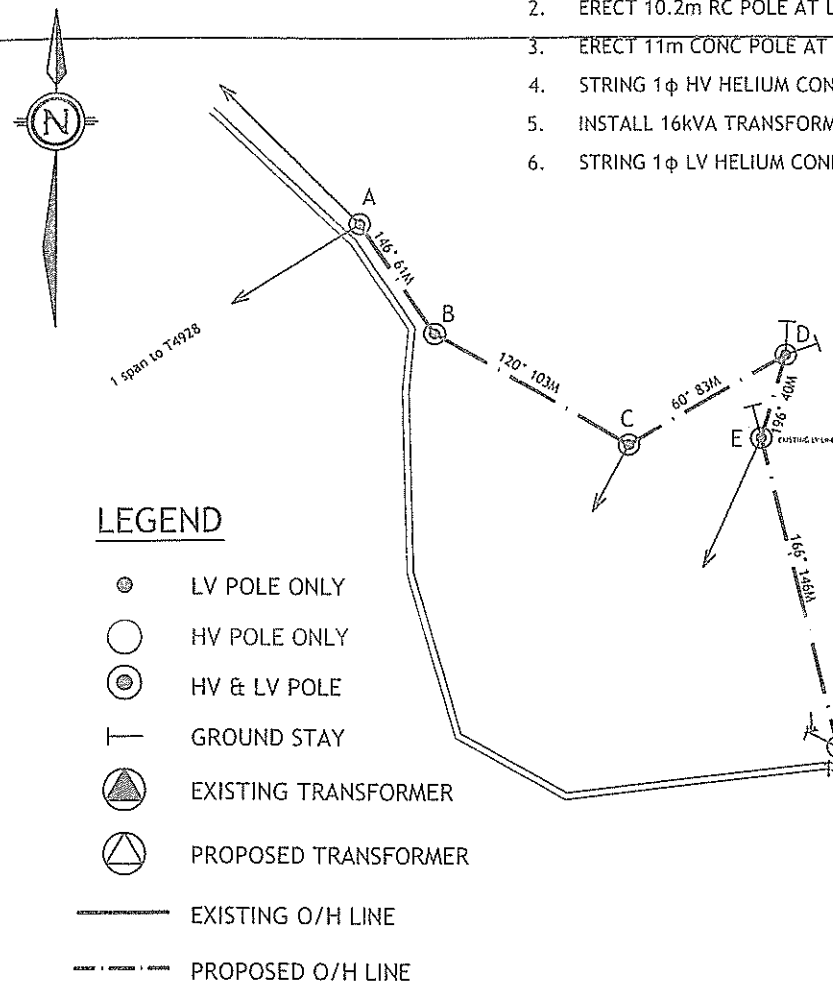










## SCOPE OF WORK:

1. UPGRADE POLE E TO 11m RC POLE.
2. ERECT 10.2m RC POLE AT LOCATIONS MARKED 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13/1, 14 & 15.
3. ERECT 11m CONC POLE AT LOCATIONS MARKED 1 & 13.
4. STRING 1 $\phi$  HV HELIUM CONDUCTOR FROM POLE A TO 13 VIA POLE B, C, D, E, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12.
5. INSTALL 16kVA TRANSFORMER AT LOCATION MARKED 13.
6. STRING 1 $\phi$  LV HELIUM CONDUCTOR FROM POLE 12 TO 13/1 VIA 13 & FROM POLE 13 TO 15 VIA 14.

