

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

8/2	WOODEN	10.2/6	59	—	3A	1		STRING 1φ LV ONLY
9	WOODEN	10.2/6	80	11/-	11A+1A+3A	1		STRING 1φ HV & 1φ LV
9/1	WOODEN	10.2/6	42	—	3A	1		STRING 1φ LV ONLY
10	WOODEN	10.2/6	80	4	11A+1A			STRING 1φ HV & 1φ LV
11	WOODEN	10.2/6	80	13	11A+1A			STRING 1φ HV & 1φ LV
12	CONC.	11/5.5	79	8	11A+1A+REM	1		INSTALL 5kVA TRANSFORMER
13	WOODEN	10.2/6	60	14	11A+1A			STRING 1φ HV & 1φ LV

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	11/5.5	—	—	EXIST+13A				EXISTING Txf POLE (T2357)
B	CONC	10.2/6	49	—	EXIST+11A				STRING 1φ HV ONLY
C	CONC	10.2/6	75	—	EXIST+11A				" " " "
D	CONC	11/5.5	65	—	EXIST+14A	1			" " " "
1	WOODEN	10.2/6	62	44	14A	1			STRING 1φ HV ONLY
2	WOODEN	10.2/6	90	3	11A	1			" " " "
3	WOODEN	10.2/6	85	3	11A	1			" " " "
4	WOODEN	10.2/6	72	3	11A				" " " "
5	WOODEN	10.2/6	75	27	12A	1			" " " "
6	WOODEN	10.2/6	42	27	12A+1A	1			STRING 1φ HV & 1φ LV
7	WOODEN	10.2/6	82	12	11A				STRING 1φ HV ONLY
8	WOODEN	10.2/6	93	15/-	11A+3A+3A			1	STRING 1φ HV & 1φ LV
8/1	WOODEN	10.2/6	158	57	4A	2			STRING 1φ LV ONLY

SHEET 1 OF 4



DRAWN JONE 17.03.18
 CHECKED TIVAM 26.03.18
 CHIEF DRAUGHTSMAN
 TEAM LEADER DESIGN & PLANNING
 ENGINEER Jeneva 26/03/18
 HEAD OF DEPARTMENT

FIJI ELECTRICITY AUTHORITY

SUPPLY TO VAKESA SETTLEMENT
 TAVUA DISTRICT
 MATALEVU (TA05/14)

DRAWING NUMBER

A3 04 N87 055

SCALE NTS

0	ORIGINAL ISSUE SI TA05/14	17.03.18	JV				
No.	REVISION	DATE	BY	CHK	PSD	APP	

CUTLINE A - A

CUTLINE B - B

CUTLINE C - C

CUTLINE B - B

PROP. 16kVA
TRANSFORMER

BORE HOLE

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.	GRSD	SIDE- WALK	FLY	REMARKS
14	WOODEN	10.2/8	85	0	11A+1A				STRING 1# HV & 1# LV
15	WOODEN	10.2/8	80	3	11A+1A				" " " "
16	WOODEN	10.2/8	77	0	11A+1A				" " " "
17	WOODEN	10.2/8	68	23/-	12A+3A+3A			1	" " " "
17/1	WOODEN	10.2/8	70	10	1A				STRING 1# LV ONLY
17/2	WOODEN	10.2/8	87	-	3A	1			" " " "
18	WOODEN	10.2/8	54	19	11A				STRING 1# HV ONLY
19	WOODEN	10.2/8	47	2	11A				" " " "
20	WOODEN	10.2/8	83	8	11A				" " " "
21	WOODEN	10.2/8	70	50/-	12A+18A	1			INSTALL TEE OFF DOF
21/1	WOODEN	10.2/8	66	6	11A				STRING 1# HV ONLY
21/2	WOODEN	10.2/8	90	11	11A				" " " "
21/3	WOODEN	10.2/8	85	65	14A+3A	2			STRING 1# HV & 1# LV
21/4	WOODEN	10.2/8	51	2	11A+1A				" " " "
21/5	WOODEN	10.2/8	42	87	14A+4A	2			" " " "
21/6	WOODEN	10.2/8	78	30/-	12A+2A+3A	1			" " " "
21/6/1	WOODEN	10.2/8	50	16/-	1A+3A	1			STRING 1# LV ONLY
21/6/2	WOODEN	10.2/8	84	-	3A	1			" " " "
21/6/3	WOODEN	10.2/8	100	-	3A	1			" " " "
21/7	WOODEN	10.2/8	84	15	11A+1A				STRING 1# HV & 1# LV
21/8	WOODEN	10.2/8	48	6	11A+1A				" " " "
21/9	WOODEN	10.2/8	54	69	14A+4A	2			" " " "
21/10	WOODEN	10.2/8	85	21	12A+2A	1			" " " "
21/11	WOODEN	10.2/8	66	1	11A+1A				" " " "
21/12	WOODEN	10.2/8	67	53	14A+4A	1			" " " "
21/13	CONC.	11/5.5	43	28	13A+2A+REM	1			INSTALL 16kVA TRANSFORMER
21/14	WOODEN	10.2/8	120	69	3A+3A	1			STRING 1# LV ONLY
21/15	WOODEN	10.2/8	55	66	4A	1			" " " "
21/16	WOODEN	10.2/8	50	5	1A				" " " "
21/17	WOODEN	10.2/8	57	47	4A	1			" " " "
21/18	WOODEN	10.2/8	68	40	4A	1			" " " "
21/19	WOODEN	10.2/8	63	7	1A				" " " "
21/20	WOODEN	10.2/8	60	65	4A	1			" " " "
21/21	WOODEN	10.2/8	35	27	2A	1			" " " "
21/22	WOODEN	10.2/8	65	33	2A	1			" " " "
21/23	WOODEN	10.2/8	75	4	1A				" " " "
21/24	WOODEN	10.2/8	52	-	3A	1			" " " "

