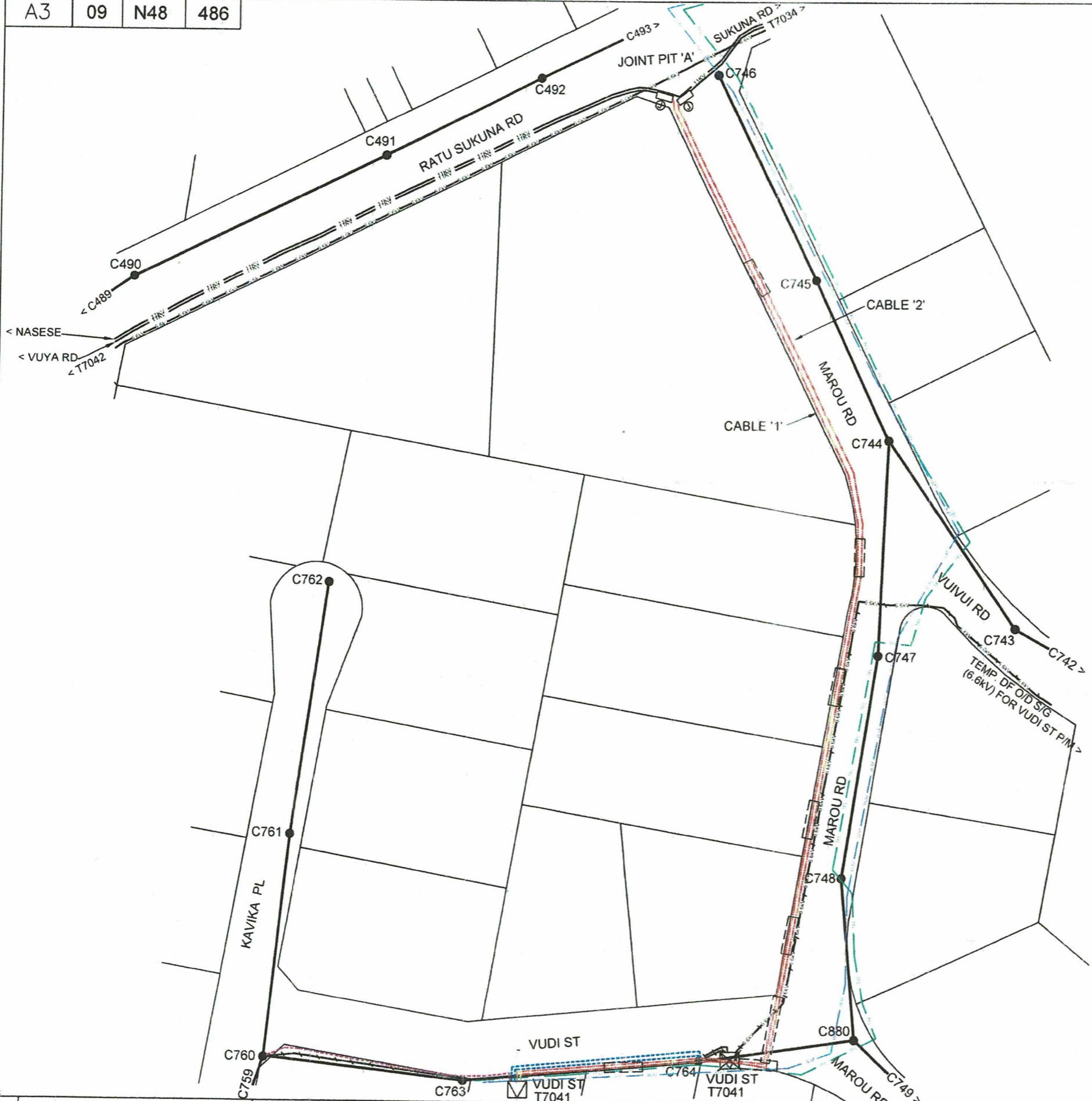


LOCALITY PLAN(NTS)



