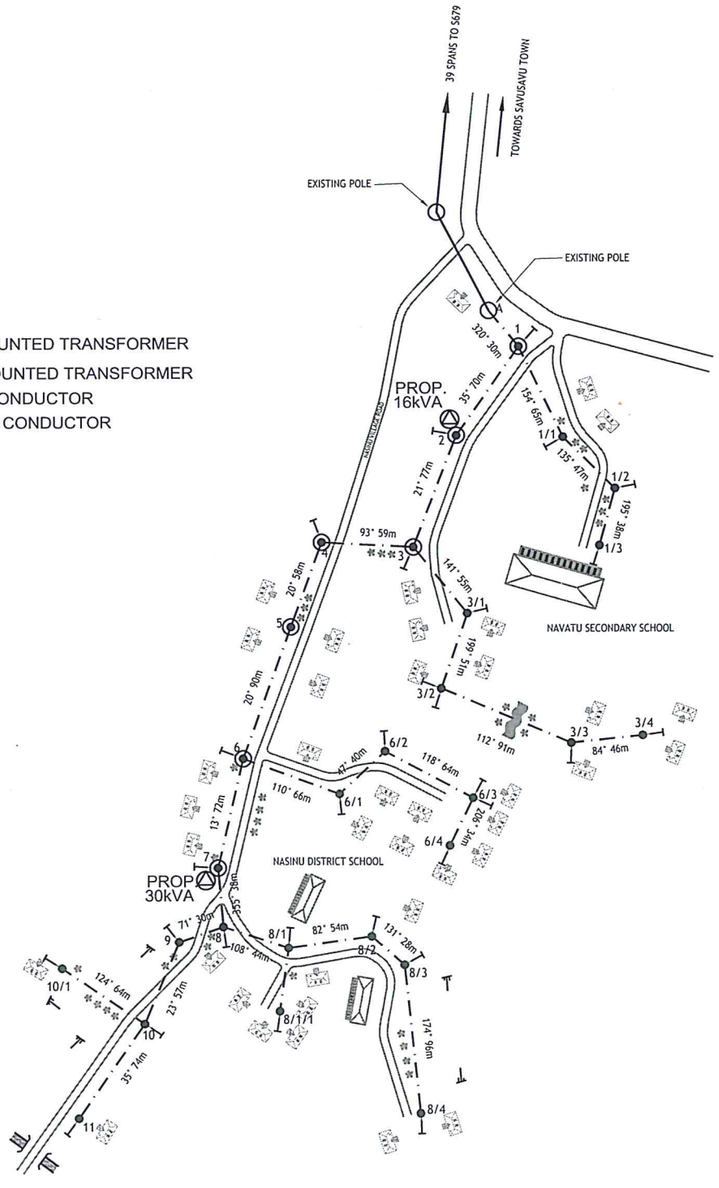
A1	04	N93	052	

SCOPE OF WORK:

1. ERECT 10.2m RC POLE AT LOCATIONS MARKED 1,1/1,1/2,1/3,3,3/1,3/2,3/3,3/4,4,5,6,6/1,6/2,6/3,6/4,8,9,10,10/1 & 11.
2. ERECT 10.2m WOODEN POLE AT LOCATIONS MARKED 8/1,8/1/1,8/2,8/3 & 8/4.
3. ERECT 11m RC POLE AT LOCATION MARKED 2 & 7.
4. STRING 1ϕ HV HELIUM CONDUCTOR FROM POLE A TO 7 VIA POLES 1,2,3,4,5 & 6.
5. INSTALL 16kVA TRANSFORMER AT LOCATION MARKED 2 AND 30kVA TRANSFORMER AT LOCATION MARKED 7.
6. STRING 1ϕ LV HELIUM CONDUCTOR FROM POLE A TO 11 VIA POLES
   1,1/1,1/2,1/3,2,3,3/1,3/2,3/3,3/4,4,5,6,6/1,6/2,6/3,6/4,7,8,8/1,8/1/1,8/2,8/3,8/4,9,10,10/1 & 11.

