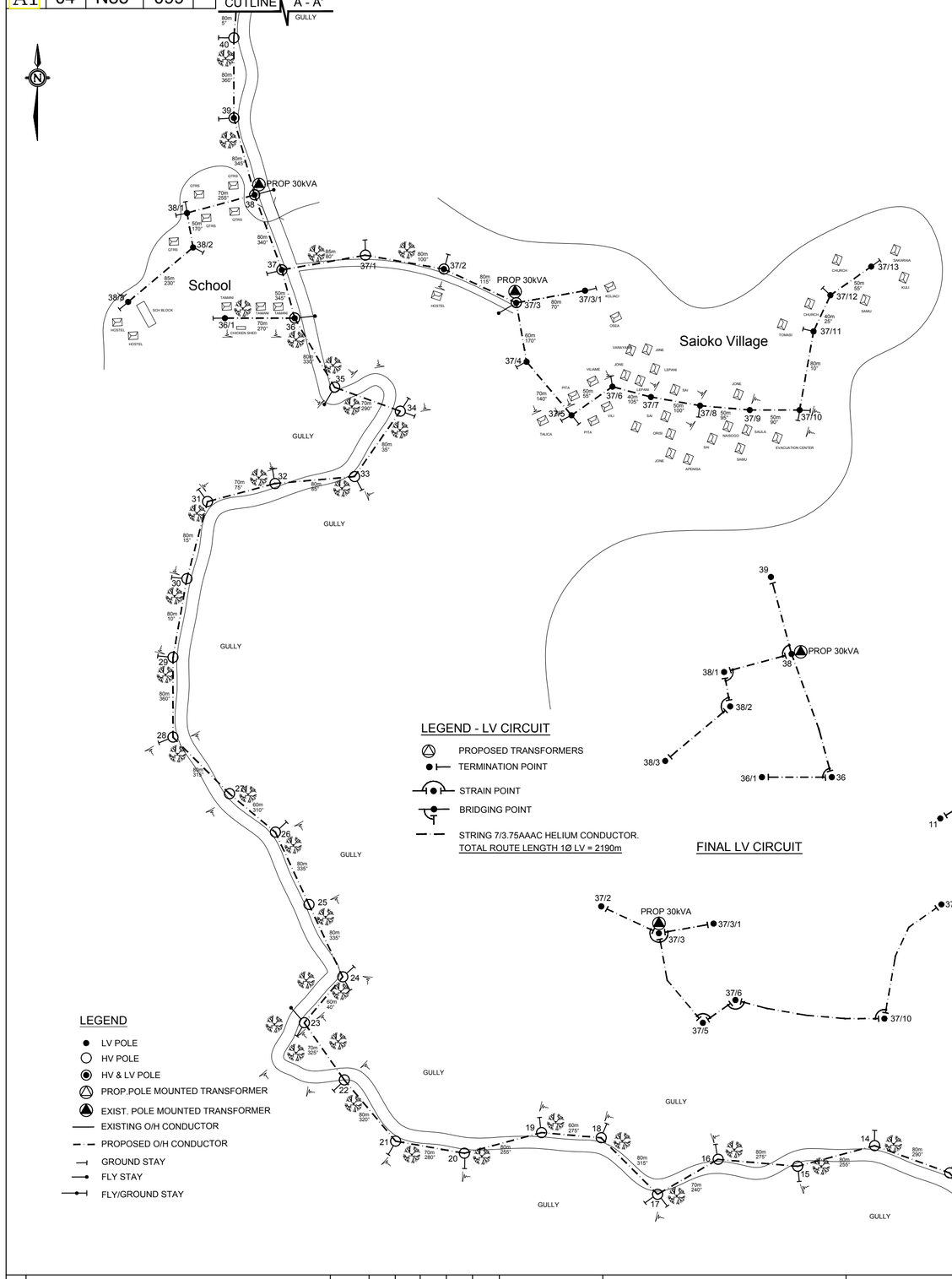
A1 | 04 | N85 | 099



POLE SCHEDULE

POLE NO.	POLE DESCRIPTION WOOD/CONC OR EXIST	POLE LENGTH STRENGTH 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+14B	EX			EXIST + PROP 3Ø HV ONLY
1	CONC.	10.2/6	80	30	12B	1			PROP 3Ø HV ONLY
2	CONC.	10.2/6	50	15	11B	1			" " " " "
3	CONC.	10.2/6	60	45	12B	1			" " " " "
4	CONC.	10.2/6	70	45	12B+3A	1			PROP 3Ø HV + PROP 1Ø LV
5	CONC.	10.2/6	70	10	11B+1A	1			" " " " "
6	CONC.	10.2/6	75	50	14B+4A	1			" " " " "
7	CONC.	10.2/6	80	0	11B+1A				" " " " "
8	CONC.	10.2/6	70	30	12B+18A+2A+3A	1			PROP 3Ø HV + PROP 1Ø HV + PROP 1Ø LV
8\1	CONC.	11/5.5	80	45	13A+2A	1			PROP 1Ø HV + PROP 1Ø LV + PROP 30kVA TXFR
8\2	WOOD.	10.2/6	80	0	1A+1A				PROP 1Ø LV ONLY
8\2\1	WOOD.	10.2/6	50	45	4A	1			" " " " "
8\2\2	WOOD.	10.2/6	70	-	3A	1			" " " " "
8\2\3	WOOD.	10.2/6	40	0	1A				" " " " "
8\2\4	WOOD.	10.2/6	40	-	3A	1			" " " " "
8\3	WOOD.	10.2/6	40	12	1A+3A	1			" " " " "
8\3\1	WOOD.	10.2/6	50	-	3A	1			" " " " "
8\4	WOOD.	10.2/6	50	-	3A	1			" " " " "
9	CONC.	10.2/6	80	55	14B+4A	1			PROP 3Ø HV + PROP 1Ø LV
10	CONC.	10.2/6	60	15	11B+1A	1			" " " " "
11	CONC.	10.2/6	70	40	12B+3A	1			" " " " "
12	CONC.	10.2/6	80	40	12B	1			PROP 3Ø HV ONLY
13	CONC.	10.2/6	80	30	12B	1			" " " " "
14	CONC.	10.2/6	80	35	12B	1			" " " " "
15	CONC.	10.2/6	80	20	11B	1			" " " " "