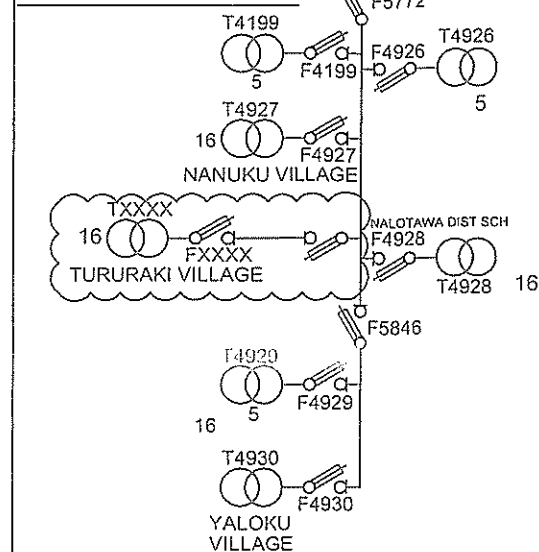


### LEGEND

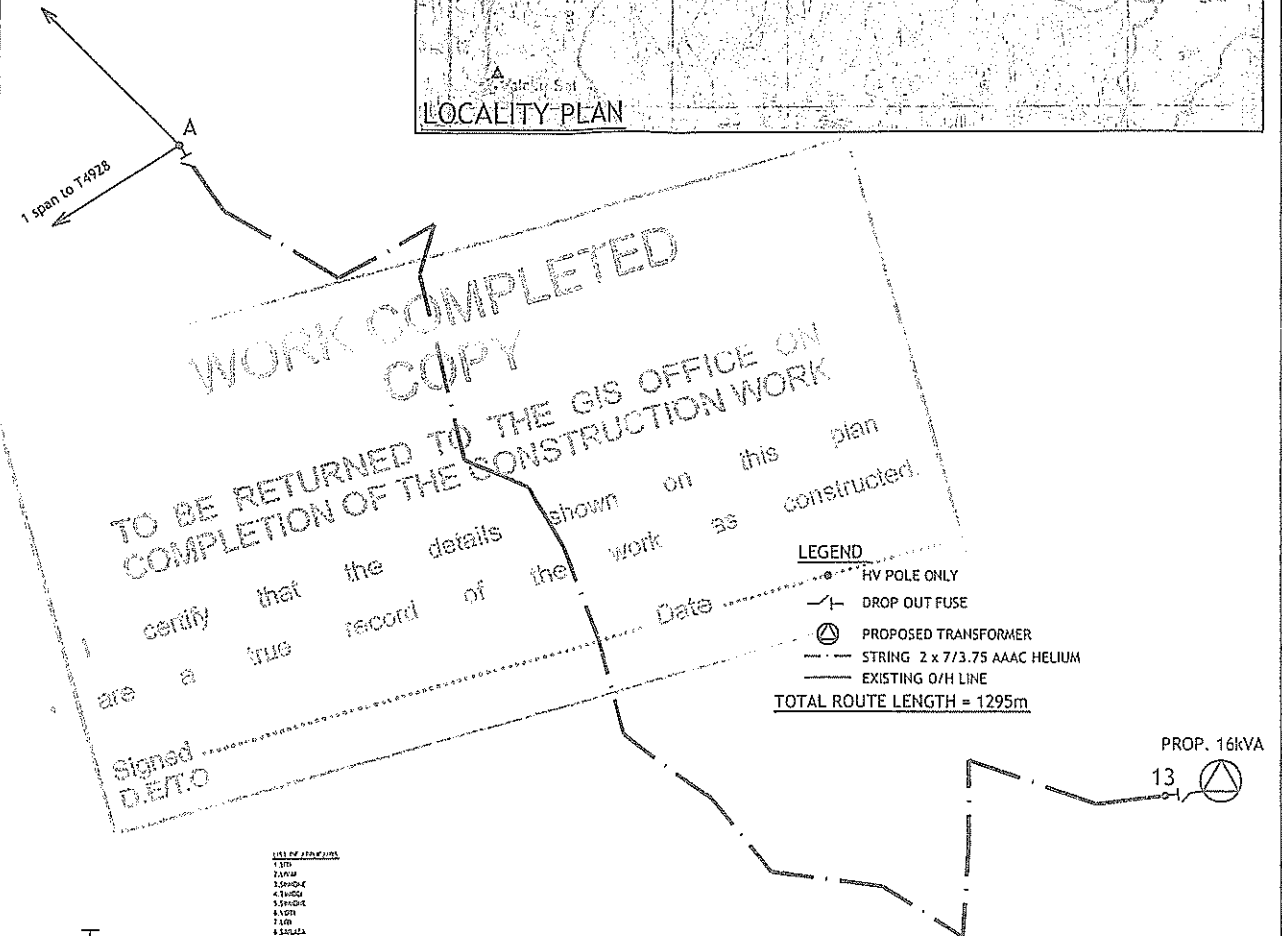
-  LV POLE ONLY  
 HV POLE ONLY  
 HV & LV POLE  
 GROUND STAY  
 EXISTING TRANSFORMER  
 PROPOSED TRANSFORMER  
 EXISTING O/H LINE  
 PROPOSED O/H LINE

