

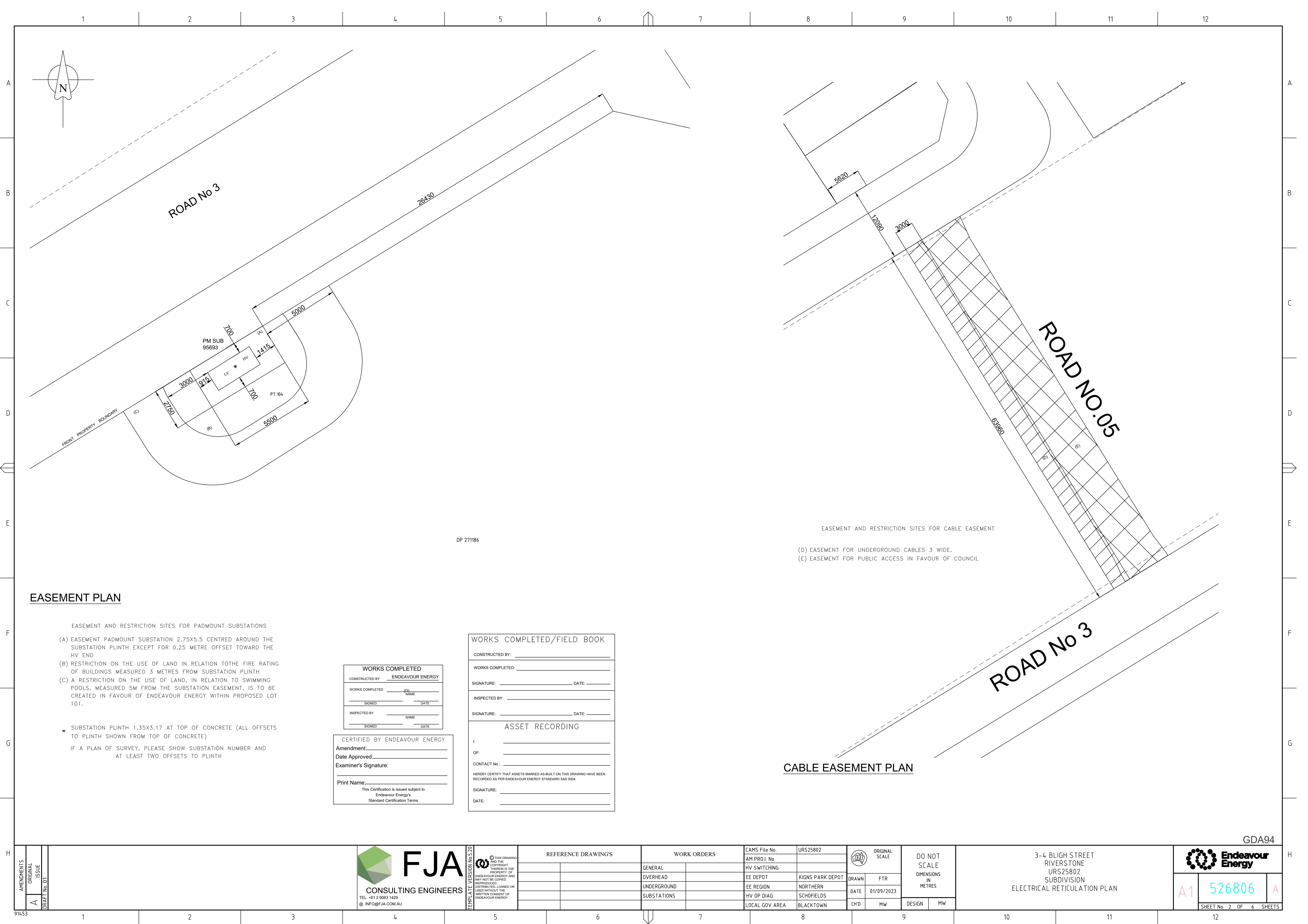
Cadastre: © Land and Property Information 2016																			
AMENDMENTS	ORIGINAL	DRAFT No. 01	FJA CONSULTING ENGINEERS TEL +61 2 9063 1420 @ INFO@FJA.COM.AU	FJA CONSULTING ENGINEERS TEL +61 2 9063 1420 @ INFO@FJA.COM.AU	THIS DRAWING AND THE COPYRIGHT HEREIN IS THE PROPERTY OF ENDEAVOUR ENERGY AND MAY NOT BE COPIED, REPRODUCED, DISTRIBUTED, LOANED OR USED WITHOUT THE WRITTEN CONSENT OF ENDEAVOUR ENERGY	REFERENCE DRAWING'S	WORK ORDERS		CAMS File No.	URS25802	ORIGINAL SCALE	DO NOT SCALE DIMENSIONS IN METRES	3-4 BLIGH STREET RIVERSTONE URS25802 SUBDIVISION ELECTRICAL RETICULATION PLAN	Endeavour Energy	A1	526806	A	SHEET No 1 OF 6 SHEETS	
	A						GENERAL	OVERHEAD	UNDERGROUND	SUBSTATIONS									AM PROJ. No.

- NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ENDEAVOUR ENERGY NETWORK STANDARDS AND CONNECTION POLICY.
 - ENDEAVOUR ENERGY CONTACT PHONE: 131081
 - DESIGN CERTIFICATION SHALL LAPSE WHERE:

(i) NOTICE OF INTENT HAS NOT BEEN RECEIVED WITHIN SIX (6) MONTHS OF THIS CERTIFICATION, OR

(ii) CONSTRUCTION HAS BEEN INTERRUPTED FOR MORE THAN SIX (6) MONTHS.

WHERE DESIGN CERTIFICATION HAS LAPSED THE DESIGN MUST BE RESUBMITTED FOR CERTIFICATION BY THE ACCREDITED DESIGNER.
 - ATTENTION:
PERMANENT SURVEY MARKS MAY EXIST IN THIS AREA. THESE ARE TO BE LOCATED BY A SURVEYOR PRIOR TO COMMENCEMENT OF WORK.
 - ATTENTION:
ALL SERVICES SEARCHES MUST BE CHECKED BEFORE CONSTRUCTION.
 - WARNING
LIVE ENDEAVOUR ENERGY CABLES & OTHER SERVICES IN THIS AREA. PLEASE CONTACT DIAL BEFORE YOU DIG ON TELEPHONE: 1100 FOR SEARCHES TWO DAYS PRIOR TO EXCAVATION.
 - ATTENTION:
SERVICE PROVIDER TO NOTIFY ENDEAVOUR ENERGY'S ASSET DATA CUSTOMER DEPT DAILY WHEN CABLE WORKS IS IN PROGRESS. PHONE: 9853 4161 OR 131081
 - OPERATIONAL LIMITS
UNLESS APPROVED OTHERWISE, INTERRUPTION TO ANY CUSTOMER'S SUPPLY MUST BE AVOIDED. THE FOLLOWING ALTERNATIVES SHOULD BE CONSIDERED
 - MOBILE GENERATORS AND SUBSTATIONS
 - LIVE LINE WORK
 - DESIGN ALTERNATIVES
 - LOW VOLTAGE PARALLELS
 - WORK PRACTICES/STANDARDS.
THE COST IS TO BE FUNDED BY THE CUSTOMER/DEVELOPER
 - AN EASEMENT 5.5m x 2.75m FOR PADMOUNT SUBSTATIONS IS TO BE CREATED IN FAVOUR OF ENDEAVOUR ENERGY WITHIN EXISTING/PROPOSED LOTPT 104. STANDARD PAD SUB EASEMENT DIMENSION TO BE INCREASED TO CAPTURE RETAINING WALL IF REQUIRED.
 - A RESTRICTION ON THE USE OF LAND IN RELATION TO THE FIRE RATING OF BUILDINGS, MEASURED 3 METRES FROM THE SUBSTATION PLINTH, IS TO BE CREATED IN FAVOUR OF ENDEAVOUR ENERGY WITHIN EXISTING/PROPOSED LOTPT 104
 - REIMBURSEMENTS WILL BE PAID TO THE NOMINATED PARTY ON THE LETTER OF INTENT AFTER THE WORKS HAVE BEEN COMPETED AND THE LETTER OF ACCEPTANCE HAS BEEN ISSUED. THE REIMBURSED AMOUNT IS SHOWN IN THE FUNDING ARRANGEMENTS FOR SCOPE OF WORK. ANY DISAGREEMENT WITH THE AMOUNT SHOULD BE RESOLVED WITH ENDEAVOUR ENERGY PRIOR TO THE COMMENCEMENT OF WORKS.
 - AN EARTH CONNECTION WARNING LABEL MUST BE INSTALLED WHERE EARTH CONDUCTOR OR AN EXTENDED EARTH GRID IS TO BE CONNECTED TO LV STREET NEUTRAL TO ACHIEVE AN MEN SYSTEM AS PER SDI 100. REFER TO DRAWING No.010646.
 - HAVE ALL THE EXISTING ASSETS BEEN FIELD CHECKED AND ARE ACCURATE AT THE TIME OF DESIGN? YES
 - A RESTRICTION ON THE USE OF LAND, IN RELATION TO SWIMMING POOLS, MEASURED 5M FROM THE SUBSTATION EASEMENT, IS TO BE CREATED IN FAVOUR OF ENDEAVOUR ENERGY WITHIN PROPOSED LOT PT 104
 - ALL STREET LIGHTING COLUMNS CENTRE TO BE OFFSET 350mm FROM PROPERTY BOUNDARY
 - AN EASEMENT FOR UNDERGROUND CABLES MINIMUM 3m WIDE IS TO BE CREATED IN FAVOUR OF ENDEAVOUR ENERGY WITHIN PROPOSED LOT PT 104.



EASEMENT PLAN

- EASEMENT AND RESTRICTION SITES FOR PADMOUNT SUBSTATIONS
- (A) EASEMENT PADMOUNT SUBSTATION 2.75X5.5 CENTRED AROUND THE SUBSTATION PLINTH EXCEPT FOR 0.25 METRE OFFSET TOWARD THE HV END
 - (B) RESTRICTION ON THE USE OF LAND IN RELATION TOTHE FIRE RATING OF BUILDINGS MEASURED 3 METRES FROM SUBSTATION PLINTH
 - (C) A RESTRICTION ON THE USE OF LAND, IN RELATION TO SWIMMING POOLS, MEASURED 5M FROM THE SUBSTATION EASEMENT, IS TO BE CREATED IN FAVOUR OF ENDEAVOUR ENERGY WITHIN PROPOSED LOT 101.