LEGEND

- LV POLE
- ⊕ PROPOSED 11kV STRAIGHT THRU JOINT
- ▭ 150mm Ø PVC CONDUIT
- ⊠ EXISTING PADMOUNT TRANSFORMER TO BE REMOVED
- ⊠ PROPOSED PADMOUNT TRANSFORMER
- EXISTING O/H CONDUCTOR
- EXISTING 0.415kV U/G CABLE TO BE REMOVED
- PROPOSED 2 x 240mm² 4C Cu CABLE
- PROPOSED 1 x 185mm² 4C Cu CABLE
- 11kV EXISTING 11kV U/G CABLE
- 6.6kV EXISTING 6.6kV U/G CABLE
- EXISTING 6.6kV U/G CABLE TO BE REMOVED
- PROPOSED 11kV U/G CABLE
- EXISTING WATER AUTHORITY PIPE LINE (INDICATIVE)
- EXISTING TELECOM LINE (INDICATIVE)

SCOPE OF WORK:

1. INSTALL NEW 300kVA 11/0.415kV PADMOUNTED TRANSFORMER AT LOCATION INDICATED AS PER DESIGN.
2. DIG & LAY 2 x 240mm² 3C XLPE 11kV CABLES FROM 300kVA 11/0.415kV PADMOUNTED TRANSFORMER TO JOINT PIT 'A' AT JUNCTION OF RATU SUKUNA RD & MAROU RD. RL = 320cm
3. MAKE JOINTS WITH EXISTING 11kV CABLES BETWEEN VUYAJI RD S/S T7042 & SUKUNA RD P/M T7034 & MAKE JOINTS WITH NEW CABLES AS FOLLOWS AT JOINT PIT 'A'.
 - i. CABLE '1' - JOIN END OF FIRST CABLE (FROM 300kVA PADMOUNTED TRANSFORMER) WITH END OF EXISTING CABLE FROM VUYAJI RD S/S T7042 & TERMINATE OTHER END TO 300kVA PADMOUNTED TRANSFORMER.
 - ii. CABLE '2' - JOIN END OF SECOND CABLE (FROM 300kVA PADMOUNTED TRANSFORMER) WITH END OF EXISTING CABLE FROM SUKUNA RD T7034 & TERMINATE OTHER END TO 300kVA PADMOUNTED TRANSFORMER.
4. LABEL HV SWITCHES RESPECTIVELY AS PER CONNECTION AS FOLLOWS:
 - a. AT VUYAJI RD S/S T7042, CHANGE S/M LABEL "SUKUNA RD" TO "VUDI ST".
 - b. AT SUKUNA RD S/S T7034, CHANGE S/M LABEL "VUYAJI RD" TO "VUDI ST".
 - c. AT VUDI ST, LABEL S/M TO "SUKUNA RD" & "VUYAJI RD" AS PER CONNECTION.
5. a. DIG & LAY 2 x 240mm² 4C Cu CABLE FROM 300kVA 11kV PAD MOUNTED TRANSFORMER TO LV POLE 'C764'. RL = 60m AND TERMINATE AT BOTH ENDS. DECOMMISSION & REMOVE EXISTING LV CABLES.
 - b. DIG & LAY 1 x 185mm² 4C Cu CABLE FROM 300kVA PADMOUNT TRANSFORMER TO LV POLE 'C760'. RL = 70m AND TERMINATE AT BOTH ENDS.
6. DECOMMISSION & REMOVE EXISTING LV CABLES FROM EXISTING VUDI ST PADMOUNTED TRANSFORMER T7041 TO POLES 'C760' & 'C764'.
7. DECOMMISSION & REMOVE EXISTING 6.6kV VUDI ST PADMOUNTED TRANSFORMER AND INDUSTRIAL PILLAR BOX AT VUDI ST.
8. DECOMMISSION & REMOVE TEMPORARY STODDART ST DF O/D S/G & DECOMMISSION 6.6kV CABLE TO 6.6kV VUDI ST PADMOUNT.
9. COMMISSION NEW 300kVA 11/0.415kV PADMOUNTED TRANSFORMER ON 11kV DAMODAR FEEDER.
10. TRENCHING & REINSTATEMENT ARE TO BE CARRIED OUT AS PER FRA REQUIREMENTS.

