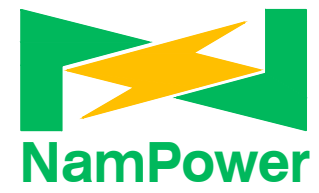


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| LEGEND: | | QTY |
|---------|---|-----|
| | 33kV LINE | |
| | 22kV LINE | |
| | 18.1kV SWER LINE | |
| | 11kV OVERHEAD LINE | |
| | 11kV LINE UNDERGROUND | |
| | 400V ABC LINE | |
| | OVERHEAD SERVICE CABLE | |
| | UNDERGROUND SERVICE CABLE | |
| | TELEPHONE LINE | |
| | TRANSFORMER | |
| | LINKED FUSE (15A, TYPE K) | |
| | LOAD BREAK UNIT | |
| | STREET LIGHTS | |
| | LV POLE | |
| | MV POLE | |
| | KIOSK | |
| | FLY STAY STRUCTURE | |
| | STRUT ASSEMBLY FOR 11kV LINE | |
| | STRUT ASSEMBLY FOR ABC LINE WITH WARNING PIPE | |
| | SLEEVES | |
| | 8m KICK POLE FOR AIRDAC | |
| | 5m KICK POLE FOR AIRDAC | |
| | KIOSK | |
| | DISTRIBUTION BOARD TYPE "A OR B" POLE MOUNTED | |
| | BRICK HOUSE | |
| | SINK HOUSE | |
| | WOOD HOUSE | |

| No. | REVISIONS | APP. | DATE |
|-----|-----------|------|------|
| | | | |

CLIENT:



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NAMIBIA

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Fax: (061) 232805

APPROVED BY CLIENT _____ DATE _____
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consulting group

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 NAMIBIA E-mail: emcon@emcgroup.com

PROJECT

NAMPOWER 2019 RURAL ELECTRIFICATION
 //KHARAS REGION

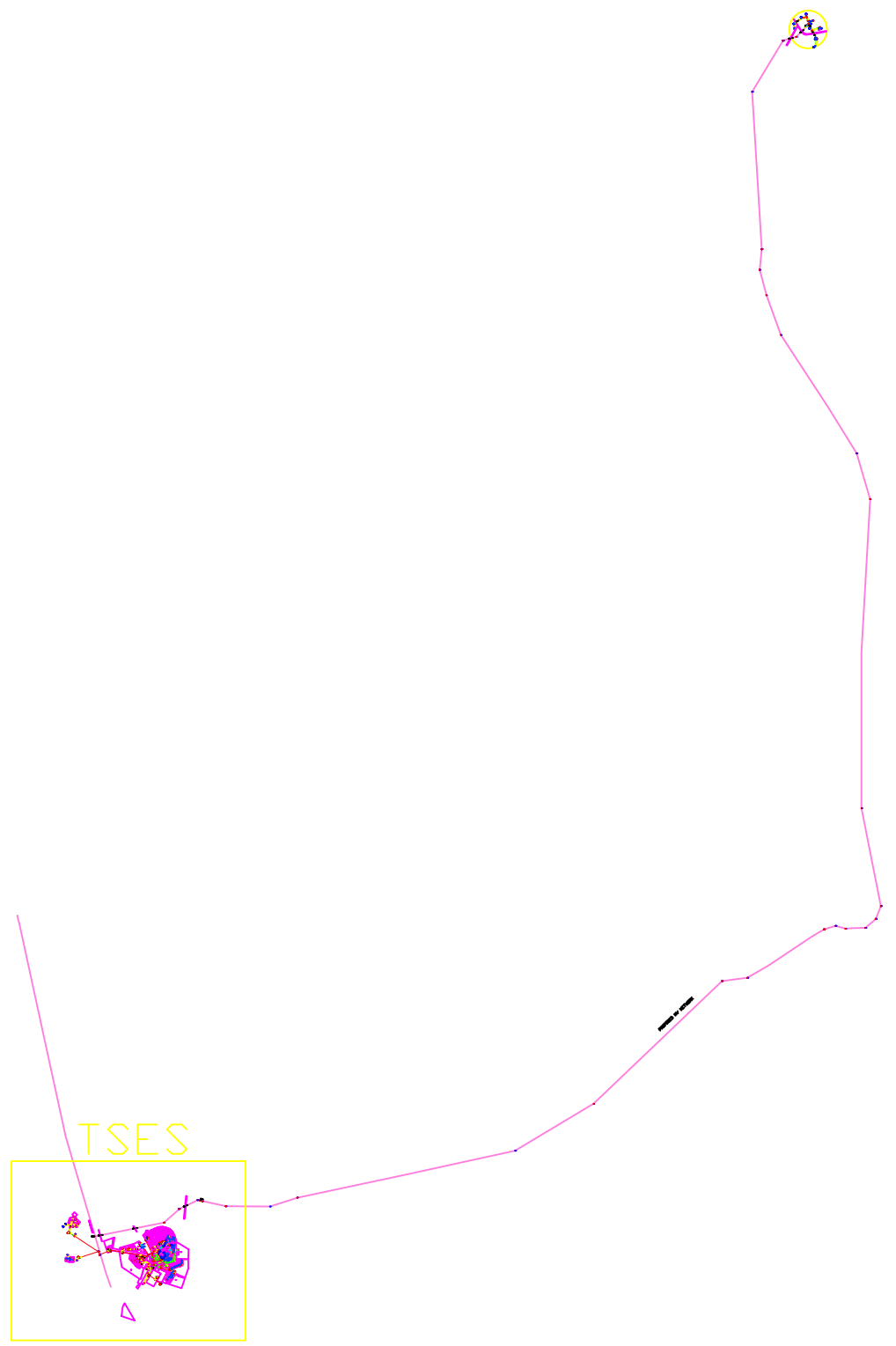
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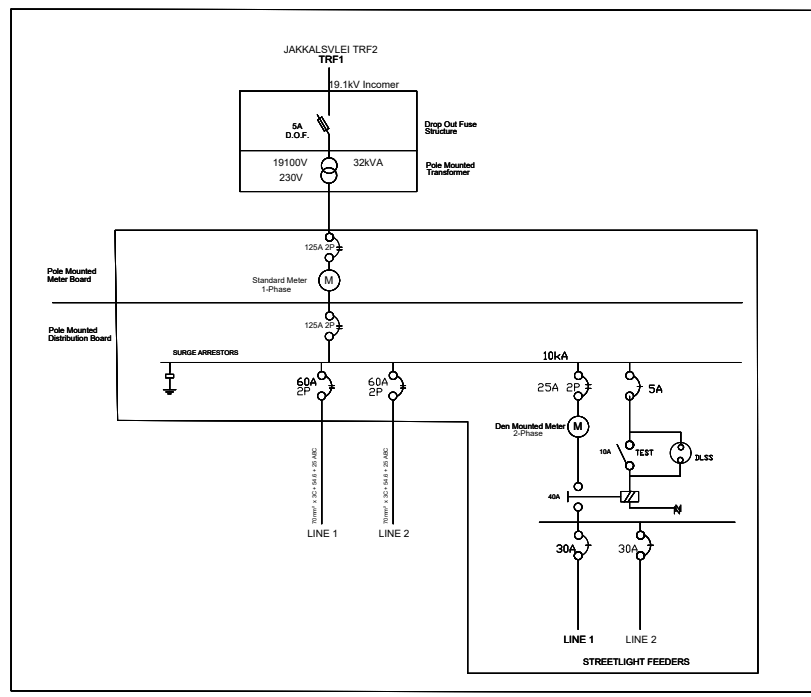
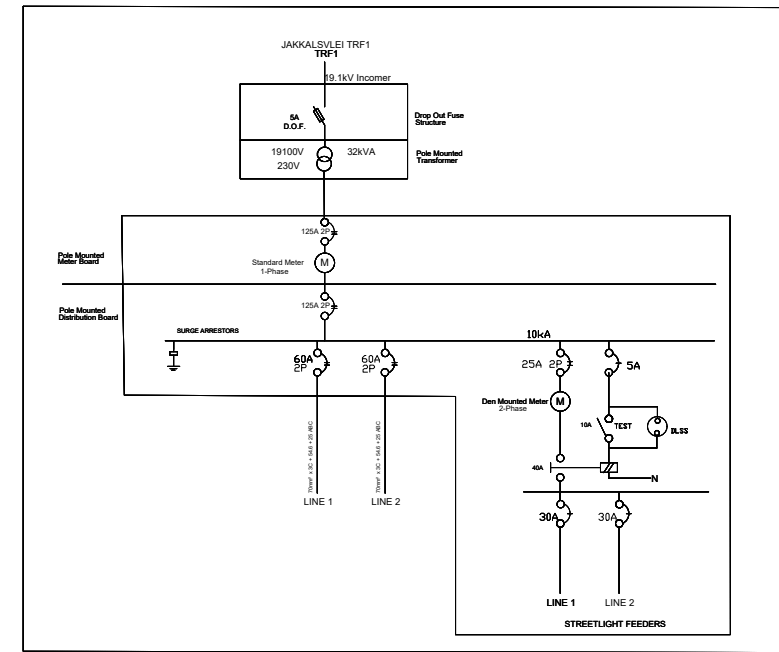
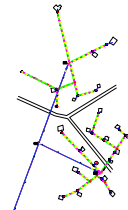
ELECTRICAL KEYMAP FOR
 DOORN DABERAS VILLAGE
 S:-25.571469
 E:18.300974

DESIGNED: PH DRAWN: PH CHECKED: HH SCALE: N.T.S

CONSULTANT PROJ. No: PP264 DATE: AUG 2019

DRAWING No: PSE/2019/00/EE-1-01 REV: 0A





JAKKALSVLEI—TOFF
 S: -25.990241°
 E: 18.410538°

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REVISION

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|------|-----|---------|----|
| | | | |
| | | | |
| | | | |
| | | | |


