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E info@atl.net.au
ABN 96 130 882 405
www.atl.net.au

8 October 2025

Stockland Fife Kemps Creek

C/- Fife Capital
L12, 89 York Street
Sydney NSW 2000

Your Ref: [SSD10479 / SSD-85510213](#)

Our Ref: LTR050-02-19-609 Lot E Utility
Infrastructure Status

Attention: Development Manager

RE: Infrastructure Provision – Demand for Lot K usage as proposed by SSD-85510213

This letter provides details of the current status of the Utility Infrastructure that will service the 200 Aldington Road Kemps Creek Industrial Estate (the Estate) concept approval via SSD10479, including the development subject to SSD-85510213 on Lot E.

The SSD-85510213 seeks consent for :

- The construction of a warehouse and ancillary offices on Lot E at Kemps Creek Industrial Estate, 200 Aldington Road, Kemps Creek
- The modification 6 (in part) of the approved Concept Master Plan for Kemps Creek Industrial Estate (SSD-10479) in order to accommodate the proposed warehouse and ancillary offices on Lot E.

The daily water/wastewater demand for this facility is estimated below, this is based on a standard warehouse and Sydney Water specified demands.

- 18.194kL water supply (based on 45,484/m² building x 0.4L/m²)
- 17.284kL wastewater discharge (based on 95% of PW demand)

The existing utility infrastructure in the vicinity of the broader estate site is a remnant of when the area was rural residential. Since 2020 the developer has worked with Sydney Water and other utilities providers to increase the capacity of the services to provide for the proposed development.

The utilities required for Lot E are being provided by the developer as a single stage being installed during the construction of the civil infrastructure (roads, stormwater etc.) for SSDA 10479 stage 1. The design allows for the development of all the developable lots within the Estate based on a standard demand (ie. Warehousing and general industrial).

Lot E does not seek or require upgrades to utilities or surrounding roads, beyond those proposed and approved under SSD10479 for the estate or those approved via Part 5 approval via Sydney Water (for water and wastewater lead in infrastructure).

The Estate design provides for all lots to have a connection to the utilities required, below is a list of these utility services and current design and approval status:

1. Potable water, Recycled Water, Wastewater.

Lead in and Estate Potable Water designs have been approved by Sydney Water for:

- Potable water lead in – via a new 300mm water main along Aldington Road from Bakers Lane in the north (CN185885PW). Sydney Water has approved design and construction of this main. Construction commenced in May 2025 and will be completed in conjunction with the Aldington Road upgrade.
- Potable and recycled water reticulation within the Estate (CN186839 and CN189449). Construction of the estate reticulation commenced on 1 November 2024, and is ongoing, following installation of kerb, it will be completed by November 2025.

Wastewater designs have been approved by Sydney Water for:

- Wastewater lead in – via a new 350mm wastewater main connected to the existing sewer network to the north in the Oakdale Estate, which is part of the St Mary's wastewater network (CN186885WW). Sydney Water approved design and construction of this gravity sewer main. Construction commence in May 2025 and is anticipated to be completed by January 2026, with commissioning in February 2026.
- Wastewater reticulation within the Estate (CN186839WW and 189449WW), has been completed, and will become operational on completion of the above lead in service and receipt of S73 certificate.

These services satisfy the requirements of Sydney Water identified in the SEARS request.

2. Electricity Supply

The Estate electrical supply is via the South Eskine Park zone substation to the north via Bakers Lane and Aldington Road under (UIL6424). Construction of the supply is complete. An electrical design for Estate reticulation including street lighting and substations for known demand was approved by Endeavour Energy (UIS1063) and construction was completed in September 2025, and the site made live. Substations for the Lot E demand will be designed and approved as part of the Lot E design and approval process.

3. Telecommunications Infrastructure

The communications designs have been approved for construction including provision for NBN and Telstra services. Construction has commenced and follows the installation of the other services.

4. Stormwater infrastructure

The existing and modified SSD10479 satisfies the requirements of the MRP DCP in relation to integrated stormwater management with provision for future connection to the Sydney Water Regional Stormwater Scheme, when this is available and interim measures until this time.

The changes to stormwater management proposed for Lot E between MOD 5 and MOD 6 are:

- SSD-85510213 Lot E Civil design - stormwater drainage network takes into account proposed lot and building extent, the Sydney Water specified catchment split between the northern and southern catchments (and discharge to basins 28 and 29) is maintained.
- The development of Lot E increases the runoff during the operational phase from previously approved development of SSD10479 stage 1 Estate infrastructure and Lot F, Lot J and Lot K (subject to approval). This increase in stormwater runoff from Lot E requires delivery of the MRP Stormwater scheme Stormwater pond/basin 28 & 29 to ensure the development meets the operational stormwater controls of the MRP DCP.
- Lot E includes SQIDEP approved GPTs at the stormwater discharge locations from the lot.
- These amendments are described in detail in the MOD 6/ SSD-85510213 Stormwater Report included with the development application.

Passively irrigated street trees on public roads have been designed and approved by PCC via the Subdivision Works Certificate for civil infrastructure for the Estate, the installation of the street tree infrastructure and landscaping has commenced in accordance with the approved Landscaping Subdivision Works Certificate (issued by PCC 18 Feb 2025) and will be completed by October 2025.

5. Water Management

The application does not propose any water demand from groundwater only reticulated potable and recycle water will be utilised for the site.

There is no proposal to intercept groundwater. Estate site works including installation of sewer at depth have demonstrated groundwater is highly unlikely to be intercepted during construction of the proposed warehouse on this lot.

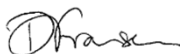
6. Existing easements

The presence of Transgrid easements on the site has been addressed in the design of the estate via SSD10479 and approval from Transgrid subject to standard conditions was received. Mod 6 and SSD-85510213 do not result in changes that impact these easements and the proposal is consistent with existing Transgrid approvals.

Appended is a sketch with the location of the utility lead in services and the estate electrical design.

Should you have any questions, please don't hesitate to contact the undersigned.

Yours sincerely,



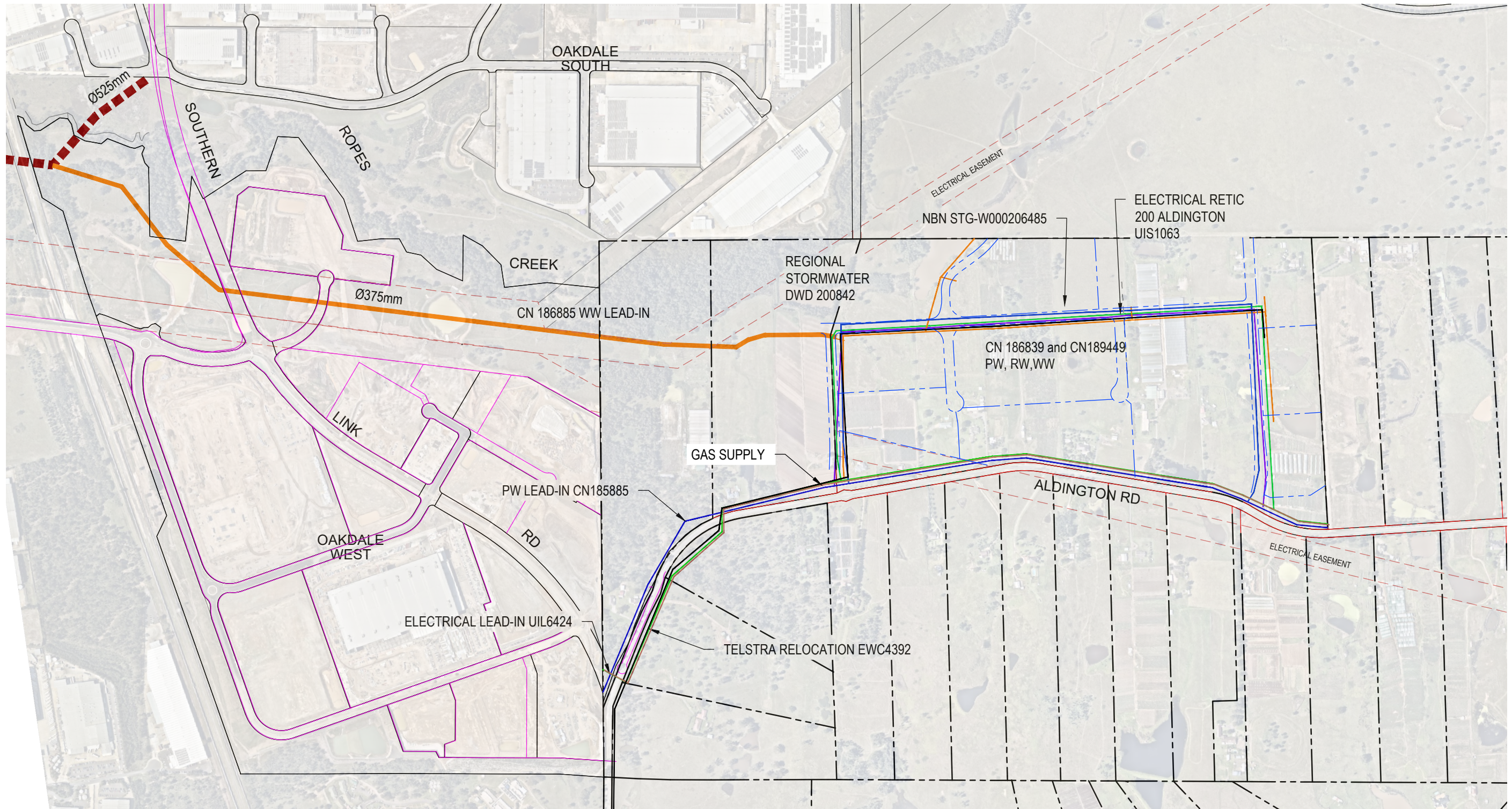
Debbie Fransen
Senior Project Manager
04 268 07259