No.	REVISION	DATE	BY	CHK	DEPT ENG	HOD
0	ORIGINAL ISSUE FOR SR06.15A-10	03.09.25	PS	BP	RK	AA



DRAWN	PRIYA	03.09.25
CHECKED	[Signature]	22.09.25
GIS COORDINATOR	[Signature]	20/9/25
TEAM LEADER DESIGN & PLANNING	[Signature]	23.09.25
ENGINEER	[Signature]	29/09/25
HEAD OF DEPARTMENT	[Signature]	2/10/25

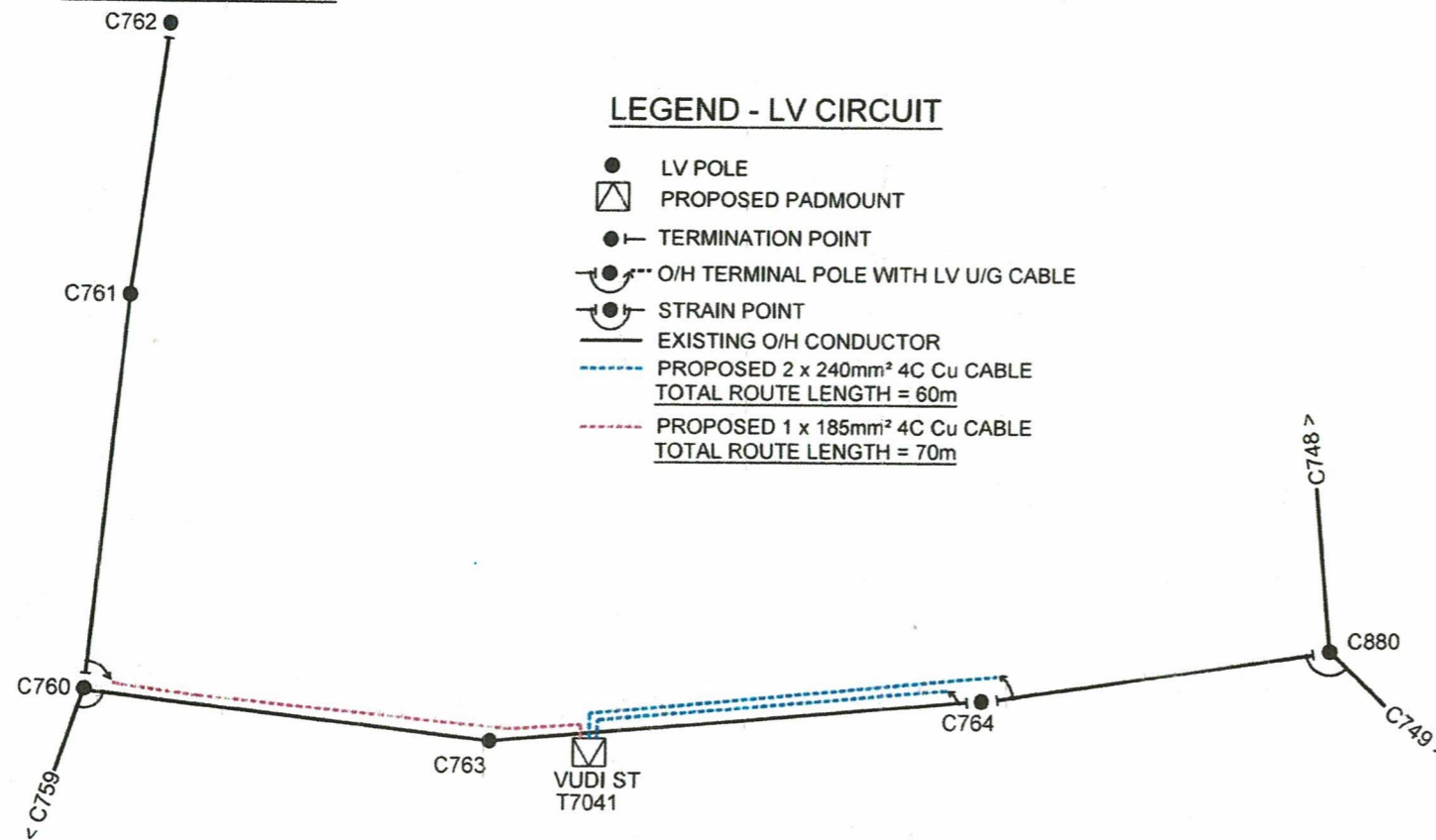
SHEET 1 OF 3

ENERGY FIJI LIMITED

**UPGRADING OF 6.6kV TO 11kV GRID
VUDI ST P/M T7041, DAMODAR FEEDER