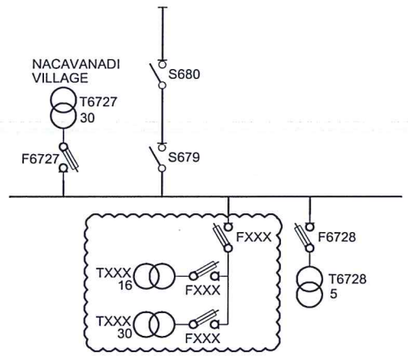
LEGEND

- 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

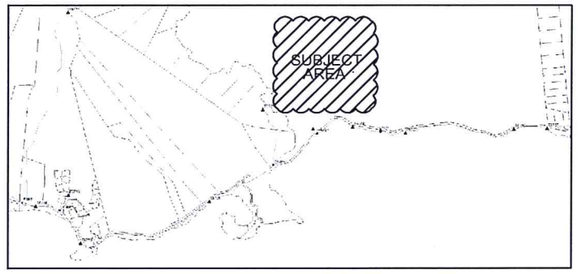


SINGLE LINE DIAGRAM:

DRWG No. : 04 N30 008



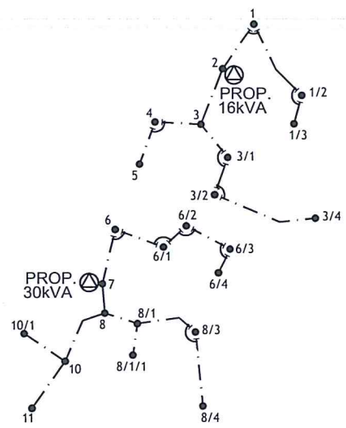
LOCALITY PLAN



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	EXIST	EXIST	-	-	EXIST+18A				INSTALL DOF
1	CONC.	10.2/6	30	75	13A+3A+3A	1			STRING 1ϕ HV & 1ϕ LV ONLY
1/1	"	"	65	19	2A	1			STRING 1ϕ LV ONLY
1/2	"	"	47	60	4A	1			"
1/3	"	"	38	-	3A	1			"
2	"	11/5.5	70	14	11A+1A+REM	1			INSTALL 16kVA TXF
3	"	10.2/6	77	72	14A+4A+3A	1			STRING 1ϕ HV & 1ϕ LV ONLY
3/1	"	"	55	58	4A	1			STRING 1ϕ LV ONLY
3/2	"	"	51	87	3A+3A	2			"
3/3	"	"	91	28	2A	1			"
3/4	"	"	46	-	3A	1			"
4	"	"	59	73	4A	1			STRING 1ϕ HV & 1ϕ LV ONLY
5	"	"	58	-	11A+1A				"
6	"	"	90	7	11A+1A+3A	1			"
6/1	"	"	66	63	4A	1			STRING 1ϕ LV ONLY
6/2	"	"	40	71	4A	1			"
6/3	"	"	64	88	3A+3A	2			"
6/4	"	"	34	-	3A	1			"
7	"	11/5.5	72	18	13A+1A+REM	1			INSTALL 30kVA TXF
8	"	10.2/6	38	76	4A+3A	1			STRING 1ϕ LV ONLY
8/1	WOODEN	"	44	26	2A+3A	1			"
8/1/1	"	"	40	-	3A	1			"
8/2	"	"	54	49	4A	1			"
8/3	"	"	28	43	4A	1			"
8/4	"	"	96	-	3A	1			"
9	CONC.	"	30	48	4A	1			"
10	"	"	57	12	1A+3A	1			"
10/1	"	"	64	-	3A	1			"
11	"	"	74	-	3A	1			"

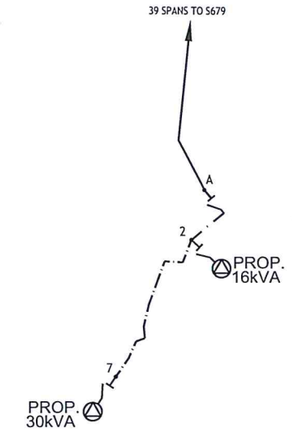
FINAL - LV CIRCUIT



LEGEND - LV CIRCUIT

- PROP. TRANSFORMER
- LV POLES ONLY
- TERMINATION POINT
- BRIDGING POINT
- STRAIN POINT
- N/O LINK
- STRING 2 x 7/3.75AAAC HELIUM
  TOTAL ROUTE LENGTH = 1578m

FINAL - HV CIRCUIT



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 = 456m

No.	REVISION	DATE	BY	CHK	PSD	APP
0		06.04.18	SK			

REFERENCE

CAD FILENAME

DRAWING No.

TITLE

DRAWN	SHANE	06.04.18
CHECKED	Kaushal	23/04/18
CHIEF DRAUGHTSMAN		23/4/18
TEAM LEADER	Kaushal	23/04/18
ENGINEER	Rajiv. S	23/4/18
HEAD OF DEPARTMENT		23/4/18

FIJI ELECTRICITY AUTHORITY

SUPPLY TO LOVONIQAI SETTLEMENT
SAVUSAVU DISTRICT
LOVONIQAI AREA(SA01-17)

DRAWING NUMBER

A1	04	N93	052	

SCALE 1:2000