

## SCOPE OF WORK

1. ERECT 10.2m WOODEN POLE AT LOCATIONS MARKED 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 13/1, 14, 15, 16, 17 & 18.
2. ERECT 11m POLE @ LOCATIONS MARKED 7 & 10.
3. STRING 1Ø HV HELIUM CONDUCTOR FROM POLE A TO 10 VIA 1, 2, 3, 4, 5, 6, 7, 8 & 9.
4. STRING 1Ø LV HELIUM CONDUCTOR FROM POLE 4 TO POLE 18 VIA 5, 6, 7, 8, 9, 10, 11, 12, 13, 13/1, 14, 15, 16, 17 & 18.
5. INSTALL A 5KVA TRANSFORMER AT POLE 10

## LEGEND

- LV POLE
- HV POLE
- ⊙ HV & LV POLE
- ⊕ PROP. POLE MOUNTED TRANSFORMER
- ⊖ EXIST. POLE MOUNTED TRANSFORMER
- EXISTING O/H CONDUCTOR
- - - PROPOSED O/H CONDUCTOR
- GROUND STAY
- FLY STAY

WORK COMPLETED  
COPYTO BE RETURNED TO THE GIS OFFICE ON  
COMPLETION OF THE CONSTRUCTION WORKI certify that the details shown on this plan  
are a true record of the work as constructedSigned  
Date

## LEGEND - HV CIRCUIT

- HV POLE
  - ⊖ EXIST. POLE MOUNTED TRANSFORMER
  - ⊕ PROP. POLE MOUNTED TRANSFORMER
  - DROP OUT FUSE
  - EXISTING O/H CONDUCTOR
  - - - STRING 2 x 7/3.75AAAC HELIUM.
- TOTAL ROUTE LENGTH = 799m

## FINAL HV CIRCUIT

## LV LEGEND

- ⊕ PROP. 5KVA TRANSFORMER
  - LV POLES ONLY
  - TERMINATION POINT
  - BRIDGING POINT
  - STRAIN POINT
  - - - STRING 2 x 7/3.75AAAC HELIUM.
- TOTAL ROUTE LENGTH = 1376m

## FINAL LV CIRCUIT

| POLE SCHEDULE |  |                               |        |                                 |                                  |      |           |     |                            |
|---------------|--|-------------------------------|--------|---------------------------------|----------------------------------|------|-----------|-----|----------------------------|
| POLE No.      | POLE DESCRIPTION WOOD/CONC OR EXISTING | POLE Length and Strength m/kN | SPAN m | ANGLE OF LINE DEVIATION IN DEG. | POLE TOP DESCRIPTION OR TYPE No. | GRND | SIDE-WALK | FLY | REMARKS                    |
| A             | EXIST.                                 | EXIST.                        | —      | —                               | EXIST + 13A                      |      |           |     | STRING 1Ø HV ONLY          |
| 1             | WOODEN                                 | 10.2/6                        | 85     | 9                               | 11A                              |      |           |     | INSTALL T/OFF DROPOUT FUSE |
| 2             | "                                      | 10.2/6                        | 85     | 6                               | 11A                              |      |           |     | STRING 1Ø HV ONLY          |
| 3             | "                                      | 10.2/6                        | 90     | 0                               | 11A                              |      |           |     | " " " " "                  |
| 4             | "                                      | 10.2/6                        | 78     | 6                               | 11A+3A                           |      |           |     | STRING 1Ø HV & LV          |
| 5             | "                                      | 10.2/6                        | 70     | 2                               | 11A+1A                           |      |           |     | " " " " "                  |
| 6             | "                                      | 10.2/6                        | 68     | 12                              | 11A+1A                           |      |           |     | " " " " "                  |
| 7             | CONC                                   | 11/5.5                        | 68     | 80                              | 13A+18A+3A+3A                    | 1    |           | 1   | " " " " "                  |
| 8             | WOODEN                                 | 10.2/6                        | 71     | 6                               | 11A+1A                           |      |           |     | " " " " "                  |
| 9             | "                                      | 10.2/6                        | 94     | 11                              | 11A+1A                           |      |           |     | " " " " "                  |
| 10            | CONC                                   | 11/5                          | 90     | 3                               | 13A+1A+REM                       | 1    |           |     | PROPOSED 5KVA Txf          |
| 11            | WOODEN                                 | 10.2/6                        | 90     | 1                               | 1A                               |      |           |     | STRING 1Ø LV ONLY          |
| 12            | "                                      | 10.2/6                        | 88     | 2                               | 1A                               |      |           |     | " " " " "                  |
| 13            | "                                      | 10.2/6                        | 78     | 32/-                            | 2A+3A                            | 1    |           |     | " " " " "                  |
| 13/1          | "                                      | 10.2/6                        | 69     | —                               | 3A                               | 1    |           |     | " " " " "                  |
| 14            | "                                      | 10.2/6                        | 90     | 19                              | 1A                               |      |           |     | " " " " "                  |
| 15            | "                                      | 10.2/6                        | 92     | 11                              | 1A                               |      |           |     | " " " " "                  |
| 16            | "                                      | 10.2/6                        | 92     | 32                              | 2A                               | 1    |           |     | " " " " "                  |
| 17            | "                                      | 10.2/6                        | 80     | 2                               | 1A                               |      |           |     | " " " " "                  |
| 18            | "                                      | 10.2/6                        | 47     | —                               | 3A                               | 1    |           |     | " " " " "                  |

|                    |         |          |
|--------------------|---------|----------|
| DRAWN              | SHANE   | 12.10.17 |
| CHECKED            | Kavshel | 13/10/17 |
| CHIEF DRAUGHTSMAN  |         | 13/10/17 |
| TEAM LEADER        |         | 13/10/17 |
| ENGINEER           |         | 13/10/17 |
| HEAD OF DEPARTMENT |         | 13/10/17 |

FIJI ELECTRICITY AUTHORITY

SUPPLY TO BRUCE FERGUSON &amp; OTHERS

NADI DISTRICT

SABETO AREA (NA 06-16)

DRAWING NUMBER

A3 04 N84 199

SCALE NTS

| No. | REVISION       | DATE     | BY | CHK | PSD | APP |
|-----|----------------|----------|----|-----|-----|-----|
| 0   | ORIGINAL ISSUE | 11.10.17 | SK |     |     |     |