SHEET 2 OF 4

FIJI ELECTRICITY AUTHORITY

SUPPLY TO VAKESA SETTLEMENT
TAVUA DISTRICT
MATALEVU (TA05/14)

DRAWING NUMBER

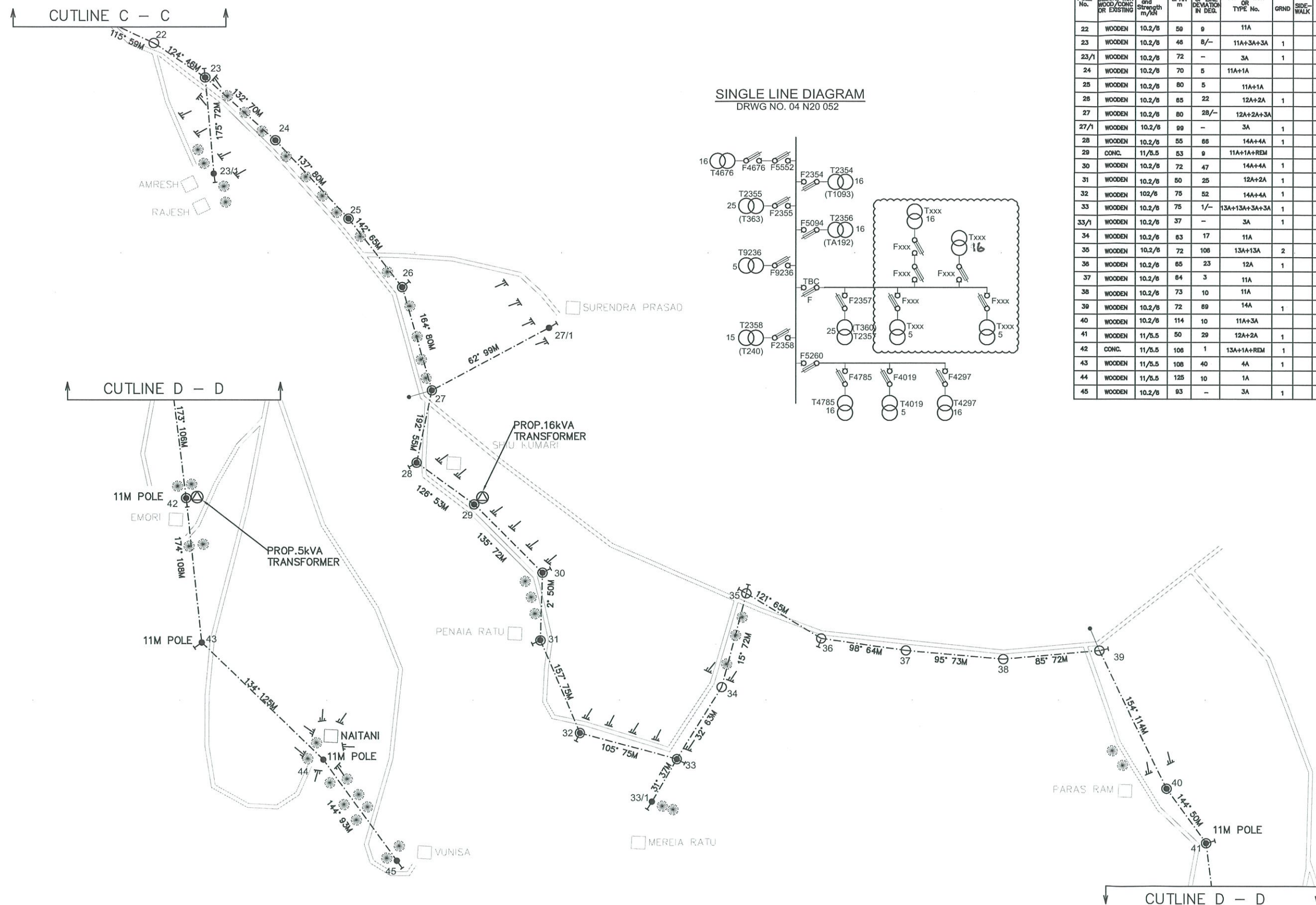
A3 04 N87 055

SCALE NTS

DRAWN JONE 17.03.18
CHECKED TIVAM 26.03.18
CHIEF DRAUGHTSMAN
TEAM LEADER DESIGN & PLANNING
ENGINEER
HEAD OF DEPARTMENT

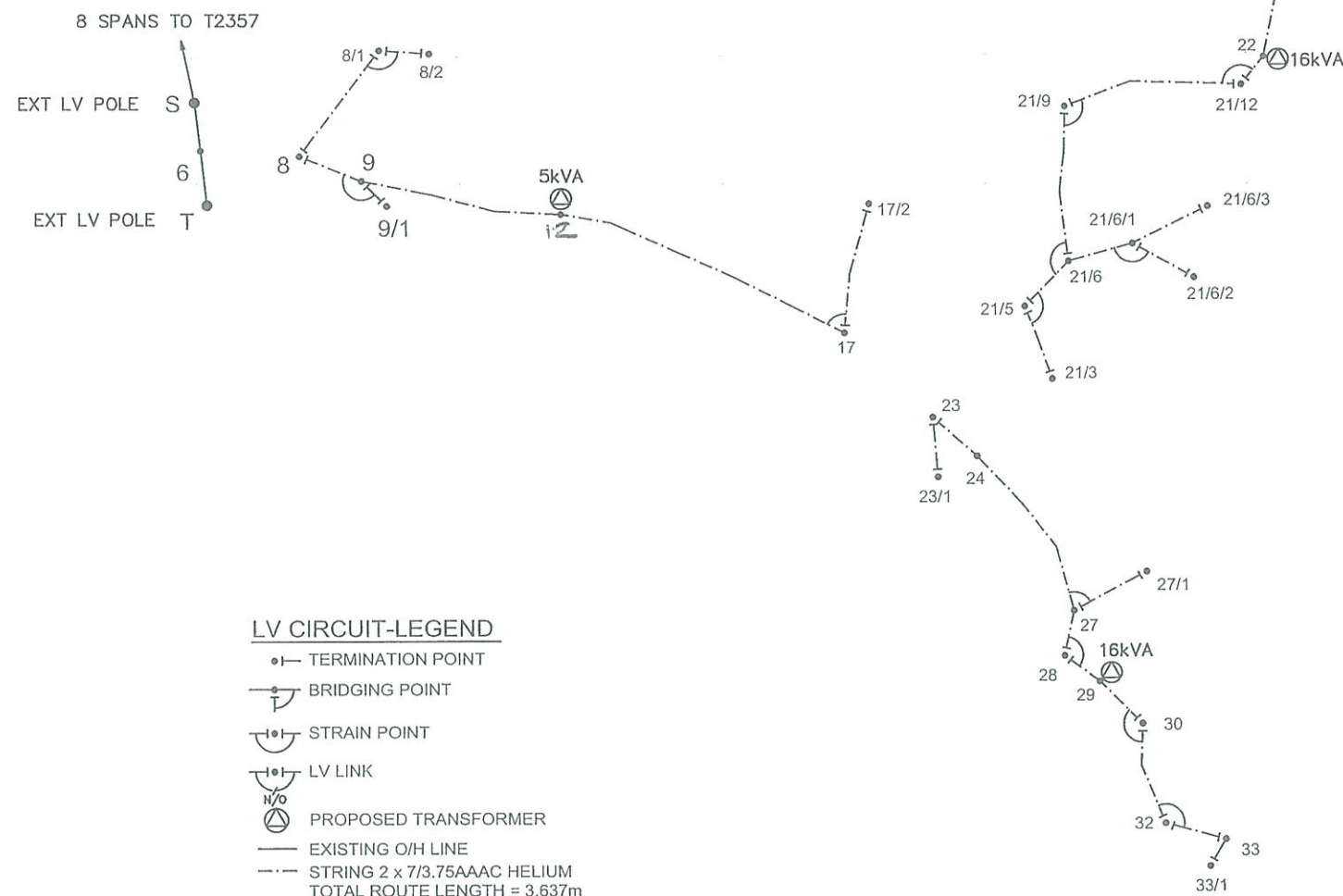


No.	REVISION	DATE	BY	CHK	PSD	APP
0	ORIGINAL ISSUE SI TA05/14	17.03.18	JV			



POLE SCHEDULE									
POLE No.	POLE DESCRIPTION / 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
22	WOODEN	10.2/6	59	9	11A				STRING 16 HV ONLY