16	CONC.	10.2/6	80	35	12B	1			" " " " "
17	CONC.	10.2/6	70	75	13B+13B	2			" " " " "
18	CONC.	10.2/6	80	40	12B	1			" " " " "
19	CONC.	10.2/6	80	20	11B	1			" " " " "
20	CONC.	10.2/6	80	25	11B	1			" " " " "
21	CONC.	10.2/6	70	40	12B	1			" " " " "
22	CONC.	10.2/6	80	5	11B	1			" " " " "
23	CONC.	10.2/6	70	75	13B+13B	1	1		" " " " "
24	CONC.	10.2/6	60	65	14B	2			" " " " "
25	CONC.	10.2/6	80	0	11B				" " " " "
26	CONC.	10.2/6	80	25	11B	1			" " " " "
27	CONC.	10.2/6	60	5	11B				" " " " "
28	CONC.	10.2/6	80	45	12B	1			" " " " "
29	CONC.	10.2/6	80	10	11B	1			" " " " "
30	CONC.	10.2/6	80	5	11B	1			" " " " "
31	CONC.	10.2/6	80	60	14B	1			" " " " "
32	CONC.	10.2/6	70	10	11B	1			" " " " "
33	CONC.	10.2/6	80	50	14B	1			" " " " "
34	CONC.	10.2/6	80	105	13B+13B	2			" " " " "
35	CONC.	10.2/6	70	40	12B		1		" " " " "
36	CONC.	10.2/6	80	15	11B+3A+3A		1		PROP 3Ø HV + PROP 1Ø LV
36\1	WOOD.	10.2/6	70	-	3A	1			PROP 1Ø LV

No.	REVISION	DATE	BY	CHK	PSD	APP
0	ORIGINAL ISSUE KO11.14	11.08.17	RR			

REFERENCE | CAD FILENAME | DRAWING No. | TITLE

SHEET 1 OF 3

DRAWN	RAULUIORO.R	11.08.17
CHECKED		
CHIEF DRAUGHTSMAN		8.09.17
TEAM LEADER DESIGN & PLANNING		08.09.17
ENGINEER		
HEAD OF DEPARTMENT	K. Prasad	8/09/17

FIJI ELECTRICITY AUTHORITY

EXTENSION OF GRID FROM NASINU VILLAGE TO NAMARAI-NAKOROTUBU(STAGE 2)

RA DISTRICT (KO11.14)

