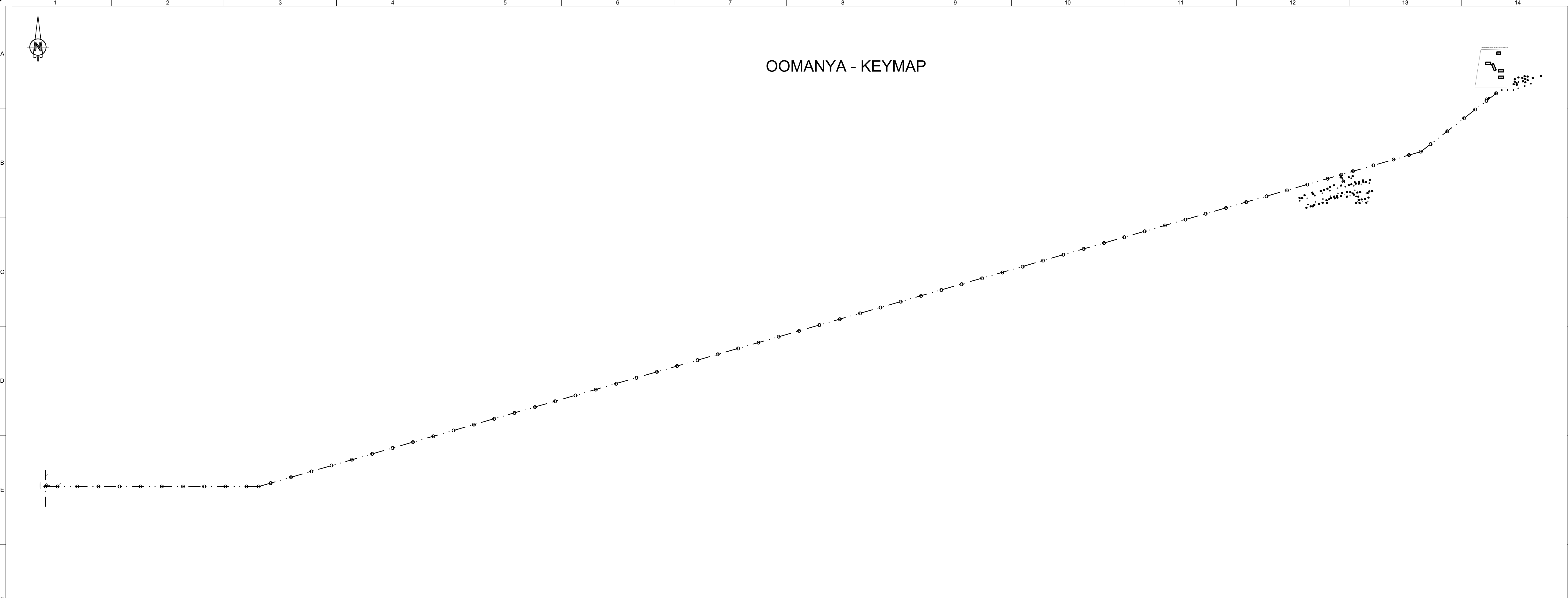


# OOMANYA - KEYMAP



**General notes:**

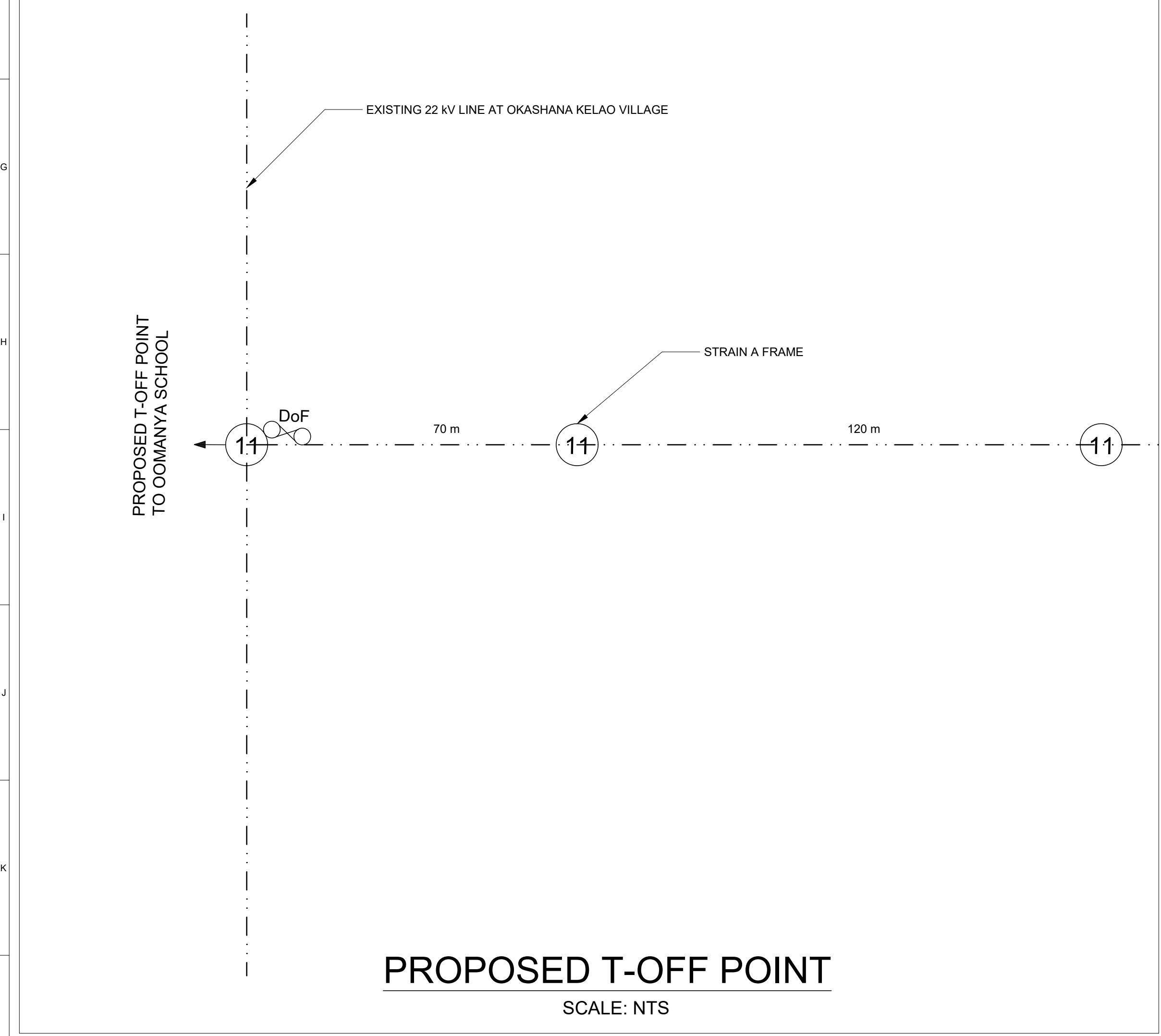
- No part of this drawing must be scaled.
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- All work to be generally in accordance with the provisions of the relevant Portions of SANS 10142-01, 02 and other relevant standards.