Encl. 19-609 -SKC229 SFKC Site Servicing [P3]

Electrical Design (as approved)

STOCKLAND FIFE KEMPS CREEK

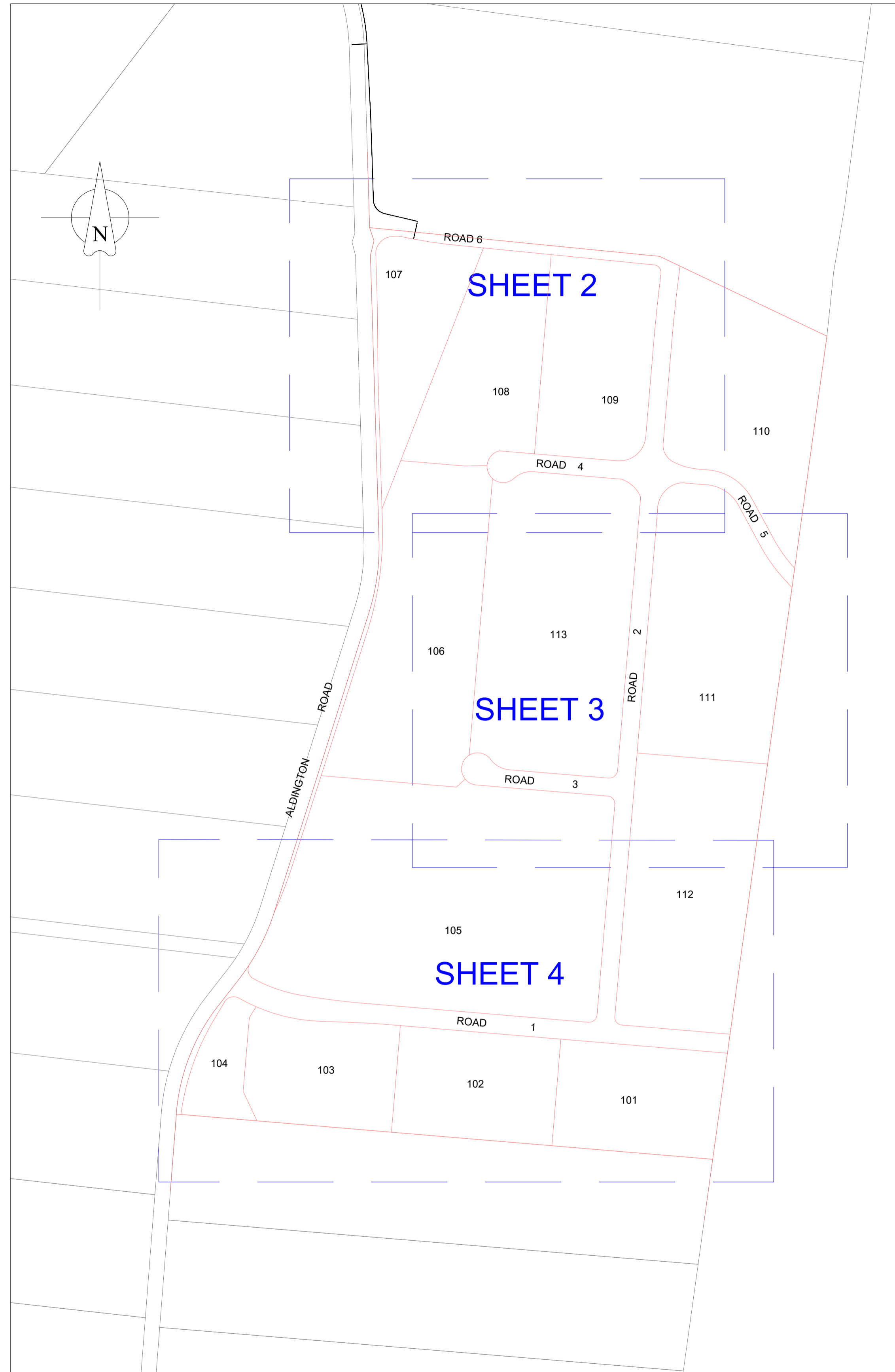
SERVICING STRATEGY
CASE NUMBERS



1 : 10000 @ A3

Status		A3
FOR INFORMATION		
Drawing No.	Project No.	Issue
SKC229	19-609	P3

CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING



DESIGN COMPLIANCE AND INDEMNITY

This design complies with Endeavour Energy's relevant standards as current at this time and as listed on the Endeavour Energy Accredited Service Provider's internet site. These standards include, but not limited to:

- CP: Connections Policy
- EMS: Environmental Management Standard
- MC: Mains Construction Instruction
- MDI: Mains Design Instruction
- PDI: Protections Design Instruction
- SDI: Substation Design Instruction
- SAD 0001: Design Drawing Standard
- MMI: Mains Maintenance Instruction
- SMI: Substation Maintenance Instruction
- LDI 0001: Public Lighting Electrical Design Element

Additionally, where relevant, the design complies with AS/NZS 7000 "Overhead Line Design - Detailed Procedures" published by The Australian Standards.

EDGEWATER CONNECTIONS indemnifies Endeavour Energy for any loss or damage resulting from non-compliance of the design with the above standards.

Signed: **STEPHEN ALLAN** Name: ..STEPHEN ALLAN
Service Provider No. 2508 Date: ..23/09/2024.....

WORKS COMPLETED/FIELD BOOK

CONSTRUCTED BY: _____

WORKS COMPLETED: _____

SIGNATURE: _____ DATE: _____

INSPECTED BY: _____

SIGNATURE: _____ DATE: _____

ASSET RECORDING

I: _____

OF: _____

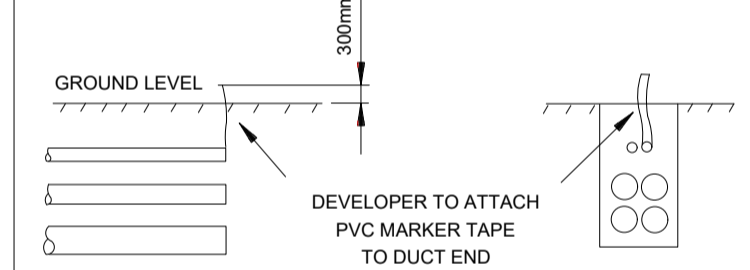
CONTACT No.: _____

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

SIGNATURE: _____

DATE: _____

DUCT END LOCATION DETAIL



THE CERTIFICATION OF THIS DRAWING IS SUPPORTED BY THE FOLLOWING DOCUMENTS

KEY DOCUMENTS TABLE	
DOCUMENT NAME	NOTIFICATION
SUMMARY ENVIRONMENTAL REPORT (SER) - FAT0039 PART OF EMS0003	10/05/2024
AGREEMENT OF ENTRY, GRANT AND CREATION OF EASEMENT - FPJ5013	N/A
EQUIPMENT TO BE RETURNED TO ENDEAVOUR ENERGY - FPJ4252 & FPJ4253	N/A
TELECOMMUNICATION ASSET AGREEMENT (FROM TELSTRA) - FPJ4184	N/A
DESIGNER'S SAFETY REPORT	10/05/2024
ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT	10/05/2024

DUCT DECLARATION

I _____

OF _____

CONTACT NUMBER _____

HEREBY CERTIFY THAT THE DUCTS SHOWN ON THIS DRAWING HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS DRAWING & ENDEAVOUR ENERGY STANDARDS MD0028 & MC0008. THE DUCT DEPTHS AND LOCATIONS AT EACH END HAVE BEEN CORRECTLY MARKED ON THIS DRAWING AS PER ENDEAVOUR ENERGY STANDARD SAD0004.