DRAWING NUMBER: A1 | 04 | N85 | 099

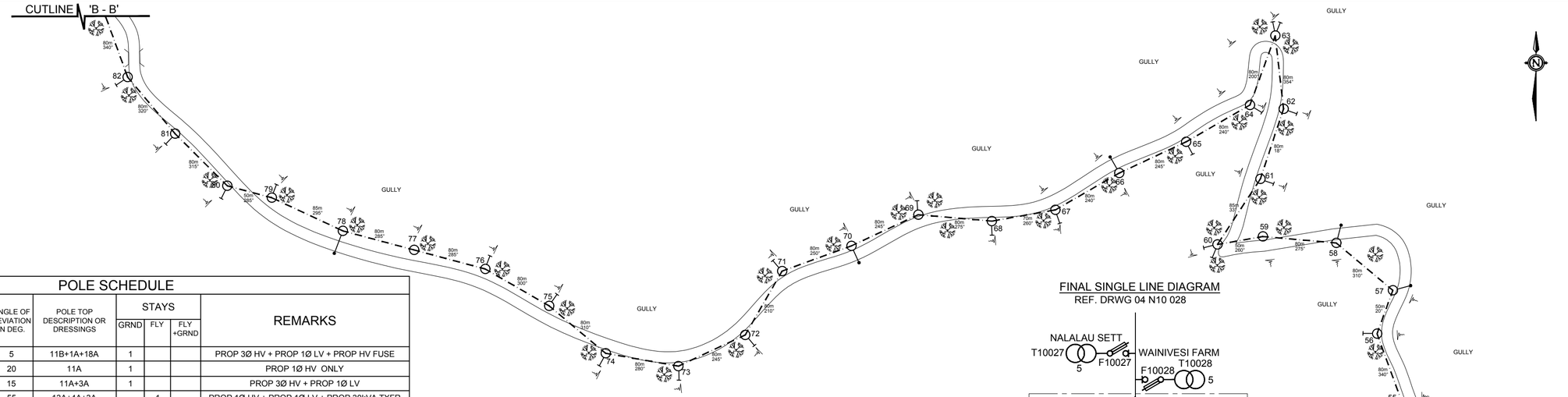
SCALE: 1 : 2500

A1	04	N85	099	

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

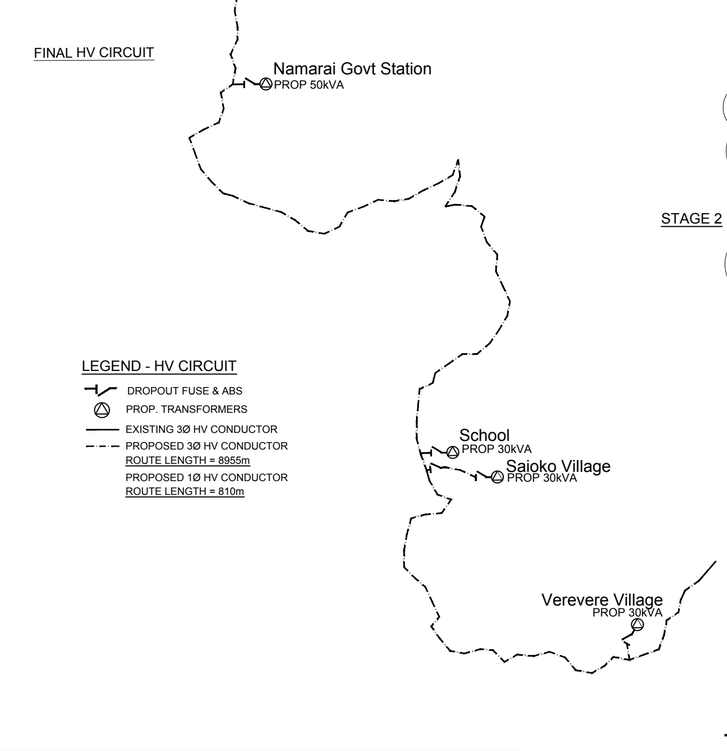
CUTLINE 'B - B'