**RECORD DRAWING**  
This drawing has been prepared from the information available on the date hereof, but all information shown will have to be verified on site

for Lithon Project Consultants (Pty)Ltd	for _____
Date _____	Date _____

**FOR RECORD**

No	Date	Revision	Initial
1	14/04/2023	For Record	OS
0	16/12/2021	For Construction	OS



**PROPOSED T-OFF POINT**  
SCALE: NTS

**TRANSFORMER COORDINATES**

TRANSFORMER ID	COORDINATE
TRF 1	S: -18.229773° E: 16.731225°
TRF 2	S: -18.229947° E: 16.738173°

**T-OFF COORDINATES**

FROM	COORDINATE
AT OKASHANA KELAO VILLAGE	S: -18.238262° E: 16.668193°
LINE TO OOMANYA SCHOOL	S: -18.229413° E: 16.731258°

**BENDS COORDINATES**

BEND ID	COORDINATE
B1	S: -18.238060° E: 16.658617°
B2	S: -18.238931° E: 16.669291°
B3	S: -18.229208° E: 16.729666°
B4	S: -18.229645° E: 16.733037°

SYMBOL	DESCRIPTION	QTY.
	POLE MOUNTED TRANSFORMER AS SPECIFIED	2
	POLE MOUNTED METER BOARD	2
	POLE MOUNTED ABC CONTROL BOARD AND POLY BOX	11
	MEDIUM VOLTAGE OVERHEAD LINE - RABBIT CONDUCTOTS	±9 km
	400V, 70mm² x 3 + 54.5mm² X 1 + 25mm² x 1, ABC OHL	630m
	STAY ASSEMBLY FOR BOTH ABC & MV-OHL	17
	LV POLE EARTHING (NEUTRAL EARTHING POINTS)	6
	11m MV POLE, 160-180mmØ POLE TOP	78
	9m LV POLE, 140-160mmØ POLE TOP	16
	12 WAY WEATHER PROOF DISTRIBUTION KIOSK	1
	STREETLIGHT 100W HPS FITTING WITH MCB INCLUDING LAMP	7

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Designed: O. Shavuka  
Checked: S. Shifidi  
Approved for Lithon: \_\_\_\_\_

Surveyed: ...  
Drawn: L. Shipingana  
Approval Date: \_\_\_\_\_

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PO Box 2884  
Windhoek  
Namibia

Approved for Client: \_\_\_\_\_  
Approval Date: \_\_\_\_\_

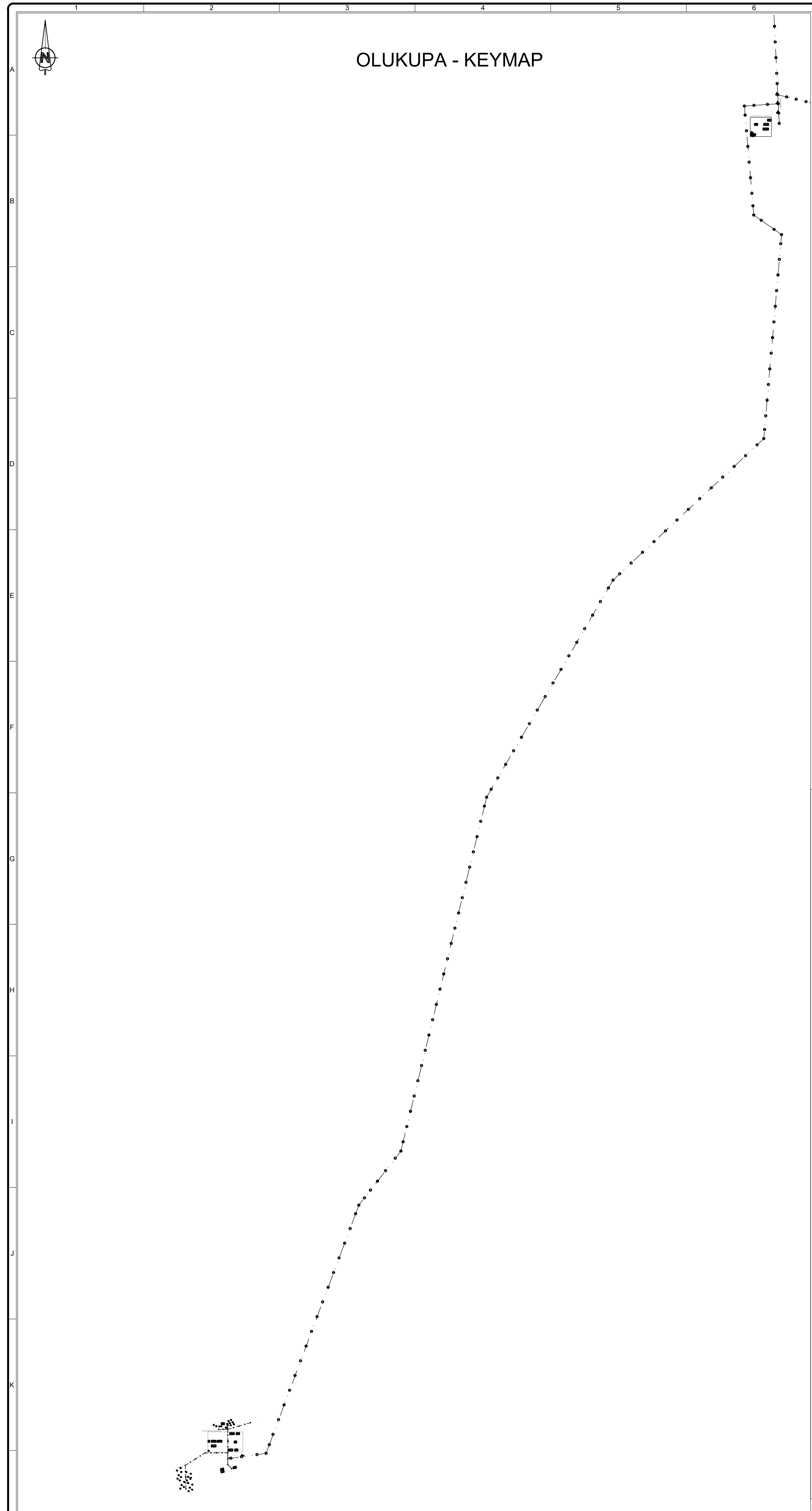
Project:  
**NAMPOWER RURAL ELECTRIFICATION**

Drawing Title:  
**OOMANYA T-OFF & KEYMAP LAYOUT**

Date of Issue: 06/10/2020  
Scale: AS SHOWN

Drawing No.: **P1787-E-501**  
Revision: **1**

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OLUKUPA - KEYMAP

T-OFF COORDINATES	
FROM	COORDINATE
HELAO NAFIDI SCHOOL	S: -17.723756° E: 17.162473°

TRANSFORMER COORDINATES	
TRANSFORMER ID	COORDINATE
TRF 1	S: -17.817213° E: 17.123797°

BENDS COORDINATES	
FROM	COORDINATE
B1	S: -17.723875° E: 17.160025°
B2	S: -17.731264° E: 17.161671°
B3	S: -17.733348° E: 17.162804°
B4	S: -17.744680° E: 17.154407°
B5	S: -17.754599° E: 17.143398°
B6	S: -17.770608° E: 17.136424°
B7	S: -17.795704° E: 17.135403°
B8	S: -17.799805° E: 17.132925°
B9	S: -17.816959° E: 17.126387°

SYMBOL	DESCRIPTION	QTY.
	POLE MOUNTED TRANSFORMER AS SPECIFIED	1
	POLE MOUNTED METER BOARD	-
	POLE MOUNTED ABC CONTROL BOARD AND POLYBOX	9
	MEDIUM VOLTAGE OVERHEAD LINE - RABBIT CONDUCTORS	±12.022km
	400V, 70mm² x 3 + 54.5mm² X 1 + 25mm² x 1, ABC OHL	1200m
	STAY ASSEMBLY FOR BOTH ABC & MV-OHL	25
	LV POLE EARTHING (NEUTRAL EARTHING POINTS)	13
	11m MV POLE, 160-180mmØ POLE TOP	122
	9m LV POLE, 140-160mmØ POLE TOP	27
	STREETLIGHT 100W HPS FITTING WITH MCB INCLUDING LAMP	9
	12 WAY WEATHER PROOF DISTRIBUTION KIOSK	2