* SUBSTATION PLINTH 1.35X3.17 AT TOP OF CONCRETE (ALL OFFSETS TO PLINTH SHOWN FROM TOP OF CONCRETE)
IF A PLAN OF SURVEY, PLEASE SHOW SUBSTATION NUMBER AND AT LEAST TWO OFFSETS TO PLINTH

WORKS COMPLETED

CONSTRUCTED BY ENDEAVOUR ENERGY

WORKS COMPLETED (D) NAME SIGNED DATE

INSPECTED BY NAME SIGNED DATE

CERTIFIED BY ENDEAVOUR ENERGY

Amendment:

Date Approved:

Examiner's Signature:

Print Name:

This Certification is issued subject to Endeavour Energy's Standard Certification Terms

WORKS COMPLETED/FIELD BOOK

CONSTRUCTED BY:

WORKS COMPLETED:

SIGNATURE: DATE:

INSPECTED BY:

SIGNATURE: DATE:

ASSET RECORDING

I:

OF:

CONTACT No.:

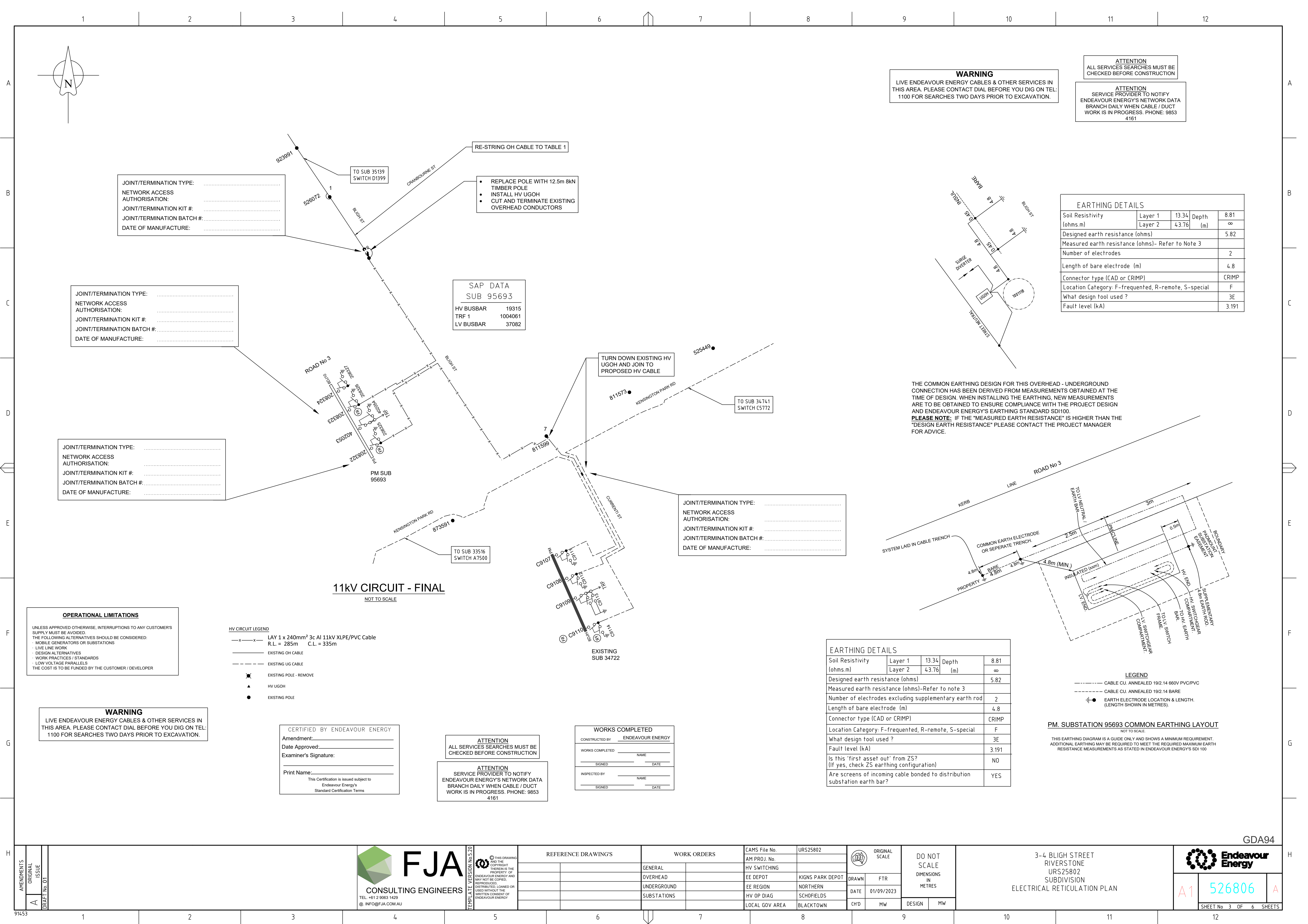
HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD SAD 0004.