THE INSTALLATION OF THE DUCTS WAS COMMENCED ON _____

& COMPLETED ON _____

SIGNATURE _____

LAND SURVEYOR REGISTERED UNDER SURVEYING AND SPATIAL INFORMATION ACT 2002

NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ENDEAVOUR ENERGY'S NETWORK STANDARDS AND CONNECTION POLICY.
- ACCREDITED DESIGNER IS TO BE CONTACTED REGARDING ISSUES RAISED WITH THIS DESIGN.
- ENDEAVOUR ENERGY CONTACT PHONE: 131 081
- DESIGN CERTIFICATION SHALL LAPSE WHERE:-
(I) NOTICE OF INTENT HAS NOT BEEN RECEIVED WITHIN (6) SIX MONTHS OF THIS CERTIFICATION.
(II) CONSTRUCTION HAS BEEN INTERRUPTED FOR MORE THAN (6) MONTHS. WHERE DESIGN CERTIFICATION HAS LAPSED THE DESIGN MUST BE RESUBMITTED BY THE ACCREDITED SERVICE PROVIDER FOR RE-CERTIFICATION.
- DEVELOPER SHALL PEG ALL PROPERTY BOUNDARIES INCLUDING ANY EASEMENTS AND ESTABLISH FINAL LEVELS PRIOR TO COMMENCEMENT OF WORKS.
- ATTENTION
TELSTRA & OPTUS TO BE NOTIFIED OF PROPOSED WORK PRIOR TO CONSTRUCTION. TELSTRA & OPTUS UNDERGROUND ASSETS LOCATED IN THE AREA. CONTACTS
TELSTRA NETWORK INTEGRITY HELP DESK: 1800 653 935
OPTUS: 8082 0161
NBN: RELOCATIONWORKS@NBNCO.COM.AU
- ATTENTION
SYDNEY WATER TO BE NOTIFIED OF PROPOSED WORK PRIOR TO CONSTRUCTION. CONTACTS
SYDNEY WATER :(02) 8849 3800
- ATTENTION
PERMANENT SURVEY MARKS MAY EXIST IN THIS AREA. THESE ARE TO BE LOCATED PRIOR TO COMMENCEMENT OF WORK.
- ATTENTION
SERVICE PROVIDER TO NOTIFY ENDEAVOUR ENERGY'S ASSETS DATA CUSTOMER DEPT DAILY WHEN CABLE WORKS IS IN PROGRESS. TELEPHONE 131081.
- WARNING
LIVE ENDEAVOUR ENERGY CABLES AND OTHER SERVICES EXIST IN THIS AREA. PLEASE CONTACT DIAL BEFORE YOU DIG, TEL. 1100 FOR SEARCHES TWO DAYS PRIOR TO EXCAVATION.
- DO NOT PLACE ANY RELIANCE ON ANY QUANTITIES OR DIMENSIONS GIVEN IN THIS DRAWING. QUANTITIES AND DIMENSIONS GIVEN ON THIS DRAWING ARE BASED ON DESIGN INFORMATION AND SITE CONDITIONS AT THE TIME OF DESIGN. AS QUANTITIES AND DIMENSIONS ARE SUBJECT TO CHANGE. THE BUILDER OF THIS PROJECT MUST CHECK ALL QUANTITIES AND DIMENSIONS ON SITE PRIOR TO TENDERING AND/OR CONSTRUCTION.

Siemens 8DJH_Schneider T300 RTU 2 switches	7,784.00
Siemens 8DJH_Schneider T300 RTU 3 switches	8,996.00
Siemens 8DJH_Schneider T300 RTU 4 switches	8,996.00
Siemens 8DJH_Schneider T300 RTU 4 switches	10,482.00
Siemens 8DJH_Schneider T300 RTU 4 switches	10,482.00
RTU bench testing at \$2,000 each	10,000
LV supply panel, Modern, Antenna, Antenna Bracket	12,189.15
Sub total for RTU works in Q (project)	68,929.15
EE capital contribution from AVS	134,944.00
Total capital contribution for certification	203,873.15

AUTHORISATION OF ESTIMATE VALUE OF ENDEAVOUR ENERGY FUNDED ASSETS

Signed: _____

Print Name: **Vasan Naidoo**

Service Number: **26395**

Funding Amount: **203,873.15**

Date: **27/09/2024**

SITE OVERVIEW

NOT TO SCALE

NOTE:

IN THE SHORT TERM, THERE ARE LIMITED SUPPLIES OF 22KV SIEMENS SCADA CONTROLLED SWITCHGEAR. PLEASE CHECK AVAILABILITY WITH SUPPLIERS. IF AUTOMATED UNITS WILL NOT BE AVAILABLE AT PROJECT CONSTRUCTION THEN WE MAY HAVE TO CHANGE THE DESIGN TO MANUALLY OPERATED SWITCHES. IF MANUALLY OPERATED SWITCHES ARE INSTALLED THEN THE PLINTHS MUST BE STEEL PLINTHS TO ALLOW FOR THE FUTURE RETROFIT WITH AUTOMATED SWITCHGEAR.
LV SUPPLY FOR THE FUTURE RETROFITS MUST BE COMPLETED UNDER UIS1063.

Cadastr: © Land and Property Information 2016

AMENDMENTS
ORIGINAL ISSUE
DRAFT No. 01

Electricity and Comms Infrastructure and Building Engineering Consultants
Level 3 ASP #2508
355-7 Inglewood Place
Northwest NSW 2153
PO Box 8114
Northwest NSW 2153
P: +61 2 8914 1269
E: info@edgewaterconnections.com.au
W: www.edgewaterconnections.com.au
Design Ref: 4377

EDGEWATER CONNECTIONS

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TEMPLATE VERSION No.5.20

EDGEWATER CONNECTIONS

REFERENCE DRAWING'S	WORK ORDERS
	GENERAL
	OVERHEAD
	UNDERGROUND
	SUBSTATIONS

CAMS File No.	UIS1063
AM PROJ. No.	
HV SWITCHING	
EE DEPOT	PENRITH DEPOT
EE REGION	NORTHERN
HV OP DIAG	SOUTH ERSKINE PARK
LOCAL GOV AREA	PENRITH

ORIGINAL SCALE AS SHOWN	DO NOT SCALE DIMENSIONS IN METRES
DATE	23/09/2024
CH'D	J.J.
DESIGN	M.S.

106-228 ALDINGTON ROAD
KEMPS CREEK
ENDEAVOUR ENERGY NO: UIS1063
INDUSTRIAL SUBDIVISION
LOT 200 DP1285691
ELECTRICAL RETICULATION

Endeavour Energy

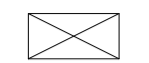











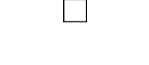


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SHEET No 1 OF 11 SHEETS

1 2 3 4 5 6 7 8 9 10 11 12

CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING

LEGEND

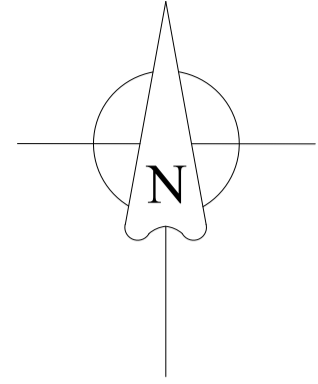
-  NEW SUBSTATION LOCATION
-  EXISTING POLE SUBSTATION LOCATION
-  EXISTING SWITCHING STATION LOCATION
-  EXISTING PADMOUNT SUBSTATION
-  EXISTING DUCTS
-  EXISTING OVERHEAD CONDUCTOR
-  HIGH VOLTAGE TRENCHING
-  INSTALL DUCTS
-  EXISTING POLE LOCATION
-  NEW PILLAR LOCATION
-  NEW COLUMN LOCATION
-  EXISTING SL LANTERN
-  NEW STREET LIGHT LANTERN
-  UGOH CONNECTION
-  AIR BREAK SWITCH OPEN

NOTE:

- THIS PROJECT AND UIS0929 IS ASSOCIATED WITH OTHER PROJECT (UIL6424) AND CANNOT BE COMPLETED UNTIL PROJECT UIL6424 IS CONSTRUCTED AND ENERGISED.
- REFER TO ABOVE UIL6424 PROJECT FOR CLARITY OF EXISTING OR FUTURE ASSETS.

NOTE:

ALL SL COLUMNS ARE TO BE INSTALLED 350mm FROM THE FRONT PROPERTY BOUNDARIES AND 500mm SEPARATION DISTANCE FROM ADJACENT LV PILLAR UNLESS SHOWN OTHERWISE.



