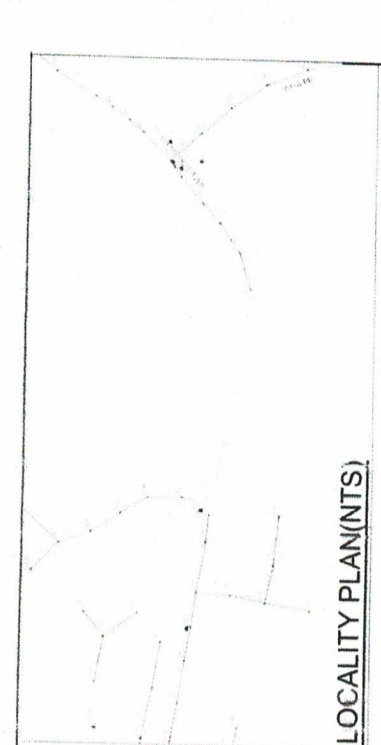
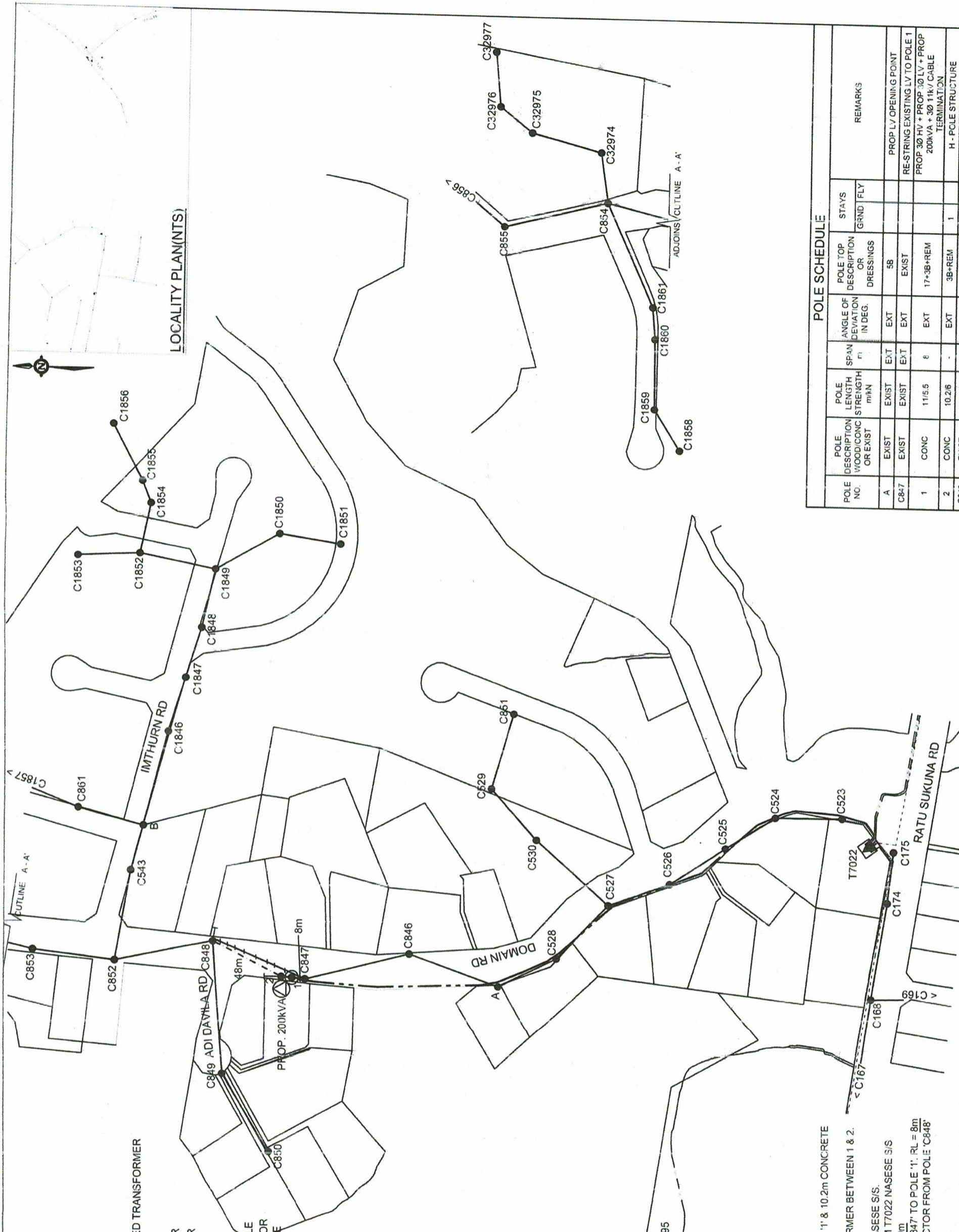