SIGNATURE:

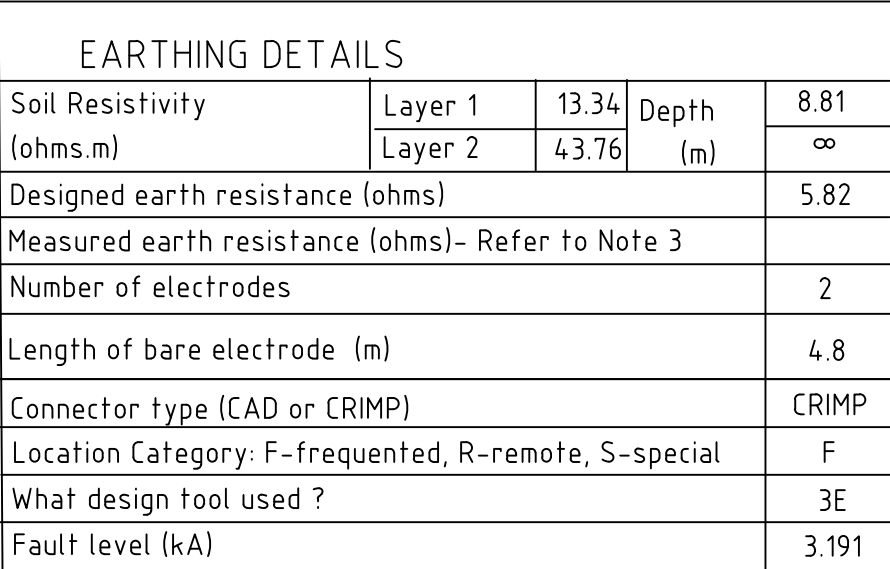
DATE:

CABLE EASEMENT PLAN

- EASEMENT AND RESTRICTION SITES FOR CABLE EASEMENT
- (D) EASEMENT FOR UNDERGROUND CABLES 3 WIDE.
 - (E) EASEMENT FOR PUBLIC ACCESS IN FAVOUR OF COUNCIL

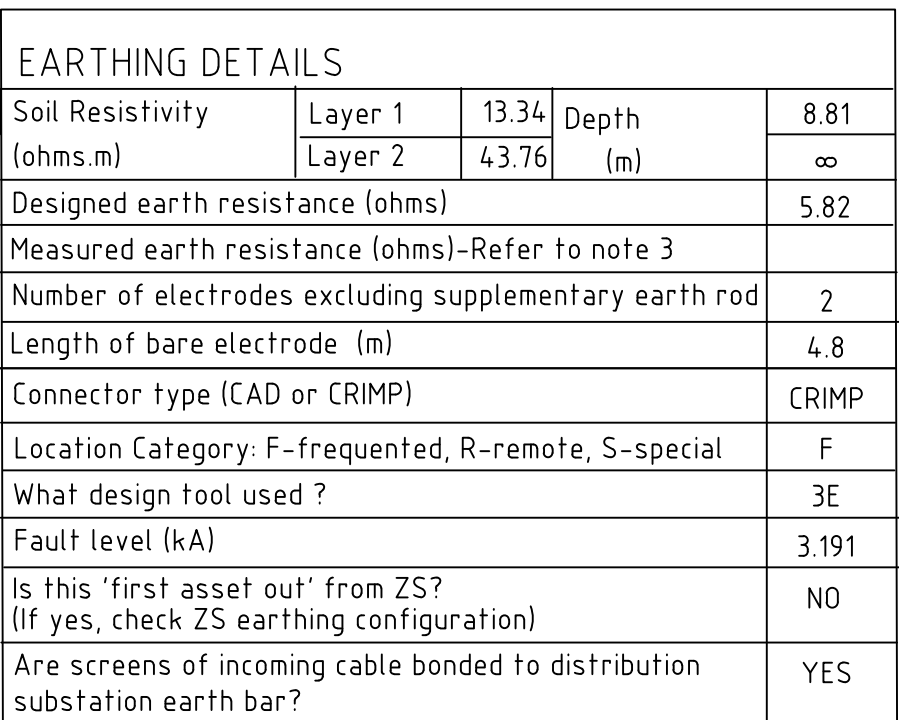


ATTENTION
SERVICE PROVIDER TO NOTIFY
ENDEAVOUR ENERGY'S NETWORK DATA
BRANCH DAILY WHEN CABLE / DUCT
WORK IS IN PROGRESS. PHONE: 9853
4161



THE COMMON EARTHING DESIGN FOR THIS OVERHEAD - UNDERGROUND CONNECTION HAS BEEN DERIVED FROM MEASUREMENTS OBTAINED AT THE TIME OF DESIGN. WHEN INSTALLING THE EARTHING, NEW MEASUREMENTS ARE TO BE OBTAINED TO ENSURE COMPLIANCE WITH THE PROJECT DESIGN AND ENDEAVOUR ENERGY'S EARTHING STANDARD SD1100.


PLEASE NOTE: IF THE "MEASURED EARTH RESISTANCE" IS HIGHER THAN THE "DESIGN EARTH RESISTANCE" PLEASE CONTACT THE PROJECT MANAGER FOR ADVICE.



LEGEND

----- CABLE CU. ANNEALED 19/2.14 660V PVC/PVC

----- CABLE CU. ANNEALED 19/2.14 BARE

 EARTH ELECTRODE LOCATION & LENGTH.
(LENGTH SHOWN IN METRES).

PM. SUBSTATION 95693 COMMON EARTHING LAYOUT

NOT TO SCALE.