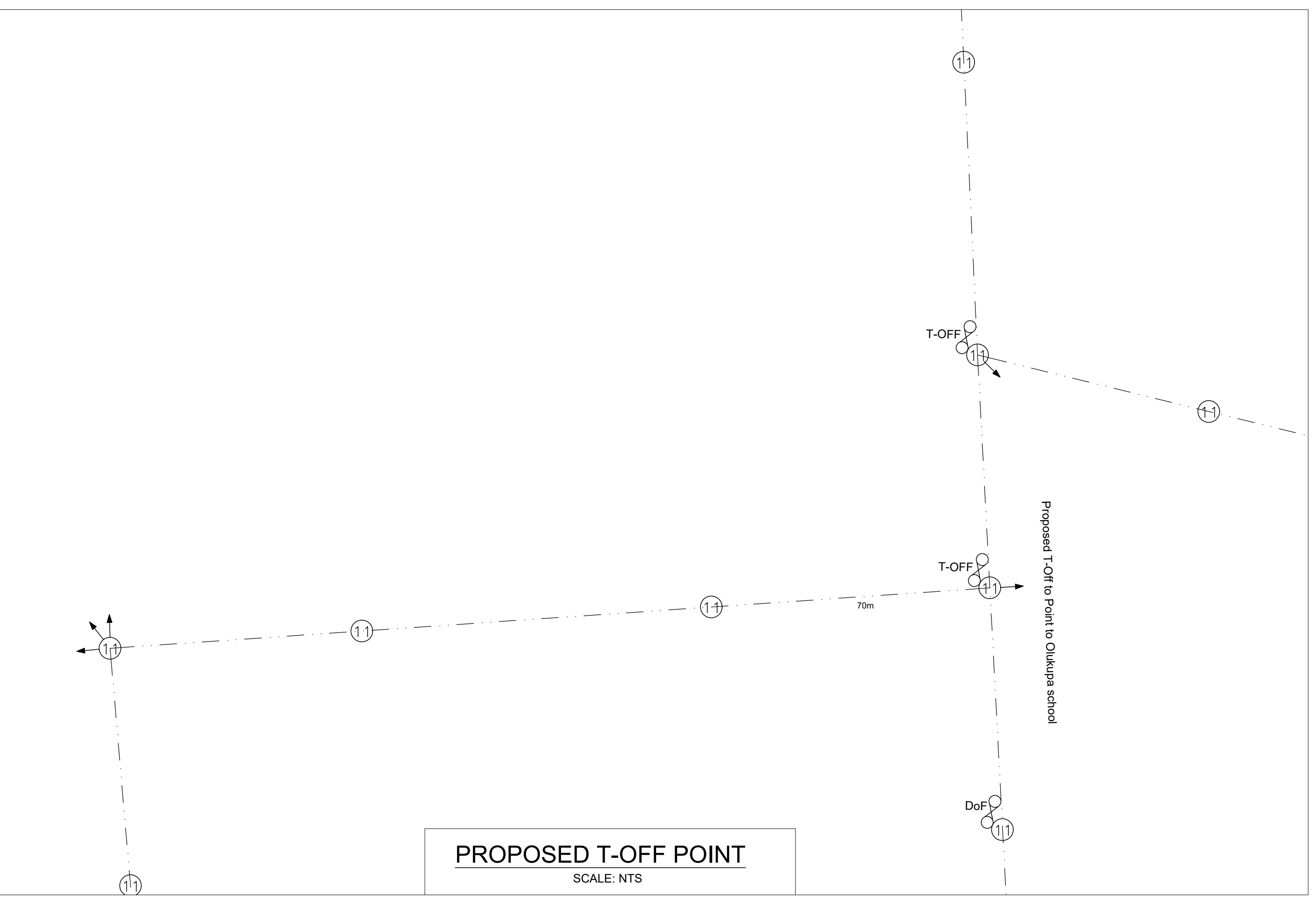
- General notes:
- No part of this drawing must be scaled.
  - All dimensions should be checked before any work on the site commences.
  - Any discrepancies that may occur during the construction phase of this drawing must be brought immediately under the attention of the Engineer.
  - All work to be generally in accordance with the provisions of the relevant Portions of SANS 10142-01, 02 and other relevant standards.

**RECORD DRAWING**  
This drawing has been prepared from the information available on the date hereof, but all information shown will have to be verified on site

for Lithon Project Consultants (Pty)Ltd	for _____
Date _____	Date _____

**FOR RECORD**

No	Date	Revision	Initial
1	14/04/2022	For Record	OS
0	16/12/2021	For Construction	OS



**PROPOSED T-OFF POINT**  
SCALE: NTS

Electrical Engineers:

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Designed: O. Shavuka  
 Checked: S. Shifidi  
 Approved for Lithon: \_\_\_\_\_  
 Surveyed: ...  
 Drawn: L. Shipingana  
 Approval Date: \_\_\_\_\_

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 Namibia

Approved for Client: \_\_\_\_\_  
 Approval Date: \_\_\_\_\_

Project:

**NAMPOWER RURAL ELECTRIFICATION**

Drawing Title:

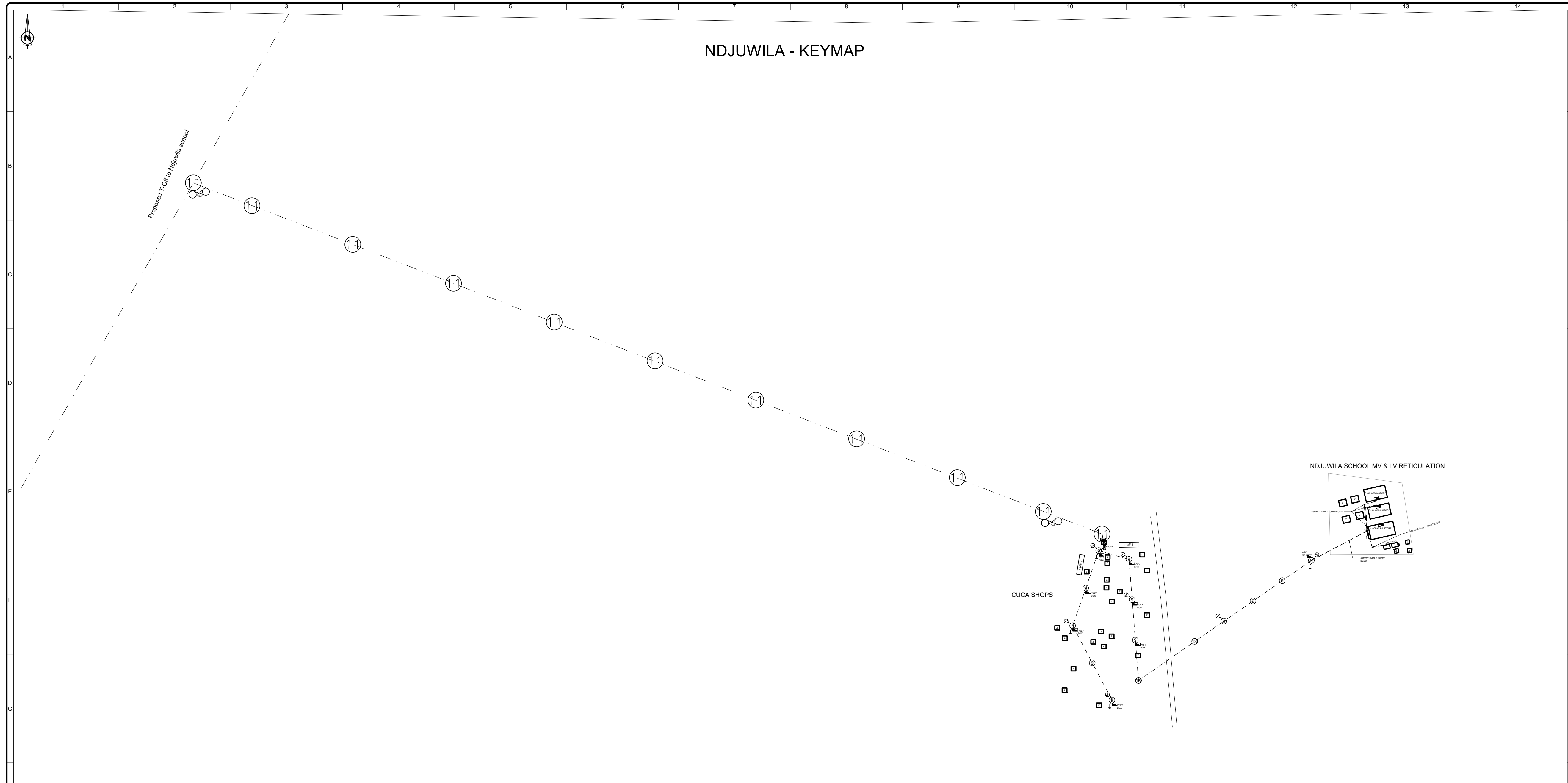
**OLUKUPA SCHOOL KEY MAP & T-OFF LAYOUT**

