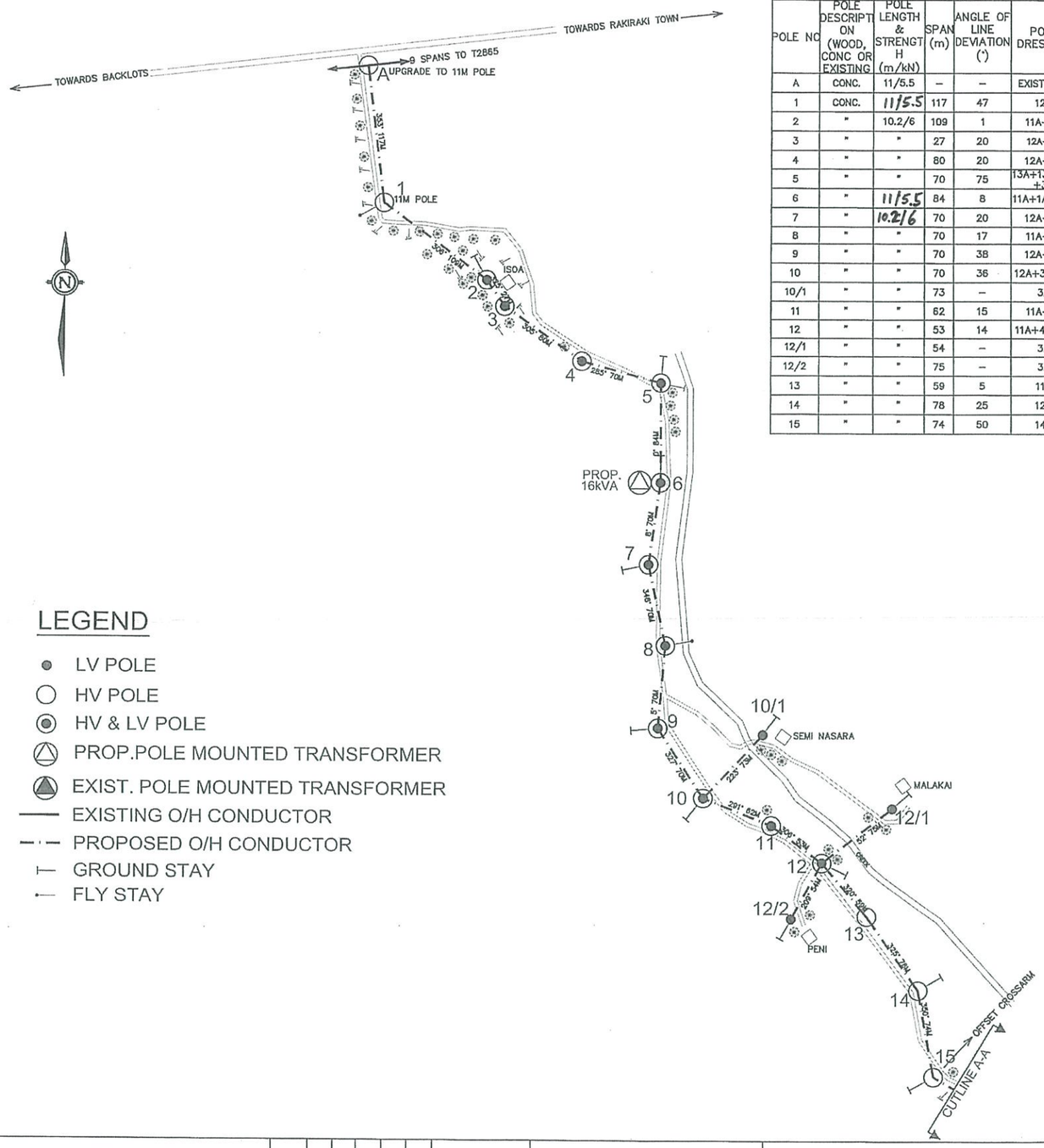
A1 | 04 | N85 | 101



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

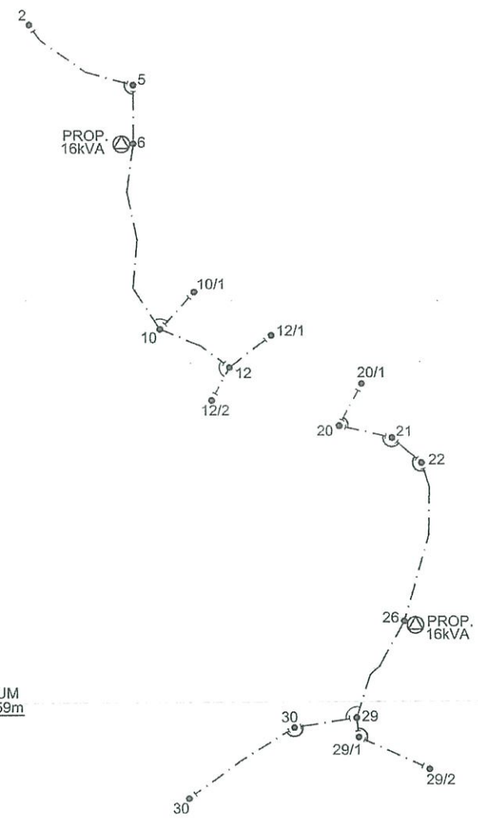
POLE SCHEDULE

POLE NO	POLE DESCRIPTION (WOOD, CONC OR EXISTING	POLE LENGTH & STRENGTH (m/kN)	SPAN (m)	ANGLE OF LINE DEVIATION (°)	POLE DRESSING	STAYS			REMARKS
						GRND	FLY	GRND & FLY	
A	CONC.	11/5.5	–	–	EXIST+1BA				INSTALL DOF
1	CONC.	11/5.5	117	47	12A		1		STRING 1ϕ HV ONLY
2	"	10.2/6	109	1	11A+3A	1			STRING 1ϕ HV & 1ϕ LV ONLY
3	"	"	27	20	12A+2A				"
4	"	"	80	20	12A+2A				"
5	"	"	70	75	13A+13A+3A +3A	2			"
6	"	11/5.5	84	8	11A+1A+REM	1			INSTALL 16kVA TXF
7	"	10.2/6	70	20	12A+2A	1			STRING 1ϕ HV & 1ϕ LV ONLY
8	"	"	70	17	11A+1A		1		"
9	"	"	70	38	12A+2A	1			"
10	"	"	70	36	12A+3A+2A	1			"
10/1	"	"	73	–	3A	1			STRING 1ϕ LV ONLY
11	"	"	62	15	11A+1A				STRING 1ϕ HV & 1ϕ LV ONLY
12	"	"	53	14	11A+4A+3A	1			"