LEGEND:

| SYMBOL | DESCRIPTION |
|--------|---------------------------------|
| | DROP OUT FUSE |
| | LOAD BREAK |
| | LV POLE (9m) |
| | MV POLE (11m) |
| | LV 400V ABC LINE |
| | LV 400V UNDERGROUND CABLE |
| | LV POLE STAY ASSEMBLY |
| | MV STRUT POLE ASSEMBLY |
| | POLE MOUNTED METER BOARD |
| | POLE MOUNTED DISTRIBUTION BOARD |
| | DISTRIBUTION KIOSK |
| | POLE MOUNTED STREET LIGHT, HPS |
| | POLE EARTH TO SPECIFICATION |
| | 230V MV OH LINE, RABIT |
| | 19.1kV MV OH LINE, MAGPIE |
| | TRANSFORMER |
| | SERVICE CONNECTION |
| | EXISTING 33kV OVERHEAD LINE |
| | EXISTING 19.1kV OVERHEAD LINE |
| | EXISTING 11kV OVERHEAD LINE |
| | 400V LV UNDERGROUND CABLE |
| | HOUSE |


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 CELL: +264 61 299 3333



PROJECT TITLE:
 2020 MME RURAL
 ELECTRIFICATION - KARAS
 REGION

DRAWINGS:
 JAKKALSVLEI KEYMAP AND SINGLE
 LINE DIAGRAM

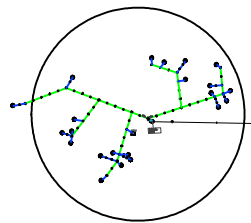
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|----------------------|--------------------------|
| DRAWN: L.S | CHECKED: J.T.N |
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| SCALE: As Shown When printed on A3 Paper | DATE: NOVEMBER 2021 |
|---|-------------------------------|

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|---|-----------------------|
| DRAWING NUMBER: AFRI_2021_001 | REVISION: - |
|---|-----------------------|

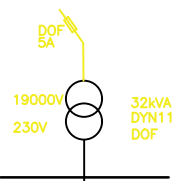
FOR INFORMATION
 PURPOSES ONLY

VERGENOEG



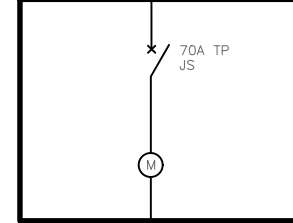
KEYMAP

VERGENOEG VILLAGE TRF

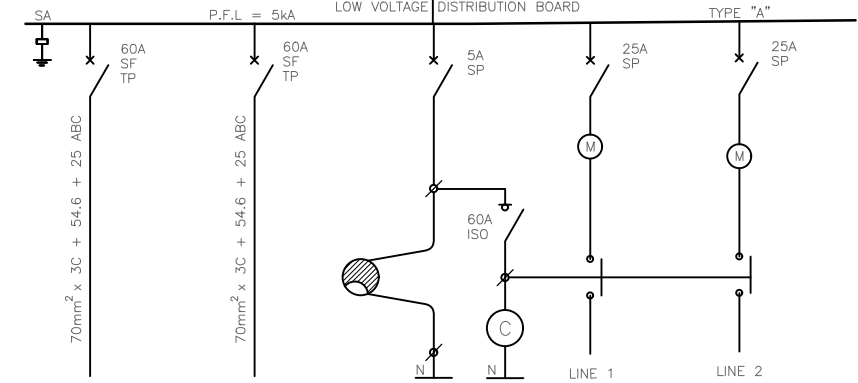


35mm² / 4CORE (50m)

TRANSFORMER POLE MOUNTED METER BOARD



LOW VOLTAGE DISTRIBUTION BOARD



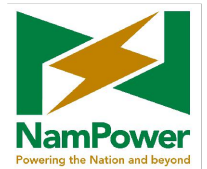
SLD

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Legend:

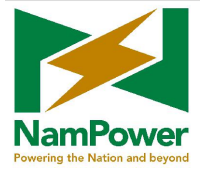
| LEGEND: | |
|---------|--|
| | 33kV LINE |
| | 22kV LINE |
| | 19.1kV SWER LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY STAY STRUCTURE |
| | STAY ASSEMBLY FOR 11kV LINE |
| | STRUT ASSEMBLY FOR 11kV LINE |
| | STAY ASSEMBLY FOR ABC LINE WITH WARNING PIPE |
| | STRUT ASSEMBLY FOR ABC LINE |
| | SLEEVES |
| | 8m KIOSK POLE FOR ARDAC |
| | 5m KIOSK POLE FOR ARDAC |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE "A" OR "B" |
| | POLE MOUNTED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |

Client



Namibia Power Corporation (Proprietary) Limited
 P.O. Box 2864 Windhoek - 15 Luther Street Windhoek
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USER CLIENT



USER CLIENT APPROVAL



APPROVAL PERSONEL: _____ APPROVAL DATE: ___/___/2022

Project **NAMPower 2022 RURAL ELECTRIFICATION //KHARAS REGION**

Revisions

| No. | Description | Date |
|-----|-------------|------|
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Electrical & Mechanical Engineers

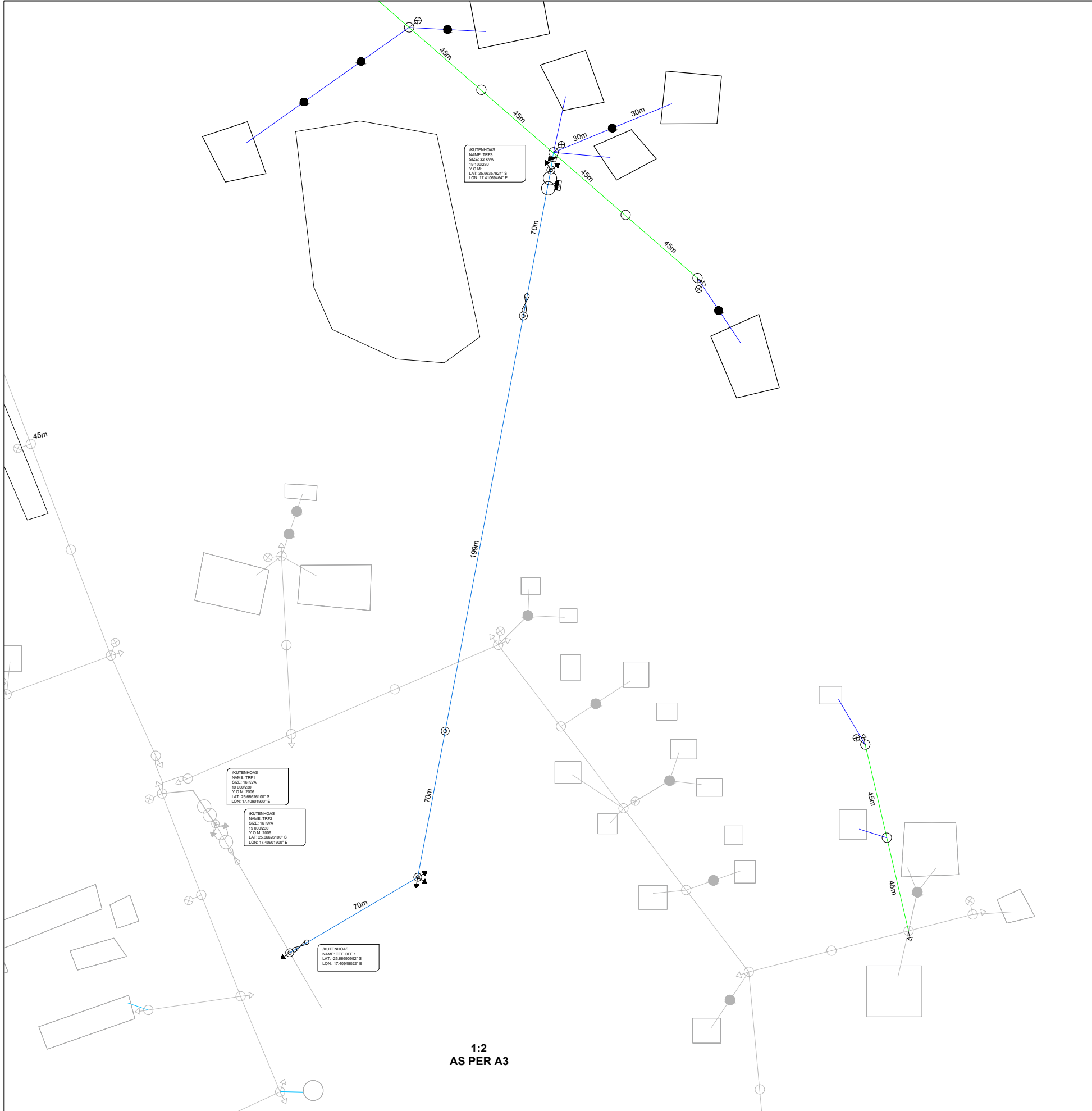


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 T: +264 61 224 725 F: +264 88 651 6173 contact@emcongroup.com

Drawing title
ELECTRICAL LAYOUT FOR VERGENOEG VILLAGE

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP296 | Scale N.T.S | Drawing number: MV-00 |
| | Revision 0 | |

Designed by: PH Drawn by: PH Checked by: HH




1:2
AS PER A3

| ELECTRICAL LEGEND | |
|-------------------|--|
| ITEM | DESCRIPTION |
| ○ | Existing LV Pole |
| ○ | New LV Pole |
| ⊙ | MV Pole |
| ⊙ | Existing Meter Pole |
| ● | New Meter Pole |
| ⊕ | Earth |
| ↖ | Existing LV Drop/Shot |
| → | New LV Drop/Shot |
| ↘ | Existing MV Drop/Shot |
| → | New MV Drop/Shot |
| ↘ | Existing Drop out Fuses / Load Break Fuses |
| ↘ | New Drop out Fuses / Load Break Fuses |
| ⊗ | Existing Street Lights |
| ⊗ | New Street Lights |
| ⊗ | Existing Meter Board |
| ⊗ | New Meter Board |
| ⊗ | Existing Distribution Board |
| ⊗ | New Distribution Board |
| ⊗ | Existing Transformer |
| ⊗ | New Transformer |
| ■ | Pole Box |
| — | Existing Service Connections |
| — | New Service Connections |
| — | Existing 250V ABC lines |
| — | New 250V ABC lines |
| — | Existing 18kV Overhead lines |
| — | New 18kV Overhead lines |