Date of Issue: 06/10/2020 Scale: AS SHOWN

Drawing No: **P1787-E-301** Revision: **1**

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# NDJUWILA - KEYMAP



**General notes:**  
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 2. All dimensions should be checked before any work on the site commence.  
 3. Any discrepancies that may occur during the construction phase of this drawing must be brought immediately under the attention of the Engineer.

## RECORD DRAWING

This drawing has been prepared from the information available on the date hereof, but all information shown will have to be verified on site

for Lithon Project Consultants (Pty)Ltd	for _____
Date _____	Date _____

## FOR RECORD

No	Date	Revision	Initial
1	14/04/2023	For Record	OS
0	18/12/2021	For Construction	OS

Electrical Engineers:

**Windhoek Office:** PO Box 4002, Aunty's Road, Windhoek, Namibia. Tel: +264 61 200 278, Fax: +264 61 200 279.  
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**Swakopmund Office:** PO Box 2421, Swakopmund, Namibia. Tel: +264 64 406 123, Fax: +264 64 406 107.

Designed: O. Shavuka  
 Checked: S. Shifidi  
 Approved for Lithon: \_\_\_\_\_

Surveyed: ...  
 Drawn: L. Shipingana  
 Approval Date: \_\_\_\_\_

User Client:

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PO Box 2884  
 Windhoek  
 Namibia

Approved for Client: \_\_\_\_\_  
 Approval Date: \_\_\_\_\_

Project:

## NAMPOWER RURAL ELECTRIFICATION

Drawing Title:

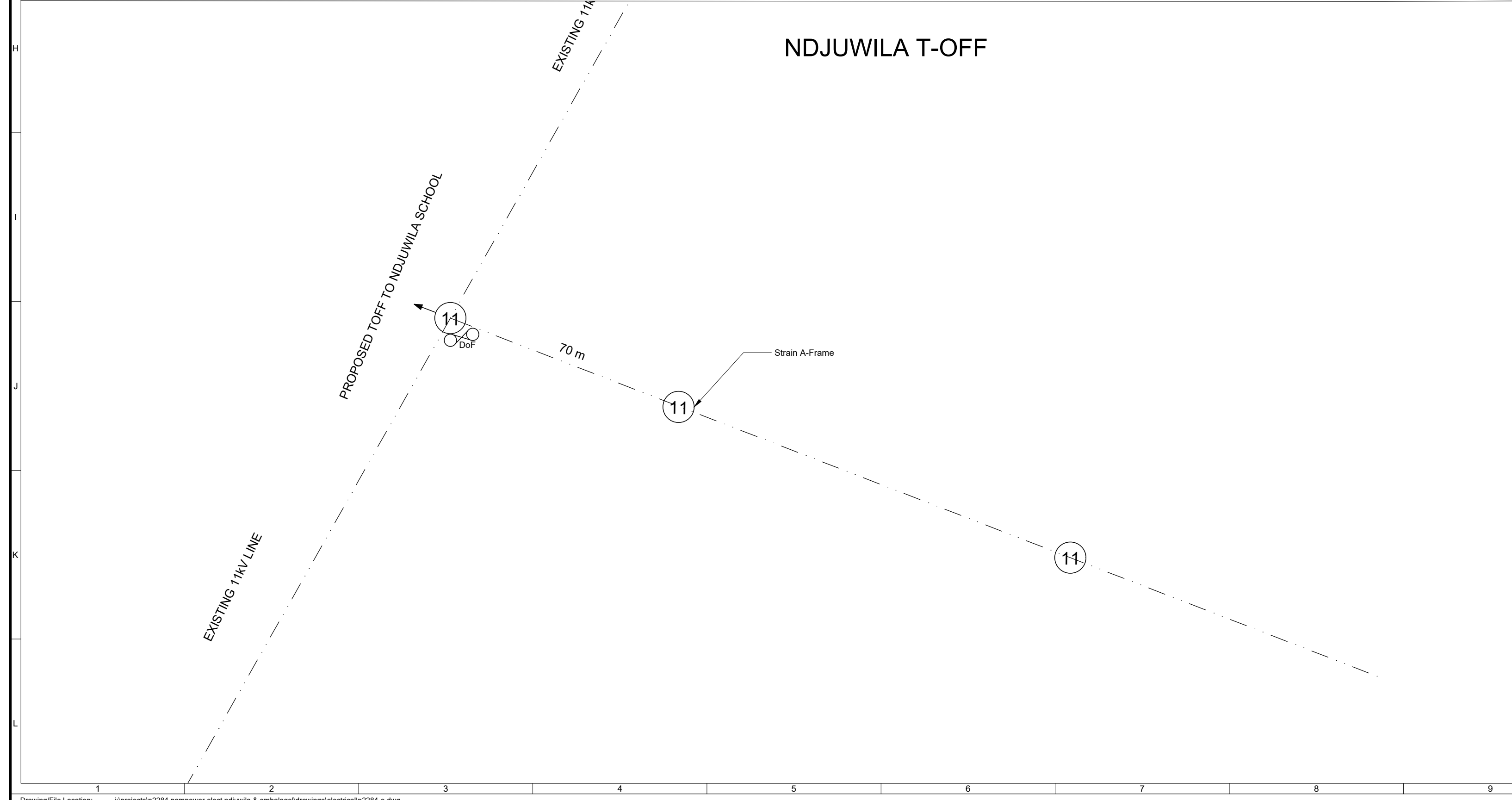
### NDJUWILA SCHOOL T-OFF & KEYMAP LAYOUT