SUVA DISTRICT (SR06.15A-10)**

DRAWING NUMBER			
A3	09	N48	486
SCALE 1 : 1000			

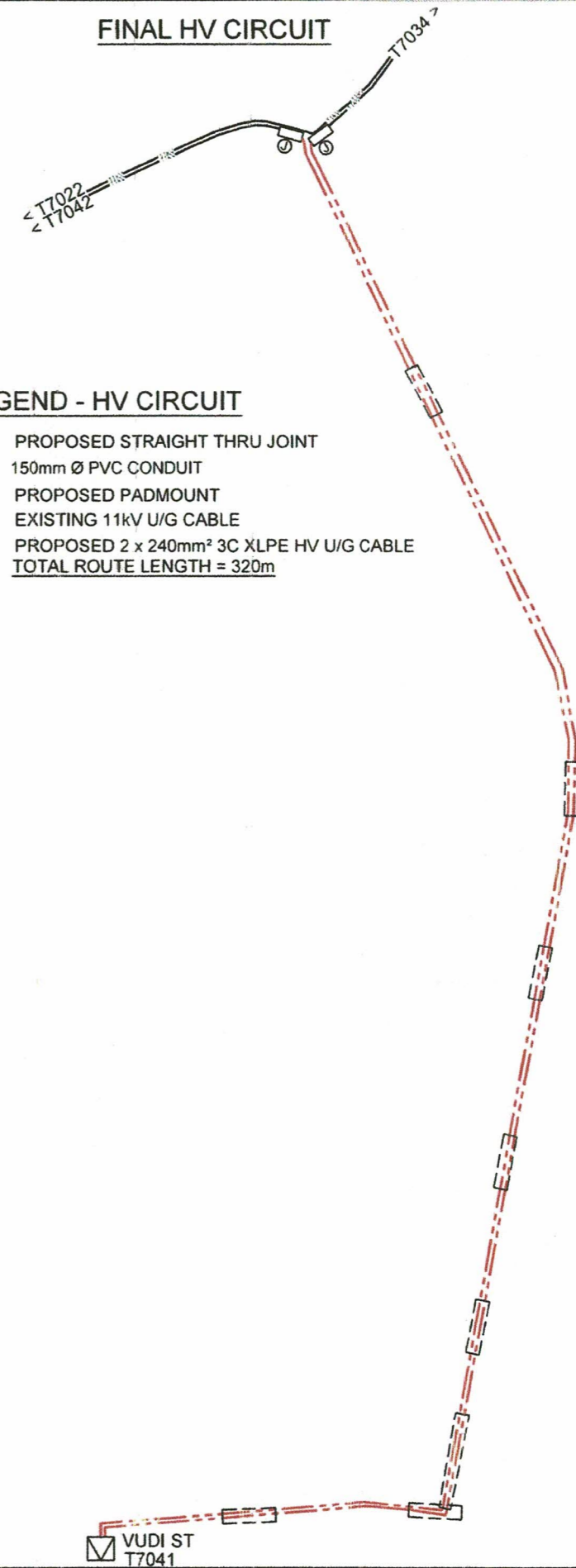
FINAL LV CIRCUIT



LEGEND - LV CIRCUIT

- LV POLE
- ▢ PROPOSED PADMOUNT
- TERMINATION POINT
- O/H TERMINAL POLE WITH LV U/G CABLE
- STRAIN POINT
- EXISTING O/H CONDUCTOR
- - - PROPOSED 2 x 240mm² 4C Cu CABLE
TOTAL ROUTE LENGTH = 60m
- - - PROPOSED 1 x 185mm² 4C Cu CABLE
TOTAL ROUTE LENGTH = 70m

