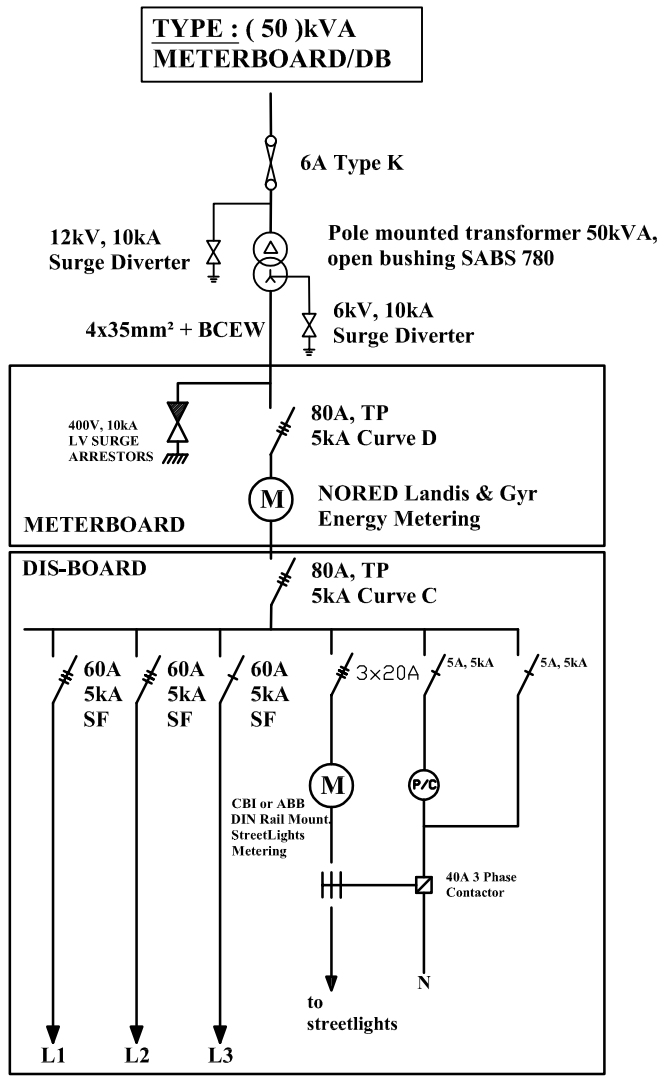
EPUPA CONSTITUENCY
ETANGA VILLAGE
BID DRAWING

CADD PROJECT NUMBER:
7123

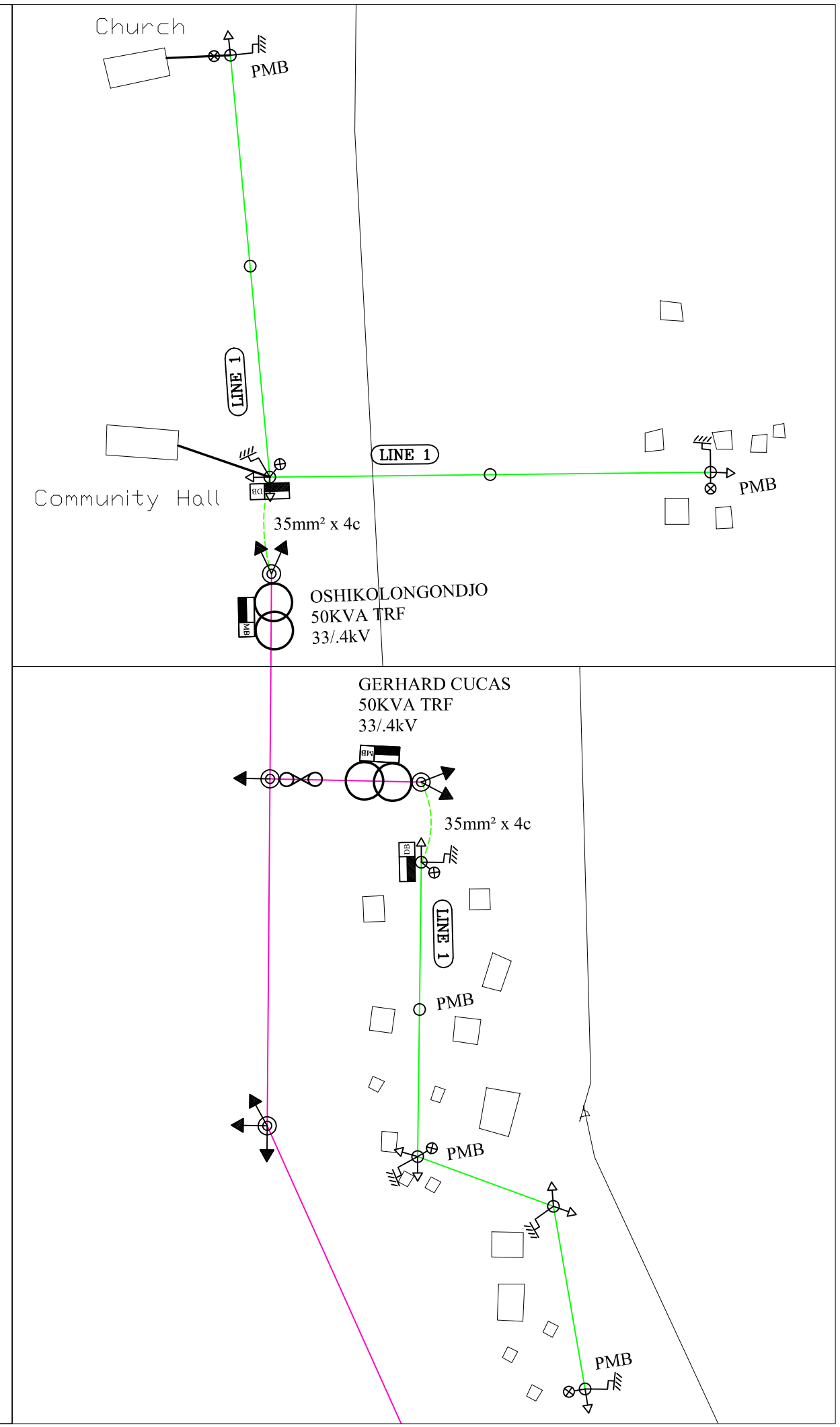
CADD FILENAME NUMBER:
7123/Etanga Village_ee01



KEYMAP



Note:
Bottom of DB mounted at 1.6m agl.
50kVA Trafo are pole mounted Transformers.
Transformer mounted on 2 pole cradle structure.



LEGEND

SYMBOL	DESCRIPTION	QTY
	HIGH-LOW TRANSFORMER	
	UNDERBUILT METER BOARD	
	UNDERBUILT MCB	
	UNDERBUILT BUSBAR	
	HIGH-LOW FUSE	
	LV POLE (9m)	
	MV POLE (11m)	
	STREET LIGHT ON STRUTS	
	STAY ASSEMBLY FOR LINE LINE	
	STAY ASSEMBLY FOR ABC LINE	
	STREET POLE	
	SURGE ARRESTOR	
	EARTHING	
	MV CONDUCTOR LINE	
	ACCA ABC LINE	
	ACCA LV UNDERGROUND CABLE	
	OPENING	

STRUCTURAL SYMBOLS

	CLINIC		HOMESTEAD
	CHURCH		DWA PUMP STATION
	SCHOOL		CUCA SHOP
	BRICK HOUSE		

NOTE:
1. MV CONDUCTOR TO BE USED IS RABBIT
2. ALL ABC CONDUCTOR USED: 70mm² x 3 + N + SL
3. ABC RULING SPAN - 45m

T N

GPS COORDNATES
WGS 84
S 17.93347
E 15.64516

No.	REVISIONS	APP.	DATE

CLIENT

APPROVED _____ DATE _____

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DRAWN	SK	DATE	NOV 2021
DESIGNED	SA	CHECKED	SA
SCALE	1:100	REV	00

PROJECT

ELECTRIFICATION OF GROWTH CENTERS IN OSHANA REGION - 2021/2022

DRAWING TITLE

OSHAKATI WEST CONSTITUENCY
OSHIKOLONGONDJO VILLAGE
BID DRAWING

CONSULTANT PROJECT NUMBER:
7126

CAD REFERENCE NUMBER:
7126/Oshikolongondjo Village_ee01