POLE SCHEDULE

POLE NO.	POLE DESCRIPTION WOOD/CONC OR EXIST	POLE LENGTH STRENGTH m/kN	SPAN m	ANGLE OF DEVIATION IN DEG.	POLE TOP DESCRIPTION OR DRESSINGS	STAYS			REMARKS
						GRND	FLY	FLY +GRND	
37	CONC.	10.2/6	50	5	11B+1A+18A	1			PROP 3Ø HV + PROP 1Ø LV + PROP HV FUSE
37\1	CONC.	10.2/6	85	20	11A	1			PROP 1Ø HV ONLY
37\2	CONC.	10.2/6	80	15	11A+3A	1			PROP 3Ø HV + PROP 1Ø LV
37\3	CONC.	11/5.5	80	55	13A+4A+3A		1		PROP 1Ø HV + PROP 1Ø LV + PROP 30kVA TXFR
37\3\1	WOOD.	10.2/6	80	-	3A	1			PROP 1Ø LV ONLY
37\4	WOOD.	10.2/6	60	30	2A	1			" " " " "
37\5	WOOD.	10.2/6	70	85	3A+3A	1			" " " " "
37\6	WOOD.	10.2/6	50	50	4A	1			" " " " "
37\7	WOOD.	10.2/6	40	5	1A				" " " " "
37\8	WOOD.	10.2/6	50	5	1A	1			" " " " "
37\9	WOOD.	10.2/6	50	5	1A				" " " " "
37\10	WOOD.	10.2/6	50	80	3A+3A	2			" " " " "
37\11	WOOD.	10.2/6	80	15	2A	1			" " " " "
37\12	WOOD.	10.2/6	40	30	2A	1			" " " " "
37\13	WOOD.	10.2/6	50	-	3A	1			" " " " "
38	CONC.	11/5.5	80	5	11B+2A		1		PROP 3Ø HV + PROP 1Ø LV + PROP 30kVA TXFR
38\1	WOOD.	10.2/6	70	85	3A+3A		2		PROP 1Ø LV ONLY
38\2	WOOD.	10.2/6	50	60	4A	1			" " " " "
38\3	WOOD.	10.2/6	85	-	3A	1			" " " " "
39	CONC.	10.2/6	80	15	11B+3A	1			PROP 3Ø HV ONLY
40	CONC.	10.2/6	80	5	11B	1			" " " " "
41	CONC.	10.2/6	80	0	11B				" " " " "
42	CONC.	10.2/6	80	55	14B	1			" " " " "
43	CONC.	10.2/6	80	50	12B	1			" " " " "
44	CONC.	10.2/6	80	40	12B	1			" " " " "
45	CONC.	10.2/6	80	0	11B				" " " " "
46	CONC.	10.2/6	80	35	12B	1			" " " " "
47	CONC.	10.2/6	70	40	12B	1			" " " " "
48	CONC.	10.2/6	80	15	11B	1			" " " " "
49	CONC.	10.2/6	80	5	11B		1		" " " " "
50	CONC.	10.2/6	80	20	11B		1		" " " " "
51	CONC.	10.2/6	70	35	12B	1			" " " " "
52	CONC.	10.2/6	80	0	11B				" " " " "
53	CONC.	10.2/6	80	30	12B	1			" " " " "
54	CONC.	10.2/6	80	45	12B	1			" " " " "
55	CONC.	10.2/6	80	20	11B	1			" " " " "
56	CONC.	10.2/6	80	40	12B	1			" " " " "
57	CONC.	10.2/6	50	70	14B		1		" " " " "
58	CONC.	10.2/6	80	35	12B		1		" " " " "
59	CONC.	10.2/6	80	15	11B	1			" " " " "
60	CONC.	10.2/6	50	133	13B+13B	2			" " " " "
61	CONC.	10.2/6	85	15	11B	1			" " " " "
62	CONC.	10.2/6	80	25	12B	1			" " " " "
63	CONC.	10.2/6	80	154	13B+13B	2			" " " " "
64	CONC.	10.2/6	80	40	12B	1			" " " " "
65	CONC.	10.2/6	80	5	11B	1			" " " " "
66	CONC.	10.2/6	80	5	11B		1		" " " " "
67	CONC.	10.2/6	80	20	12B	1			" " " " "
68	CONC.	10.2/6	70	15	11B	1			" " " " "
69	CONC.	10.2/6	80	30	12B	1			" " " " "
70	CONC.	10.2/6	80	5	11B		1		" " " " "
71	CONC.	10.2/6	80	40	12B	1			" " " " "
72	CONC.	10.2/6	80	35	12B	1			" " " " "
73	CONC.	10.2/6	80	35	12B	1			" " " " "
74	CONC.	10.2/6	80	30	12B	1			" " " " "
75	CONC.	10.2/6	80	10	11B	1			" " " " "
76	CONC.	10.2/6	80	15	11B	1			
77	CONC.	10.2/6	80	0	11B				" " " " "
78	CONC.	10.2/6	80	10	11B		1		" " " " "