LEGEND

- LV POLE
- ⊙ HV & LV POLE
- ⊙ EXISTING TRANSFORMER
- ⊙ PROPOSED POLE MOUNTED TRANSFORMER
- ⊙ EXISTING SUBSTATION
- EXISTING O/H CONDUCTOR
- EXISTING O/H CONDUCTOR TO BE REMOVED
- EXISTING 11kV U/G CABLE
- EXISTING 6.6kV U/G CABLE
- EXISTING 0.415kV U/G CABLE
- PROPOSED O/H CONDUCTOR
- PROPOSED 11kV U/G CABLE
- GROUND STAY



SCOPE:

- INSTALL 1 x 11m CONCRETE POLE MARKED '1' & 10.2m CONCRETE POLE MARKED '2' C/W DRESSING & STAY.
- INSTALL 200KVA POLE MOUNTED TRANSFORMER BETWEEN 1 & 2. (H - STRUCTURE)
- INSTALL CCC I/D SAFELINK SIG AT T7022 NASESE S/S.
- DIG & LAY 1 x 240mm² 3C XLPE CABLE FROM T7022 NASESE S/S CCC SIG TO POLE '1' & TERMINATE. RL = 450m
- RE-STRING LV CONDUCTOR FROM POLE 'C847' TO POLE '1'. RL = 8m
- STRING 4 x 7/3.75 AAAC LV HELIUM CONDUCTOR FROM POLE 'C848' TO POLE '2'. RL = 48m
- UPGRADE DRESSING ON POLE 'A' TO SB.

POLE SCHEDULE							
POLE NO.	POLE DESCRIPTION WOOD/CONC OR EXIST	POLE LENGTH m/ft	SPAN m	ANGLE OF DEVIATION IN DEG.	POLE TOP DESCRIPTION OR DRESSINGS	STAYS GRND / FLY	REMARKS
A	EXIST	EXIST	EXT	EXT	SB		PROP LV OPENING POINT
C8-7	EXIST	EXIST	EXT	EXT	EXIST		RE-STRING EXISTING LV TO POLE 1
1	CONC	11:5.5	8	EXT	17*3B+REM		PROP 30 HV + PROP 30 LV + PROP 200KVA + 30 11kV CABLE TERMINATION
2	CONC	10.2:6	-	EXT	3B+REM	1	H - POLE STRUCTURE
C8-8	EXIST	EXIST	4B	EXT	4B	1	STRING 30 LV TO POLE 2

ENERGY FIJI LIMITED

11kV U/G GRID EXTENSION & INSTALLATION OF 200KVA POLE MOUNTED TRANSFORMER TO ALLEVIATE LOW VOLTAGE & T7022 OVERLOADING AT DOMAIN RD, NASESE SUVA (SR19.25)

