

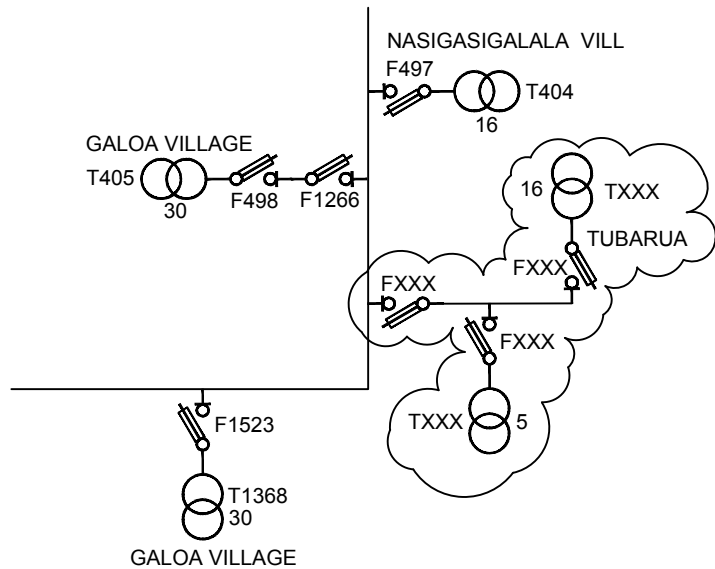
A1 04 N72 039

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
- FLY/GROUND STAY

CUTLINE A - A'

FINAL SINGLE LINE DIAGRAM  
REF NO. DRWG 04 N10 027



LOCALITY PLAN

POLE SCHEDULE

POLE NO.	POLE DESCRIPTION WOOD/CONC OR EXIST.	POLE LENGTH STRENGTH H m/kN	SPAN m	ANGLE OF DEVIATION IN DEG.	POLE TOP DESCRIPTION OR DRESSINGS	STAYS			REMARKS
						GRND	FLY	FLY +GRND	
A	EXIST.	EXIST.	EXIST.	EXIST.	EXIST+18A	EX			EXIST + PROP 10 HV + PROP HV FUSE
1	CONC.	11/5.5	80	30	12A		1		PROP 10 HV ONLY
2	CONC.	10.2/6	60	25	12A	1			" " " " "
3	CONC.	10.2/6	75	5	11A				" " " " "
4	CONC.	10.2/6	70	35	12A	1			" " " " "
5	CONC.	10.2/6	80	0	11A				" " " " "
6	CONC.	10.2/6	80	25	12A	1			" " " " "
7	CONC.	10.2/6	80	15	11A	1			" " " " "
8	CONC.	10.2/6	70	5	11A				" " " " "
9	CONC.	10.2/6	80	5	14A				" " " " "
10	CONC.	10.2/6	80	20	11A	1			" " " " "
11	CONC.	10.2/6	80	15	11A	1			" " " " "
12	CONC.	10.2/6	80	15	11A	1			" " " " "
13	CONC.	10.2/6	80	30	12A	1			" " " " "
14	CONC.	10.2/6	70	20	11A	1			" " " " "
15	CONC.	10.2/6	80	10	11A	1			" " " " "
16	CONC.	10.2/6	75	5	11A				" " " " "
17	CONC.	10.2/6	80	5	11A				" " " " "
18	CONC.	10.2/6	80	15	11A	1			" " " " "
19	CONC.	10.2/6	50	15	14A		1		" " " " "
20	CONC.	10.2/6	80	10	11A	1			" " " " "
21	CONC.	10.2/6	80	35	12A	1			" " " " "
22	CONC.	10.2/6	80	15	11A	1			" " " " "
23	CONC.	10.2/6	80	30	12A	1			" " " " "
24	CONC.	10.2/6	60	25	12A	1			" " " " "
25	CONC.	10.2/6	75	5	11A				" " " " "
26	CONC.	10.2/6	65	20	11A	1			" " " " "
27	CONC.	10.2/6	50	50	12A	1			" " " " "
28	CONC.	10.2/6	60	55	14A	1			" " " " "
29	CONC.	10.2/6	80	20	11A	1			" " " " "
30	CONC.	10.2/6	80	30	12A	1			" " " " "
31	CONC.	10.2/6	80	40	12A	1			" " " " "
32	CONC.	10.2/6	80	25	12A	1			" " " " "
33	CONC.	10.2/6	80	0	11A				" " " " "
34	CONC.	10.2/6	80	40	12A	1			" " " " "
35	CONC.	10.2/6	80	15	11A	1			" " " " "
36	CONC.	10.2/6	80	20	11A	1			" " " " "
37	CONC.	10.2/6	70	20	11A	1			" " " " "
38	CONC.	10.2/6	100	0	14A				" " " " "
39	CONC.	10.2/6	80	5	11A				" " " " "
40	CONC.	10.2/6	75	5	11A				" " " " "
41	CONC.	10.2/6	70	20	11A	1			" " " " "
42	CONC.	11/5.5	80	25	12A	1			PROP 10 HV + PROP 5kVA TXFR
43	CONC.	10.2/6	70	25	12A	1			PROP 10 HV ONLY
44	CONC.	10.2/6	80	5	11A				" " " " "
45	CONC.	10.2/6	80	25	12A		1		" " " " "
46	CONC.	10.2/6	75	35	12A	1			" " " " "