FINAL HV CIRCUIT



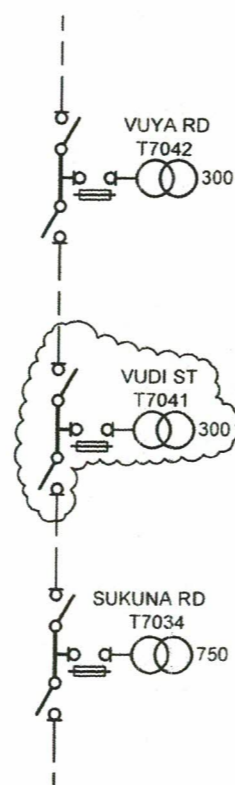
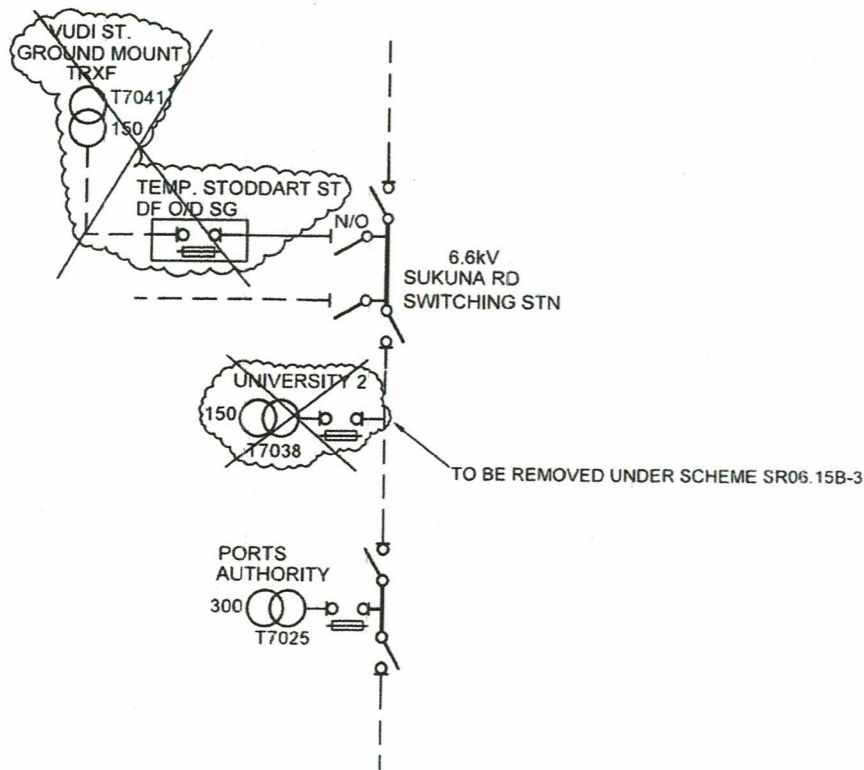
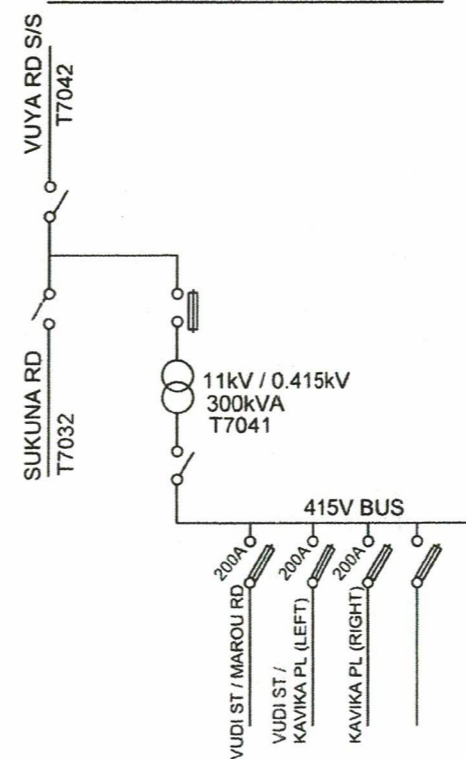
LEGEND - HV CIRCUIT

- PROPOSED STRAIGHT THRU JOINT
- ▢ 150mm Ø PVC CONDUIT
- ▢ PROPOSED PADMOUNT
- - - EXISTING 11kV U/G CABLE
- - - PROPOSED 2 x 240mm² 3C XLPE HV U/G CABLE
TOTAL ROUTE LENGTH = 320m