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| REVISION | | | |
|----------|-----|---------|----|
| DATE | NO. | REMARKS | BY |
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 FAX: +264 (61) 232 805

ELEC. ENGINEER:



afri
 Afri Consulting Engineers
 AFRI CONSULTING ENGINEERS
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 CELL: +264 81 299 3333

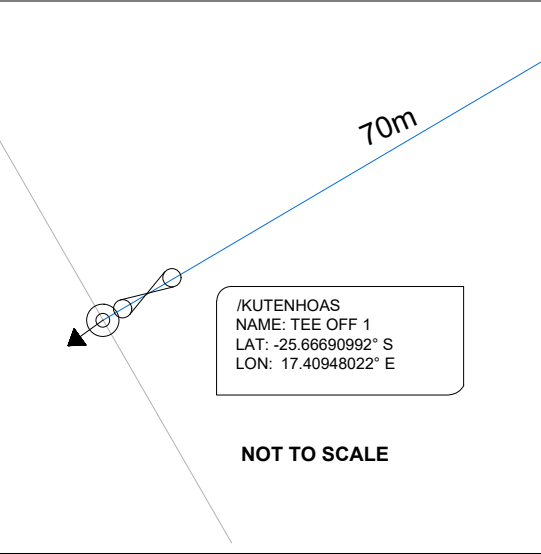
PROJECT TITLE:
2022/23 KUTENHOAS RURAL ELECTRIFICATION KARAS REGION

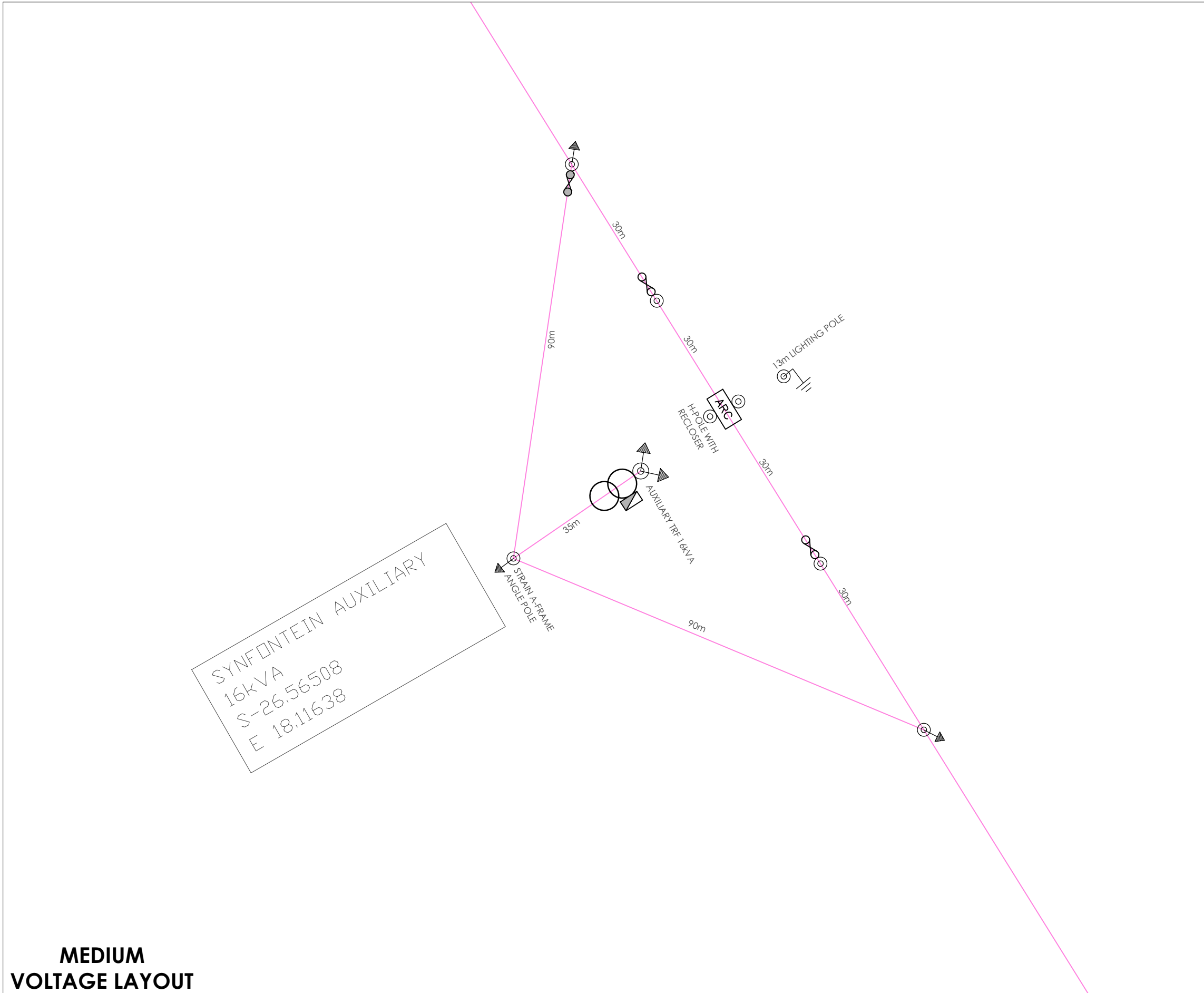
DRAWINGS:
KUTENHOAS TRF3 MV LAYOUT DIAGRAM

DRAWN: **H.T.K** CHECKED: **J.T.N**

SCALE: **AS PER A3** DATE: **OCT 2022**

DRAWING NUMBER: **AFRI_2022_027EE_02** REVISION: **-**



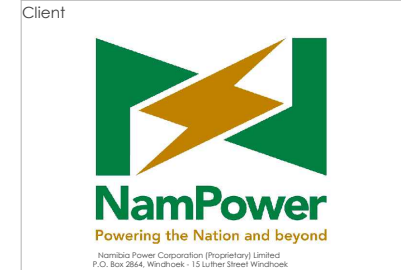


**MEDIUM
VOLTAGE LAYOUT**

- Keyplan:
- Exact positioning of Bulk Metering Kiosk to be determined on site
 - The MV cable depth and positioning within the trench shall be in accordance with STD-E-R-07
 - Cable markers shall be installed in accordance with STD-E-R-1

Legend:

| LEGEND: | |
|---------|---|
| | 33kV LINE |
| | 22kV LINE |
| | 18.1kV SWER LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY SWAY STRUCTURE |
| | STAY ASSEMBLY FOR 11kV LINE |
| | STAY ASSEMBLY FOR 11kV LINE WITH WARNING PIPE |
| | STAY ASSEMBLY FOR ABC LINE |
| | STAY ASSEMBLY FOR ABC LINE WITH WARNING PIPE |
| | SLEEVES |
| | 8m KICK POLE FOR ARCAD |
| | 5m KICK POLE FOR ARCAD |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE "A OR B" |
| | POLE SQUARED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |



Project **NAMPPOWER 2021 RURAL ELECTRIFICATION //KHARAS REGION**

Revisions

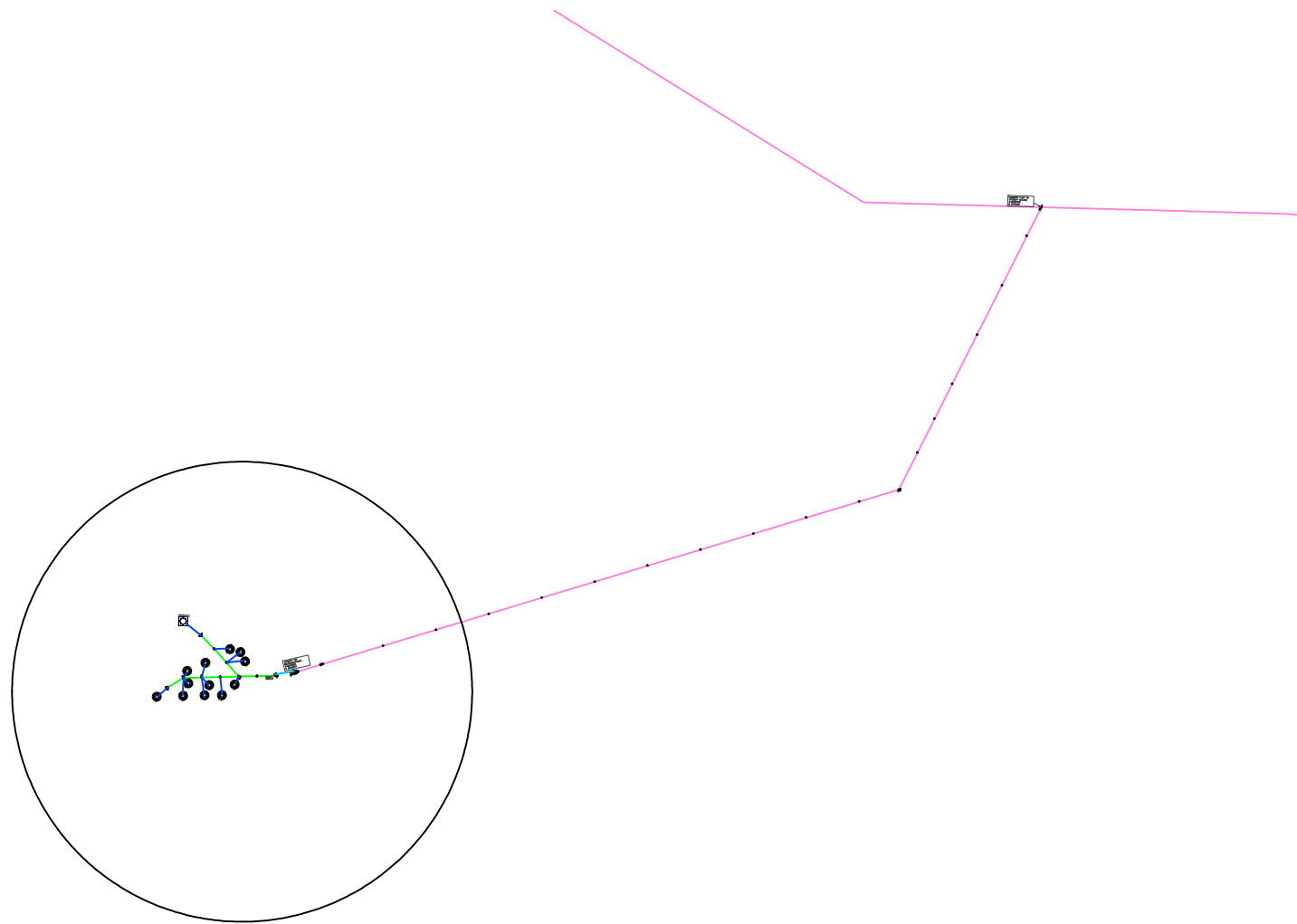
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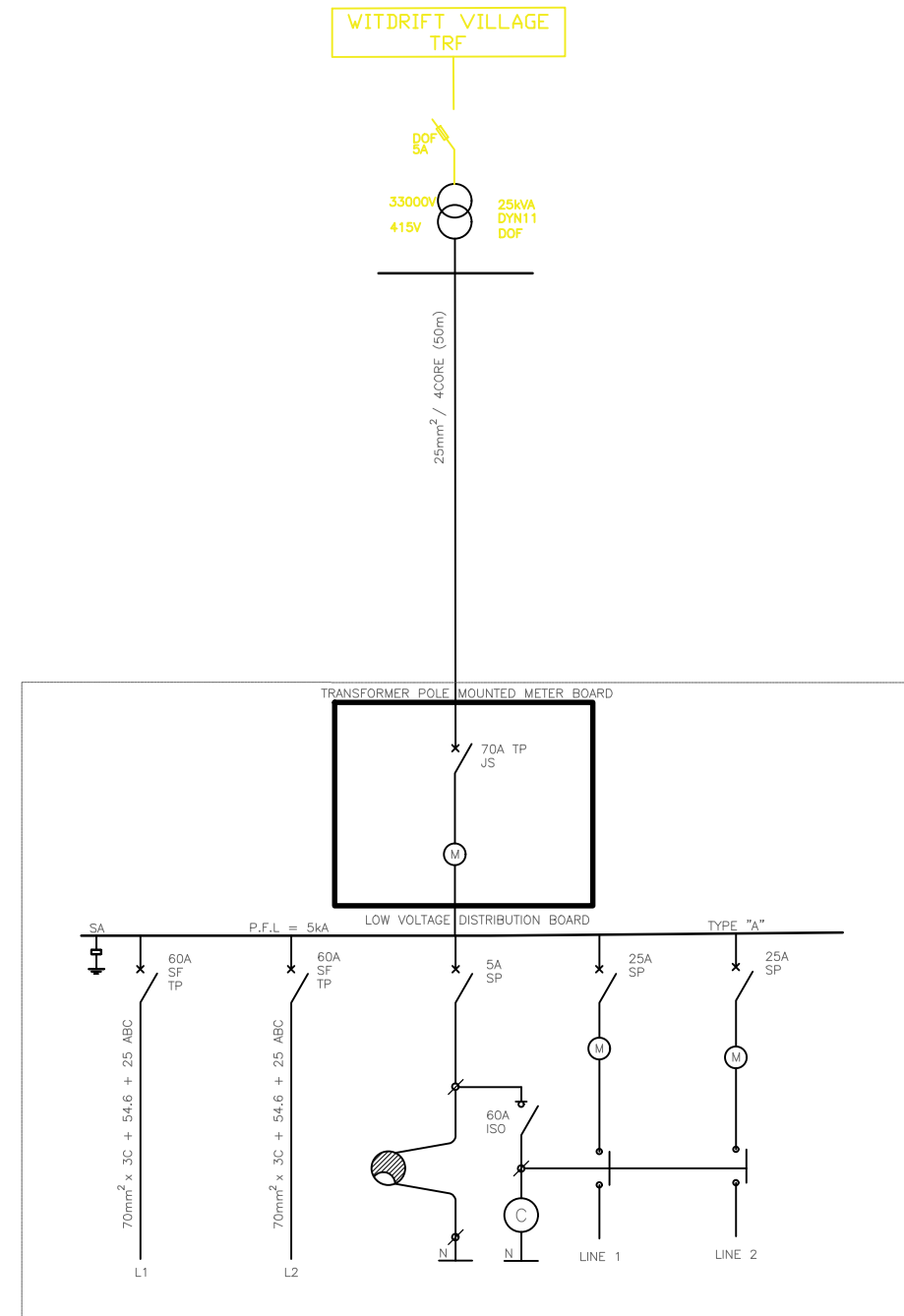
Drawing title **MEDIUM VOLTAGE LAYOUT FOR AUTO RECLOSURE**

| | | |
|---------------------------------|-----------------|---------------------------------|
| Project number: PP289 | Scale: N.T.S | Drawing number: MV-01 |
| | Revision: 0 | |

Designed by: PH Drawn by: PH Checked by: HH



KEYMAP



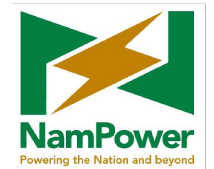
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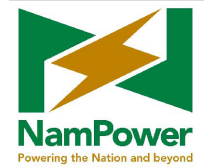
| Symbol/Line Style | Description |
|-------------------|--|
| — (Pink) | 33kV LINE |
| — (Orange) | 22kV LINE |
| — (Blue) | 19.1kV SWER LINE |
| — (Red) | 11kV OVERHEAD LINE |
| - - - (Red) | 11kV LINE UNDERGROUND |
| - - - (Green) | 400V ABC LINE |
| — (Blue) | OVERHEAD SERVICE CABLE |
| - - - (Blue) | UNDERGROUND SERVICE CABLE |
| — (Black) | TELEPHONE LINE |
| ⊗ | TRANSFORMER |
| ⊙ | LINKED FUSE (15A, TYPE K) |
| ⊘ | LOAD BREAK UNIT |
| ⊖ | STREET LIGHTS |
| ○ | LV POLE |
| ⊙ | MV POLE |
| ⊗ | KIOSK |
| FS | FLY STAY STRUCTURE |
| ⊕ | STRUT ASSEMBLY FOR 11kV LINE |
| ⊖ | STRUT ASSEMBLY FOR 11kV LINE WITH WARNING PIPE |
| ⊕ | STRUT ASSEMBLY FOR ABC LINE WITH WARNING PIPE |
| ⊖ | STRUT ASSEMBLY FOR ABC LINE |
| — | SLEEVES |
| ⊙ | 8m KIOSK POLE FOR ARD/C |
| ⊙ | 5m KIOSK POLE FOR ARD/C |
| ⊗ | KIOSK |
| ⊗ | DISTRIBUTION BOARD TYPE "A" OR "B" |
| ⊗ | POLE MOUNTED |
| ⊗ | BRICK HOUSE |
| ⊗ | SINK HOUSE |
| ⊗ | WOOD HOUSE |

Client



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USER CLIENT APPROVAL



APPROVAL PERSONEL: _____ APPROVAL DATE: ___/___/2020

Project **NAMPPOWER 2021 RURAL ELECTRIFICATION //KHARAS REGION**

Revisions

| No. | Description | Date |
|-----|-------------|------|
| | | |
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| | | |

