A1 | 09 | N57 | 006 |

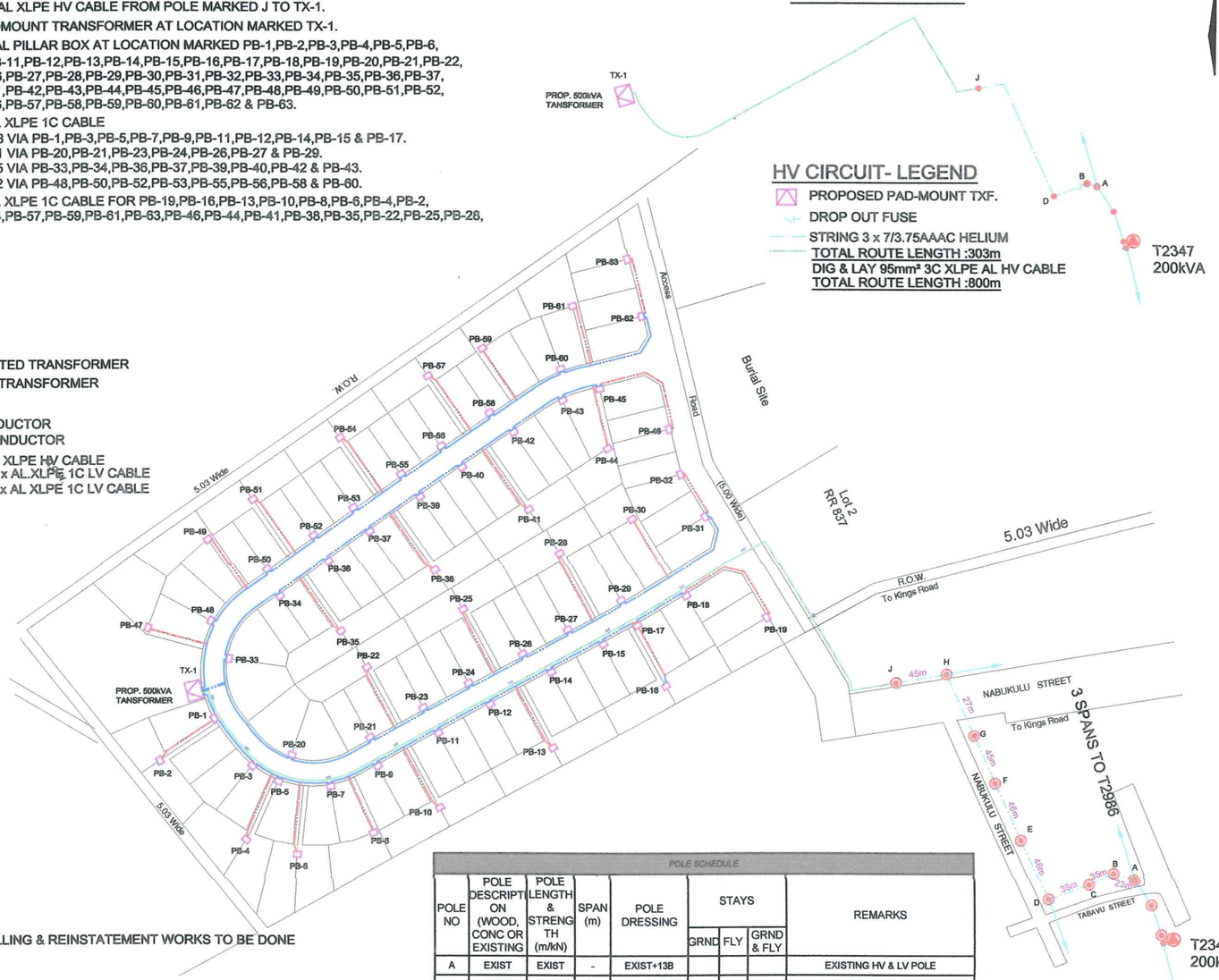
SCOPE OF WORK:

1. UPGRADE POLES B, D, H & J TO 11m RC POLE.
2. STRING 3 ϕ HV HELIUM CONDUCTOR FROM POLE MARKED A TO J VIA POLES B, C, D, E, F, G & H.
3. TERMINATE EACH END OF THE CABLE AT POLE MARKED J AND THE OTHER END OF THE CABLE AT TX-1
4. DIG AND LAY 95mm² 3C AL XLPE HV CABLE FROM POLE MARKED J TO TX-1.
5. INSTALL 1 x 500kVA PADMOUNT TRANSFORMER AT LOCATION MARKED TX-1.
6. INSTALL 1 x RESIDENTIAL PILLAR BOX AT LOCATION MARKED PB-1,PB-2,PB-3,PB-4,PB-5,PB-6, PB-7,PB-8,PB-9,PB-10,PB-11,PB-12,PB-13,PB-14,PB-15,PB-16,PB-17,PB-18,PB-19,PB-20,PB-21,PB-22, PB-23,PB-24,PB-25,PB-26,PB-27,PB-28,PB-29,PB-30,PB-31,PB-32,PB-33,PB-34,PB-35,PB-36,PB-37, PB-38,PB-39,PB-40,PB-41,PB-42,PB-43,PB-44,PB-45,PB-46,PB-47,PB-48,PB-49,PB-50,PB-51,PB-52, PB-53,PB-54,PB-55,PB-56,PB-57,PB-58,PB-59,PB-60,PB-61,PB-62 & PB-63.
7. DIG & LAY 185mm² 4 x AL XLPE 1C CABLE
   FROM TX-1 TO PB-18 VIA PB-1,PB-3,PB-5,PB-7,PB-9,PB-11,PB-12,PB-14,PB-15 & PB-17.
   FROM TX-1 TO PB-31 VIA PB-20,PB-21,PB-23,PB-24,PB-26,PB-27 & PB-29.
   FROM TX-1 TO PB-45 VIA PB-33,PB-34,PB-36,PB-37,PB-39,PB-40,PB-42 & PB-43.
   FROM TX-1 TO PB-62 VIA PB-48,PB-50,PB-52,PB-53,PB-55,PB-56,PB-58 & PB-60.
8. DIG & LAY 185mm² 2 x AL XLPE 1C CABLE FOR PB-19,PB-16,PB-13,PB-10,PB-8,PB-6,PB-4,PB-2, PB-47,PB-49,PB-51,PB-54,PB-57,PB-59,PB-61,PB-63,PB-46,PB-44,PB-41,PB-38,PB-35,PB-22,PB-25,PB-28, PB-30 & PB-32.