**SINGLE LINE DIAGRAM**

DWG NO: 04 N20 071

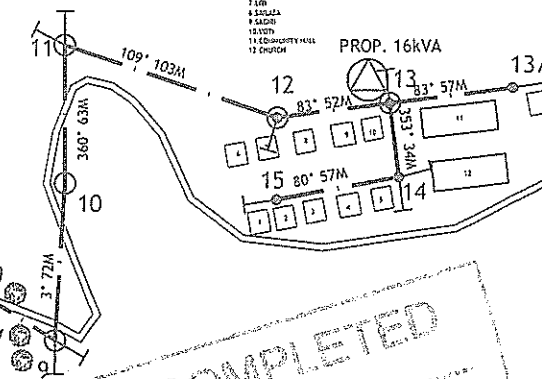


### FINAL HV CIRCUIT

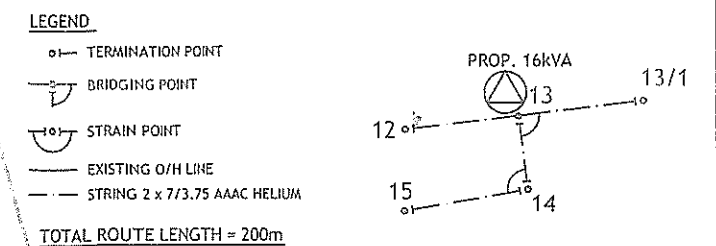


### POLE SCHEDULE

POLE NO	POLE DESCRIPTION (WOOD, CONC OR EXISTING)	POLE LENGTH & STRENGTH (m/kN)	SPAN (m)	ANGLE OF LINE DEVIATION (°)	POLE DRESSING	STAYS			REMARKS
						GROUND	FLY	GRND & FLY	
A	EXIST	-	-	-	EX+18A				INSTALL T/OFF DOF
B	EXIST	-	61	-	12A+EX				STRING 1φ HV ONLY
C	EXIST	-	103	-	14A+EX				STRING 1φ HV ONLY
D	EXIST	-	83	-	13A+13A+EX	2			STRING 1φ HV ONLY
E	CONC	11/5.5	40	30	14A+EX	1			STRING 1φ HV ONLY
1	CONC	11/5.5	146	53	14A	1	1		STRING 1φ HV ONLY
2	CONC	10.2/6	53	37	12A	1			STRING 1φ HV ONLY
3	CONC	"	53	8	11A				STRING 1φ HV ONLY
4	CONC	"	77	6	11A				STRING 1φ HV ONLY
5	CONC	"	75	37	12A	1			STRING 1φ HV ONLY
6	CONC	"	82	13	11A	1			STRING 1φ HV ONLY
7	CONC	"	74	43	14A	1			STRING 1φ HV ONLY
8	CONC	"	87	25	12A	1			STRING 1φ HV ONLY
9	CONC	"	72	119	13A+13A	2			STRING 1φ HV ONLY
10	CONC	"	72	3	11A				STRING 1φ HV ONLY
11	CONC	"	63	109	13A+13A	2			STRING 1φ HV ONLY
12	CONC	"	103	26	12A+3A	1			STRING 1φ HV & 1φ LV
13	CONC	11/5.5	52	0	13A+1A+3A+REM	1			INSTALL 16kVA TXF
13/1	CONC	10.2/6	57	-	3A	1			STRING 1φ LV ONLY
14	CONC	"	34	87	3A+3A	2			STRING 1φ LV ONLY
15	CONC	"	57	-	3A	1			STRING 1φ LV ONLY



### FINAL LV CIRCUIT



122-72M

E

Q

H

CONSTRUCTION COMPLETED

COMMISSIONED

DRAWN	DEEPAK	27/09/17
CHECKED	(initials)	28/9/17
CHIEF DRAUGHTSMAN	Deepak	27/09/17
TEAM LEADER	DEEPAK	28/9/17
ENGINEER	DEEPAK	28/9/17
HEAD OF DEPARTMENT	(initials)	28/9/17

FIJI ELECTRICITY AUTHORITY

SUPPLY TO TUKURAKI VILLAGE  
TUKURAKI VILLAGE AREA  
BA DISTRICT (BA03/16)

DRAWING NUMBER

A3	04	N82	121
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SCALE NTS

No.	REVISION
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DATE	BY	CHK	PSD	APP
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