CUTLINE B - B'

NOTES:

1. INSTALL 53x10.2m CONCRETE POLES MARKED '2' TO '41', '43' TO '50' & '52' TO '52/3' AND 1x11.0m CONCRETE POLE MARKED '1', '42' & '51' C/W DRESSINGS & STAY WHERE REQUIRED. 10.2m WOODEN POLES ARE MARKED 52/4, 53, 53/1, 54, 54/1, 55, 56 & 57.
2. STRING 2x7/3.75 AAAC LV HELIUM CONDUCTORS FROM POLE MARKED '51' THROUGH TO '57'. RL= 0.890km AND 2x7/3.75 AAAC HV HELIUM CONDUCTORS FROM POLE MARKED 'A' THROUGH TO '51'. RL= 3.870km
3. INSTALL 1x16kVA POLE MOUNTED TRANSFORMER ON POLE MARKED '51' AND 1x5kVA ON POLE MARKED '42'.
4. CARRY OUT VEGETATION MANAGEMENT (PRUNE AND CUT TREES) ALONG THE PROPOSED ROUTE.



DRAWN	RAULUIOROR	23.08.17
CHECKED		
CHIEF DRAUGHTSMAN		30.08.17
TEAM LEADER DESIGN & PLANNING		30.08.17
ENGINEER		
HEAD OF DEPARTMENT		31/08/17

FIJI ELECTRICITY AUTHORITY

SUPPLY TO TUBARUA SETTLEMENT  
SERUA DISTRICT  
GALOA (DE01.02)

DRAWING NUMBER

A1 04 N72 039

SCALE 1 : 2500

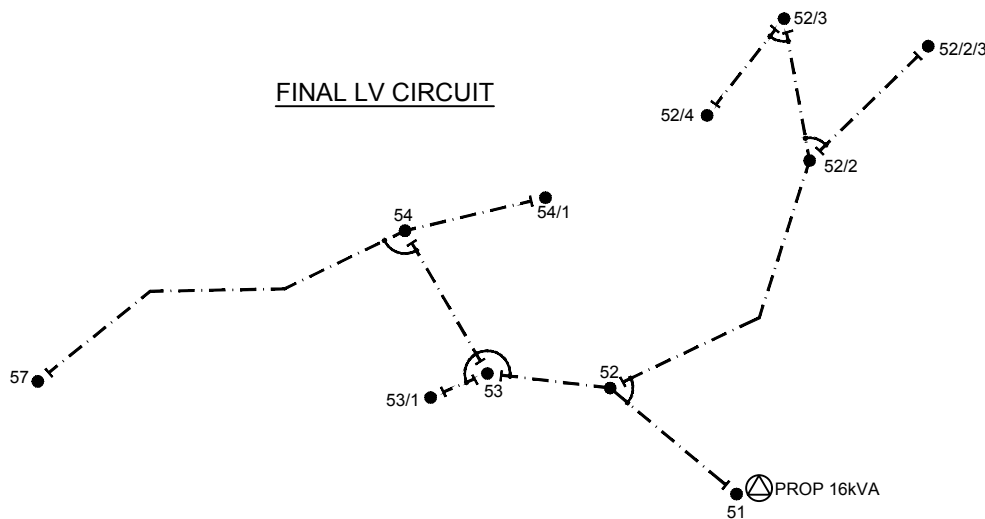
No.	REVISION	DATE	BY	CHK	PSD	APP	REFERENCE	CAD FILENAME	DRAWING No.	TITLE
0	ORIGINAL ISSUE	23.08.17	RR							