FINAL SINGLE LINE DIAGRAM (6.6kV)
REF SLD NO. 05 N10 001

FINAL SINGLE LINE DIAGRAM (11kV)
REF. DRWG 04 N10 006

LV DISTRIBUTION BOARD



ENERGY FIJI LIMITED

UPGRADING OF 6.6kV TO 11kV GRID
VUDI ST P/M T7041, DAMODAR FEEDER
SUVA DISTRICT (SR06.15A-10)

DRAWING NUMBER

A3 09 N48 486

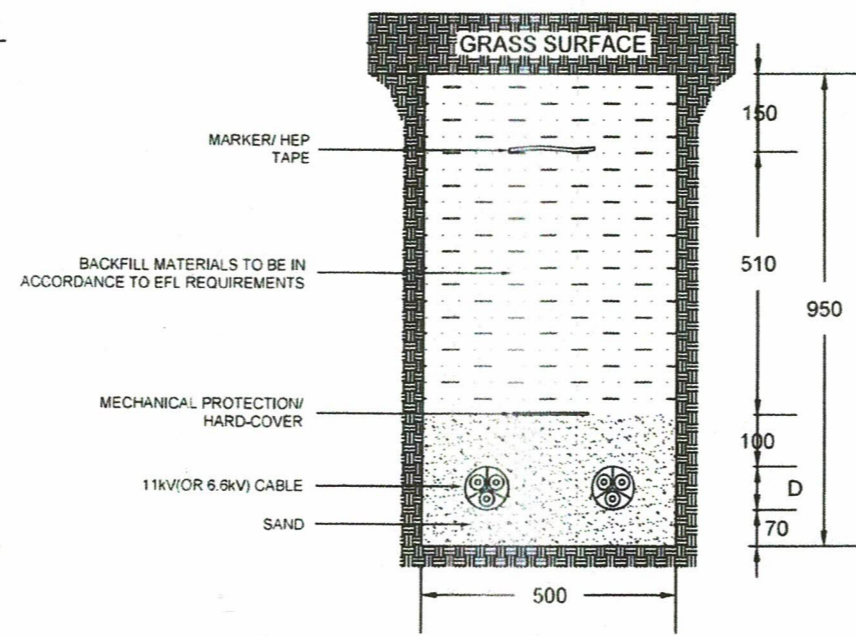
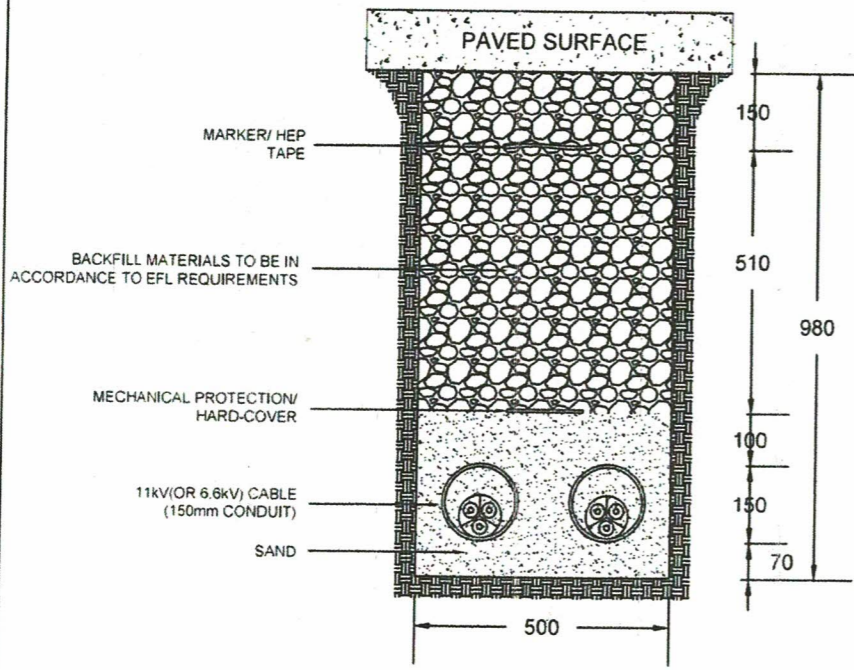
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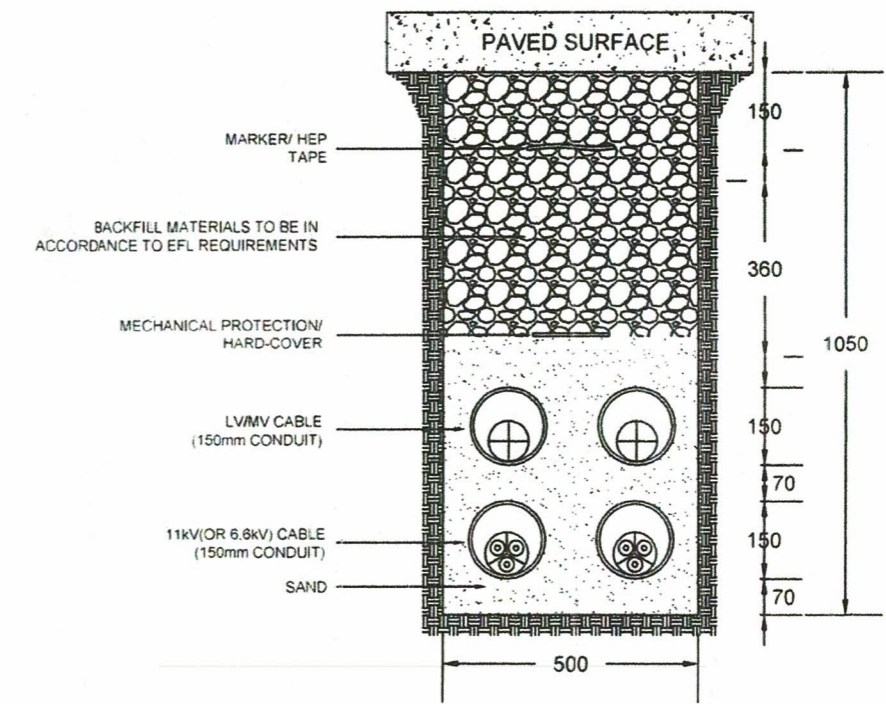
DRAWN	PRIYA	03.09.25
CHECKED	<i>[Signature]</i>	22.09.25
GIS COORDINATOR	<i>[Signature]</i>	20/09/25
TEAM LEADER DESIGN & PLANNING	<i>[Signature]</i>	23.09.25
ENGINEER	<i>[Signature]</i>	29/09/25
HEAD OF DEPARTMENT	<i>[Signature]</i>	21/10/25