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: _____

CERTIFIED BY ENDEAVOUR ENERGY

Amendment: **A**

Date Approved: **27/09/2024**

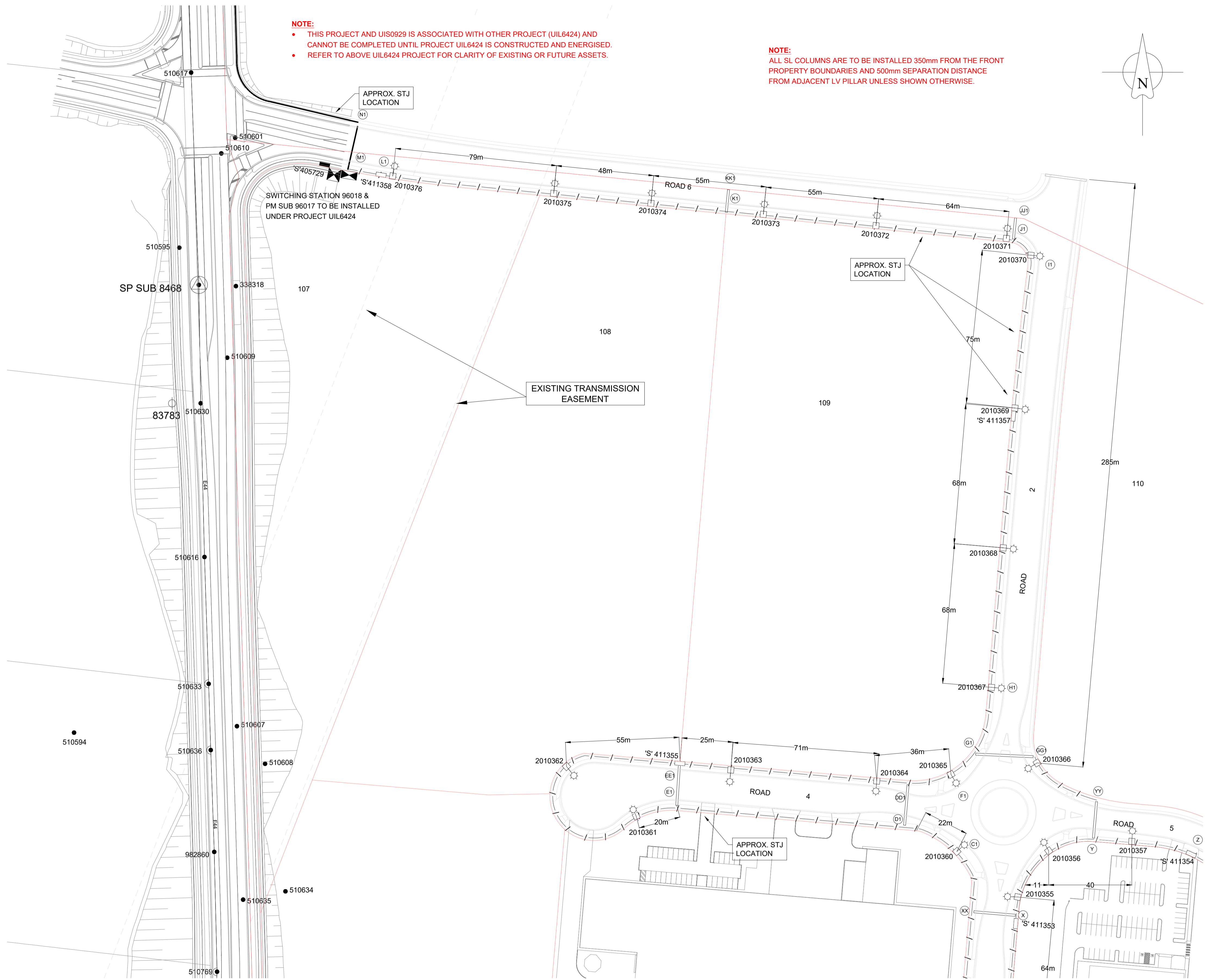
Examiner's Signature: *Vasan Naidoo*

Print Name: **Vasan Naidoo**






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

BIOSIS WAS ENGAGED BY STOCKLAND ON BEHALF OF FIFE KEMPS CREEK PTY LTD TO ASSESS AND PRODUCT A HERITAGE IMPACT STATEMENT FOR PROPOSED WORKS AT KEMPS CREEK SITE. SHOULD ANY ABORIGINAL OBJECTS BE ENCOUNTERED ON THE WORK SITE, WORKS MUST CEASE IN THE VICINITY OF THE FIND AND ADVICE SHOULD BE SOUGHT FROM AN ENVIRONMENTAL SPECIALIST IMMEDIATELY, A QUALIFIED ARCHAEOLOGIST MAY ALSO REQUIRED TO ASSESS THE FIND.

LEVEL 1 ASP HAS THE RESPONSIBILITY OF LIAISING WITH THE DEVELOPER TO ENSURE THAT THE CONDITIONS OF THE ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT ARE ALWAYS ADHERED TO. ALL PROPOSED ELECTRICAL WORKS SHALL BE CONTAINED TO THE ELECTRICAL WORK AREA AND THAT PHYSICAL BARRIERS WILL BE INSTALLED AROUND ANY NEARBY WALL / STRUCTURE / TREES TO ENSURE THEIR PROTECTION DURING THE WORKS AS REQUIRED.












CONTINUE ON SHEET 3

AMENDMENTS	ORIGINAL	ISSUE	DRAFT No. 01	A	1	2	3	4	5	6	7	8	9	10	11	12	H																																																																																												
	101805																																																																																																												
					<p style="font-size: 8px;">Cadastre: © Land and Property Information 2016</p>					<p style="font-size: 8px;">Electricity and Comms Infrastructure and Building Engineering Consultants Level 3 ASP #2508 355-7 Inglewood Place Northwest NSW 2153 PO Box 8114 Northwest NSW 2153 P: +61 2 8914 1289 E: info@edgewaterconnections.com.au W: www.edgewaterconnections.com.au Design Ref: 4377</p>										<p style="font-size: 8px;">© THIS DRAWING AND THE COPYRIGHT THEREIN IS THE PROPERTY OF ENDEAVOUR ENERGY AND MAY NOT BE COPIED, REPRODUCED, DISTRIBUTED, LOANED OR USED WITHOUT THE WRITTEN CONSENT OF ENDEAVOUR ENERGY</p>					<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th colspan="2">REFERENCE DRAWING'S</th> <th colspan="2">WORK ORDERS</th> <td>CAMS File No.</td> <td>UIS1063</td> <td rowspan="2" style="text-align: center;"></td> <td rowspan="2">ORIGINAL SCALE AS SHOWN</td> <td colspan="2">DO NOT SCALE DIMENSIONS IN METRES</td> </tr> <tr> <td> </td><td> </td><td> </td><td> </td> <td>AM PROJ. No.</td> <td> </td> <td>DRAWN</td> <td>M.S.</td> <td colspan="2">GDA2020/ MGA56 COORDINATE SYSTEM</td> </tr> <tr> <td> </td><td> </td><td> </td><td> </td> <td>HV SWITCHING</td> <td> </td> <td>DATE</td> <td>23/09/2024</td> <td>DESIGN</td> <td>M.S.</td> </tr> <tr> <td> </td><td> </td><td> </td><td> </td> <td>EE DEPOT</td> <td>PENRITH DEPOT</td> <td>CH'D</td> <td>J.J.</td> <td> </td><td> </td> </tr> <tr> <td> </td><td> </td><td> </td><td> </td> <td>EE REGION</td> <td>NORTHERN</td> <td> </td><td> </td><td> </td><td> </td> </tr> <tr> <td> </td><td> </td><td> </td><td> </td> <td>HV OP DIAG</td> <td>SOUTH ERSKINE PARK</td> <td> </td><td> </td><td> </td><td> </td> </tr> <tr> <td> </td><td> </td><td> </td><td> </td> <td>LOCAL GOV AREA</td> <td>PENRITH</td> <td> </td><td> </td><td> </td><td> </td> </tr> </table>					REFERENCE DRAWING'S		WORK ORDERS		CAMS File No.	UIS1063		ORIGINAL SCALE AS SHOWN	DO NOT SCALE DIMENSIONS IN METRES						AM PROJ. No.		DRAWN	M.S.	GDA2020/ MGA56 COORDINATE SYSTEM						HV SWITCHING		DATE	23/09/2024	DESIGN	M.S.					EE DEPOT	PENRITH DEPOT	CH'D	J.J.							EE REGION	NORTHERN									HV OP DIAG	SOUTH ERSKINE PARK									LOCAL GOV AREA	PENRITH					<p style="font-size: 8px;">106-228 ALDINGTON ROAD KEMPS CREEK ENDEAVOUR ENERGY NO: UIS1063 INDUSTRIAL SUBDIVISION LOT 200 DP1285691 ELECTRICAL RETICULATION</p>									
REFERENCE DRAWING'S		WORK ORDERS		CAMS File No.	UIS1063		ORIGINAL SCALE AS SHOWN	DO NOT SCALE DIMENSIONS IN METRES																																																																																																					
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					SHEET No 2 OF 11 SHEETS																																																																																																								

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CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING

LEGEND

-  NEW SUBSTATION LOCATION
-  EXISTING POLE SUBSTATION LOCATION
-  NEW SWITCHING STATION
-  HIGH VOLTAGE TRENCHING
-  INSTALL DUCTS
-  NEW PILLAR LOCATION
-  NEW COLUMN LOCATION
-  EXISTING SL LANTERN
-  NEW STREET LIGHT LANTERN
-  LV ISOLATION SWITCH OPEN