DRAWN	PRIYA	15.04.25
CHECKED	<i>[Signature]</i>	16.04.25
GIS COORDINATOR		
TEAM LEADER DESIGN & PLANNING	<i>[Signature]</i>	16.04.25
ENGINEER	<i>[Signature]</i>	16.04.25
HEAD OF DEPARTMENT	<i>[Signature]</i>	16.04.25



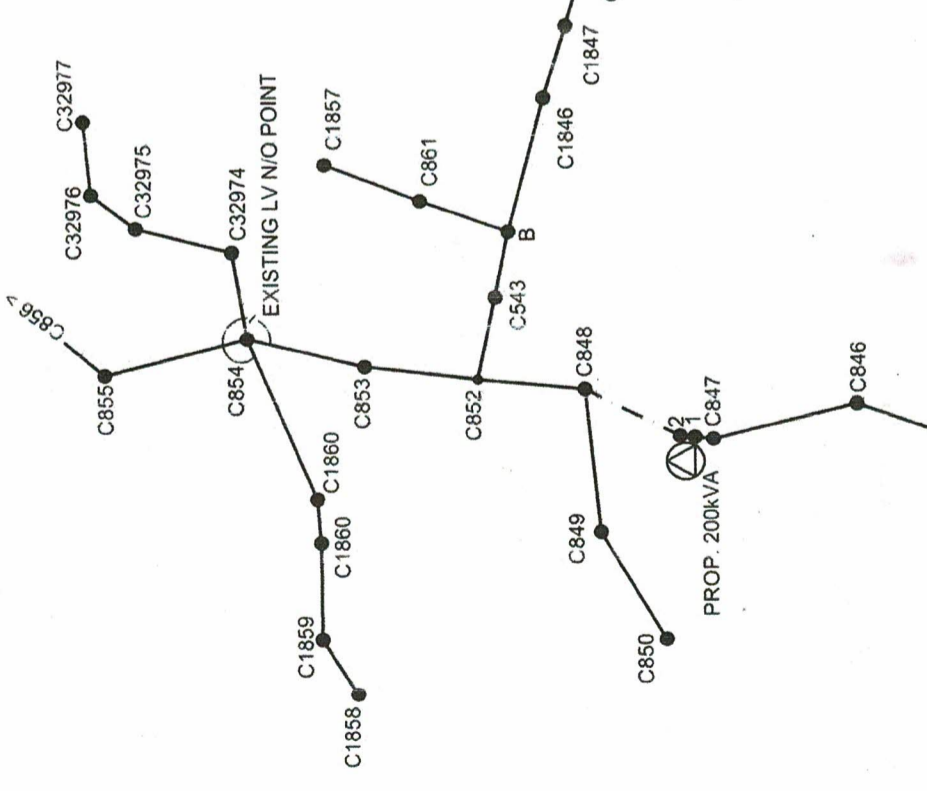
No.	REVISION	DATE	BY	CHK	DEPT. ENG	HOD
0	ORIGINAL ISSUE FOR SR19.25	15.04.25	PS	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