THIS EARTHING DIAGRAM IS A GUIDE ONLY AND SHOWS A MINIMUM REQUIREMENT. ADDITIONAL EARTHING MAY BE REQUIRED TO MEET THE REQUIRED MAXIMUM EARTH RESISTANCE MEASUREMENTS AS STATED IN ENDEAVOUR ENERGY'S SDI 100

JOINT/TERMINATION TYPE:

NETWORK ACCESS
AUTHORISATION:

JOINT/TERMINATION KIT #:

JOINT/TERMINATION BATCH #:

DATE OF MANUFACTURE:

OPERATIONAL LIMITATIONS

UNLESS APPROVED OTHERWISE, INTERRUPTIONS TO ANY CUSTOMER'S SUPPLY MUST BE AVOIDED.

THE FOLLOWING ALTERNATIVES SHOULD BE CONSIDERED:

- MOBILE GENERATORS OR SUBSTATIONS
- LIVE LINE WORK
- DESIGN ALTERNATIVES
- WORK PRACTICES / STANDARDS
- LOW VOLTAGE PARALLELS

THE COST IS TO BE FUNDED BY THE CUSTOMER / DEVELOPER

WARNING
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THIS AREA. PLEASE CONTACT DIAL BEFORE YOU DIG ON TEL:
1100 FOR SEARCHES TWO DAYS PRIOR TO EXCAVATION.

<p align="center">CERTIFIED BY ENDEAVOUR ENERGY</p> <p>Amendment: _____</p> <p>Date Approved: _____</p> <p>Examiner's Signature: _____</p> <p>Print Name: _____</p> <p align="center">This Certification is issued subject to Endeavour Energy's Standard Certification Terms</p>	
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ATTENTION
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ATTENTION
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BRANCH DAILY WHEN CABLE / DUCT
WORK IS IN PROGRESS. PHONE: 9853
4161

WORKS COMPLETED	
CONSTRUCTED BY	ENDEAVOUR ENERGY
WORKS COMPLETED _____	
NAME _____	
SIGNED _____	DATE _____
INSPECTED BY _____	
NAME _____	
SIGNED _____	DATE _____

HV CIRCUIT LEGEND

—x—x—	LAY 1 x 240mm ² 3c Al 11kV XLPE/PVC Cable
————	R.L. = 285m C.L. = 335m
————	EXISTING OH CABLE
- - - - -	EXISTING UG CABLE
⊗	EXISTING POLE - REMOVE
▲	HV UG OH
●	EXISTING POLE

11kV CIRCUIT - FINAL

NOT TO SCALE

SAP DATA	
SUB 95693	
<hr/>	
HV BUSBAR	19315
TRF 1	1004061
LV BUSBAR	37082

RE-STRING OH CABLE TO TABLE 1

- REPLACE POLE WITH 12.5m 8kN TIMBER POLE
- INSTALL HV UGOH
- CUT AND TERMINATE EXISTING OVERHEAD CONDUCTORS

TURN DOWN EXISTING HV
UGOH AND JOIN TO
PROPOSED HV CABLE

TO SUB 34741
SWITCH C5772

JOINT/TERMINATION TYPE:

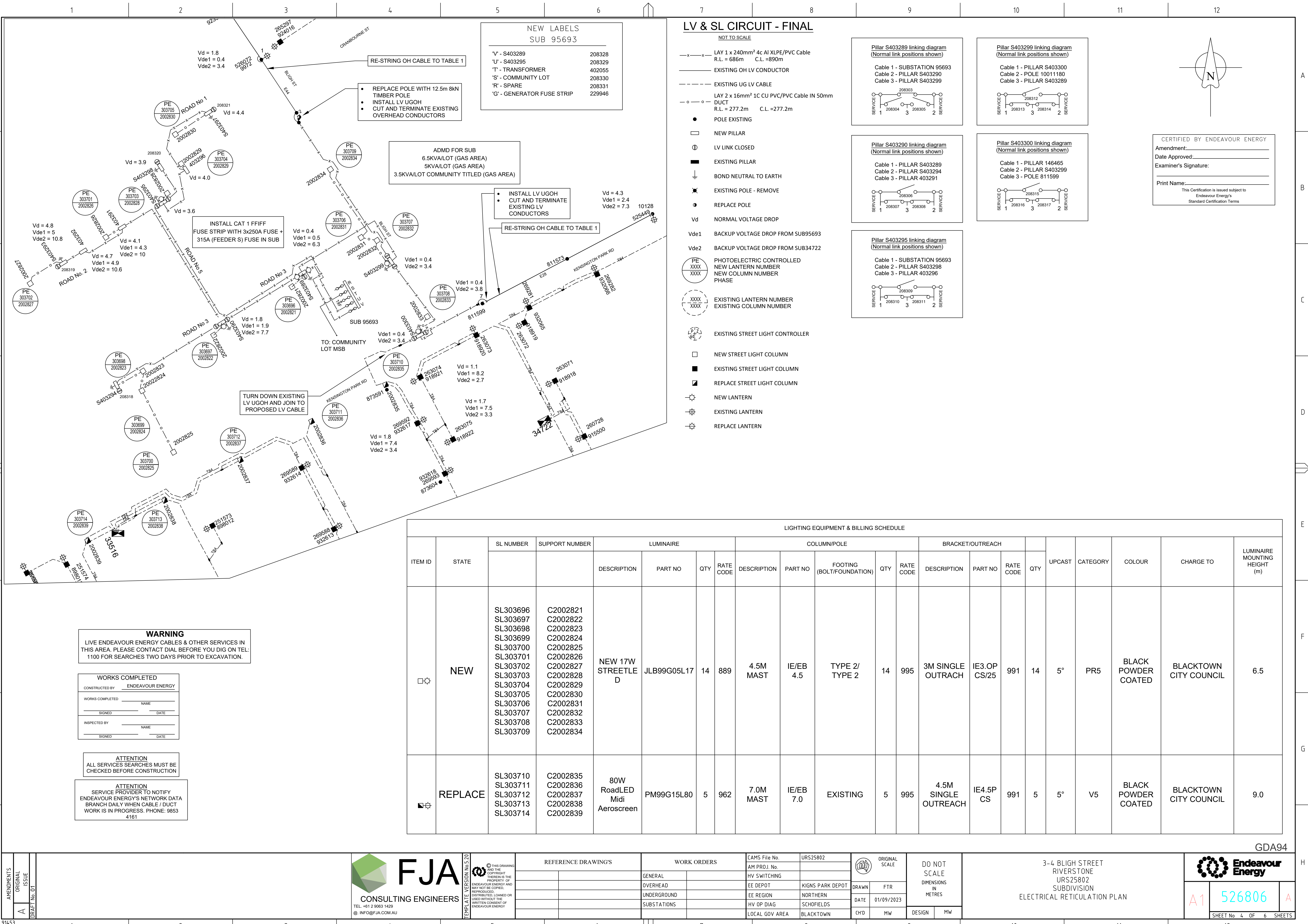
NETWORK ACCESS
AUTHORISATION:

JOINT/TERMINATION KIT #:

JOINT/TERMINATION BATCH #:

DATE OF MANUFACTURE:

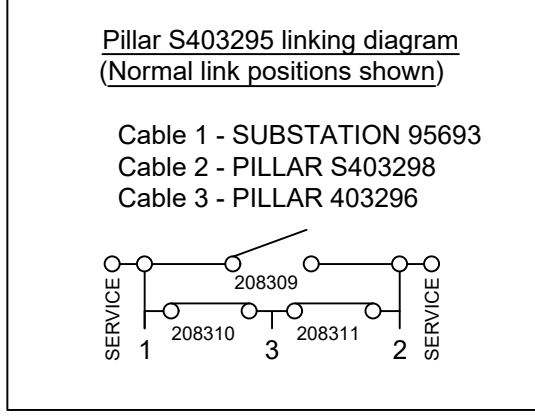
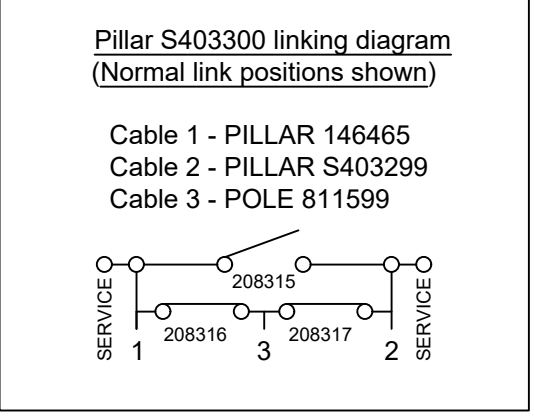
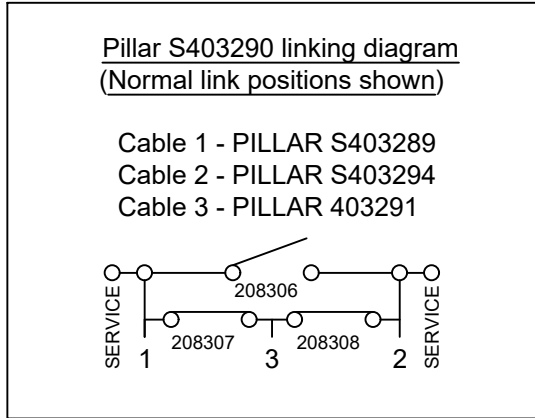
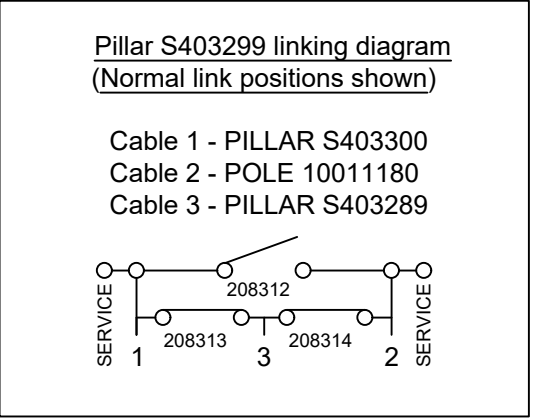
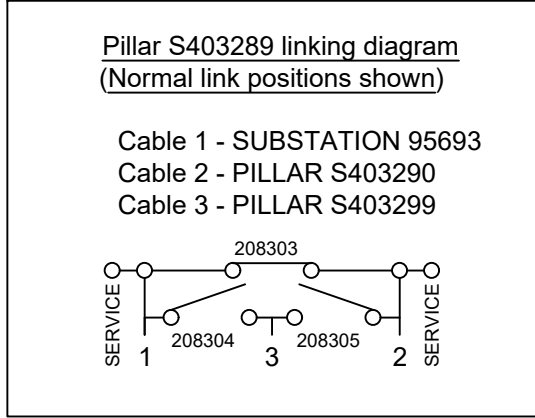
GDA94