Electrical & Mechanical Engineers

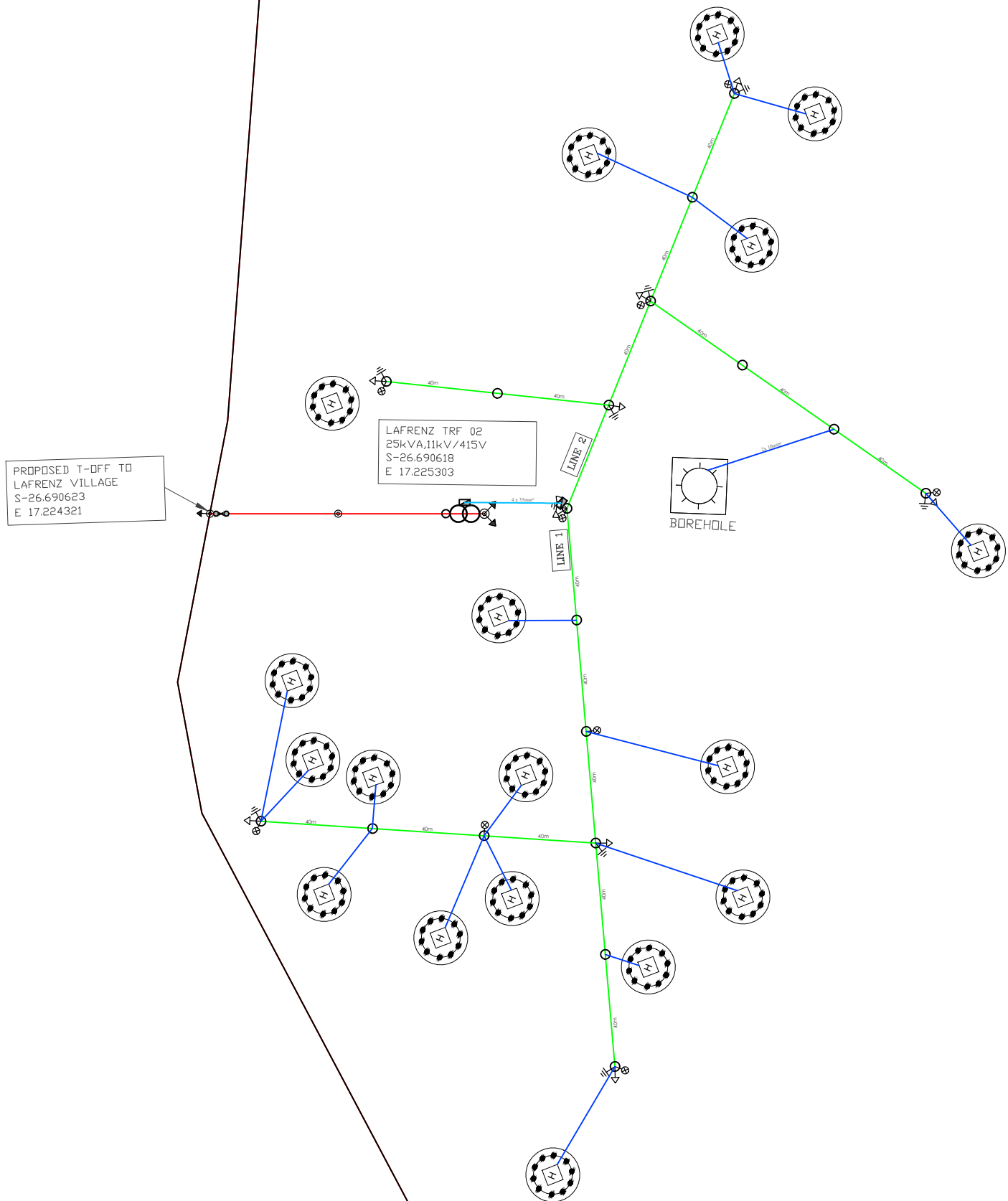


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Drawing title
ELECTRICAL LAYOUT FOR WITDRIFT VILLAGE

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: MV-00 |
| | Revision 0 | |

Designed by: PH Drawn by: PH Checked by: HH



LOW VOLTAGE LAYOUT

- Keyplan:
1. Exact positioning of Bulk Metering Kiosk to be determined on site
 2. The MV cable depth and positioning within the trench shall be in accordance with STD-E-R-07
 3. Cable markers shall be installed in accordance with STD-E-R-1

Legend:

LEGEND:

- 33kV LINE
- 22kV LINE
- 19.1kV SWER LINE
- 11kV OVERHEAD LINE
- 11kV LINE UNDERGROUND
- 400V ABC LINE
- OVERHEAD SERVICE CABLE
- UNDERGROUND SERVICE CABLE
- TELEPHONE LINE
- TELEPHONE LINE
- TRANSFORMER
- LINKED FUSE (15A, TYPE K)
- LOAD BREAK UNIT
- STREET LIGHTS
- LV POLE
- MV POLE
- KIOSK
- FLY STAY STRUCTURE
- STAY ASSEMBLY FOR 11kV LINE
- STAY ASSEMBLY FOR 11kV LINE WITH MARKING PIPE
- STAY ASSEMBLY FOR ABC LINE
- SLEEVES
- 8m KICK POLE FOR AIRDAC
- 5m KICK POLE FOR AIRDAC
- KIOSK
- DISTRIBUTION BOARD TYPE "A" OR "B"
- POLE MOUNTED
- BRICK HOUSE
- SINK HOUSE
- WOOD HOUSE

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Powering the Nation and beyond

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Project **NAMPPOWER 2021 RURAL ELECTRIFICATION //KHARAS REGION**

Revisions

| No. | Description | Date |
|-----|-------------|------|
| | | |

Electrical & Mechanical Engineers

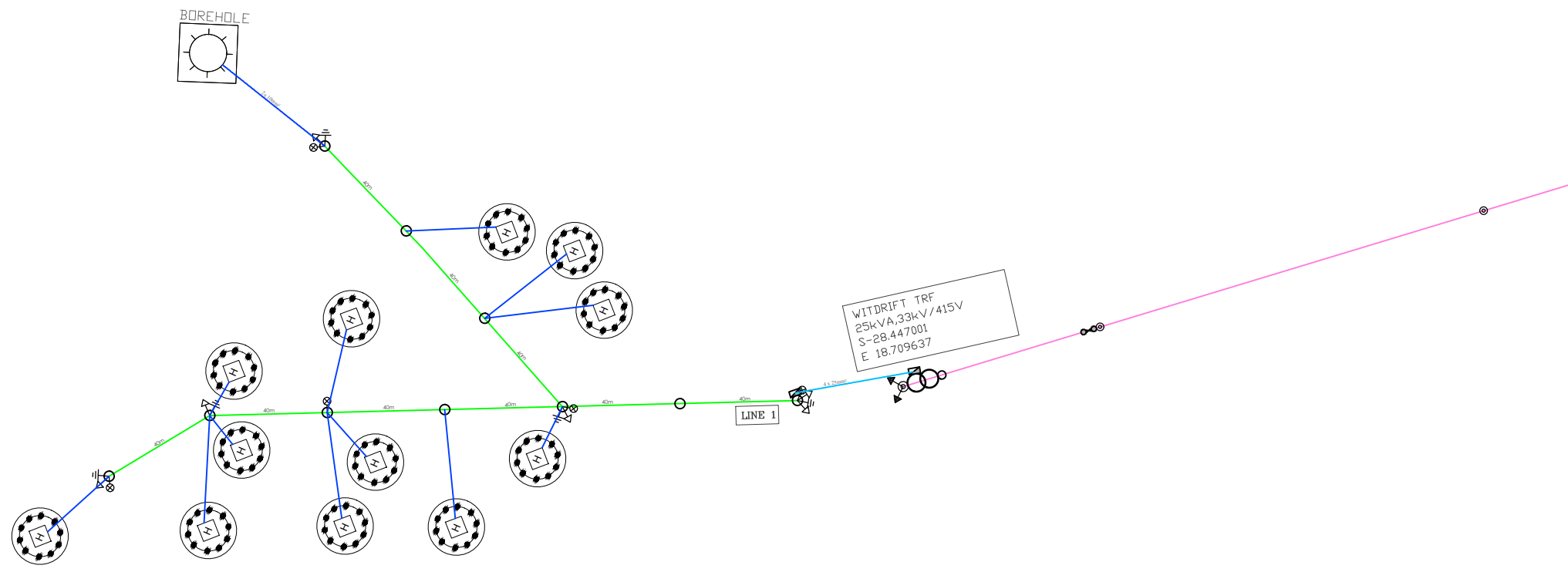
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consulting group

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T: +264 61 224 725 F: +264 88 651 6173 contact@emcongroup.com

Drawing title
LOW VOLTAGE LAYOUT FOR LAFARENZ VILLAGE TRF

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: LV-00 |
| | Revision 0 | |

Designed by: PH Drawn by: PH Checked by: HH



LOW VOLTAGE LAYOUT

- Keyplan:
1. Exact positioning of Bulk Metering Kiosk to be determined on site
 2. The MV cable depth and positioning within the trench shall be in accordance with STD-E-R-07
 3. Cable markers shall be installed in accordance with STD-E-R-1

Legend:

| LEGEND: | |
|---------|---|
| | 33kV LINE |
| | 22kV LINE |
| | 19.1kV SWER LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY STAY STRUCTURE |
| | STAY ASSEMBLY FOR 11kV LINE |
| | STAY ASSEMBLY FOR 11kV LINE WITH MARKING PIPE |
| | STAY ASSEMBLY FOR ABC LINE |
| | SLEEVES |
| | 8m KICK POLE FOR AIRDAC |
| | 5m KICK POLE FOR AIRDAC |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE 'A' OR 'B' POLE MOUNTED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |

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Project **NAMPPOWER 2021 RURAL ELECTRIFICATION //KHARAS REGION**

Revisions

| No. | Description | Date |
|-----|-------------|------|
| | | |

Electrical & Mechanical Engineers

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Drawing title
LOW VOLTAGE LAYOUT FOR WITDRIFT VILLAGE TRF

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: LV-00 |
| | Revision 0 | |

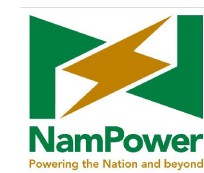
Designed by: PH Drawn by: PH Checked by: HH

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Legend:

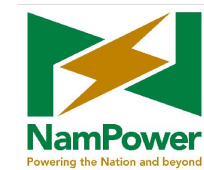
| LEGEND: | |
|---------|--|
| | 33kV LINE |
| | 22kV LINE |
| | 19.1kV SWER LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY STAY STRUCTURE |
| | STRUT ASSEMBLY FOR 11kV LINE |
| | STRUT ASSEMBLY FOR 11kV LINE WITH WARNING PIPE |
| | STRUT ASSEMBLY FOR ABC LINE |
| | STRUT ASSEMBLY FOR ABC LINE WITH WARNING PIPE |
| | SLEEVES |
| | 8m KIOSK POLE FOR ARDAC |
| | 5m KIOSK POLE FOR ARDAC |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE "A" OR "B" |
| | POLE MOUNTED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |

Client

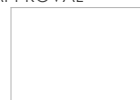


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USER CLIENT APPROVAL



APPROVAL PERSONEL: _____ APPROVAL DATE: ___/___/2020

Project **NAMPOWER 2021RURAL ELECTRIFICATION //KHARAS REGION**

Revisions

| No. | Description | Date |
|-----|-------------|------|
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| | | |