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
- FLY/GROUND STAY

FINAL LV CIRCUIT



LEGEND - LV CIRCUIT

- ⊙ PROPOSED TRANSFORMERS
- TERMINATION POINT
- STRAIN POINT
- BRIDGING POINT
- - - STRING 7/3.75AAAC HELIUM CONDUCTOR.  
TOTAL ROUTE LENGTH 1Ø LV = 890m

POLE SCHEDULE

POLE NO.	POLE DESCRIPTION WOOD/CONC OR EXIST	POLE LENGTH STRENGTH H m/VN	SPAN m	ANGLE OF DEVIATION IN DEG.	POLE TOP DESCRIPTION OR DRESSINGS	STAYS			REMARKS
						GRND	FLY	FLY +GRND	
47	CONC.	10.2/6	80	10	11A	1			PROP 1Ø HV ONLY
48	CONC.	10.2/6	100	5	11A				" " " " " "
49	CONC.	10.2/6	100	18	11A		1		" " " " " "
50	CONC.	10.2/6	95	53	14A	1			" " " " " "
51	CONC.	11/5.5	80	5	13A+3A	1			PROP 1Ø HV + PROP 1Ø LV PROP 16kVA TXFR
52	CONC.	10.2/6	80	32	3A+2A	2			PROP 1Ø LV ONLY
52/1	CONC.	10.2/6	80	47	4A	1			" " " " " "
52/2	CONC.	10.2/6	80	28	2A+3A		1		" " " " " "
52/2/3	CONC.	10.2/6	80	-	3A	1			" " " " " "
52/3	CONC.	10.2/6	70	131	3A+3A	2			" " " " " "
52/4	WOOD.	10.2/6	60	-	3A	1			" " " " " "
53	WOOD.	10.2/6	60	53	4A+3A	1			" " " " " "
53/1	WOOD.	10.2/6	30	-	3A	1			" " " " " "
54	WOOD.	10.2/6	80	12	1A+3A	1			" " " " " "
54/1	WOOD.	10.2/6	70	-	3A	1			" " " " " "
55	WOOD.	10.2/6	65	25	2A	1			" " " " " "
56	WOOD.	10.2/6	65	38	2A	1			" " " " " "
57	WOOD.	10.2/6	70	-	3A	1			" " " " " "

LEGEND - HV CIRCUIT

- ⊙ DROPOUT FUSE & ABS
- ⊙ PROP. TRANSFORMERS
- EXISTING 3Ø HV CONDUCTOR
- - - PROPOSED 1Ø HV CONDUCTOR  
ROUTE LENGTH = 3870m

FINAL HV CIRCUIT

ADJOIN CUTLINE B - B'

SHEET 2 OF 2

DRAWN	RAULUIORO, R	23.08.17
CHECKED		
CHIEF DRAUGHTSMAN	<i>Shalini</i>	30.08.17
TEAM LEADER DESIGN & PLANNING	<i>Shalini</i>	30.08.17
ENGINEER		
HEAD OF DEPARTMENT	<i>K. Prasad</i>	31/08/17

FIJI ELECTRICITY AUTHORITY			
SUPPLY TO TUBARUA SETTLEMENT SERUA DISTRICT GALOA (DE01.02)			
DRAWING NUMBER			
A1	04	N72	039
SCALE 1 : 2500			