DRAWING NUMBER	A3 09 N48 480
SCALE	NTS

SHEET 1 OF 2

FINAL LV CIRCUIT

FINAL SINGLE LINE DIAGRAM
REF. DRWG 04 N10 006



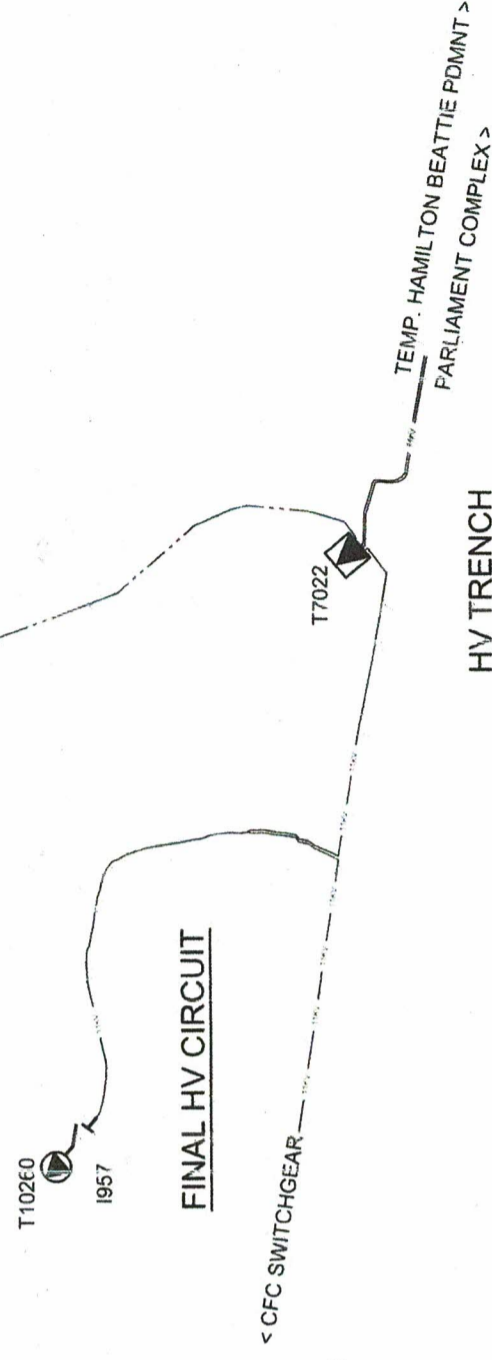
LEGEND - LV CIRCUIT

- LV POLE
- ⊙ PROPOSED POLE MOUNTED TRANSFORMER
- ⊠ EXISTING SUBSTATION
- ⊕ LV LINK POLE
- ⊖ STRAIN POLE
- EXISTING 0.4/15KV U/G CABLE
- EXISTING O/H CONDUCTOR
- STRING 4 x 7/3.75 AAAC LV HELIUM CONDUCTOR
- TOTAL ROUTE LENGTH = 48m

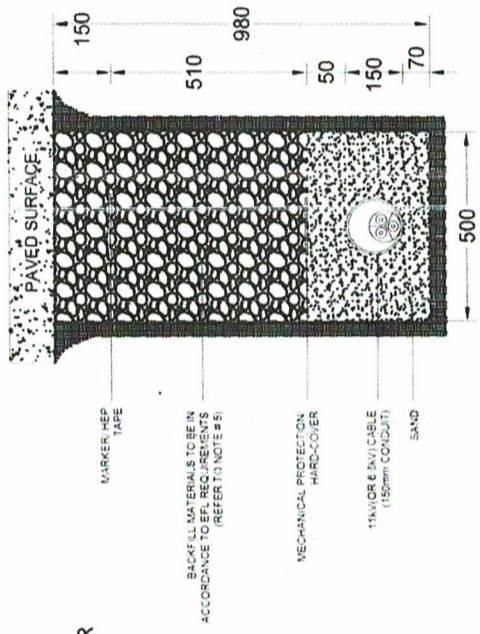
LEGEND - HV CIRCUIT

- ⊙ EXISTING TRANSFORMER
- ⊙ PROPOSED POLE MOUNTED TRANSFORMER
- ⊠ EXISTING SUBSTATION
- ⊖ DROP OUT FUSE
- EXISTING 11KV U/G CABLE
- LAY 1 x 240mm² 3C XLPE CABLE
- TOTAL ROUTE LENGTH = 450m

FINAL HV CIRCUIT



HV TRENCH



ENERGY FIJI LIMITED

DRAWING NUMBER		A3	09	N48	480
SCALE		NTS			
11KV U/G GRID EXTENSION & INSTALLATION OF 200KVA POLE MOUNTED TRANSFORMER TO ALLEVIATE LOW VOLTAGE & T7022 OVERLOADING AT DOMAIN RD, NASESE SUVA (SR19.25)					

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