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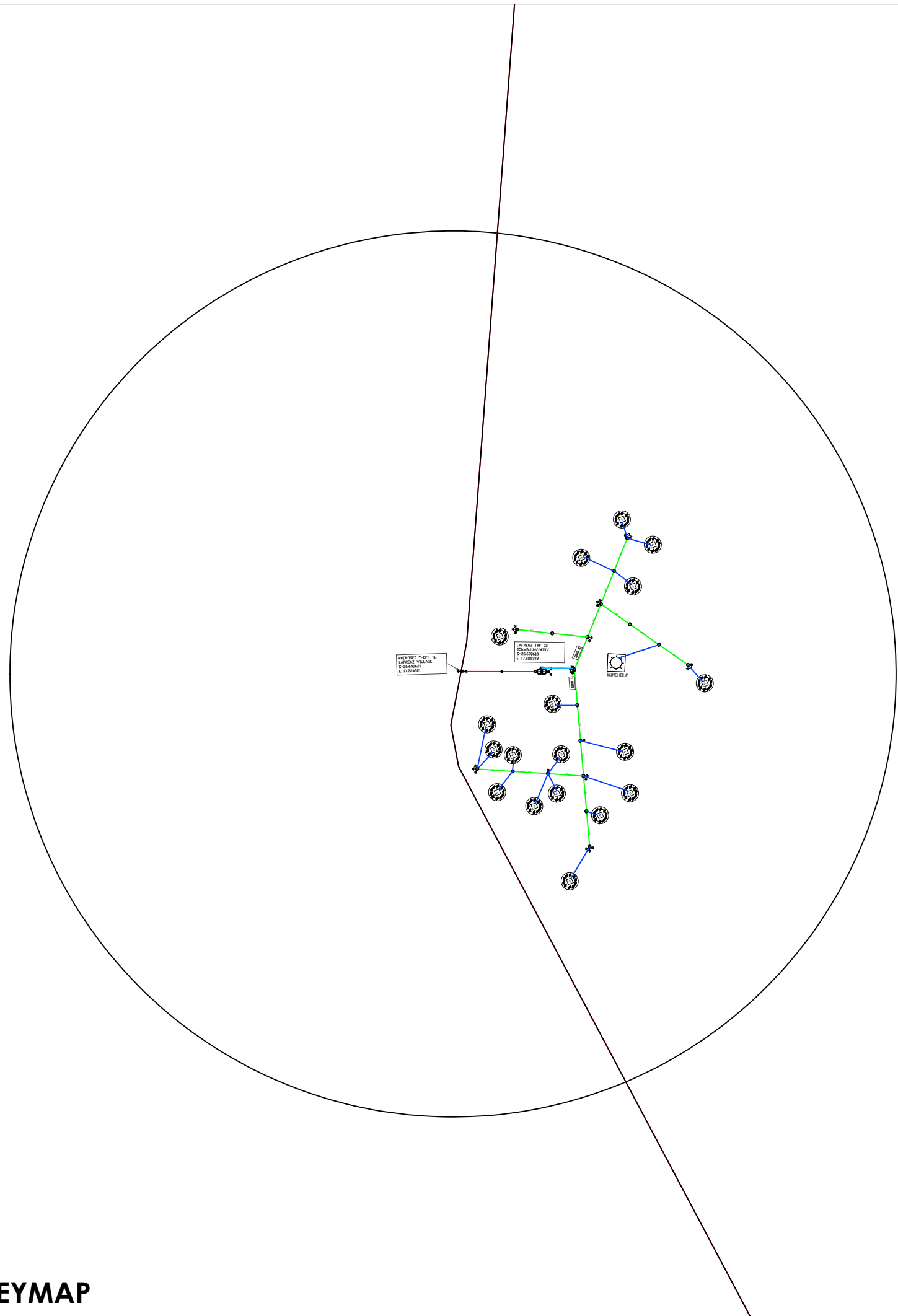


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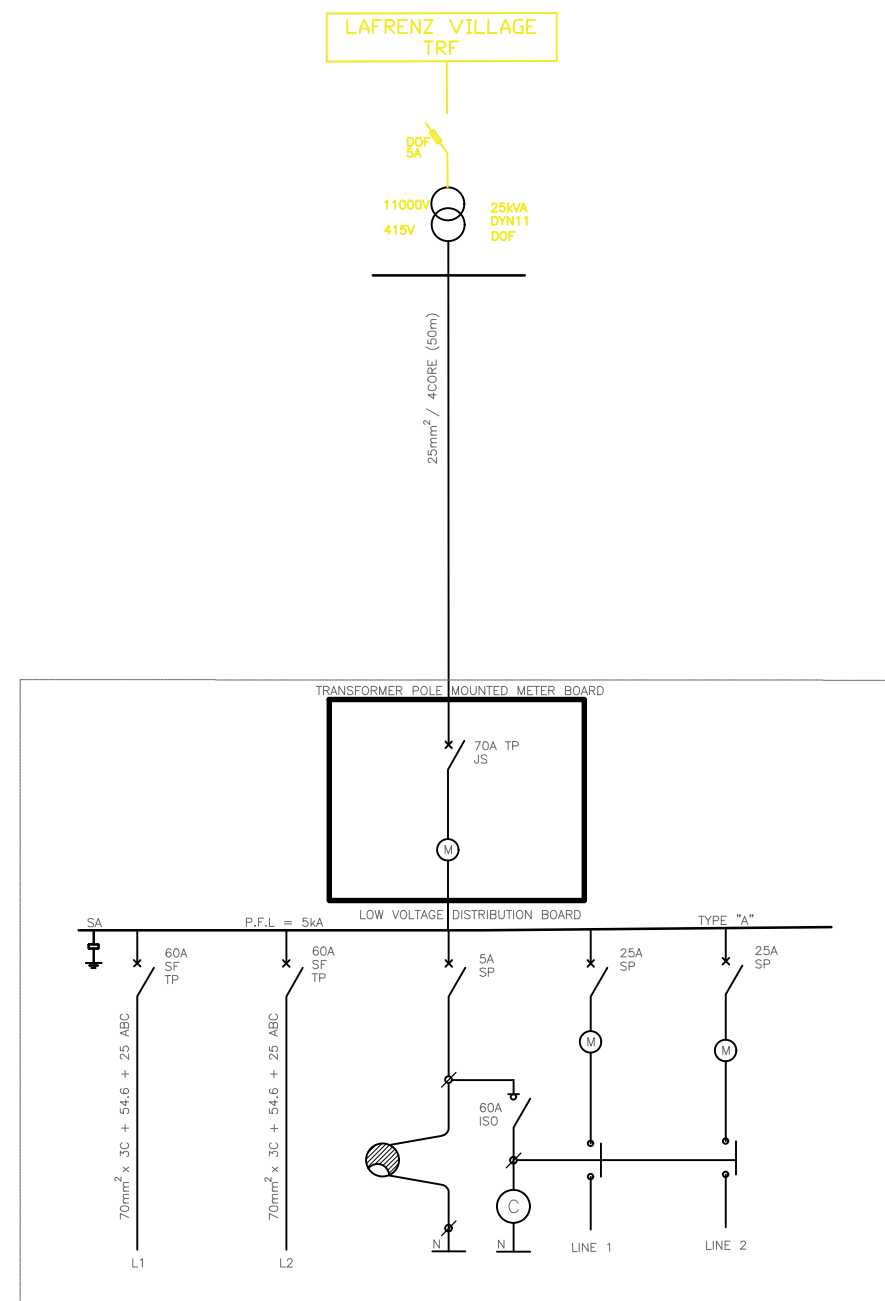
Drawing title
ELECTRICAL LAYOUT FOR LAFARENZ VILLAGE

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: MV-00 |
| | Revision 0 | |

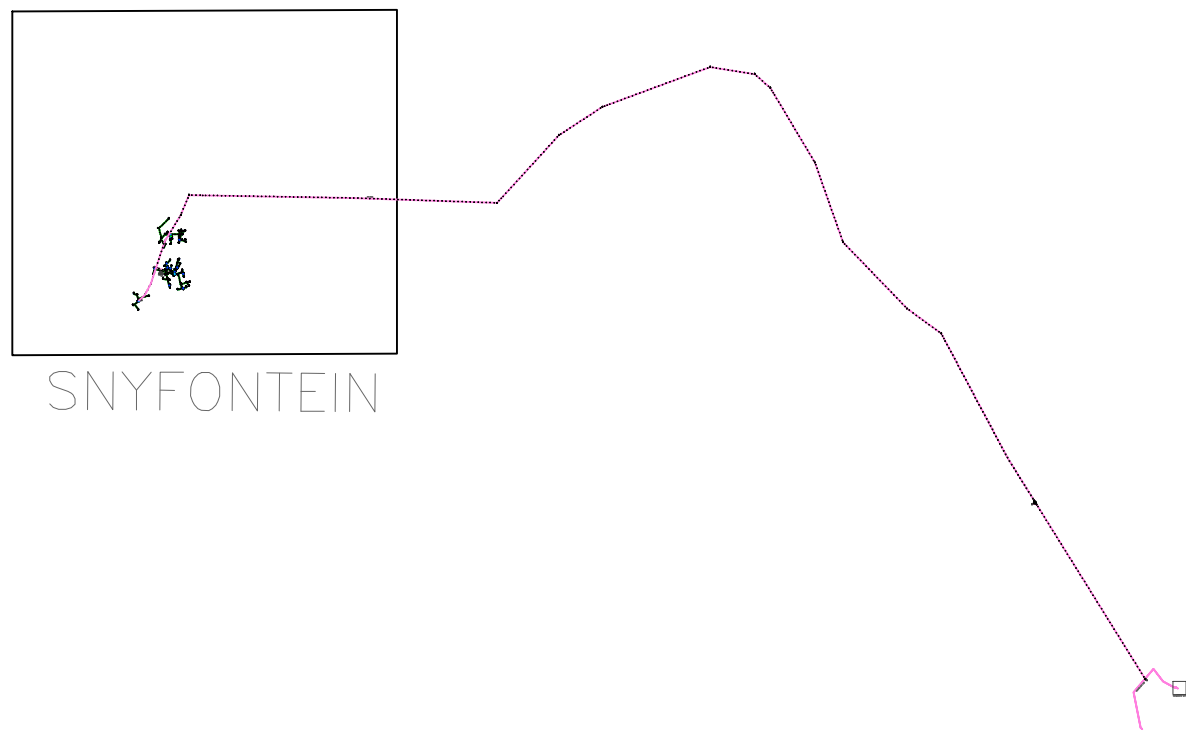
Designed by: PH Drawn by: PH Checked by: HH