23	WOODEN	10.2/6	48	8/-	11A+3A+3A	1			STRING 16 HV & 16 LV
23/1	WOODEN	10.2/6	72	-	3A	1			STRING 16 LV ONLY
24	WOODEN	10.2/6	70	5	11A+1A				STRING 16 HV & 16 LV
25	WOODEN	10.2/6	80	5	11A+1A				" " " "
26	WOODEN	10.2/6	65	22	12A+2A	1			" " " "
27	WOODEN	10.2/6	80	28/-	12A+2A+3A			1	" " " "
27/1	WOODEN	10.2/6	99	-	3A	1			" " " "
28	WOODEN	10.2/6	55	56	14A+4A	1			" " " "
29	CONC.	11/5.5	63	9	11A+1A+REM				INSTALL 16KVA TRANSFORMER
30	WOODEN	10.2/6	72	47	14A+4A	1			STRING 16 HV & 16 LV
31	WOODEN	10.2/6	50	25	12A+2A	1			" " " "
32	WOODEN	102/6	75	52	14A+4A	1			" " " "
33	WOODEN	10.2/6	75	1/-	13A+13A+3A+3A	1			" " " "
33/1	WOODEN	10.2/6	37	-	3A	1			STRING 16 LV ONLY
34	WOODEN	10.2/6	63	17	11A				STRING 16 HV ONLY
35	WOODEN	10.2/6	72	106	13A+13A	2			" " " "
36	WOODEN	10.2/6	85	23	12A	1			" " " "
37	WOODEN	10.2/6	84	3	11A				" " " "
38	WOODEN	10.2/6	73	10	11A				" " " "
39	WOODEN	10.2/6	72	69	14A	1		1	" " " "
40	WOODEN	10.2/6	114	10	11A+3A				STRING 16 HV & 16 LV
41	WOODEN	11/5.5	50	29	12A+2A	1			" " " "
42	CONC.	11/5.5	108	1	13A+1A+REM	1			INSTALL 5KVA TRANSFORMER
43	WOODEN	11/5.5	108	40	4A	1			STRING 16 LV ONLY
44	WOODEN	11/5.5	125	10	1A				" " " "
45	WOODEN	10.2/6	93	-	3A	1			" " " "