WORKS COMPLETED/FIELD BOOK

CONSTRUCTED BY: _____

WORKS COMPLETED: _____

SIGNATURE: _____ DATE: _____

INSPECTED BY: _____

SIGNATURE: _____ DATE: _____

ASSET RECORDING

to: _____

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: _____

CERTIFIED BY ENDEAVOUR ENERGY

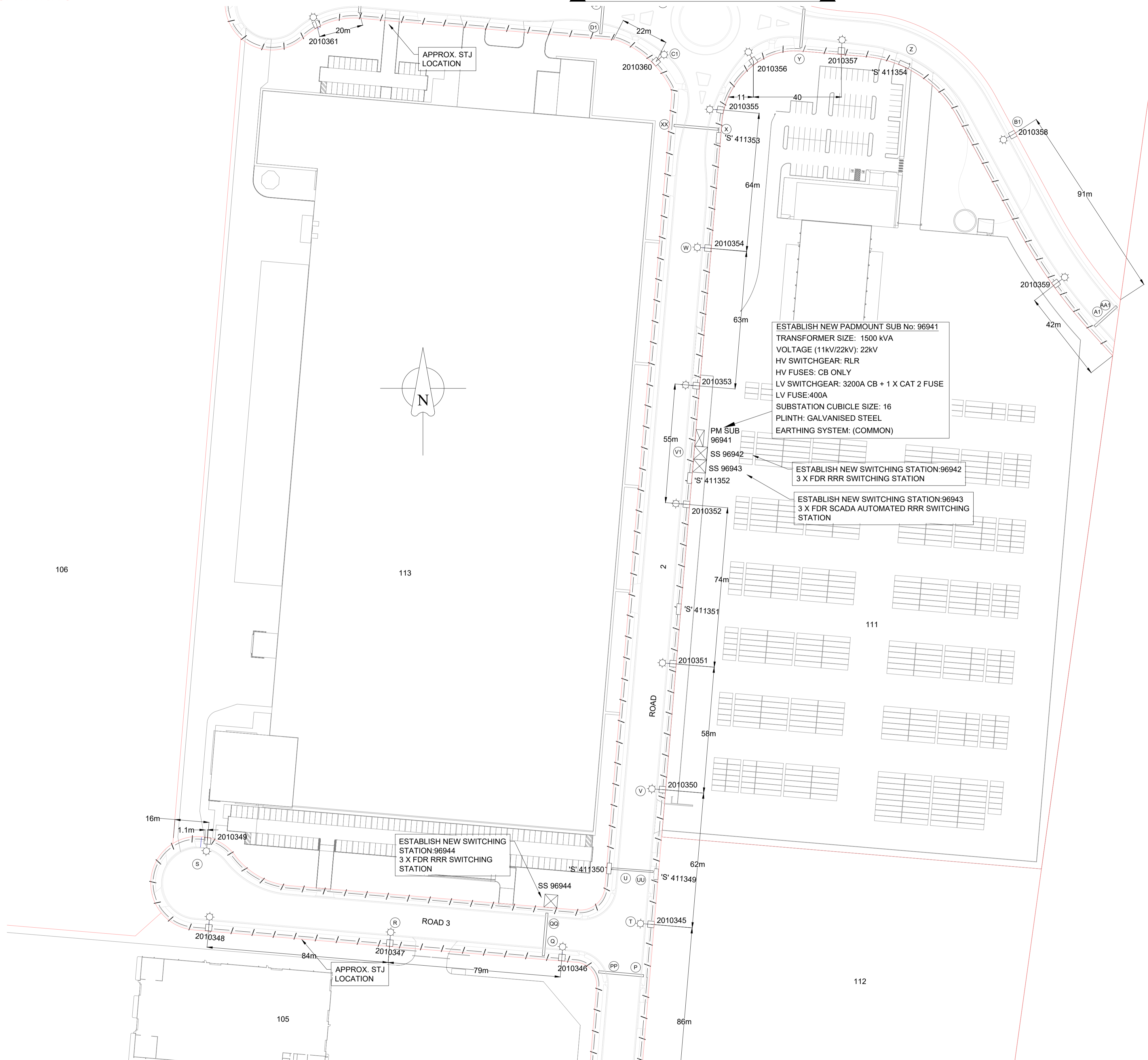
Amendment: **A**

Date Approved: **27/09/2024**

Examiner's Signature: *Vasan Naidoo*

Print Name: **Vasan Naidoo**

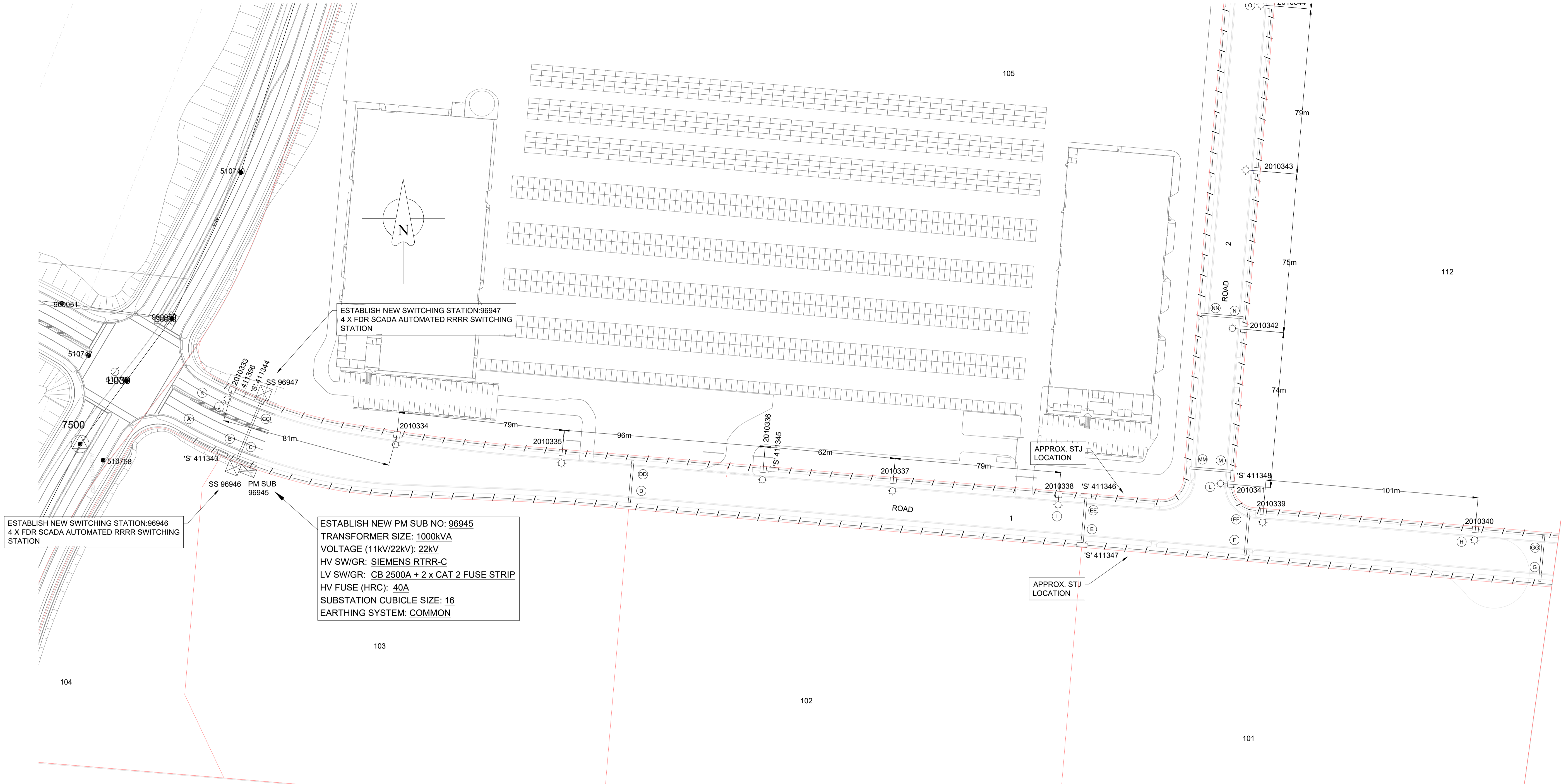
This Certification is issued subject to Endeavour Energy's Standard Certification Terms



1 2 3 4 5 6 7 8 9 10 11 12

CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATING

B CONTINUE ON SHEET 3 B



LEGEND

- NEW SUBSTATION LOCATION
- EXISTING POLE SUBSTATION LOCATION
- NEW SWITCHING STATION
- HIGH VOLTAGE TRENCHING
- INSTALL DUCTS
- NEW PILLAR LOCATION
- NEW COLUMN LOCATION
- EXISTING SL LANTERN
- NEW STREET LIGHT LANTERN

WORKS COMPLETED/FIELD BOOK

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OF: _____

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DATE: _____

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 Amendment: **A**
 Date Approved: **27/09/2024**
 Examiner's Signature: *Vasan Naidoo*
 Print Name: **Vasan Naidoo**
This Certification is issued subject to Endeavour Energy's Standard Certification Terms

AMENDMENTS ORIGINAL ISSUE DRAFT No. 01	Electricity and Comms Infrastructure and Building Engineering Consultants Level 3 ASP #2508 355-7 Inglewood Place Norwest NSW 2153 PO Box 8114 Norwest NSW 2153 P: +612 8914 1200 E: info@edgewaterconnections.com.au W: www.edgewaterconnections.com.au Design Ref: 4377		<small>THIS DRAWING AND THE COPYRIGHT THEREIN IS THE PROPERTY OF ENDEAVOUR ENERGY AND MAY NOT BE COPIED, REPRODUCED, DISTRIBUTED, LOANED OR USED WITHOUT THE WRITTEN CONSENT OF ENDEAVOUR ENERGY</small>	REFERENCE DRAWING'S	WORK ORDERS	CAMS File No.	UIS1063	ORIGINAL SCALE AS SHOWN	DO NOT SCALE DIMENSIONS IN METRES <small>GDA2020/ MGA56 COORDINATE SYSTEM</small>	106-228 ALDINGTON ROAD KEMPS CREEK ENDEAVOUR ENERGY NO: UIS1063 INDUSTRIAL SUBDIVISION LOT 200 DP1285691 ELECTRICAL RETICULATION	
				GENERAL OVERHEAD UNDERGROUND SUBSTATIONS	GENERAL OVERHEAD UNDERGROUND SUBSTATIONS	AM PROJ. No. HV SWITCHING EE DEPOT EE REGION HV OP DIAG LOCAL GOV AREA	PENRITH DEPOT NORTHERN SOUTH ERSKINE PARK PENRITH				

TO CB SK2312 "STOCKLAND FIFE ESTATE NO.2" IN SOUTH ERSKINE PARK ZONE SUBSTATION

TO CB SK2122/B "STOCKLAND FIFE ESTATE NO.1" IN SOUTH ERSKINE PARK ZONE SUBSTATION

TO HV UG OH ON POLE NO.1001829 TO BE INSTALLED UNDER PROJECT UIL6424

SWITCHING STATION 96018 TO BE INSTALLED UNDER PROJECT UIL6424

PM SUB 96017 TO BE INSTALLED UNDER PROJECT UIL6424

ASSET RECORDING

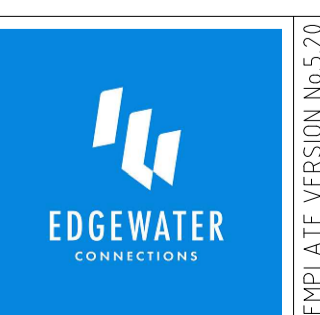
Form with fields for I, OF, CONTACT No., and SIGNATURE/DATE.