No.	REVISION	DATE	BY	CHK	DEPT ENG	HOD
0	ORIGINAL ISSUE FOR SR06.15A-10	03.09.25	PS	RW	RK	<i>[Signature]</i>

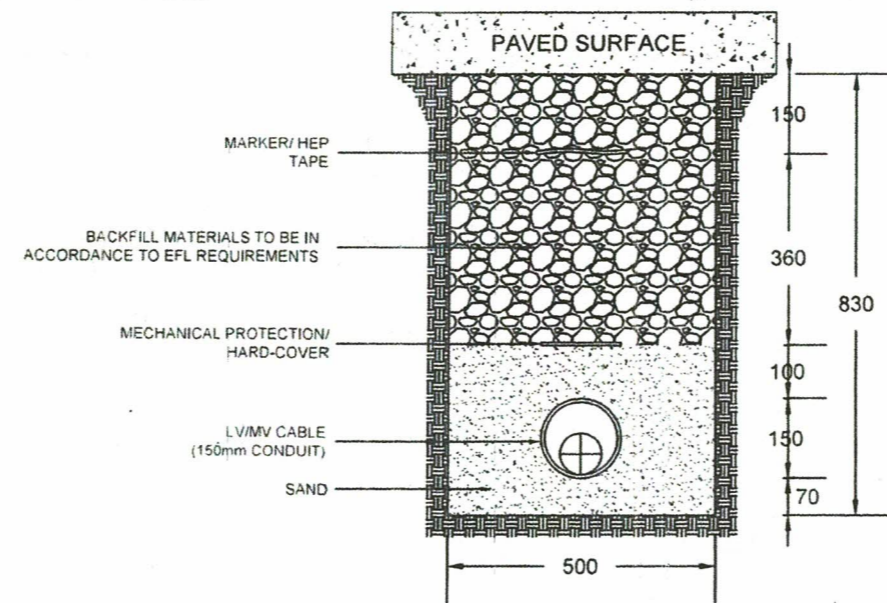
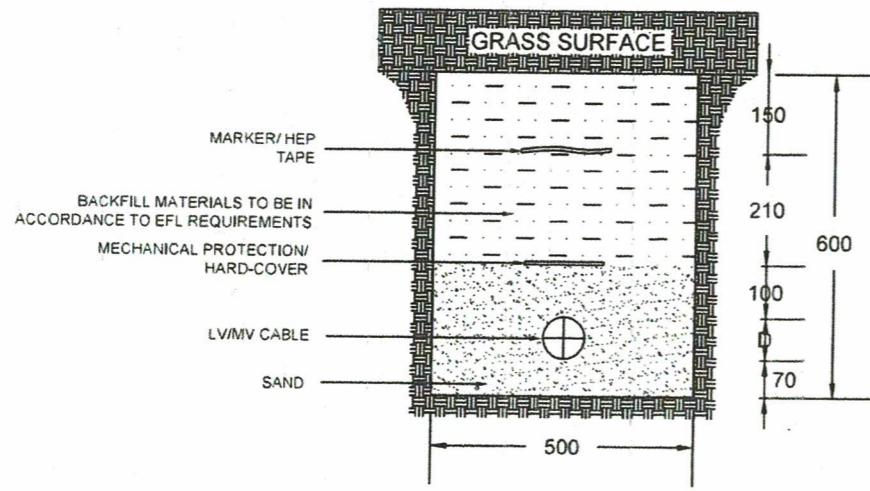
11kV TRENCH