12/1	"	"	54	–	3A	1			"
12/2	"	"	75	–	3A	1			"
13	"	"	59	5	11A				STRING 1ϕ HV ONLY
14	"	"	78	25	12A	1			"
15	"	"	74	50	14A	1			"

LEGEND - LV CIRCUIT

- PROP. TRANSFORMER
- LV POLES ONLY
- TERMINATION POINT
- BRIDGING POINT
- STRAIN POINT
- STRING 2 x 7/3.75AAAC HELIUM
  TOTAL ROUTE LENGTH = 1859m

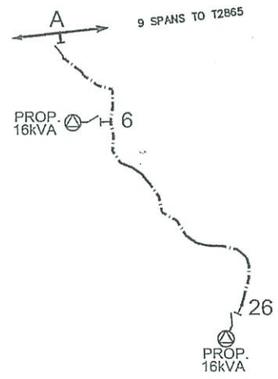
FINAL - LV CIRCUITS



LEGEND - HV CIRCUIT

- HV POLE
- EXIST. POLE MOUNTED TRANSFORMER
- PROP.POLE MOUNTED TRANSFORMER
- DROP OUT FUSE/ABS
- EXISTING O/H CONDUCTOR
- STRING 2 x 7/3.75AAAC HELIUM CONDUCTOR.
  TOTAL ROUTE LENGTH = 1804m

FINAL - HV CIRCUIT



No.	REVISION	DATE	BY	CHK	PSD	APP
0	ORIGINAL ISSUE	17.03.18	SK			

REFERENCE

CAD FILENAME

DRAWING No. | TITLE

SHEET 1 OF 2

DRAWN	SHANE	17.03.18
CHECKED	RAVNEEL	19/03/18
CHIEF DRAUGHTSMAN	S.K	19/3/18
TEAM LEADER	Ritesh.C	19/3/18
ENGINEER		20/3/18
HEAD OF DEPARTMENT		20/3/18