WORKS COMPLETED/FIELD BOOK

Form with fields for CONSTRUCTED BY, WORKS COMPLETED, and SIGNATURE/DATE.

Form with fields for I, OF, CONTACT No., and SIGNATURE/DATE.

Electricity and Comms Infrastructure and Building Engineering Consultants Level 3 ASP #2508



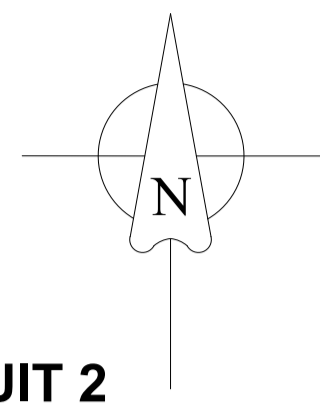
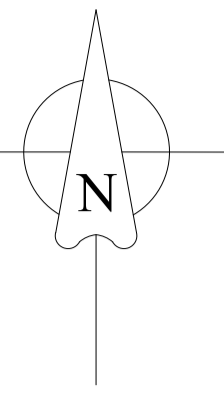
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REFERENCE DRAWING'S and WORK ORDERS table with columns for GENERAL, OVERHEAD, UNDERGROUND, SUBSTATIONS, CAMS File No., AM PROJ. No., HV SWITCHING, EE DEPOT, EE REGION, HV OP DIAG, LOCAL GOV AREA, and PENRITH.

Table with columns for ORIGINAL SCALE AS SHOWN, DO NOT SCALE DIMENSIONS IN METRES, GDA2020/ MGA56 COORDINATE SYSTEM, and DESIGN M.S.

106-228 ALDINGTON ROAD KEMPS CREEK ENDEAVOUR ENERGY NO. UIS1063 INDUSTRIAL SUBDIVISION LOT 200 DP1285691 ELECTRICAL RETICULATION

Endeavour Energy logo and sheet information: A1 532272 A SHEET No 5 OF 11 SHEETS



CERTIFIED BY ENDEAVOUR ENERGY Amendment: A Date Approved: 27/09/2024 Examiner's Signature: Vasan Naidoo Print Name: Vasan Naidoo

JOINT/TERMINATION TYPE: NETWORK ACCESS AUTHORISATION: JOINT/TERMINATION KIT #: JOINT/TERMINATION BATCH #: DATE OF MANUFACTURE:

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JOINT/TERMINATION TYPE: NETWORK ACCESS AUTHORISATION: JOINT/TERMINATION KIT #: JOINT/TERMINATION BATCH #: DATE OF MANUFACTURE:

FINAL H.V. CIRCUIT 2

- NOT TO SCALE EXISTING HV UG MAINS INSTALL 240mm² Cu 3C 22kV XLPE/PVC/HDPE CABLE (CABLE LENGTH REFER TO FINAL HV CIRCUIT 3) INSTALL 240mm² AL 3C 22kV XLPE/PVC/HDPE CABLE (CABLE LENGTH REFER TO FINAL HV CIRCUIT 3)

JOINT/TERMINATION TYPE: NETWORK ACCESS AUTHORISATION: JOINT/TERMINATION KIT #: JOINT/TERMINATION BATCH #: DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE: NETWORK ACCESS AUTHORISATION: JOINT/TERMINATION KIT #: JOINT/TERMINATION BATCH #: DATE OF MANUFACTURE:

SAP DATA SUB 96941 HV BUSBAR 20800 TRF1 10005582 LV BUSBAR 38722

PM SUB 96941

JOINT/TERMINATION TYPE: NETWORK ACCESS AUTHORISATION: JOINT/TERMINATION KIT #: JOINT/TERMINATION BATCH #: DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE: NETWORK ACCESS AUTHORISATION: JOINT/TERMINATION KIT #: JOINT/TERMINATION BATCH #: DATE OF MANUFACTURE:

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JOINT/TERMINATION TYPE: NETWORK ACCESS AUTHORISATION: JOINT/TERMINATION KIT #: JOINT/TERMINATION BATCH #: DATE OF MANUFACTURE:

SAP DATA SS 96942 HV BUSBAR 20801

SAP DATA SS 96943 HV BUSBAR 20802

SS SUB 96943

MAKE SWITCH 245047 N/O WHEN FEEDER SK2125 IS INSTALLED IN SS96947

SEE CONTINUATION ON LEFT

SEE CONTINUATION ON SHEET 6

SEE CONTINUATION ON RIGHT

WORKS COMPLETED/FIELD BOOK

CONSTRUCTED BY: _____
 WORKS COMPLETED: _____
 SIGNATURE: _____ DATE: _____
 INSPECTED BY: _____
 SIGNATURE: _____ DATE: _____

ASSET RECORDING

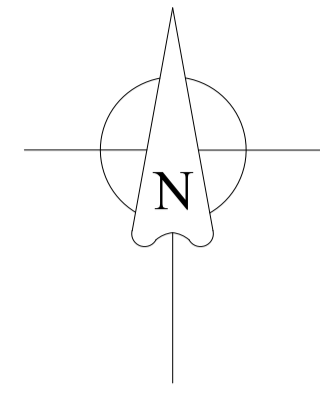
I: _____
 OF: _____
 CONTACT No.: _____
 HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD SMD 004.
 SIGNATURE: _____
 DATE: _____

CERTIFIED BY ENDEAVOUR ENERGY
 Amendment: **A**
 Date Approved: **27/09/2024**
 Examiner's Signature: *Vasan Naidoo*
 Print Name: **Vasan Naidoo**
 This Certification is issued subject to Endeavour Energy's Standard Certification Terms

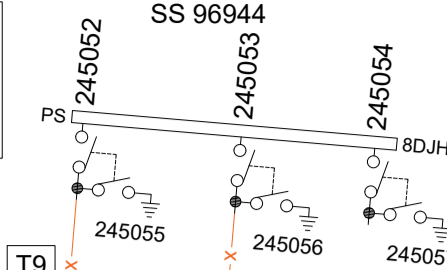
FINAL H.V. CIRCUIT 3

NOT TO SCALE

- EXISTING HV UG MAINS
- / - / - INSTALL 240mm² Cu 3C 22kV XLPE/PVC/HDPE CABLE
R.L. 748 C.L. 800
- x - x - x INSTALL 240mm² AL 3C 22kV XLPE/PVC/HDPE CABLE
R.L. 6292 C.L. 6392
- FUTURE CABLE TO BE INSTALLED
- NEW HV STJ



SAP DATA
 SS 96944
 HV BUSBAR 20803



SEE CONTINUATION ON SHEET 5

JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

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 JOINT/TERMINATION KIT #:
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JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
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 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