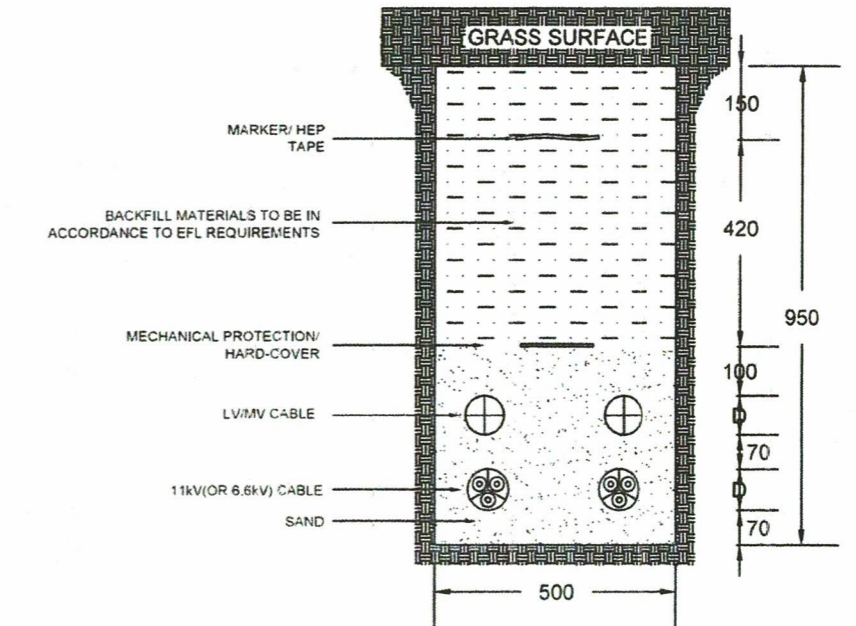
11kV + LV/MV TRENCH



LV/MV TRENCH



11kV + LV/MV TRENCH



No.	REVISION	DATE	BY	CHK	DEPT ENG	HOD
0	ORIGINAL ISSUE FOR SR06.15A-10	03.09.25	PS	RVP	RK	[Signature]



DRAWN	PRIYA	03.09.25
CHECKED	[Signature]	22.09.25
GIS COORDINATOR	[Signature]	30/9/25
TEAM LEADER DESIGN & PLANNING	[Signature]	23.09.25
ENGINEER	[Signature]	29/09/25
HEAD OF DEPARTMENT	[Signature]	2/10/25

ENERGY FIJI LIMITED

UPGRADING OF 6.6kV TO 11kV GRID
VUDI ST P/M T7041, DAMODAR FEEDER
SUVA DISTRICT (SR06.15A-10)

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