FIJI ELECTRICITY AUTHORITY

SUPPLY TO SOMITU,NAGO,NAQOROKAWA SETT.
RAKIRAKI DISTRICT(RA01–13)
SOMITU,NAGO,NAQOROKAWA AREA

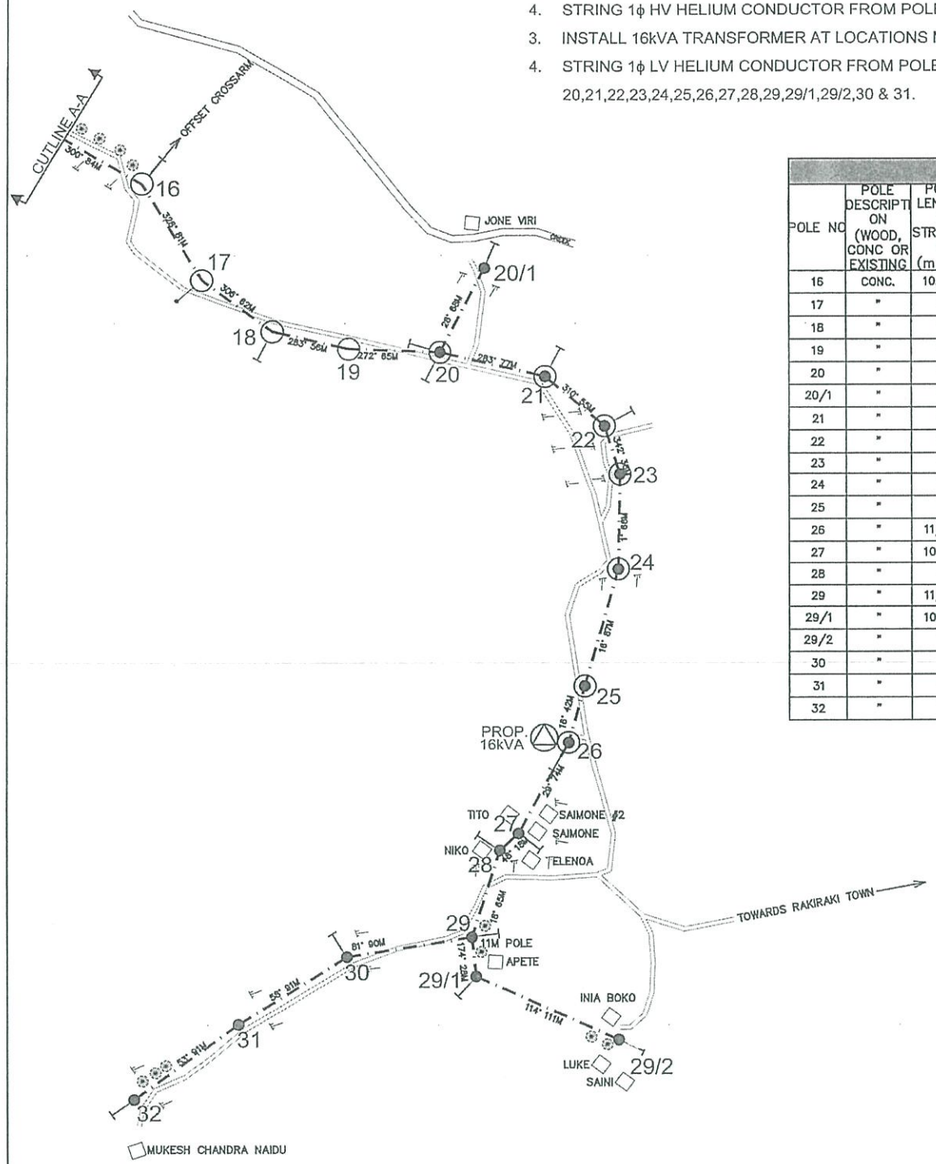
DRAWING NUMBER: A1 | 04 | N85 | 101

SCALE NTS

A1 | 04 | N85 | 101 |

SCOPE OF WORK:

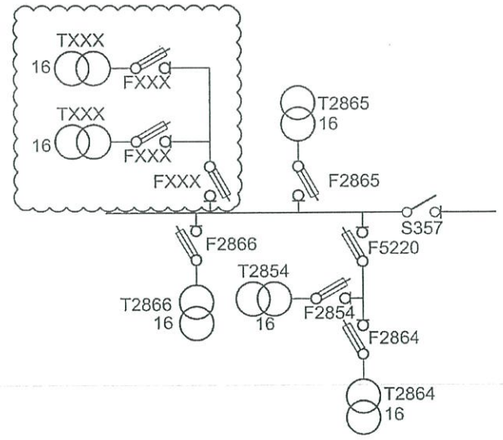
1. UPGRADE POLE A TO 11m POLE.
2. ERECT 10.2m RC POLE AT LOCATIONS MARKED 2,3,4,5,7,8,9,10,10/1,11,12,12/1,12/2,13,14,15,16,17,18,19,20,20/1,21,22,23,24,25,27,28,29,29/1,29/2,30,31 & 32.
3. ERECT 11m RC POLE AT LOCATION MARKED 1,6 & 26, 29
4. STRING 1ϕ HV HELIUM CONDUCTOR FROM POLE MARKED A TO 26 VIA POLES MARKED 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24 & 25.
3. INSTALL 16kVA TRANSFORMER AT LOCATIONS MARKED 6 & 26.
4. STRING 1ϕ LV HELIUM CONDUCTOR FROM POLE 2 TO 12/2 VIA POLES 3,4,5,6,7,8,9,10,10/1,11,12 & 12/1 AND FROM POLE 20/1 TO 32 VIA POLES 20,21,22,23,24,25,26,27,28,29,29/1,29/2,30 & 31.



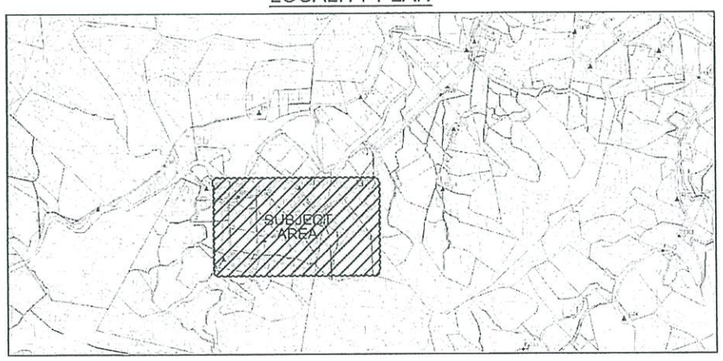
POLE SCHEDULE

POLE NO	POLE DESCRIPTION (WOOD, CONC OR EXISTING)	POLE LENGTH & STRENGTH (m/kN)	SPAN (m)	ANGLE OF LINE DEVIATION (°)	POLE DRESSING	STAYS			REMARKS
						GRND	FLY	GRND & FLY	
16	CONC.	10.2/6	84	28	12A	1			STRING 1ϕ HV ONLY
17	"	"	81	22	12A		1		"
18	"	"	62	23	12A	1			"
19	"	"	56	11	11A				"
20	"	"	65	11	11A+3A+3A	2			STRING 1ϕ HV & 1ϕ LV ONLY
20/1	"	"	68	–	3A	1			STRING 1ϕ LV ONLY
21	"	"	72	27	12A+2A	1			STRING 1ϕ HV & 1ϕ LV ONLY
22	"	"	55	32	12A+2A	1			"
23	"	"	36	19	14A+4A				"
24	"	"	68	15	11A+1A				"
25	"	"	87	–	11A+1A				"
26	"	11/5.5	42	13	13A+1A+REM	1			INSTALL 16kVA TXF
27	"	10.2/6	74	19	4A	1			STRING 1ϕ LV ONLY
28	"	"	18	30	2A	1			"
29	"	11/5.5	65	63	4A+3A	1			"
29/1	"	10.2/6	28	60	4A	1			"
29/2	"	"	111	–	3A	1			"
30	"	"	90	23	2A	1			"
31	"	"	91	5	1A				"
32	"	"	91	–	3A	1			"

SINGLE LINE DIAGRAM:
DRWG No. : 04 N20 051



LOCALITY PLAN



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SHEET 2 OF 2

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SCALE NTS