SAP DATA
 SS 96947
 HV BUSBAR 20806

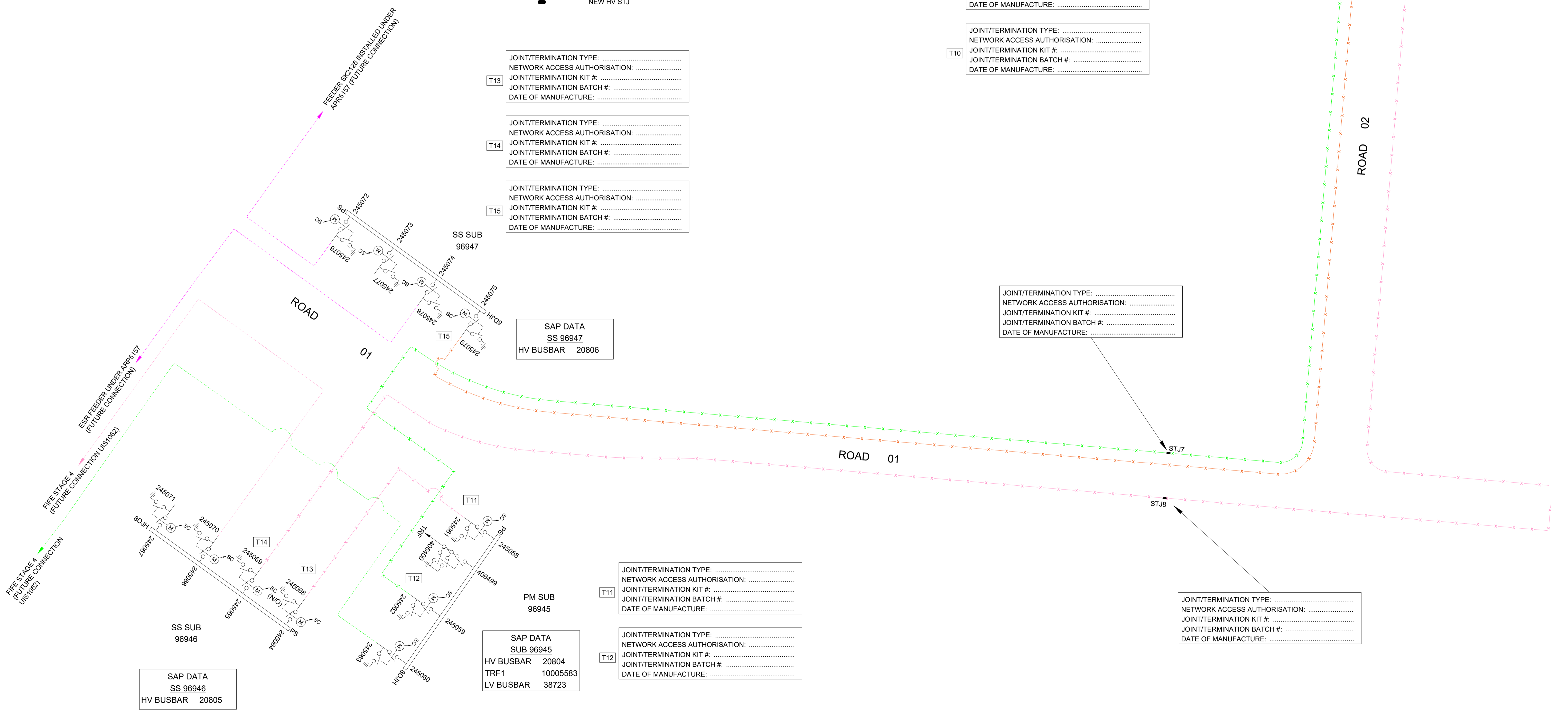
JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:

SAP DATA
 SUB 96945
 HV BUSBAR 20804
 TRF1 10005583
 LV BUSBAR 38723

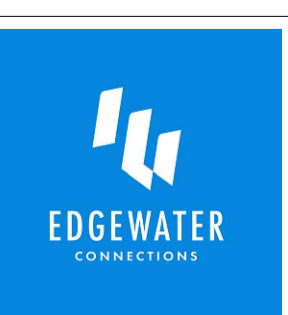
JOINT/TERMINATION TYPE:
 NETWORK ACCESS AUTHORISATION:
 JOINT/TERMINATION KIT #:
 JOINT/TERMINATION BATCH #:
 DATE OF MANUFACTURE:



SAP DATA
 SS 96946
 HV BUSBAR 20805

AMENDMENTS
 ORIGINAL
 ISSUE
 DRAFT No. 01

Electricity and Comms Infrastructure and Building Engineering Consultants
 Level 3 ASP #2508
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 PO Box 8114
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 E: info@edgewaterconnections.com.au
 W: www.edgewaterconnections.com.au
 Design Ref: 4377



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 TEMPLATE VERSION No. 5.20

REFERENCE DRAWING'S	WORK ORDERS
GENERAL	
OVERHEAD	
UNDERGROUND	
SUBSTATIONS	

CAMS File No.	UIS1063
AM PROJ. No.	
HV SWITCHING	
EE DEPOT	PENRITH DEPOT
EE REGION	NORTHERN
HV OP DIAG	SOUTH ERSKINE PARK
LOCAL GOV AREA	PENRITH

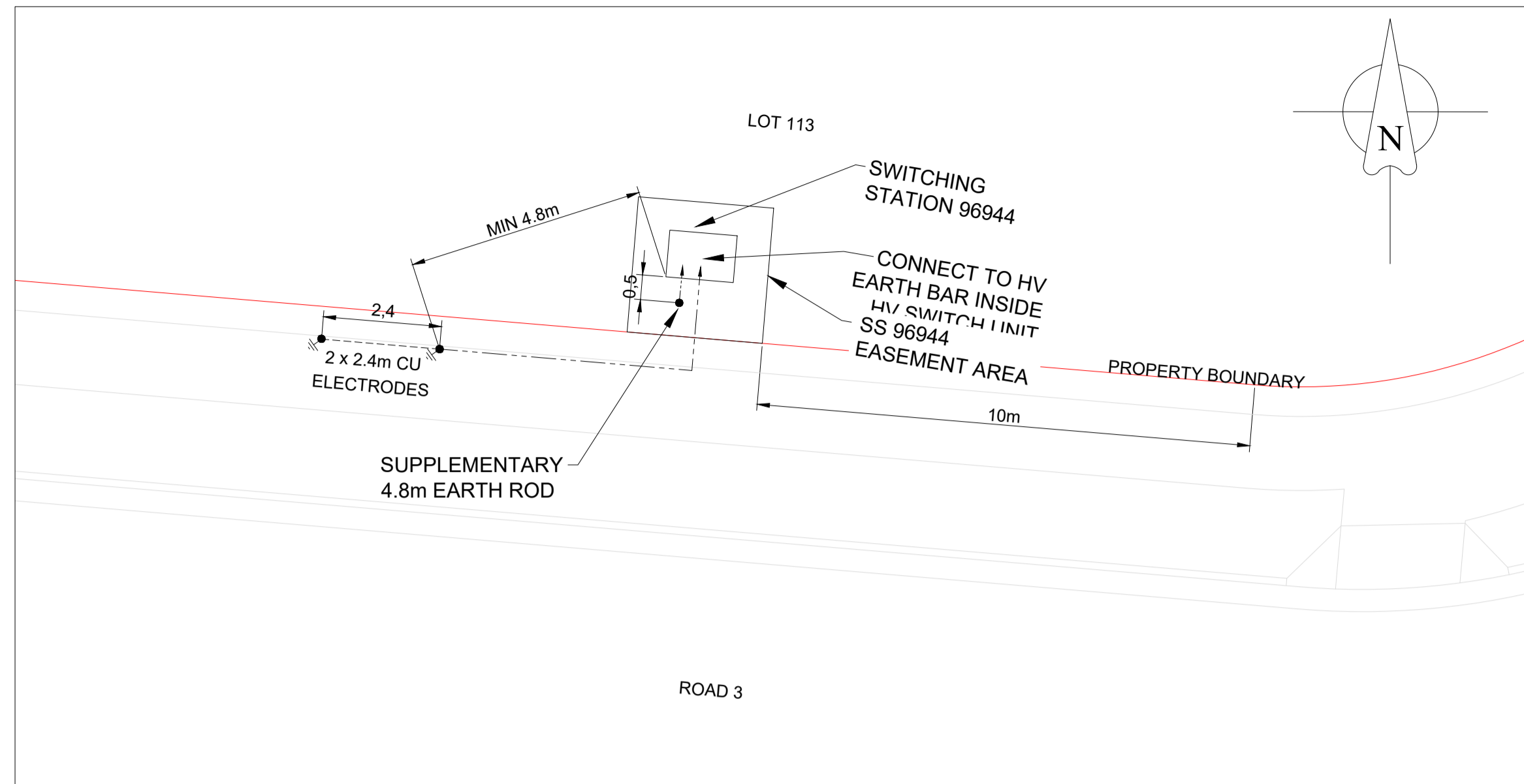
ORIGINAL SCALE AS SHOWN	DO NOT SCALE DIMENSIONS IN METRES
M.S.	
DATE	23/09/2024
CH'D	J.J.
DESIGN	M.S.