Date of Issue: 08/04/2021 Scale: AS SHOWN

Drawing No: **P2284-E-101** Revision: **1**

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# NDJUWILA T-OFF



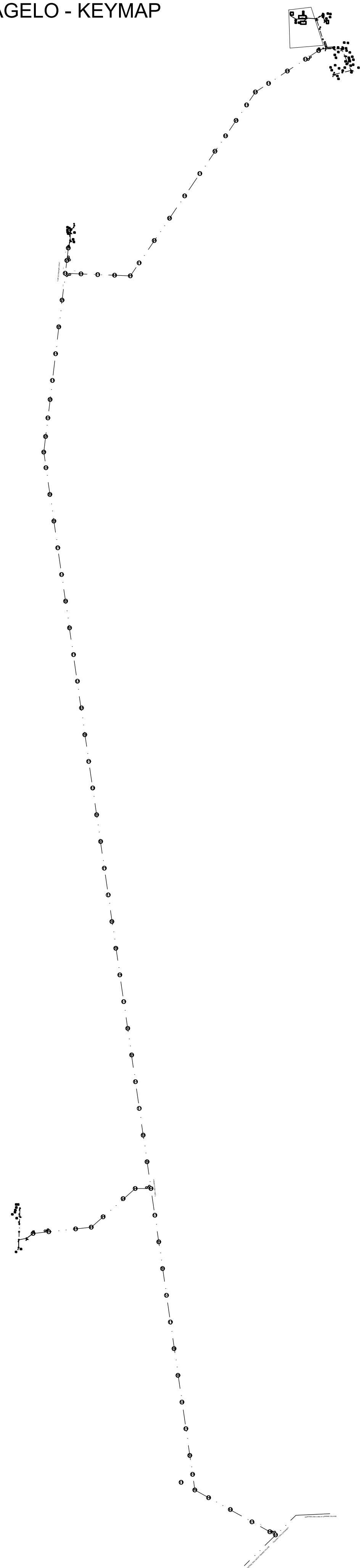
T-OFF COORDINATES	
FROM	COORDINATE
AT POLE	S: -18.202472° E: 16.193990°

TRANSFORMER COORDINATES	
TRANSFORMER ID	COORDINATE
TRF 1	S: -18.203814° E: 16.203910°

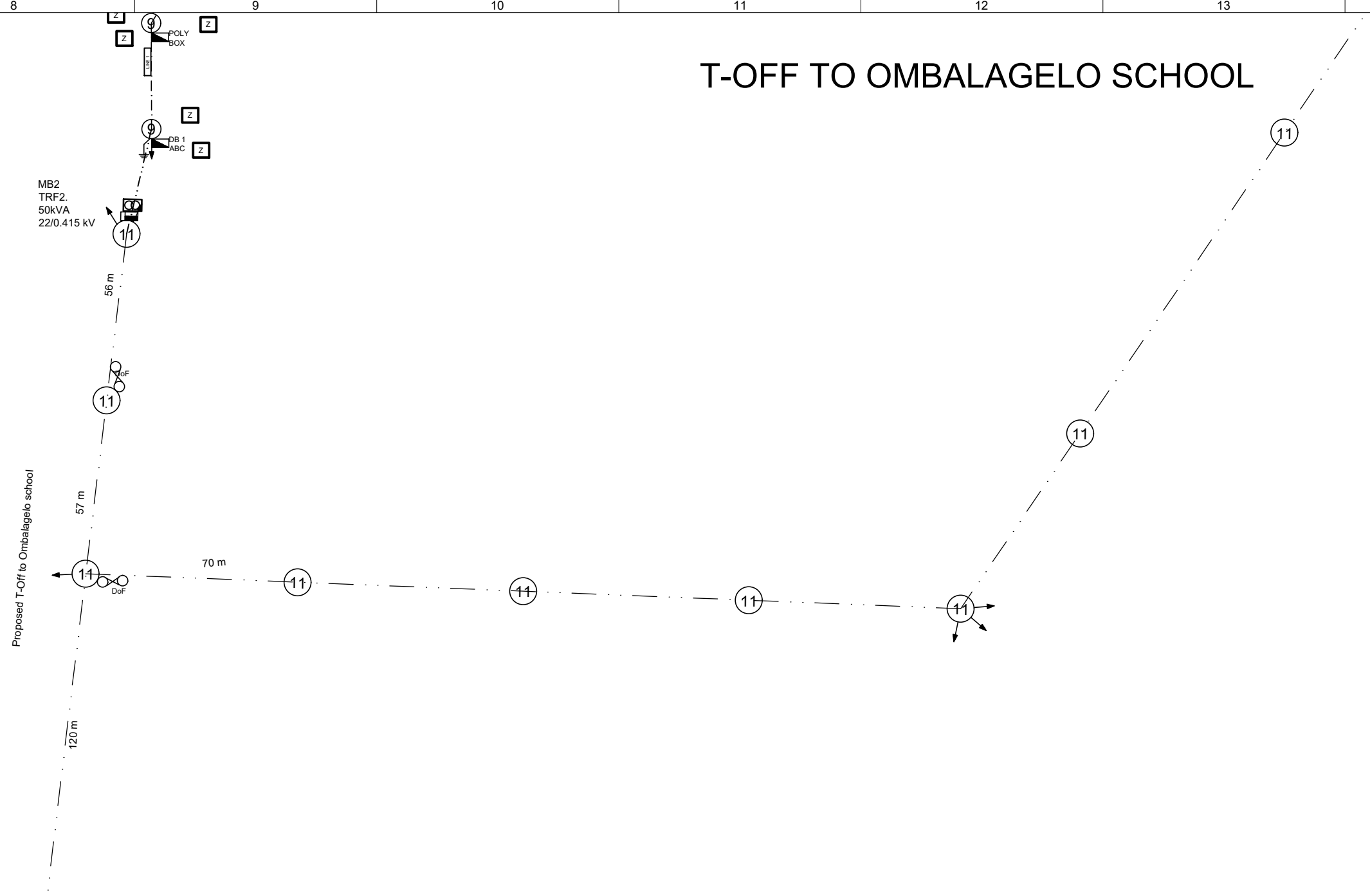
SYMBOL	DESCRIPTION	QTY.
	POLE MOUNTED TRANSFORMER AS SPECIFIED	1
	POLE MOUNTED METER BOARD	1
	POLE MOUNTED ABC CONTROL BOARD AND POLY BOX	6
	MEDIUM VOLTAGE OVERHEAD LINE - RABBIT CONDUCTOTS	±1.082km
	400V, 70mm² x 3 + 54.5mm² X 1 + 25mm² x 1, ABC OHL	500m
	STAY ASSEMBLY FOR BOTH ABC & MV-OHL	8
	LV POLE EARTHING (NEUTRAL EARTHING POINTS)	6
	11m MV POLE, 160-180mmØ POLE TOP	10
	9m LV POLE, 140-160mmØ POLE TOP	14
	STREETLIGHT 100W HPS FITTING WITH MCB INCLUDING LAMP	6
	12 WAY WEATHER PROOF DISTRIBUTION KIOSK	1