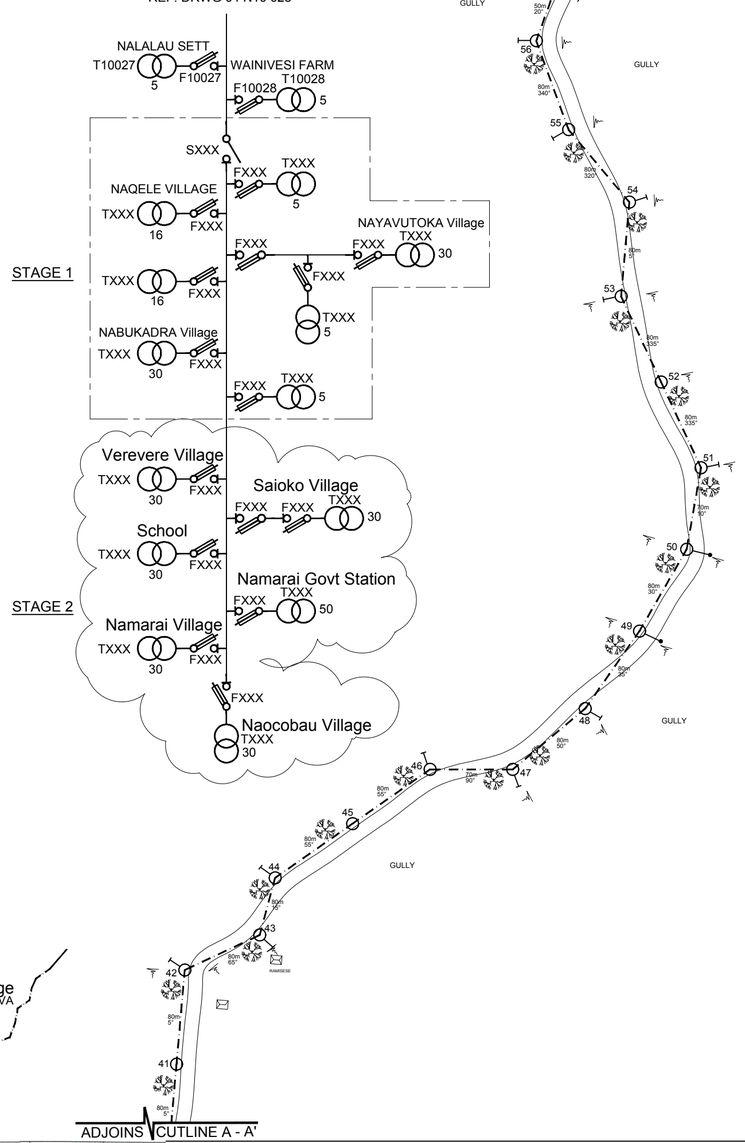
FINAL HV CIRCUIT



LEGEND - HV CIRCUIT

- DROPOUT FUSE & ABS
- PROP. TRANSFORMERS
- EXISTING 3Ø HV CONDUCTOR
- PROPOSED 3Ø HV CONDUCTOR
  ROUTE LENGTH = 8955m
- PROPOSED 1Ø HV CONDUCTOR
  ROUTE LENGTH = 810m

FINAL SINGLE LINE DIAGRAM
REF. DRWG 04 N10 028



ADJOINS CUTLINE A - A'

No.	REVISION	DATE	BY	CHK	PSD	APP
0	ORIGINAL ISSUE KO11.14	11.08.17	RR			

REFERENCE

CAD FILENAME

DRAWING No.

TITLE

SHEET 2 OF 3

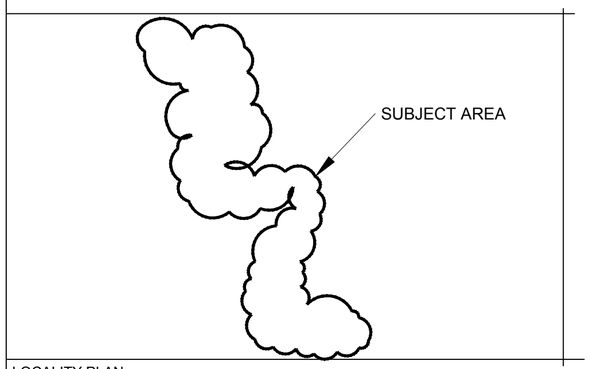
DRAWN	RAULUIORO.R	11.08.17
CHECKED		
CHIEF DRAUGHTSMAN		8.09.17
TEAM LEADER DESIGN & PLANNING		08.09.17
ENGINEER		
HEAD OF DEPARTMENT	K. Prasad	8/09/17

FIJI ELECTRICITY AUTHORITY

EXTENSION OF GRID FROM NASINU VILLAGE TO NAMARAI-NAKOROTUBU(STAGE 2)

