

LEGEND

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

SCOPE OF WORK

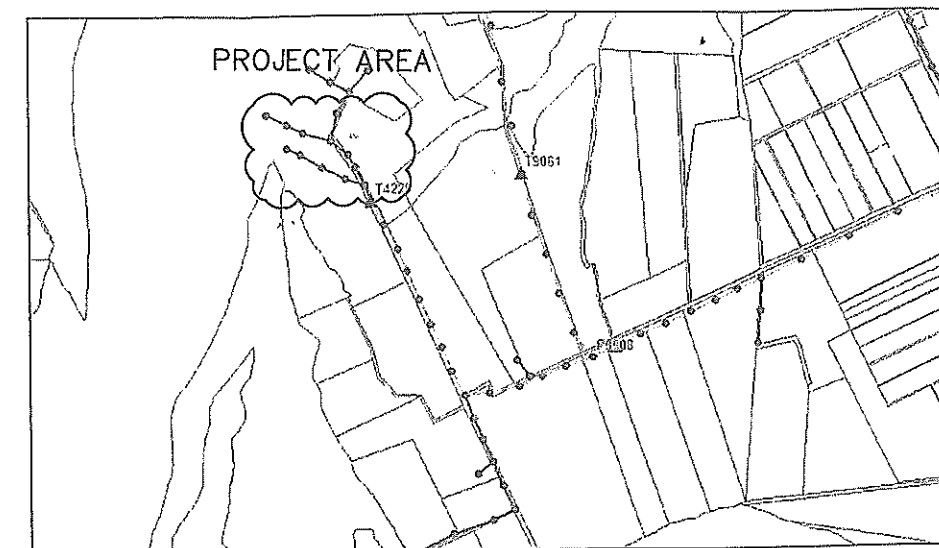
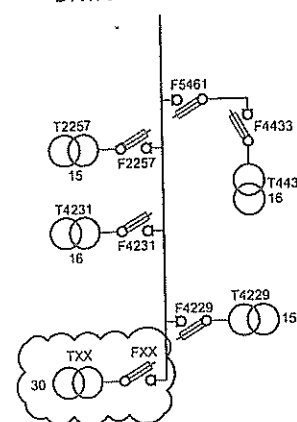
- UPGRADE POLE D TO 11m RC POLE.
- ERECT 10.2m RC POLES AT LOCATIONS MARKED 1,2,3,3/1,4 & 5.
- STRING 1Ø HV HELIUM CONDUCTOR FROM POLE A TO D VIA POLES 1, B & C.
- INSTALL 30kVA TXF AT POLE D.
- STRING 1Ø LV HELIUM CONDUCTOR FROM POLE 1 TO 5 VIA POLES 2,3 & 4 AND FROM POLE 3 TO 3/1.
- INSTALL N/O LV LINK @ POLE C.

LEGEND

- TERMINATION POINT
 - BRIDGING POINT
 - STRAIN POINT
 - LV LINK
 - ⊙ PROPOSED TRANSFORMER
 - EXISTING O/H LINE
 - - - STRING 2 x 7/3.75AAAC HELIUM
- TOTAL ROUTE LENGTH = 170m

SINGLE LINE DIAGRAM

DRWG NO. 04 N20 053



FINAL HV CIRCUIT

PROP. 30kVA ⊙ DOF

LEGEND

- HV POLE
 - DROP-OUT FUSE
 - ⊙ PROPOSED TRANSFORMER
 - EXISTING O/H CONDUCTOR
 - - - STRING 2 x 7/3.75AAAC HELIUM
- TOTAL ROUTE LENGTH = 130m

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.	EX	—	—	EX+14A				STRING 1Ø HV HELIUM ONLY
1	CONC.	10.2/6	38	—	11A+1A+3A				STRING 1Ø LV CONDUCTOR
B	EXIST.	EX	13	—	EX+11A				STRING 1Ø HV HELIUM ONLY
C	EXIST.	EX	32	—	12A+5A				PROP. N/O LV LINK
D	CONC.	11/5.5	50	—	13A+REM				PROP. 30 kVA TXF
2	CONC.	10.2/6	36	24	2A	1			STRING 1Ø LV CONDUCTOR
3	CONC.	10.2/6	34	3	1A+3A	1			" " " "
3/1	CONC.	10.2/6	34	159	3A	1			" " " "
4	CONC.	10.2/6	42	91	3A+3A	2			" " " "
5	CONC.	10.2/6	40	—	3A	1			" " " "

No.	REVISION	DATE	BY	CHK	PSD	APP
0	ORIGINAL ISSUE	21.9.17	JV			

	DRAWN	JONE	23.9.17
	CHECKED		26/9/17
	CHIEF DRAUGHTSMAN		26/09/17
	TEAM LEADER DESIGN & PLANNING	Ritesh K	26/09/17
	ENGINEER	Deena	27/09/17
	HEAD OF DEPARTMENT		27/9/17

FIJI ELECTRICITY AUTHORITY

SUPPLY TO VOTUA VILLAGE
BA DISTRICT
VOTUA VILLAGE (BA01/17)

DRAWING NUMBER

A3 08 N82 123

SCALE 1 : 2000