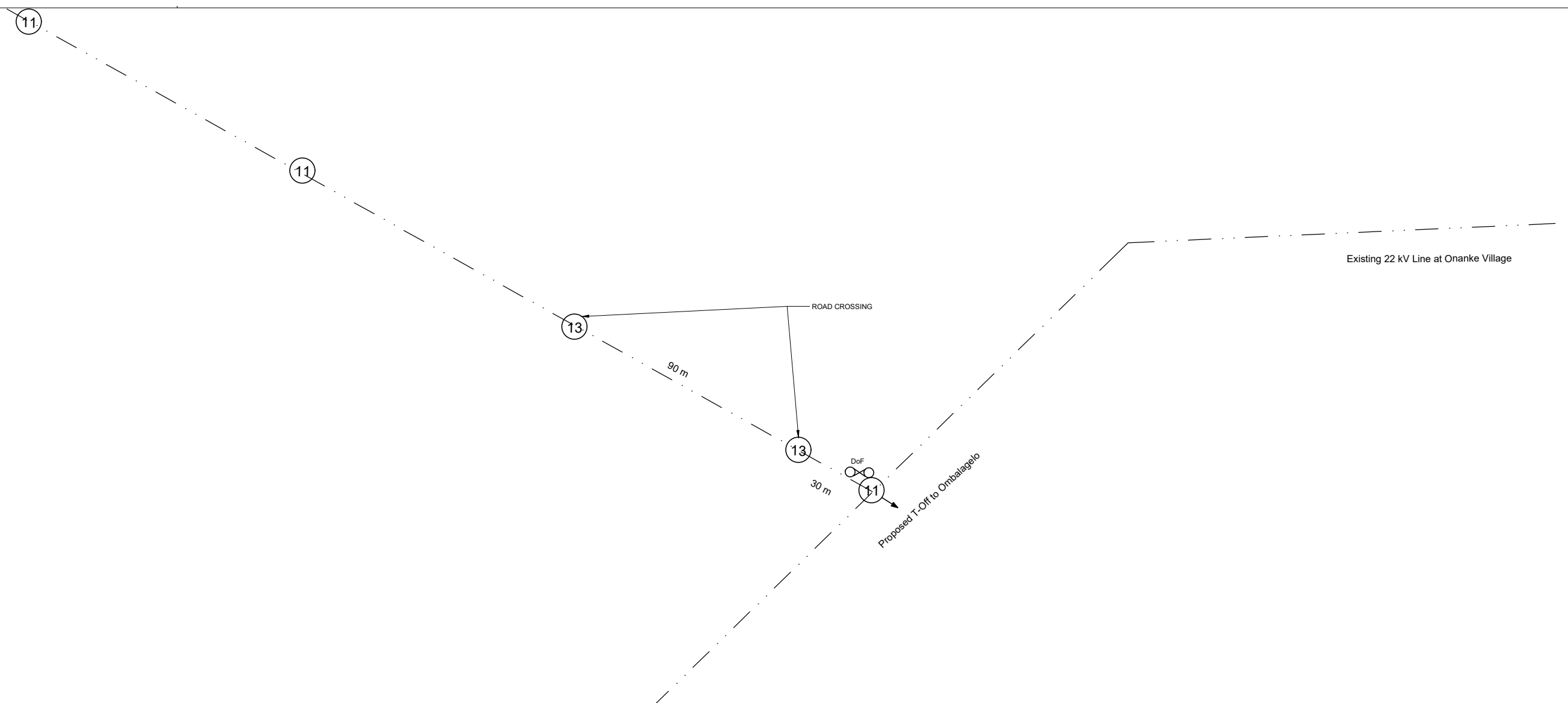
OMBALAGELO - KEYMAP



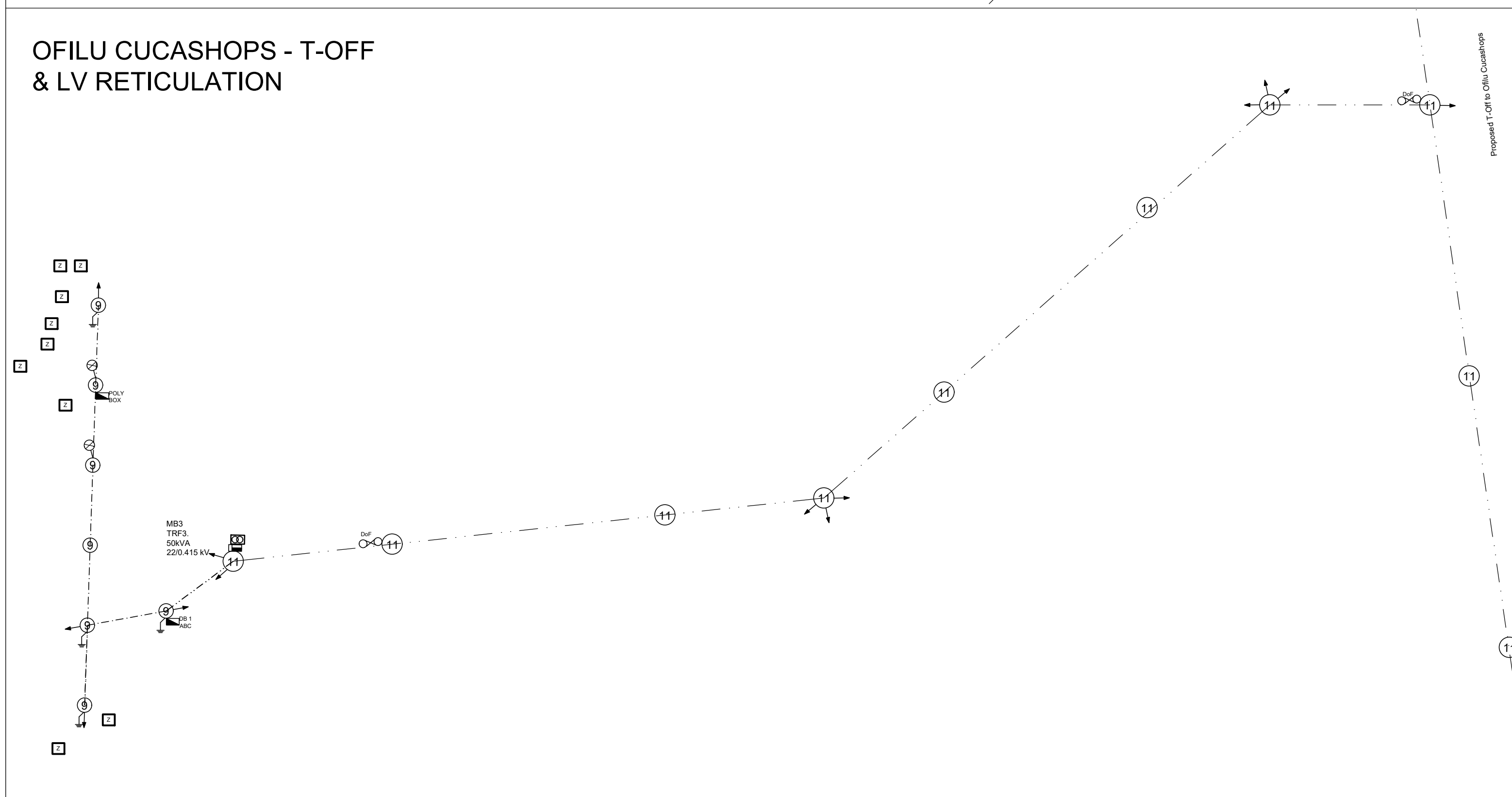
T-OFF TO OMBALAGELO SCHOOL



OMBALAGELO - T-OFF



OFILU CUCASHOPS - T-OFF & LV RETICULATION



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**RECORD DRAWING**  
 This drawing has been prepared from the information available on the date hereof, but all information shown will have to be verified on site

For Lithon Project Consultants (Pty)Ltd	for _____
Date _____	Date _____

**FOR RECORD**

No	Date	Revision	Initial
1	14/04/2023	For Record	OS
0	18/12/2021	For Construction	OS

**Lithon Project Consultants**

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 ONDANGWA OFFICE: PO Box 2407, Ondangwa, Namibia. Tel: +264 65 231 509, Fax: +264 65 231 525.  
 SWANENBURG OFFICE: PO Box 2421, Swakopmund, Namibia. Tel: +264 64 406 123, Fax: +264 64 406 107.