DRAWING NUMBER: A1 | 04 | N85 | 099

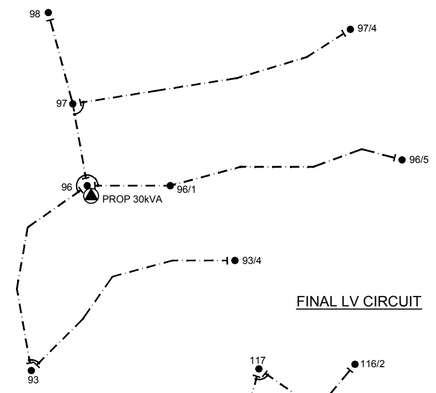
SCALE 1 : 2500



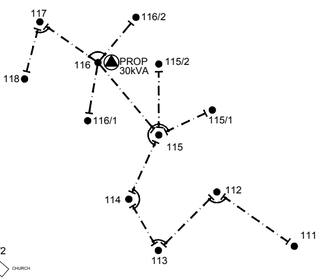
LOCALITY PLAN

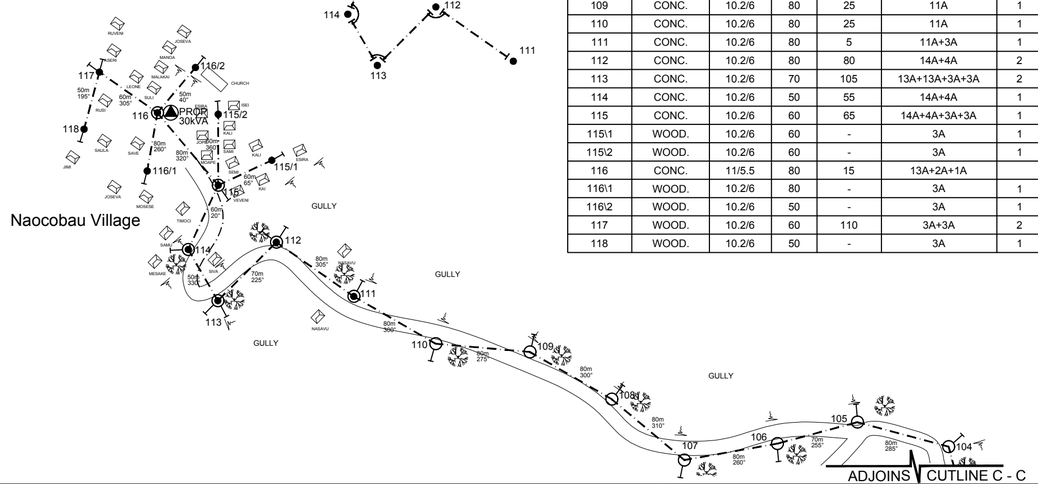
POLE SCHEDULE

POLE NO.	POLE DESCRIPTION WOOD/CONC OR EXIST	POLE LENGTH STRENGTH m/kN	SPAN m	ANGLE OF DEVIATION IN DEG.	POLE TOP DESCRIPTION OR DRESSINGS	STAYS			REMARKS
						GRND	FLY	FLY +GRND	
79	CONC.	10.2/6	85	10	11B	1			PROP 3Ø HV ONLY
80	CONC.	10.2/6	50	30	12B	1			" " " " "
81	CONC.	10.2/6	80	5	11B	1			" " " " "
82	CONC.	10.2/6	80	20	11B	1			" " " " "
83	CONC.	10.2/6	80	0	11B				" " " " "
84	CONC.	10.2/6	80	80	13B+13B	2			" " " " "
85	CONC.	10.2/6	80	5	11B	1			" " " " "
86	CONC.	10.2/6	80	45	12B+3B		1		" " " " "
87	CONC.	10.2/6	70	30	12B+2B	1			PROP 3Ø HV + PROP 3Ø LV
88	CONC.	10.2/6	80	65	14B+4B+3B	1			" " " " "
88\1	CONC.	10.2/6	80	35	2B	1			PROP 3Ø LV ONLY
88\2	CONC.	10.2/6	50	-	3B				" " " " "
89	CONC.	11/5.5	70	45	12B+2B	1			PROP 3Ø HV + PROP 3Ø LV + PROP 50kVA TXFR
90	CONC.	10.2/6	80	30	12B+2B+3B	1			PROP 3Ø HV + PROP 3Ø LV
90\1	WOOD.	10.2/6	70	110	3B+3B		2		PROP 3Ø LV ONLY
90\2	WOOD.	10.2/6	70	-	3B	1			" " " " "
91	CONC.	10.2/6	70	45	14B+3B	1			PROP 3Ø HV + PROP 3Ø LV
92	CONC.	10.2/6	80	25	11B				PROP 3Ø HV ONLY
93	CONC.	10.2/6	80	10	11B+3A+3A		1		PROP 3Ø HV + PROP 1Ø LV
93\1	WOOD.	10.2/6	70	10	1A				PROP 1Ø LV ONLY
93\2	WOOD.	10.2/6	50	40	2A	1			" " " " "
93\3	WOOD.	10.2/6	60	15	1A	1			" " " " "
93\4	WOOD.	10.2/6	60	-	3A	1			" " " " "
94	CONC.	10.2/6	80	20	12B+2A	1			PROP 3Ø HV + PROP 1Ø LV
95	CONC.	10.2/6	60	45	12B+2A	1			" " " " "
96	CONC.	11/5.5	70	65	14B+4A+3A	1			PROP 3Ø HV + PROP 1Ø LV + PROP 30kVA TXFR