NEW LABELS SUB 95693	
'V' - S403289	208328
'U' - S403295	208329
'T' - TRANSFORMER	402055
'S' - COMMUNITY LOT	208330
'R' - SPARE	208331
'G' - GENERATOR FUSE STRIP	229946

LV & SL CIRCUIT - FINAL

- NOT TO SCALE
- LAY 2 x 240mm² 4c Al XLPE/PVC Cable
R.L. = 686m C.L. = 890m
 - EXISTING OH LV CONDUCTOR
 - EXISTING UG LV CABLE
 - LAY 2 x 16mm² 1C CU PVC/PVC Cable IN 50mm DUCT
R.L. = 277.2m C.L. = 277.2m
 - POLE EXISTING
 - NEW PILLAR
 - LV LINK CLOSED
 - EXISTING PILLAR
 - BOND NEUTRAL TO EARTH
 - EXISTING POLE - REMOVE
 - REPLACE POLE
 - NORMAL VOLTAGE DROP
 - BACKUP VOLTAGE DROP FROM SUB95693
 - BACKUP VOLTAGE DROP FROM SUB34722
 - PHOTOELECTRIC CONTROLLED
NEW LANTERN NUMBER
NEW COLUMN NUMBER
PHASE
 - EXISTING LANTERN NUMBER
EXISTING COLUMN NUMBER
 - EXISTING STREET LIGHT CONTROLLER
 - NEW STREET LIGHT COLUMN
 - EXISTING STREET LIGHT COLUMN
 - REPLACE STREET LIGHT COLUMN
 - NEW LANTERN
 - EXISTING LANTERN
 - REPLACE LANTERN



CERTIFIED BY ENDEAVOUR ENERGY

Amendment: _____



Date Approved: _____

Examiner's Signature: _____

Print Name: _____

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Standard Certification Terms

LIGHTING EQUIPMENT & BILLING SCHEDULE

ITEM ID	STATE	SL NUMBER	SUPPORT NUMBER	LUMINAIRE				COLUMN/POLE					BRACKET/OUTREACH					UPCAST	CATEGORY	COLOUR	CHARGE TO	LUMINAIRE MOUNTING HEIGHT (m)
				DESCRIPTION	PART NO	QTY	RATE CODE	DESCRIPTION	PART NO	FOOTING (BOLT/FOUNDATION)	QTY	RATE CODE	DESCRIPTION	PART NO	RATE CODE	QTY						
	NEW	SL303696 SL303697 SL303698 SL303699 SL303700 SL303701 SL303702 SL303703 SL303704 SL303705 SL303706 SL303707 SL303708 SL303709	C2002821 C2002822 C2002823 C2002824 C2002825 C2002826 C2002827 C2002828 C2002829 C2002830 C2002831 C2002832 C2002833 C2002834	NEW 17W STREETLE D	JLB99G05L17	14	889	4.5M MAST	IE/EB 4.5	TYPE 2/ TYPE 2	14	995	3M SINGLE OUTRACH	IE3.OP CS/25	991	14	5°	PR5	BLACK POWDER COATED	BLACKTOWN CITY COUNCIL	6.5	
	REPLACE	SL303710 SL303711 SL303712 SL303713 SL303714	C2002835 C2002836 C2002837 C2002838 C2002839	80W RoadLED Midi Aeroscreen	PM99G15L80	5	962	7.0M MAST	IE/EB 7.0	EXISTING	5	995	4.5M SINGLE OUTREACH	IE4.5P CS	991	5	5°	V5	BLACK POWDER COATED	BLACKTOWN CITY COUNCIL	9.0	

WARNING

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WORKS COMPLETED

CONSTRUCTED BY: ENDEAVOUR ENERGY

WORKS COMPLETED: _____ NAME: _____

SIGNED: _____ DATE: _____

INSPECTED BY: _____ NAME: _____

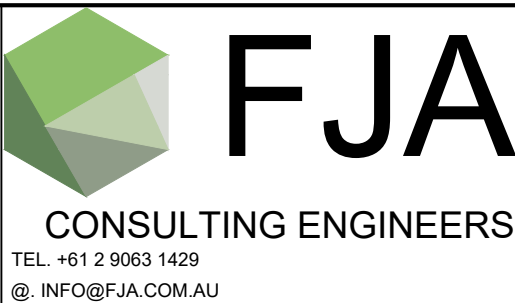
SIGNED: _____ DATE: _____

ATTENTION

ALL SERVICES SEARCHES MUST BE CHECKED BEFORE CONSTRUCTION

ATTENTION

SERVICE PROVIDER TO NOTIFY ENDEAVOUR ENERGY'S NETWORK DATA BRANCH DAILY WHEN CABLE / DUCT WORK IS IN PROGRESS. PHONE: 9853 4161