Designed: O. Shavuka  
 Checked: S. Shifidi  
 Approved for Lithon: \_\_\_\_\_  
 Surveyed: ...  
 Drawn: L. Shipingana  
 Approval Date: \_\_\_\_\_

User Client:  
**NORED Electricity (Pty) Ltd**  
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For:  
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 Fax: +264(85) 244 071, OmuShiyana, Namibia.  
 Email: info@oshikotoregion.gov.na

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 Fax: +264(0) 61 232 805

Approved for Client: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Project:

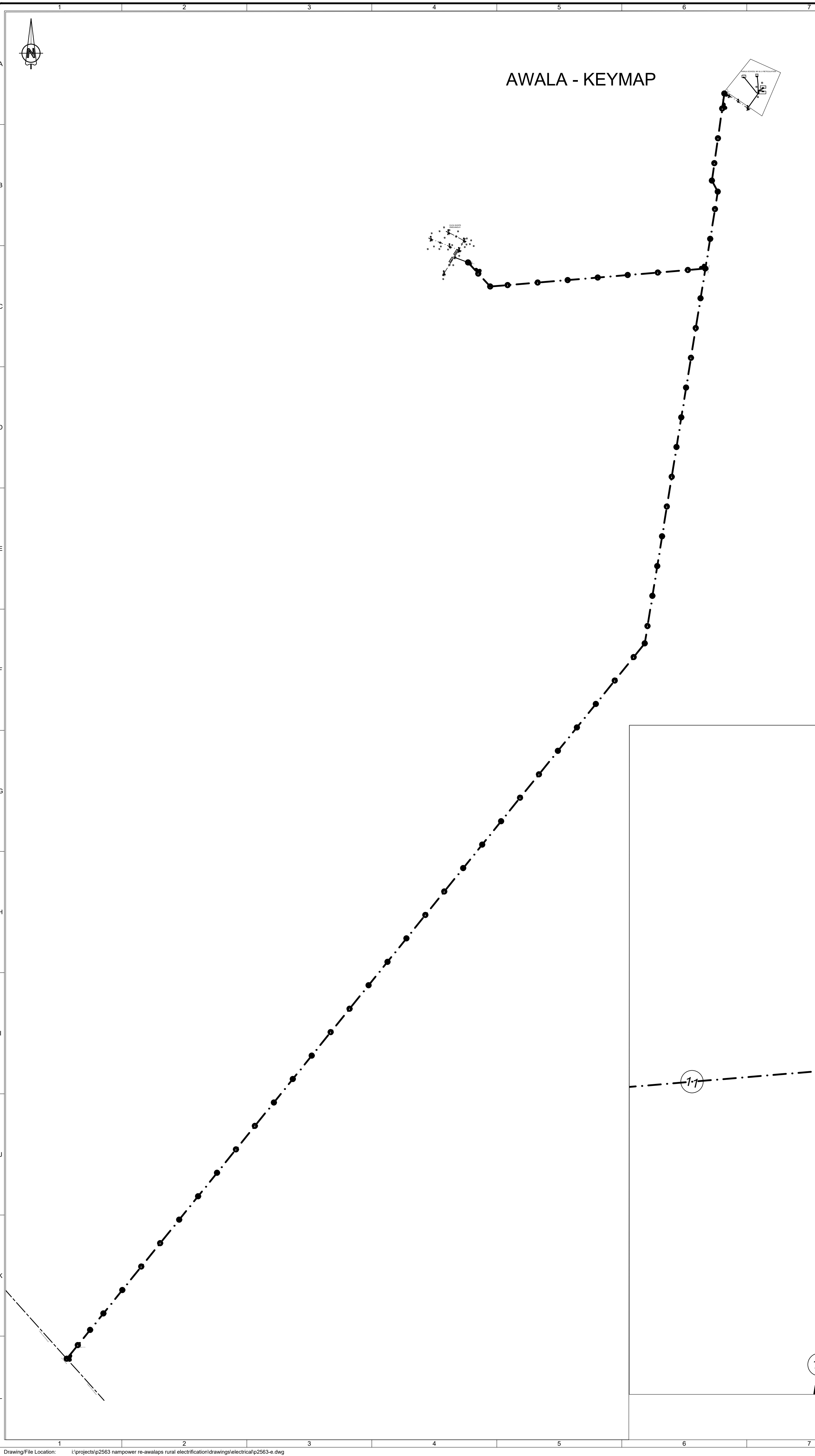
**NAMPOWER RURAL ELECTRIFICATION**

Drawing Title:  
**OMBALAGELO SCHOOL T-OFF & KEYMAP LAYOUT**

Date of Issue: 12/10/2020 Scale: AS SHOWN

Drawing No.: **P2284-E-103** Revision: **1**

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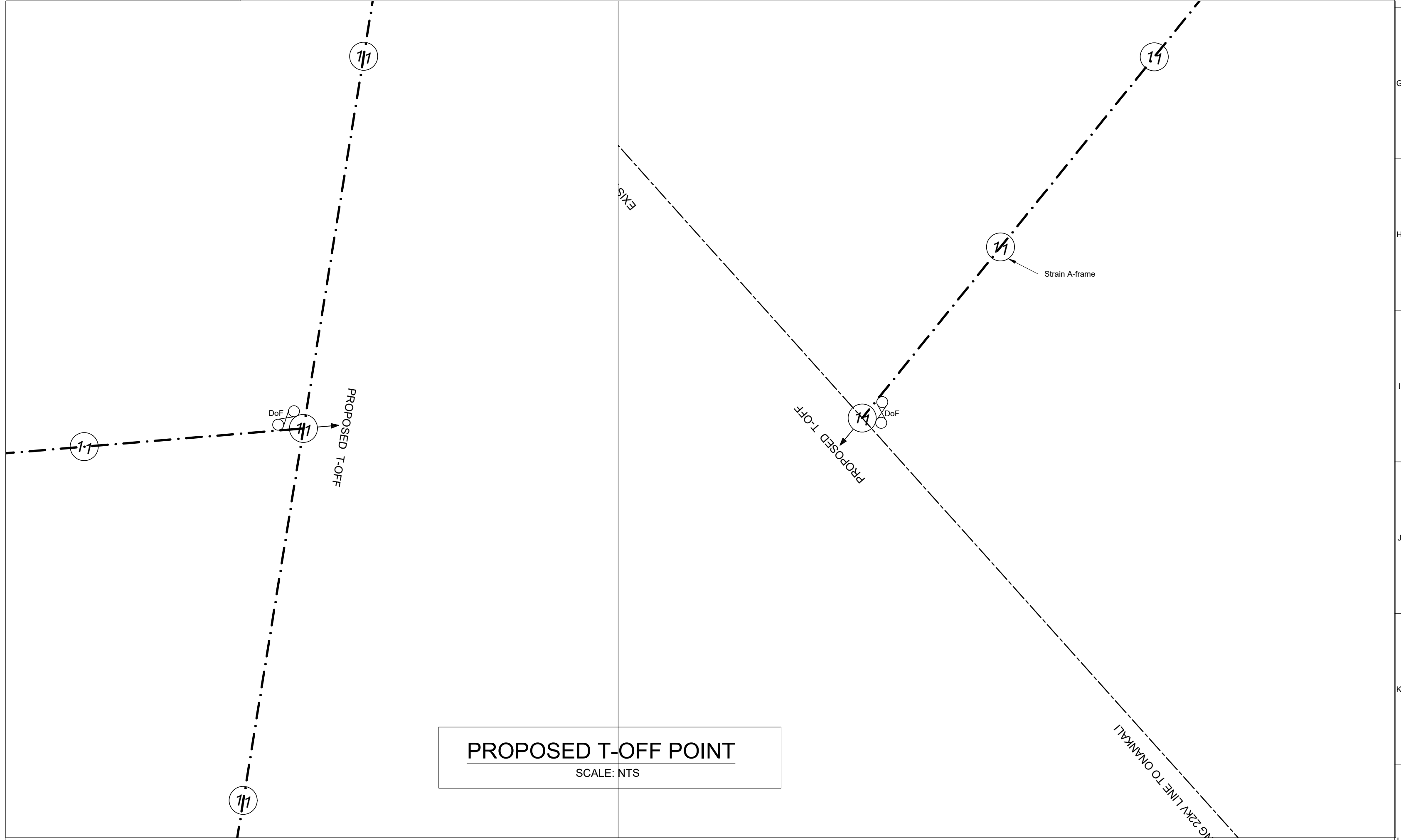
AWALA - KEYMAP