96\1	WOOD.	10.2/6	80	15	1A	1			PROP 1Ø LV ONLY
96\2	WOOD.	10.2/6	70	15	1A	1			" " " " "
96\3	WOOD.	10.2/6	70	20	1A	1			" " " " "
96\4	WOOD.	10.2/6	50	35	2A	1			" " " " "
96\5	WOOD.	10.2/6	40	-	3A	1			" " " " "
97	CONC.	10.2/6	80	5	11B+1A+3A		1		PROP 3Ø HV + PROP 1Ø LV
97\1	WOOD.	10.2/6	80	0	1A				PROP 1Ø LV ONLY
97\2	WOOD.	10.2/6	80	8	1A	1			" " " " "
97\3	WOOD.	10.2/6	70	16	1A	1			" " " " "
97\4	WOOD.	10.2/6	50	-	3A	1			" " " " "
98	CONC.	10.2/6	80	35	12B+3A	1			PROP 3Ø HV + PROP 1Ø LV
99	CONC.	10.2/6	80	5	11B	1			PROP 3Ø HV ONLY
100	CONC.	10.2/6	80	35	12B	1			" " " " "
101	CONC.	10.2/6	80	55	14B	1			" " " " "
102	CONC.	10.2/6	80	15	11B		1		" " " " "
103	CONC.	10.2/6	80	45	12B		1		" " " " "
104	CONC.	10.2/6	80	60	14B	1			" " " " "
105	CONC.	10.2/6	80	30	13B+13A	1			" " " " "
106	CONC.	10.2/6	70	5	11A	1			" " " " "
107	CONC.	10.2/6	80	50	14A	1			" " " " "
108	CONC.	10.2/6	80	10	11A	1			" " " " "
109	CONC.	10.2/6	80	25	11A	1			" " " " "
110	CONC.	10.2/6	80	25	11A	1			" " " " "
111	CONC.	10.2/6	80	5	11A+3A	1			PROP 3Ø HV + PROP 1Ø LV
112	CONC.	10.2/6	80	80	14A+4A	2			" " " " "
113	CONC.	10.2/6	70	105	13A+13A+3A+3A	2			" " " " "
114	CONC.	10.2/6	50	55	14A+4A	1			" " " " "
115	CONC.	10.2/6	60	65	14A+4A+3A+3A	1			" " " " "
115\1	WOOD.	10.2/6	60	-	3A	1			" " " " "
115\2	WOOD.	10.2/6	60	-	3A	1			" " " " "
116	CONC.	11/5.5	80	15	13A+2A+1A				PROP 1Ø HV + PROP 1Ø LV + PROP 30kVA TXFR
116\1	WOOD.	10.2/6	80	-	3A	1			PROP 1Ø LV ONLY
116\2	WOOD.	10.2/6	50	-	3A	1			" " " " "
117	WOOD.	10.2/6	60	110	3A+3A	2			" " " " "
118	WOOD.	10.2/6	50	-	3A	1			" " " " "