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REFERENCE DRAWING'S	
GENERAL	
OVERHEAD	
UNDERGROUND	
SUBSTATIONS	

WORK ORDERS	
AM PROJ. No.	
HV SWITCHING	
EE DEPOT	KIGNS PARK DEPOT
EE REGION	NORTHERN
HV OP DIAG	SCHOFIELDS
LOCAL GOV AREA	BLACKTOWN

CAMS File No.	URS25802
AM PROJ. No.	
HV SWITCHING	
EE DEPOT	KIGNS PARK DEPOT
EE REGION	NORTHERN
HV OP DIAG	SCHOFIELDS
LOCAL GOV AREA	BLACKTOWN

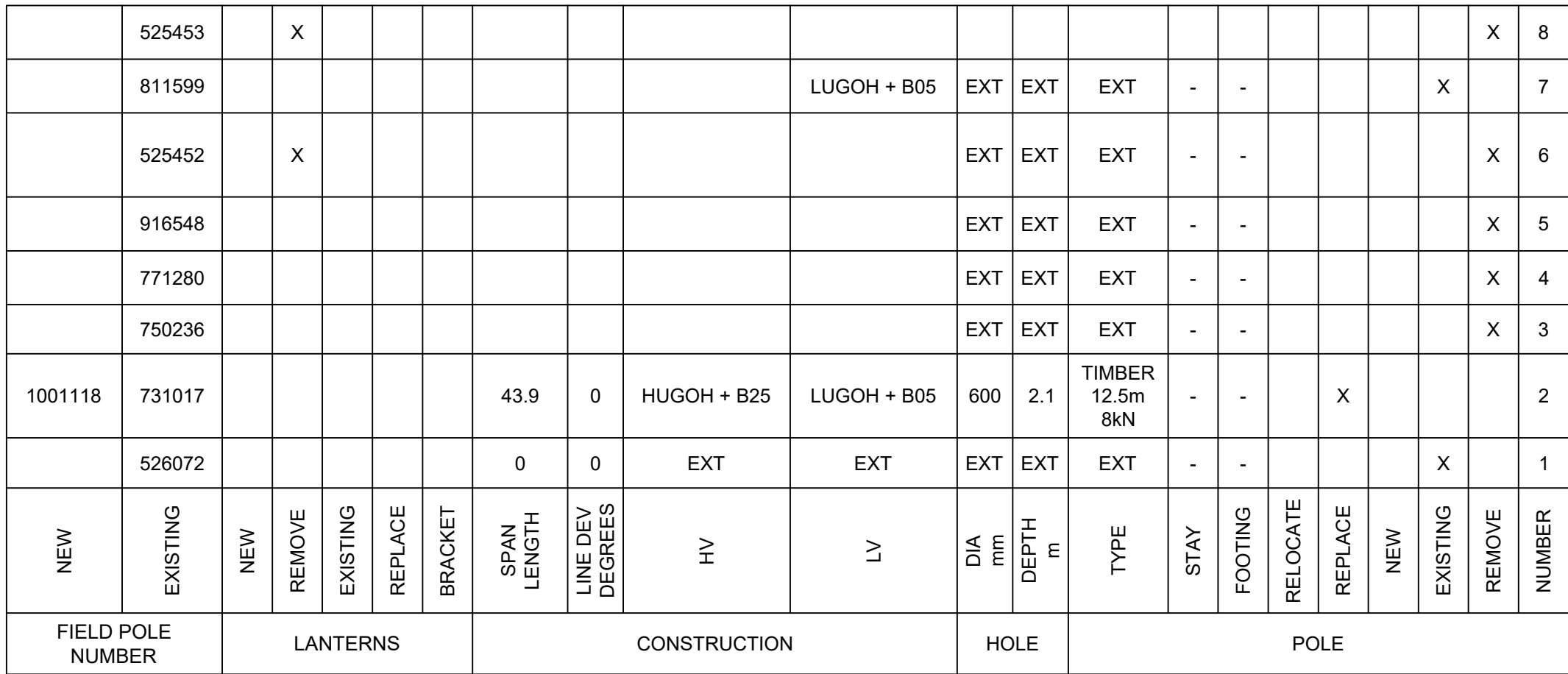
ORIGINAL SCALE	
DRAWN	FTR
DATE	01/09/2023
CH'D	MW

DO NOT SCALE	
DIMENSIONS IN METRES	
DESIGN	MW

3-4 BLIGH STREET
RIVERSTONE
URS25802
SUBDIVISION
ELECTRICAL RETICULATION PLAN

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WORK IS IN PROGRESS. PHONE: 9853
4161



COLD : 5DEG _____
 NORMAL: 15DEG _____
 HOT BARE : 75DEG _____

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<h1 style="margin: 0;">WORKS COMPLETED/FIELD BOOK</h1>	
CONSTRUCTED BY:	_____
WORKS COMPLETED:	_____
SIGNATURE: _____	DATE: _____
INSPECTED BY: _____	_____
SIGNATURE: _____	DATE: _____
<h2 style="margin: 0;">ASSET RECORDING</h2>	
I:	_____
OF:	_____
CONTACT No.:	_____
<p>HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD 340-0004</p>	
SIGNATURE: _____	_____
DATE: _____	_____

Amendment: _____
Date Approved: _____
Examiner's Signature: _____

Print Name: _____

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Endeavour Energy's
Standard Certification Terms