LEGEND

- LV POLE
- HV & LV POLE
- EXIST. POLE MOUNTED TRANSFORMER
- PROP. PADMOUNT TRANSFORMER
- PILLAR BOX
- EXISTING O/H CONDUCTOR
- PROPOSED O/H CONDUCTOR
- DIG & LAY 95mm² 3C XLPE HV CABLE
- DIG & LAY 185mm² 4 x AL XLPE 1C LV CABLE
- DIG & LAY 185mm² 2 x AL XLPE 1C LV CABLE
- GROUND STAY
- FLY STAY

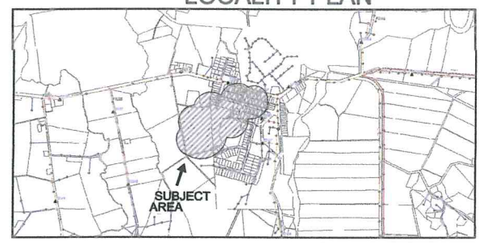
FINAL HV CIRCUIT



HV CIRCUIT- LEGEND

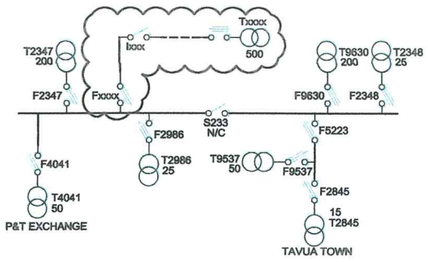
- PROPOSED PAD-MOUNT TXF.
- DROP OUT FUSE
- STRING 3 x 7/3.75AAAC HELIUM
  TOTAL ROUTE LENGTH :303m
- DIG & LAY 95mm² 3C XLPE AL HV CABLE
  TOTAL ROUTE LENGTH :800m

LOCALITY PLAN

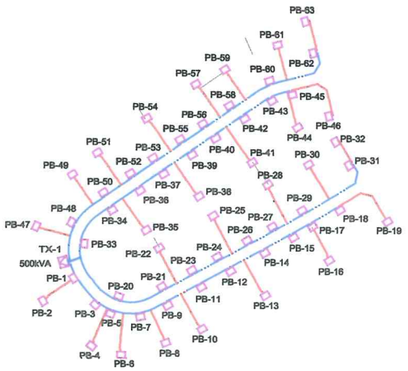


SINGLE LINE DIAGRAM

DRWG No. 04 N20 051



FINAL LV CIRCUIT



LV LEGEND

- PROPOSED PAD-MOUNT TXF.
- PILLAR BOX
- DIG & LAY 185mm² 1C 4 x AL XLPE LV CABLE
  TOTAL ROUTE LENGTH : 5,500m
- DIG & LAY 185mm² 2 x AL XLPE 1C LV CABLE
  TOTAL ROUTE LENGTH : 2,400m

NOTE:

1. TRENCHING, BACKFILLING & REINSTATEMENT WORKS TO BE DONE BY EFL.

POLE SCHEDULE

POLE NO	POLE DESCRIPTION (WOOD, CONC OR EXISTING	POLE LENGTH & STRENGTH (m/kN)	SPAN (m)	POLE DRESSING	STAYS			REMARKS
					GRND	FLY	GRND & FLY	
A	EXIST	EXIST	-	EXIST+13B				EXISTING HV & LV POLE
B	CONC	11/5.5	23	18B+EXIST				INSTALL DOF
C	EXIST	EXIST	35	11B+EXIST				STRING 3 ϕ HV ONLY
D	CONC	11/5.5	36	13B+13B+EXIST				"
E	EXIST	EXIST	46	11B+EXIST				"
F	EXIST	EXIST	46	11B+EXIST				"
G	EXIST	EXIST	45	11B+EXIST				"
H	CONC	11/5.5	27	13B+13B+EXIST				"
J	CONC	11/5.5	45	16B+EXIST				TERMINATE END RESPECTIVELY

No.	REVISION	DATE	BY	CHK	PSD	APP
0	ORIGINAL ISSUE FOR SI No.SD12/18	30.04.19	JV			

REFERENCE

CAD FILENAME C:\PROJECTS\XXXXXXXX.DWG

DRAWING No. TITLE

EFL energising our nation

DRAWN	JONE	09.05.19
CHECKED	IOWANE	28.06.19
CHIEF DRAUGHTSMAN	JONE	28.06.19
TEAM LEADER PLANNING & DESIGN	Kavah	28.06.19
ENGINEER	Zaina	28/6/19
HEAD OF DEPARTMENT		1/7/19

ENERGY FIJI LIMITED

SUPPLY TO PROPOSED SUBDVISION
TAVUA DISTRICT
KORONISALUSALU (SD12/18)

DRAWING NUMBER: A1 | 09 | N57 | 006 |

SCALE: NTS