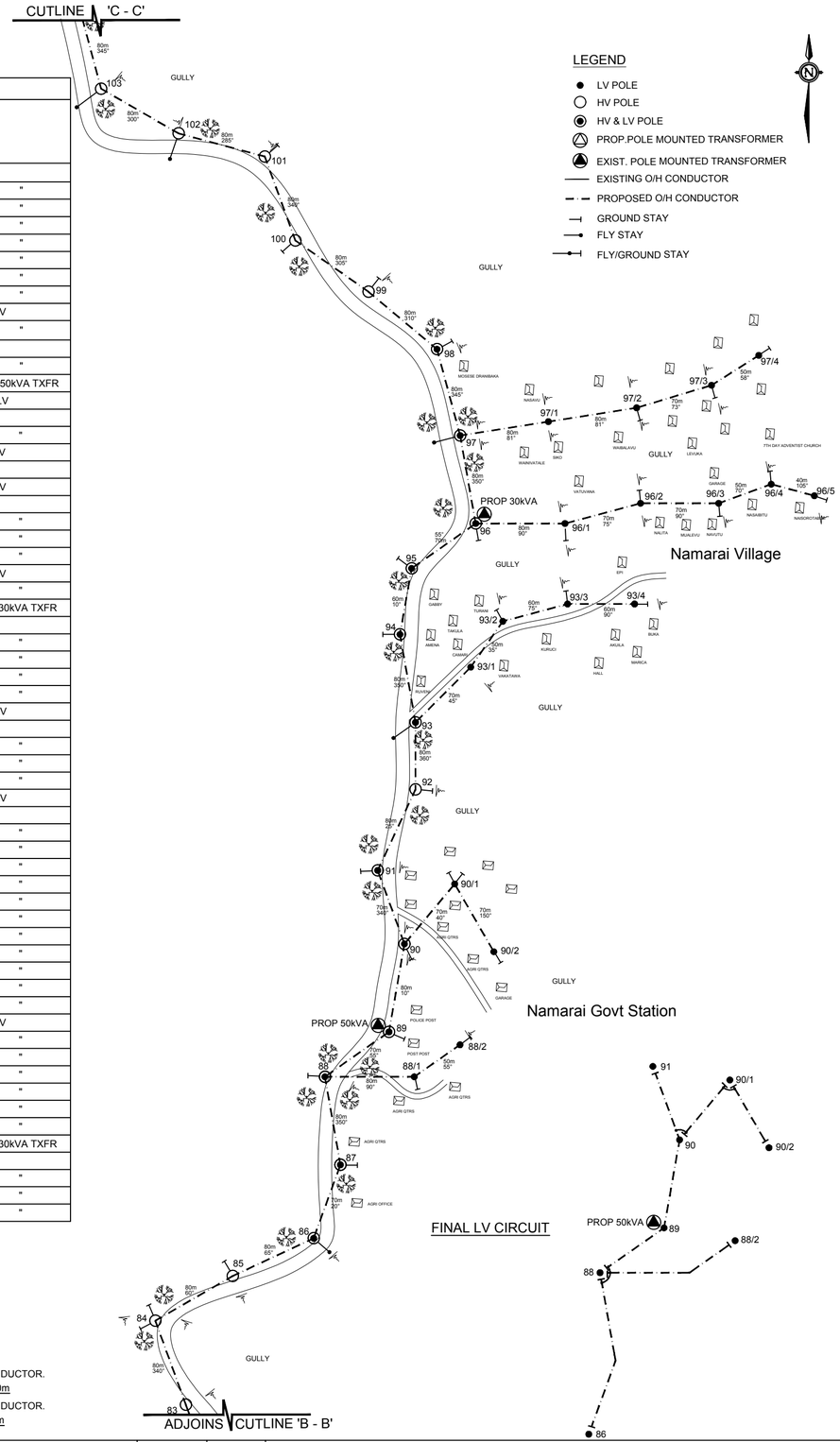
FINAL LV CIRCUIT





LEGEND - LV CIRCUIT

- PROPOSED TRANSFORMERS
- TERMINATION POINT
- STRAIN POINT
- BRIDGING POINT
- STRING 2 x 7/3.75AAAC HELIUM CONDUCTOR. TOTAL ROUTE LENGTH 1Ø LV = 1900m
- STRING 4 x 7/3.75AAAC HELIUM CONDUCTOR. TOTAL ROUTE LENGTH 1Ø LV = 640m



FINAL LV CIRCUIT

No.	REVISION	DATE	BY	CHK	PSD	APP
0	ORIGINAL ISSUE KO11.14	11.08.17	RR			

REFERENCE

CAD FILENAME

DRAWING No. | TITLE

SHEET 3 OF 3

DRAWN	RAULUIORO.R	11.08.17
CHECKED		
CHIEF DRAUGHTSMAN		
TEAM LEADER DESIGN & PLANNING		
ENGINEER		
HEAD OF DEPARTMENT		

FIJI ELECTRICITY AUTHORITY

EXTENSION OF GRID FROM NASINU VILLA DISTRICT (KO11.14) TO NAMARAI-NAKOROTUBU(STAGE 2)

DRAWING NUMBER: A1 | 04 | N85 | 099

SCALE 1 : 2500