SLD



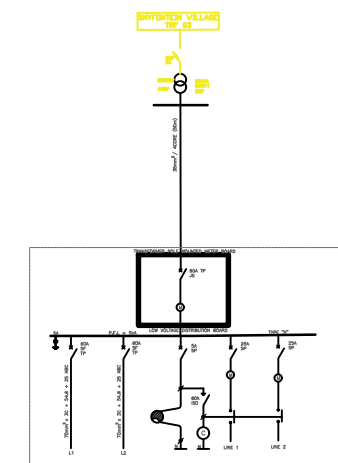
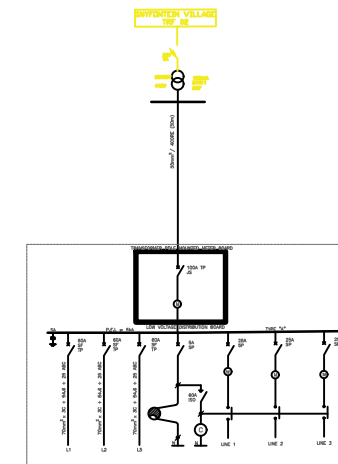
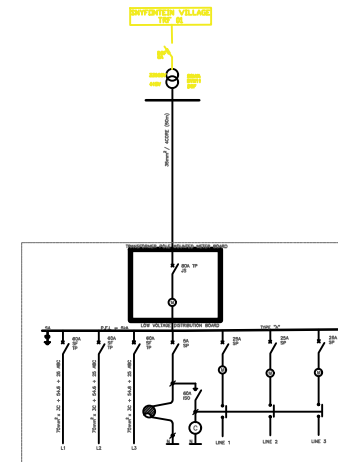
KEYMAP



SNYFONTEIN



KEYMAP



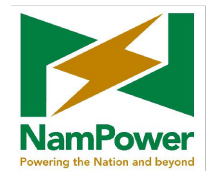
SLD

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Legend:

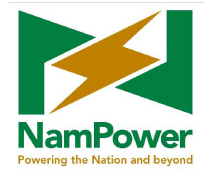
| LEGEND: | |
|---------|--|
| | 33kV LINE |
| | 22kV LINE |
| | 19.1kV SWER LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY STAY STRUCTURE |
| | STRUT ASSEMBLY FOR 11kV LINE |
| | STRUT ASSEMBLY FOR 11kV LINE WITH WARNING PIPE |
| | STRUT ASSEMBLY FOR ABC LINE |
| | SLEEVES |
| | 8m KIOSK POLE FOR ARDAC |
| | 5m KIOSK POLE FOR ARDAC |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE "A" OR "B" |
| | POLE MOUNTED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |

Client



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USER CLIENT APPROVAL



APPROVAL PERSONNEL: _____ APPROVAL DATE: ___/___/2020

Project **NAMPPOWER 2021 RURAL ELECTRIFICATION //KHARAS REGION**

Revisions

| No. | Description | Date |
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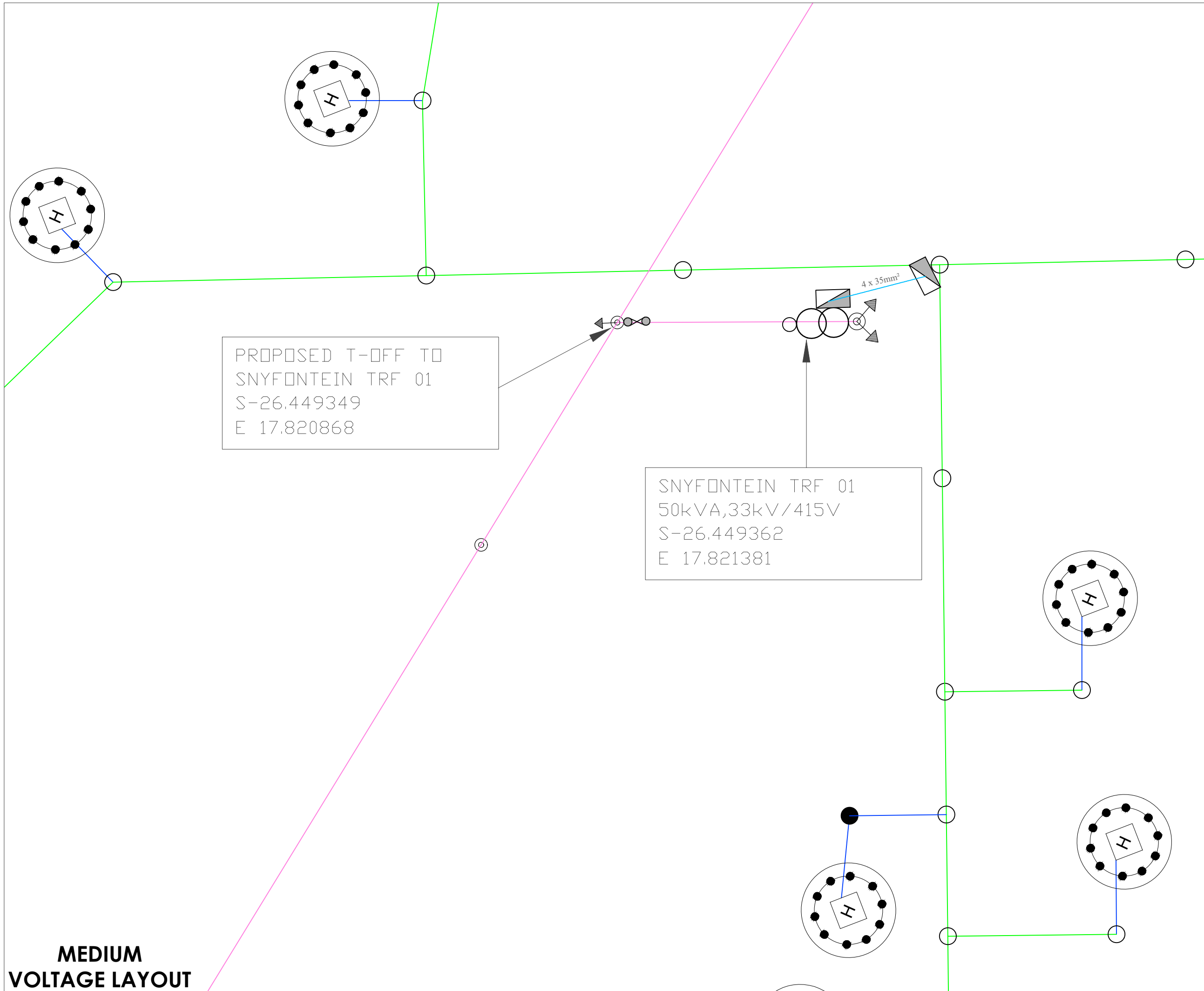


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Drawing title
ELECTRICAL LAYOUT FOR SNYFONTEIN VILLAGE

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: MV-00 |
| | Revision 0 | |

Designed by: PH Drawn by: PH Checked by: HH



**MEDIUM
VOLTAGE LAYOUT**

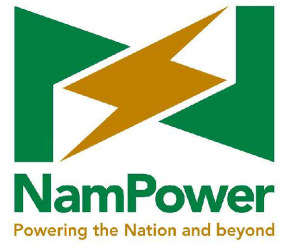
Keyplan:

1. Exact positioning of Bulk Metering Kiosk to be determined on site
2. The MV cable depth and positioning within the trench shall be in accordance with STD-E-R-07
3. Cable markers shall be installed in accordance with STD-E-R-1

Legend:

| LEGEND: | |
|---------|--|
| | 33kV LINE |
| | 22kV LINE |
| | 19.1kV SWER LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY STAY STRUCTURE |
| | STRUT ASSEMBLY FOR 11kV LINE |
| | STRUT ASSEMBLY FOR 11kV LINE WITH MARKING PIPE |
| | STRUT ASSEMBLY FOR ABC LINE |
| | SLEEVES |
| | 8m KICK POLE FOR AIRDAC |
| | 5m KICK POLE FOR AIRDAC |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE 'A OR B' POLE MOUNTED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |

Client



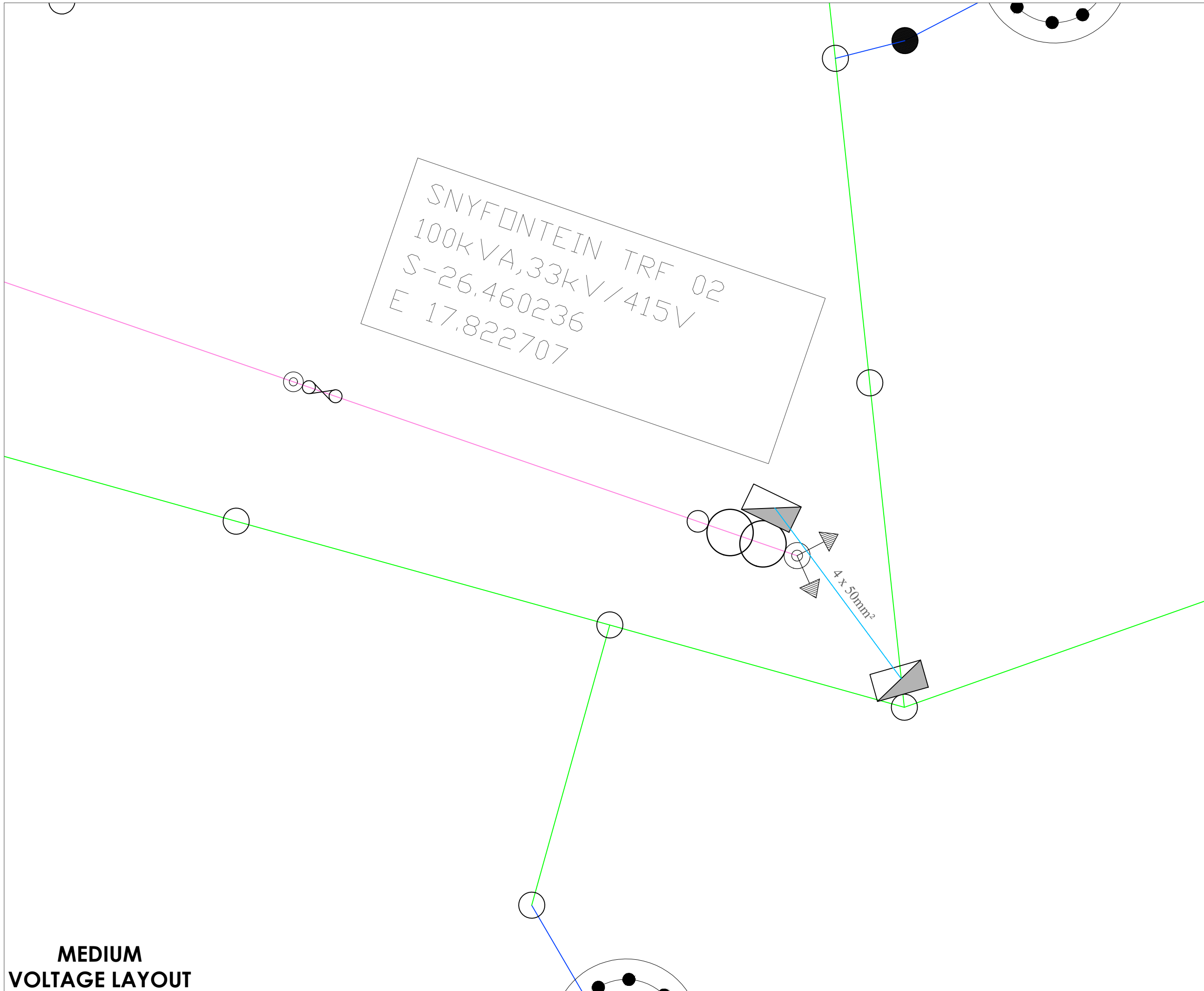
Project **NAMPPOWER 2021 RURAL ELECTRIFICATION //KHARAS REGION**

| Revisions | | |
|-----------|-------------|------|
| No. | Description | Date |
| | | |
| | | |



Drawing title
MEDIUM VOLTAGE LAYOUT FOR SNYFONTEIN VILLAGE TRF 01

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: MV-02 |
| | Revision 0 | |



MEDIUM VOLTAGE LAYOUT

- Keyplan:
1. Exact positioning of Bulk Metering Kiosk to be determined on site
 2. The MV cable depth and positioning within the trench shall be in accordance with STD-E-R-07
 3. Cable markers shall be installed in accordance with STD-E-R-1

Legend:

| LEGEND: | |
|---------|---|
| | 33kV LINE |
| | 22kV LINE |
| | 19.1kV SWER LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY STAY STRUCTURE |
| | STAY ASSEMBLY FOR 11kV LINE |
| | STAY ASSEMBLY FOR 11kV LINE WITH MARKING PIPE |
| | STAY ASSEMBLY FOR ABC LINE |
| | SLEEVES |
| | 8m KICK POLE FOR AIRDAC |
| | 5m KICK POLE FOR AIRDAC |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE 'A' OR 'B' POLE MOUNTED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |

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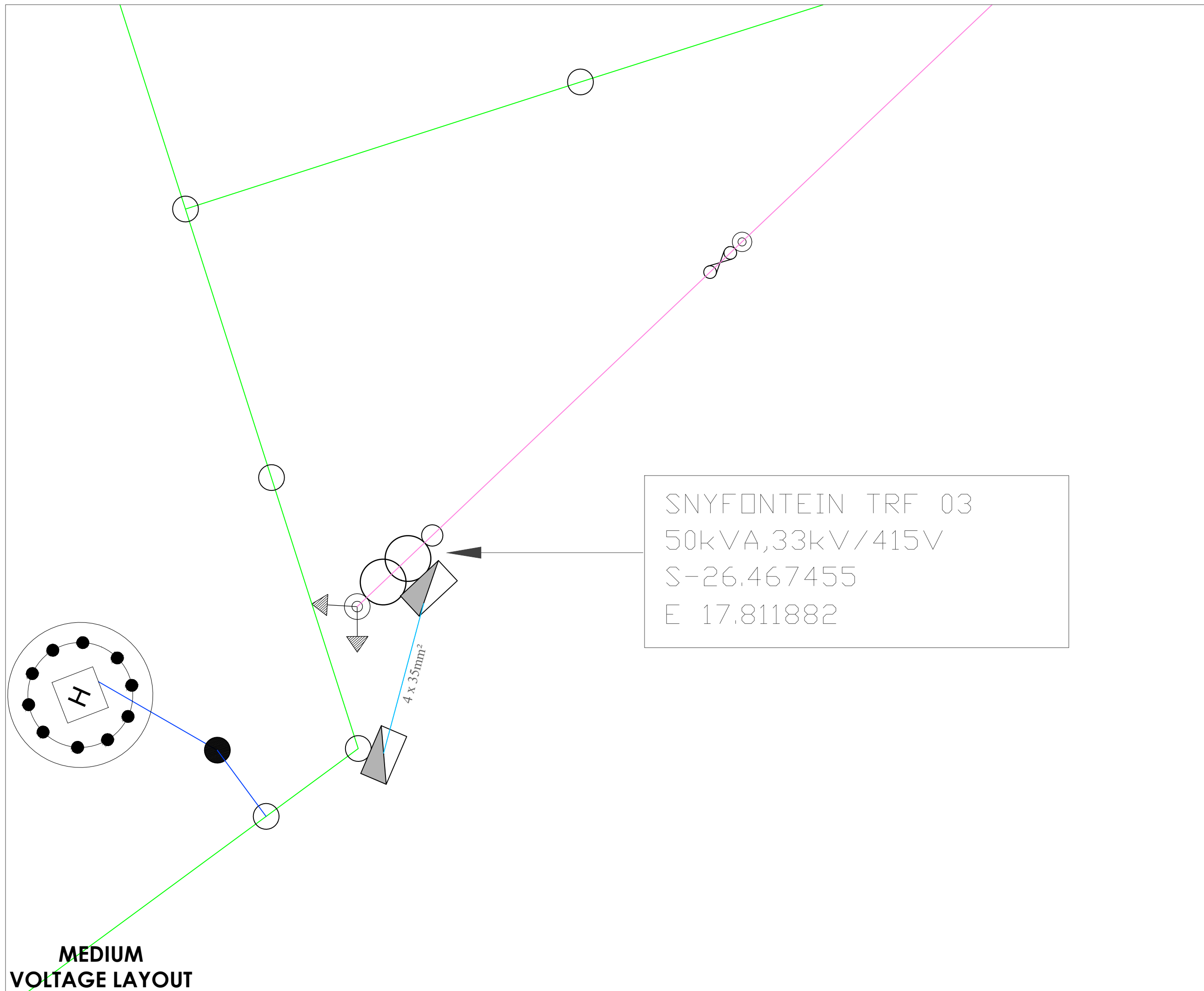
Electrical & Mechanical Engineers

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Drawing title
MEDIUM VOLTAGE LAYOUT FOR SNYFONTEIN VILLAGE TRF 02

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: MV-03 |
| | Revision 0 | |

Designed by: PH Drawn by: PH Checked by: WH



- Keyplan:
1. Exact positioning of Bulk Metering Kiosk to be determined on site
 2. The MV cable depth and positioning within the trench shall be in accordance with STD-E-R-07
 3. Cable markers shall be installed in accordance with STD-E-R-1

Legend:

| LEGEND: | |
|---------|---|
| | 33kV LINE |
| | 22kV LINE |
| | 19.1kV SWR LINE |
| | 11kV OVERHEAD LINE |
| | 11kV LINE UNDERGROUND |
| | 400V ABC LINE |
| | OVERHEAD SERVICE CABLE |
| | UNDERGROUND SERVICE CABLE |
| | TELEPHONE LINE |
| | TRANSFORMER |
| | LINKED FUSE (15A, TYPE K) |
| | LOAD BREAK UNIT |
| | STREET LIGHTS |
| | LV POLE |
| | MV POLE |
| | KIOSK |
| | FLY STAY STRUCTURE |
| | STAY ASSEMBLY FOR 11kV LINE |
| | STAY ASSEMBLY FOR 11kV LINE WITH MARKING PIPE |
| | STAY ASSEMBLY FOR ABC LINE |
| | STAY ASSEMBLY FOR ABC LINE WITH MARKING PIPE |
| | SLEEVES |
| | 8m KICK POLE FOR AIRDAC |
| | 5m KICK POLE FOR AIRDAC |
| | KIOSK |
| | DISTRIBUTION BOARD TYPE 'A' OR 'B' POLE MOUNTED |
| | BRICK HOUSE |
| | SINK HOUSE |
| | WOOD HOUSE |

Client

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Electrical & Mechanical Engineers

emcon
consulting group

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Drawing title
MEDIUM VOLTAGE LAYOUT FOR SNYFONTEIN VILLAGE TRF 03

| | | |
|---------------------------------|----------------|---------------------------------|
| Project number: PP289 | Scale N.T.S | Drawing number: MV-04 |
| | Revision 0 | |

Designed by: PH Drawn by: PH Checked by: WH