

FINAL HV CIRCUIT

HV LEGEND

- HV POLE ONLY
- DROPOUT FUSE
- PROPOSED TRANSFORMER
- STRING 2 x 7/3.75 AAC HELIUM
- EXISTING O/H LINE
- TOTAL ROUTE LENGTH = 2.276m

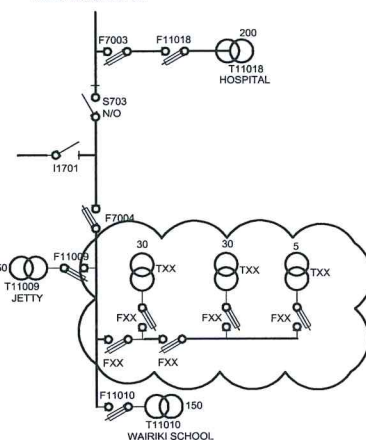
FINAL LV CIRCUIT

LV LEGEND

- TERMINATION POINT
- BRIDGING POINT
- STRAIN POINT
- PROPOSED TRANSFORMER
- EXISTING O/H LINE
- STRING 2 x 7/3.5 AAC HELIUM
- TOTAL ROUTE LENGTH = 3.844m

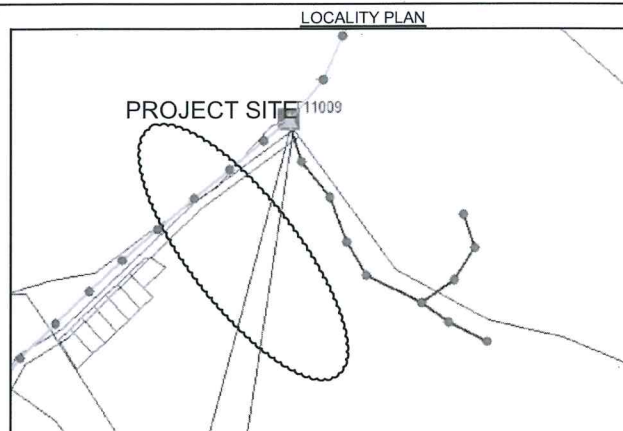
SINGLE LINE DIAGRAM

DRWG NO. 04 N30 014



SCOPE OF WORK

- ERECT 11m RC POLE AT LOCATIONS MARKED A, 6, 16, 17, 39, 51 & 55.
- ERECT 10.2m RC POLE AT LOCATIONS MARKED 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70 & 71.
- STRING 1Ø HV HELIUM CONDUCTOR FROM POLE A TO 56 VIA 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 16, 17, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 46, 47, 48, 49, 50, 51, 54 & 55.
- INSTALL 30kVA TRANSFORMER ON POLE MARKED 16 & 55 & 5kVA ON POLE MARKED 39.
- STRING 1Ø LV HELIUM CONDUCTOR FROM POLE 3 TO 31 VIA POLES 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 & FROM 37 TO 45 VIA 38, 39, 40, 41, 42, 43 & 44 & FROM 47 TO 71 VIA POLES 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69 & 70.