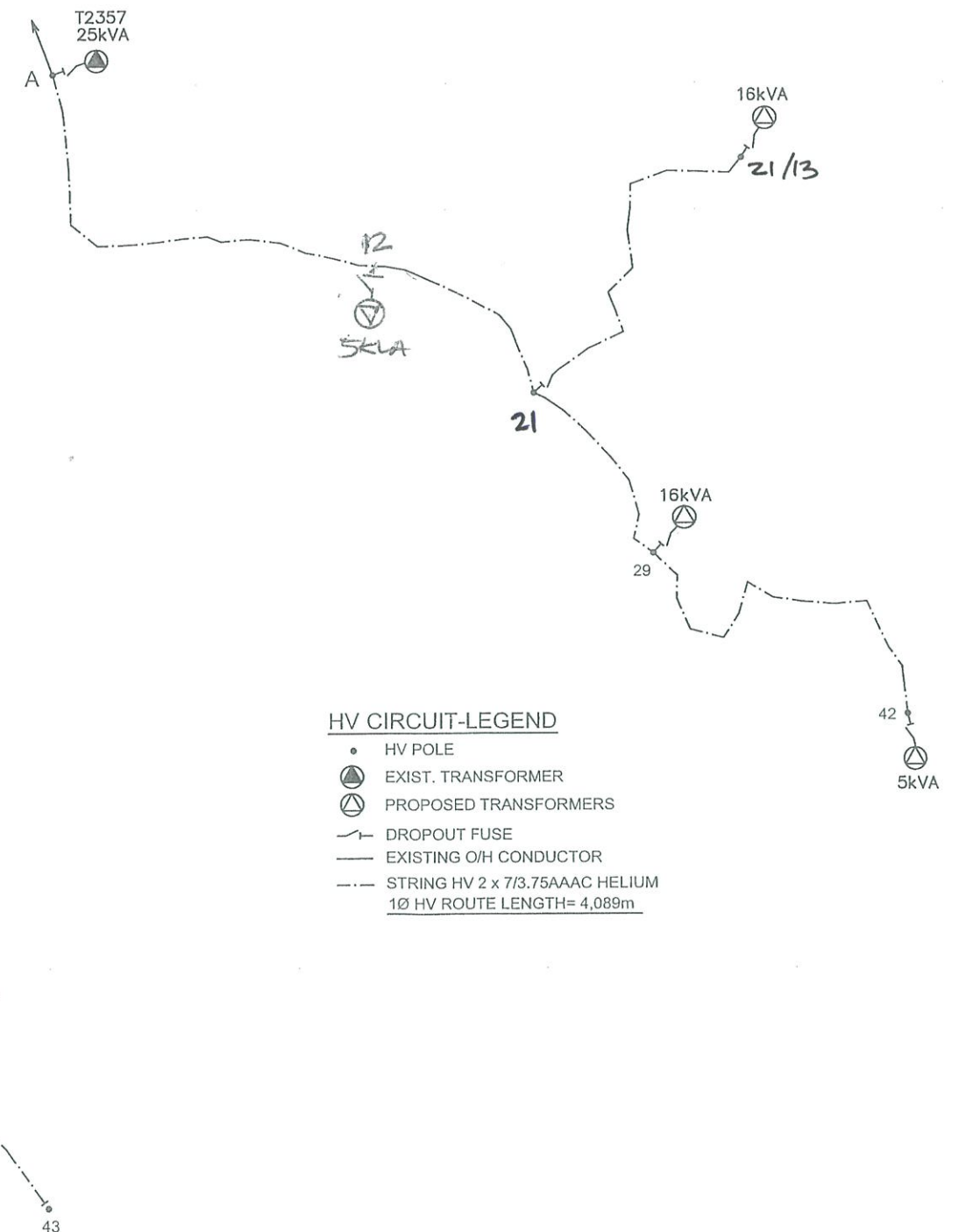
FINAL LV CIRCUIT



LV CIRCUIT-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 = 3,637m






FINAL HV CIRCUIT



HV CIRCUIT-LEGEND

- HV POLE
 - ⊗ EXIST. TRANSFORMER
 - ⊗ PROPOSED TRANSFORMERS
 - DROPOUT FUSE
 - EXISTING O/H CONDUCTOR
 - STRING HV 2 x 7/3.75AAAC HELIUM
- 1Ø HV ROUTE LENGTH = 4,089m

SHEET 4 OF 4

								 fea Energising Our Nation	DRAWN	JONE	17.03.18	FIJI ELECTRICITY AUTHORITY			
							CHECKED		TIVAM	26.03.18					
							CHIEF DRAUGHTSMAN			26/03/18	SUPPLY TO VAKESA SETTLEMENT TAVUA DISTRICT MATALEVU (TA05/14)	DRAWING NUMBER			
							TEAM LEADER DESIGN & PLANNING			27/03/18		A3	04	N87	055
	0	ORIGINAL ISSUE SI TA05/14	17.03.18	JV			ENGINEER			26/3/18		SCALE NTS			
	No.	REVISION	DATE	BY	CHK	PSD	APP	HEAD OF DEPARTMENT		26/3/18					