

A3 04 N82 120

CUTLINE A - A

FINAL LV CIRCUIT

LOCALITY PLAN

LEGEND

- LV POLE ONLY
- HV POLE ONLY
- ⊙ HV & LV POLE
- GROUND STAY
- FLY STAY
- ⊙ EXISTING TRANSFORMER
- ⊙ PROPOSED TRANSFORMER
- EXISTING O/H LINE
- - - PROPOSED O/H LINE

LEGEND

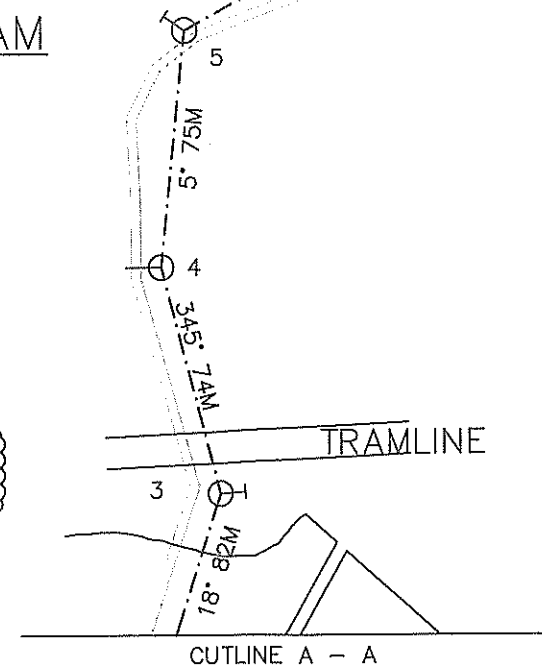
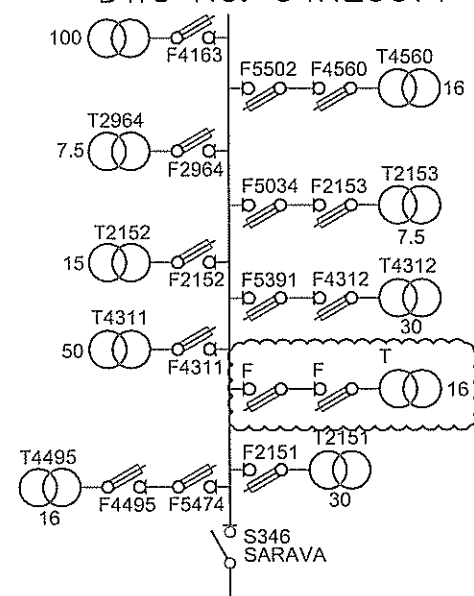
- TERMINATION POINT
 - ⊙ BRIDGING POINT
 - ⊙ STRAIN POINT
 - ⊙ EXISTING TRANSFORMER
 - ⊙ PROPOSED TRANSFORMER
 - EXISTING O/H LINE
 - - - STRING 2 x 7/3.75AAAC HELIUM
- TOTAL ROUTE LENGTH = 3454m

SCOPE :

1. UPGRADE POLES B TO 10.2m RC POLE
2. ERECT 10.2m RC POLE AT LOCATION MARKED 1
3. ERECT 10.2m WOODEN POLE AT LOCATIONS MARKED 1/1,2,3,4,5,6,7,9,10,11 & 12
4. ERECT 11m RC POLE AT LOCATION MARKED A & 8
5. STRING 1 Ø HV HELIUM CONDUCTOR FROM POLE A TO 8 VIA POLES B,C,D,E,F,1,2,3,4,5,6 & 7
6. INSTALL A 16kVA TRANSFORMER AT POLE 8
7. STRING 1 Ø LV HELIUM CONDUCTOR FROM POLE F TO 1/1 VIA POLE 1 AND FROM POLE 8 TO 12 VIA POLES 9,10,11

SINGLE LINE DIAGRAM

DWG No. 04N20071



FINAL HV CIRCUIT

LEGEND

- HV POLE
 - ⊙ EXISTING TRANSFORMER
 - ⊙ PROPOSED TRANSFORMER
 - DROPOUT FUSE
 - EXISTING O/H LINE
 - - - STRING 2 x 7/3.75AAAC HELIUM
- TOTAL ROUTE LENGTH = 990m

POLE SCHEDULE

Pole No.	POLE Description Wood/Con or exist	POLE Length and Strength m/kN	SPAN m	ANGLE OF LINE DEVIATION IN DEG.	POLE TOP Description OR	STAYS				REMARKS
						GRND	SIDE WALK	FLY	FLY + GRND	
A	CONC	11/5.5	-	-	Ex.+18A					INSTALL TEEOFF DOF
B	CONC	10.2/6	80	-	11A+Ex					STRING 1 Ø HV ONLY
C	EXIST	-	66	-	11A+Ex					STRING 1 Ø HV ONLY
D	EXIST	-	71	-	12A+Ex					STRING 1 Ø HV ONLY
E	EXIST	-	66	-	11A+Ex					STRING 1 Ø HV ONLY
F	EXIST	-	79	-	11A+Ex					STRING 1 Ø HV ONLY
1	CONC	10.2/6	56	8/-	11A+3A+3A					STRING 1 Ø HV ONLY
1/1	WOOD	10.2/6	55	-	3A	1				STRING 1 Ø LV ONLY
2	WOOD	10.2/6	80	2	11A					STRING 1 Ø HV ONLY
3	WOOD	10.2/6	82	33	14A	1				STRING 1 Ø HV ONLY
4	WOOD	10.2/6	74	20	12A			1		STRING 1 Ø HV ONLY
5	WOOD	10.2/6	75	56	14A	1				STRING 1 Ø HV ONLY
6	WOOD	10.2/6	101	48	14A	1				STRING 1 Ø HV ONLY
7	WOOD	10.2/6	94	28	12A	1				STRING 1 Ø HV ONLY
8	CONC	11/5.5	66	21	13A+3A+REM	1				TRANSFORMER POLE
9	WOOD	10.2/6	73	9	1A					STRING 1 Ø LV ONLY
10	WOOD	10.2/6	91	7	1A					STRING 1 Ø LV ONLY
11	WOOD	10.2/6	70	10	1A					STRING 1 Ø LV ONLY
12	WOOD	10.2/6	80	-	3A	1				STRING 1 Ø LV ONLY

FIJI ELECTRICITY AUTHORITY

SUPPLY TO SARAVA SEASIDE
BA DISTRICT
SARAVA AREA File No. BA04/16

DRAWING NUMBER

A3 04 N82 120

SCALE 1 : 2000

DRAWN

KELEVI 23.09.17

CHECKED

13/10/17

CHIEF DRAUGHTSMAN
TEAM LEADER DESIGN & PLANNING

ENGINEER

13/10/17

HEAD OF DEPARTMENT

13/10/17



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