POLE SCHEDULE

POLE No.	POLE DESCRIPTION WOOD/CONC OR EXISTING	POLE Length m	SPAN m	ANGLE OF LINE DEVIATION IN DEG.	POLE TOP DESCRIPTION OR TYPE No.	GRND	SIDE- WALK	FLY	REMARKS
A	EXIST.	11	—	—	18A+EXIST				INSTALL DOF
1	CONC.	10.2	51	43	14A	1			STRING 1Ø HV ONLY
2	CONC.	10.2	70	1	11A				" " "
3	CONC.	10.2	70	17	11A+3A				STRING 1Ø LV & HV
4	CONC.	10.2	88	3	11A+1A				" " "
5	CONC.	10.2	55	1	11A+1A				" " "
6	CONC.	11	70	10/-	11A+18A+3A+3A			1	INSTALL DOF
7	CONC.	10.2	81	8	11A+1A				STRING 1Ø LV & HV
8	CONC.	10.2	58	49/-	14A+4A+3A	1			" " "
9	CONC.	10.2	87	25/-	2A+3A	1			STRING 1Ø LV ONLY
10	CONC.	10.2	29	—	3A	1			" " "
11	CONC.	10.2	72	24	2A	1			" " "
12	CONC.	10.2	30	63	4A	1			" " "
13	CONC.	10.2	42	—	3A	1			" " "
14	CONC.	10.2	50	43	14A+4A	1			STRING 1Ø LV & HV
15	CONC.	10.2	42	40	14A+4A	1			" " "
16	CONC.	11	85	42	14A+4A+REM	1			INSTALL 30kVA TRANSFORMER
17	CONC.	11	57	15/-	14A+4A+3A	1			STRING 1Ø LV & HV
18	CONC.	10.2	89	85	4A	1			STRING 1Ø LV ONLY
19	CONC.	10.2	40	40	4A	1			" " "
20	CONC.	10.2	52	24/-	2A+3A	1			" " "
21	CONC.	10.2	72	—	3A	1			" " "
22	CONC.	10.2	52	8	1A				" " "
23	CONC.	10.2	31	98	3A+3A	2			" " "
24	CONC.	10.2	31	—	3A	1			" " "
25	CONC.	10.2	85	9	11A+1A				STRING 1Ø LV & HV
26	CONC.	10.2	57	9	11A+1A				" " "
27	CONC.	10.2	80	38	12A+2A	1			" " "
28	CONC.	10.2	89	12/-	11A+1A+3A			1	" " "
29	CONC.	10.2	38	—	3A	1			STRING 1Ø LV ONLY
30	CONC.	10.2	78	81	14A+4A	1			STRING 1Ø LV & HV
31	CONC.	10.2	80	50	14A+3A	1			" " "
32	CONC.	10.2	71	36	12A	1			STRING 1Ø HV ONLY
33	CONC.	10.2	82	14	11A				" " "
34	CONC.	10.2	85	3	11A				STRING 1Ø HV ONLY
35	CONC.	10.2	85	14	11A				" " "
36	CONC.	10.2	89	18	11A				" " "
37	CONC.	10.2	86	22	12A+3A	1			STRING 1Ø LV & HV
38	CONC.	10.2	71	11	11A+1A				" " "
39	CONC.	11	86	10	13A+1A+REM				INSTALL 5kVA TRANSFORMER
40	CONC.	10.2	72	12	1A				STRING 1Ø LV ONLY
41	CONC.	10.2	74	20	2A	1			" " "
42	CONC.	10.2	71	18	1A				" " "
43	CONC.	10.2	79	25/-	3A+2A	1			" " "
44	CONC.	10.2	72	—	3A	1			" " "
45	CONC.	10.2	84	—	3A	1			" " "
46	CONC.	10.2	84	9	11A				STRING 1Ø HV ONLY
47	CONC.	10.2	86	150	13A+13A+3A	2			STRING 1Ø LV & HV
48	CONC.	10.2	50	91	13A+13A+3A+3A	2			" " "
49	CONC.	10.2	48	73	14A+4A	1			" " "
50	CONC.	10.2	58	14	11A+1A				" " "
51	CONC.	11	85	7/-	11A+1A+3A			1	STRING 1Ø LV & HV
52	CONC.	10.2	65	26	2A	1			STRING 1Ø LV ONLY
53	CONC.	10.2	72	—	3A	1			" " "
54	CONC.	10.2	83	55	14A+4A	1			STRING 1Ø LV & HV
55	CONC.	11	54	38	13A+2A+REM	1			INSTALL 30kVA TRANSFORMER
56	CONC.	10.2	83	13/-	2A+3A	1			STRING 1Ø LV ONLY
57	CONC.	10.2	84	25	2A	1			" " "
58	CONC.	10.2	65	43	4A	1			" " "
59	CONC.	10.2	84	44	4A	1			" " "
60	CONC.	10.2	78	25	2A	1			" " "
61	CONC.	10.2	88	15	1A				" " "
62	CONC.	10.2	90	22	2A	1			" " "
63	CONC.	10.2	90	—	3A	1			" " "
64	CONC.	10.2	44	8	1A				" " "
65	CONC.	10.2	89	54	4A	1			" " "
66	CONC.	10.2	86	5	1A				" " "
67	CONC.	10.2	74	15	1A				" " "
68	CONC.	10.2	54	13	1A				" " "
69	CONC.	10.2	80	19	1A				" " "
70	CONC.	10.2	73	9	1A				" " "
71	CONC.	10.2	72	—	3A	1			" " "

No.	REVISION	DATE	BY	CHK	PSD	APP	REFERENCE	DRAWING No.	TITLE
0	ORIGINAL ISSUE FOR SI No. TAVE12/16	30.11.17	JV						

DRAWN	JONE	06.12.17
CHECKED	Tivani	08/12/17
CHIEF DRAUGHTSMAN	Ritesh	08/12/17
TEAM LEADER	Ritesh	08/12/17
PLANNING AND DESIGN	Ritesh	08/12/17
ENGINEER	Ritesh	08/12/17
HEAD OF DEPARTMENT	Ritesh	08/12/17

FIJI ELECTRICITY AUTHORITY

SUPPLY TO NAIYALAYALA & FATIMA SETT.
TAVEUNI DISTRICT (TAVE12/16)
NAIYALAYALA & FATIMA SETT.

DRAWING NUMBER

A1 04 N94 008

SCALE 1:5000