SYMBOL	DESCRIPTION	QTY.
	POLE MOUNTED TRANSFORMER AS SPECIFIED	2
	POLE MOUNTED METER BOARD AND SCHOOL METER BARD	3
	POLE MOUNTED ABC CONTROL BOARD AND POLY BOX	8
	NEW MEDIUM VOLTAGE OVERHEAD LINE - RABBIT CONDUCTORS	±6.9km
	EXISTING 22KV 2PH LINE TO BE UPGRADED TO 3PH	±km
	LOW VOLTAGE PVCA CABLES	±495m
	STAY ASSEMBLY FOR MV OHL	9
	11m MV POLE, 160-180mmØ POLE TOP	64
	9m LV POLE, 140-160mmØ POLE TOP	13

T-OFF COORDINATES	
FROM	COORDINATE
LINE AT ONANKALI	S: -18.195683° E: 16.384124°
LINE TO AWALA SCHOOL	S: -18.195350° E: 16.401800°

TRANSFORMER COORDINATES	
TRANSFORMER ID	COORDINATE
TRF 1	S: -18.149840° E: 16.400379°
TRF 2	S: -18.150146° E: 16.400493°

BENDS COORDINATES	
FROM	COORDINATE
B1	S: -18.169651° E: 16.404959°
B2	S: -18.153617° E: 16.401150°
B3	S: -18.153295° E: 16.400791°
B4	S: -18.157381° E: 16.393744°



PROPOSED T-OFF POINT  
SCALE: NTS

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RECORD DRAWING

This drawing has been prepared from the information available on the date hereof, but all information shown will have to be verified on site

For Lithon Project Consultants (Pty)Ltd	For _____
Date _____	Date _____

FOR RECORD

No	Date	Revision	Initial
1	14/04/2023	For Record	OS
0	16/12/2021	For Construction	OS

Electrical Engineers:

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Designed: L. Shipingana  
 Checked: O. Shavuka  
 Approved for Lithon: \_\_\_\_\_

Surveyed: ...  
 Drawn: L. Shipingana  
 Approval Date: \_\_\_\_\_

User Client:

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For:  
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PO Box 19247  
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 Fax: +264(0) 61 232 905

PO Box 2884  
 Windhoek  
 Namibia

Approved for Client: \_\_\_\_\_  
 Approval Date: \_\_\_\_\_

Project:

**NAMPOWER RURAL ELECTRIFICATION**

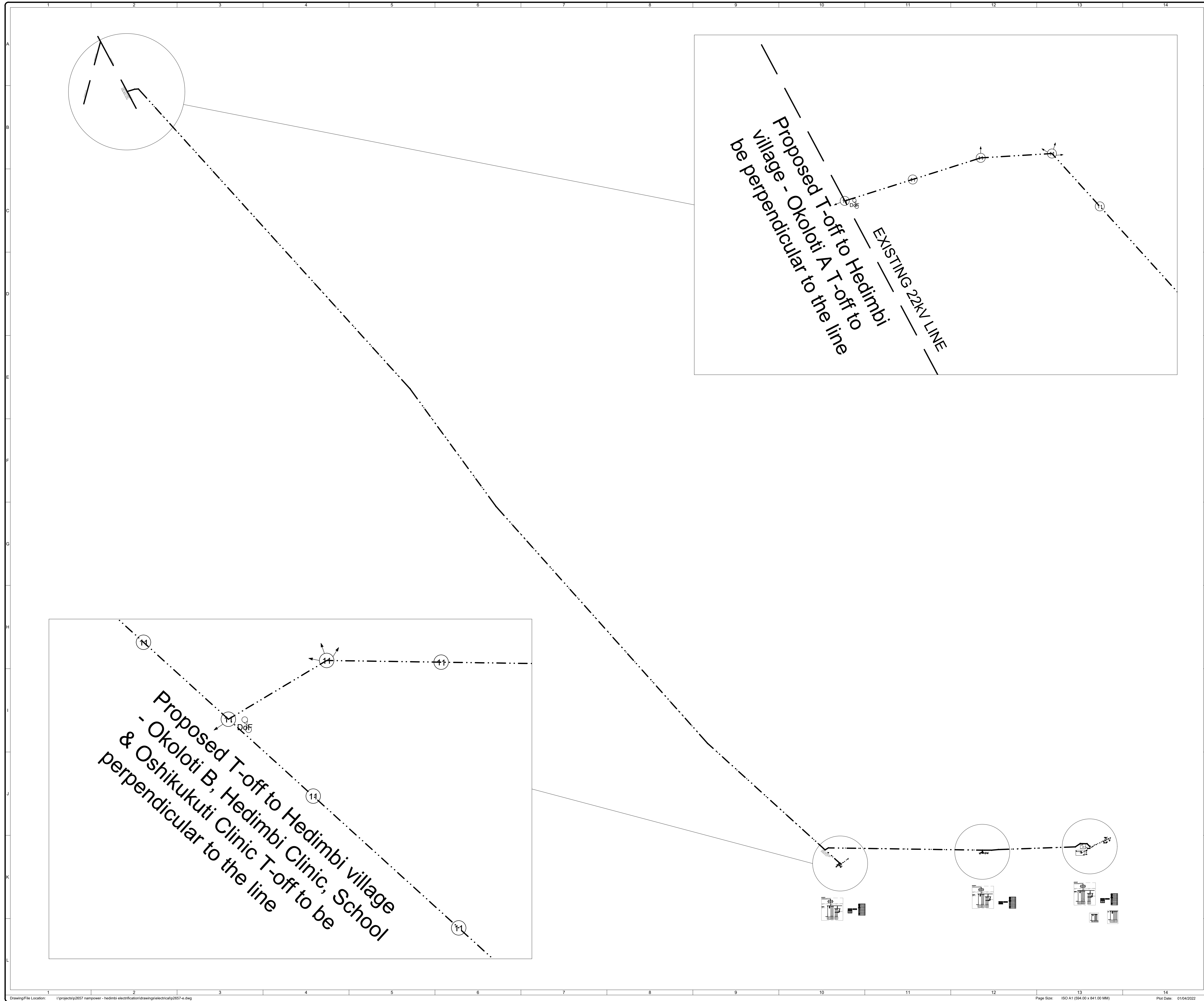
Drawing Title:

**AWALA SCHOOL KEY MAP & T-OFF LAYOUT**

Date of Issue: 26/02/2021 Scale: AS SHOWN

Drawing No.: **P2563-E-101** Revision: **1**

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3. Any discrepancies that may occur during the construction phase of this drawing must be brought immediately under the attention of the Engineer.

**FOR TENDER**

No	Date	Revision	Initial
A	01/04/2022	For Tender	MM

**Lithon**  
Project Consultants

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--	---	---

Designed: M. Muhenje      Surveyed: ...  
 Checked: O. Shavuka      Drawn: M. Muhenje  
 Approved for Lithon:      Approval Date: .....

User Client:  
**NORED Electricity (Pty) Ltd**

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 Namibia

Approved for Client:      Approval Date: .....

Project:  
**NAMPOWER - EIB - RURAL ELECTRIFICATION**

Drawing Title:  
**HEDIMBI KEY MAP & T-OFF LAYOUT**

Date Issue: 01/04/2022      Scale: AS SHOWN

Drawing No.: **P2657-E-000**      Revision: **A**

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