106-228 ALDINGTON ROAD
 KEMPS CREEK
 ENDEAVOUR ENERGY NO. UIS1063
 INDUSTRIAL SUBDIVISION
 LOT 200 DP1285691
 ELECTRICAL RETICULATION

Endeavour Energy

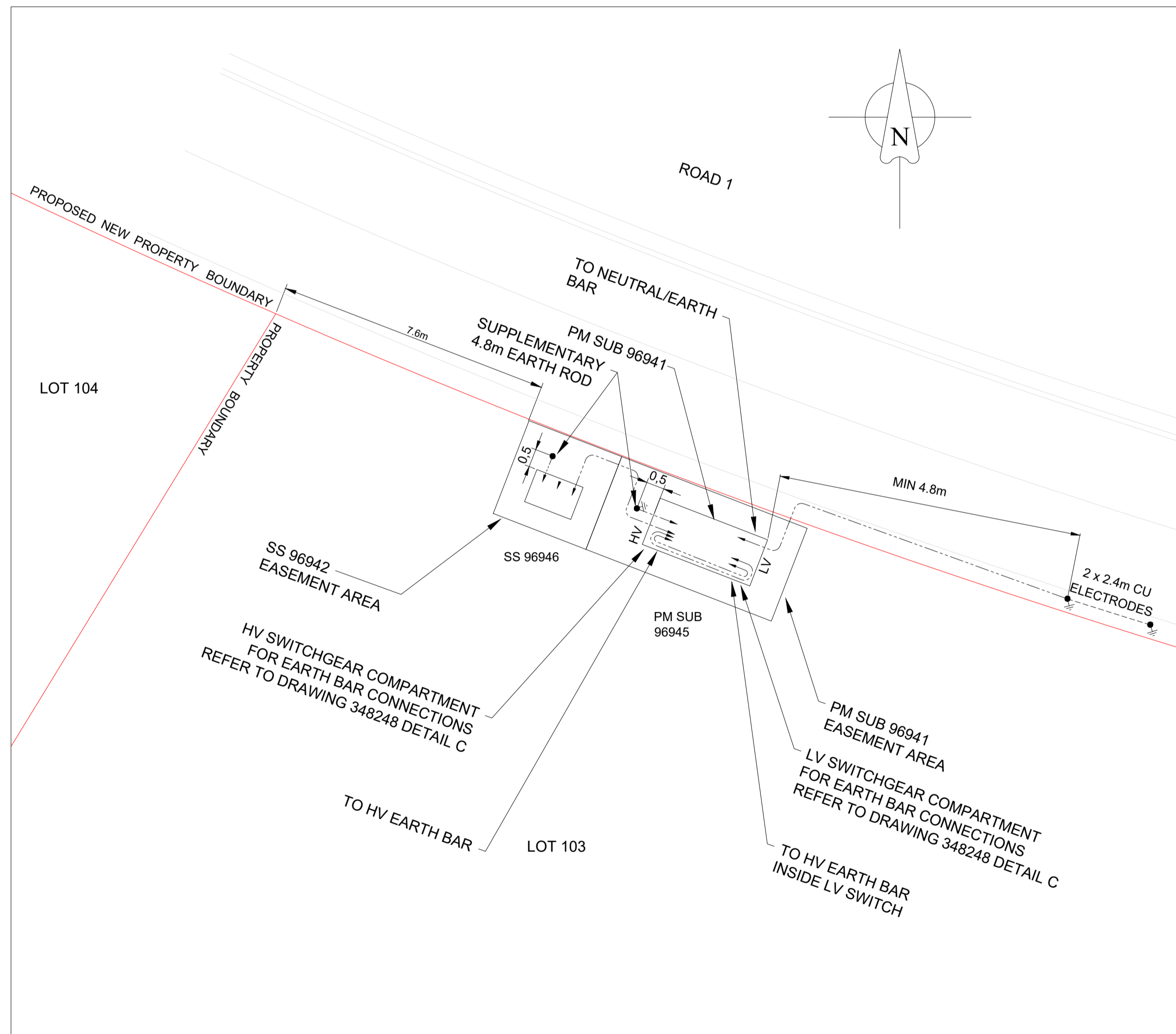
A1 532272 A

SHEET No 6 OF 11 SHEETS



SS 96944 COMMON EARTHING LAYOUT

NOT TO SCALE



PM SUB 96945 & SS 96946 COMMON EARTHING LAYOUT

NOT TO SCALE

EARTHING DETAILS FOR PM SUBSTATION 96941 AND 96945			
SOIL RESISTIVITY (ohms.m)	LAYER 1	41.74	0.50
	LAYER 2	29.49	--
DESIGNED EARTH RESISTANCE (ohms)			7.5
MEASURED EARTH RESISTANCE (ohms)			
NUMBER OF ELECTRODES EXCLUDING SUPPLEMENTARY EARTH ROD			2
LENGTH OF BARE ELECTRODE (m)			2.4
CONNECTION TYPE (CAD OR CRIMP)			CRIMP
LOCATION CATEGORY: F- FREQUENTED, R-REMOTE, S-SPECIAL			F
WHAT DESIGN TOOL USED?			3E
FAULT LEVEL (kA)			8.06
IS THIS 'FIRST ASSET OUT' FROM ZS			YES
ARE SCREENS OF INCOMING CABLES BONDED TO DISTRIBUTION SUBSTATION EARTH BAR			YES

EARTHING DETAILS FOR PM SWITCHING STATION 96942, 96943, 96944 & 96946			
SOIL RESISTIVITY (ohms.m)	LAYER 1	41.74	0.50
	LAYER 2	29.49	--
DESIGNED EARTH RESISTANCE (ohms)			7.5
MEASURED EARTH RESISTANCE (ohms)			
NUMBER OF ELECTRODES EXCLUDING SUPPLEMENTARY EARTH ROD			2
LENGTH OF BARE ELECTRODE (m)			2.4
CONNECTION TYPE (CAD OR CRIMP)			CRIMP
LOCATION CATEGORY: F- FREQUENTED, R-REMOTE, S-SPECIAL			F
WHAT DESIGN TOOL USED?			3E
FAULT LEVEL (kA)			8.06
IS THIS 'FIRST ASSET OUT' FROM ZS			NO
ARE SCREENS OF INCOMING CABLES BONDED TO DISTRIBUTION SUBSTATION EARTH BAR			YES

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)

WORKS COMPLETED/FIELD BOOK

CONSTRUCTED BY: _____

WORKS COMPLETED: _____

SIGNATURE: _____ DATE: _____

INSPECTED BY: _____

SIGNATURE: _____ DATE: _____

ASSET RECORDING

I: _____

OF: _____

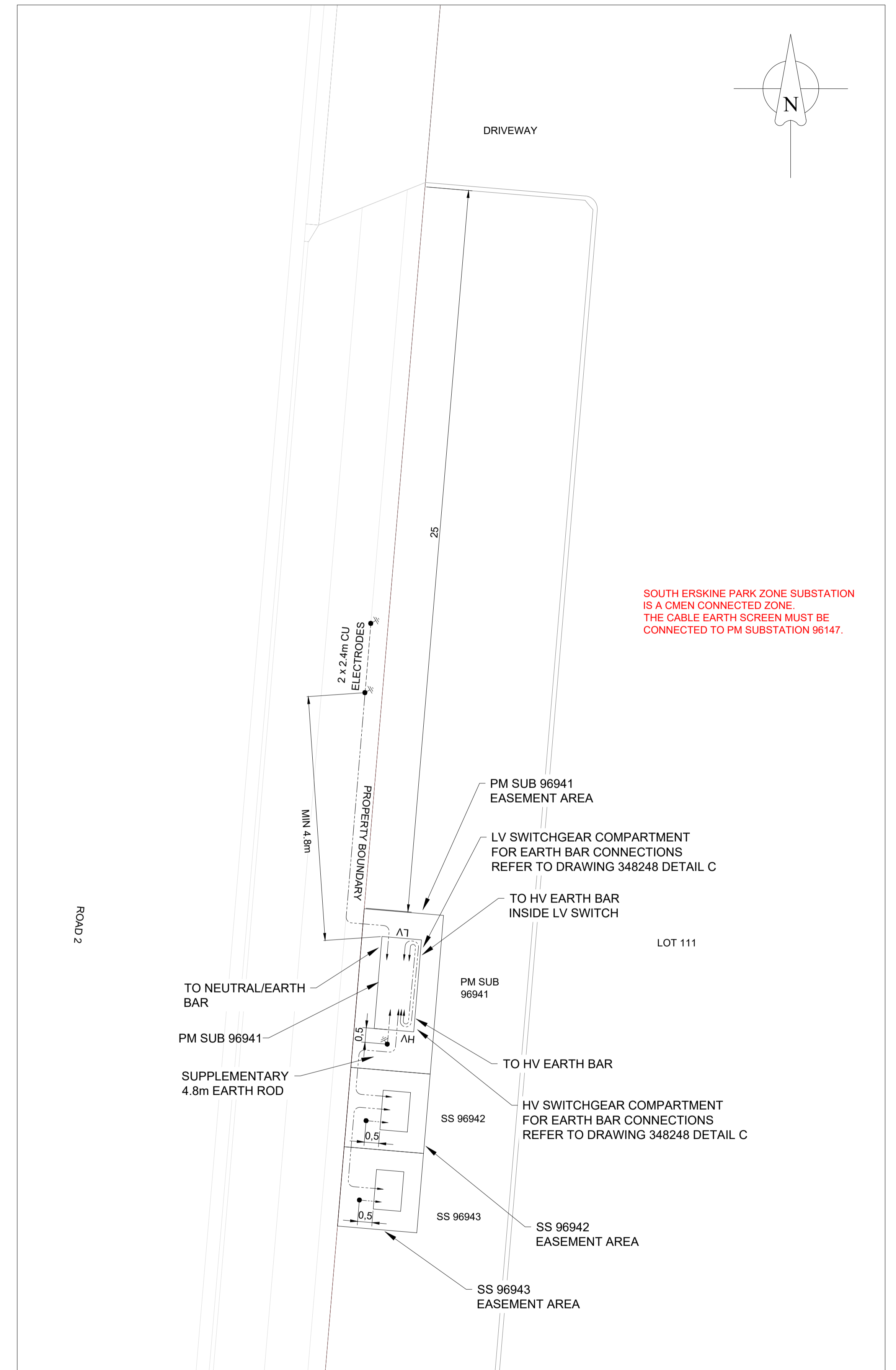
CONTACT No.: _____

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

SIGNATURE: _____

DATE: _____

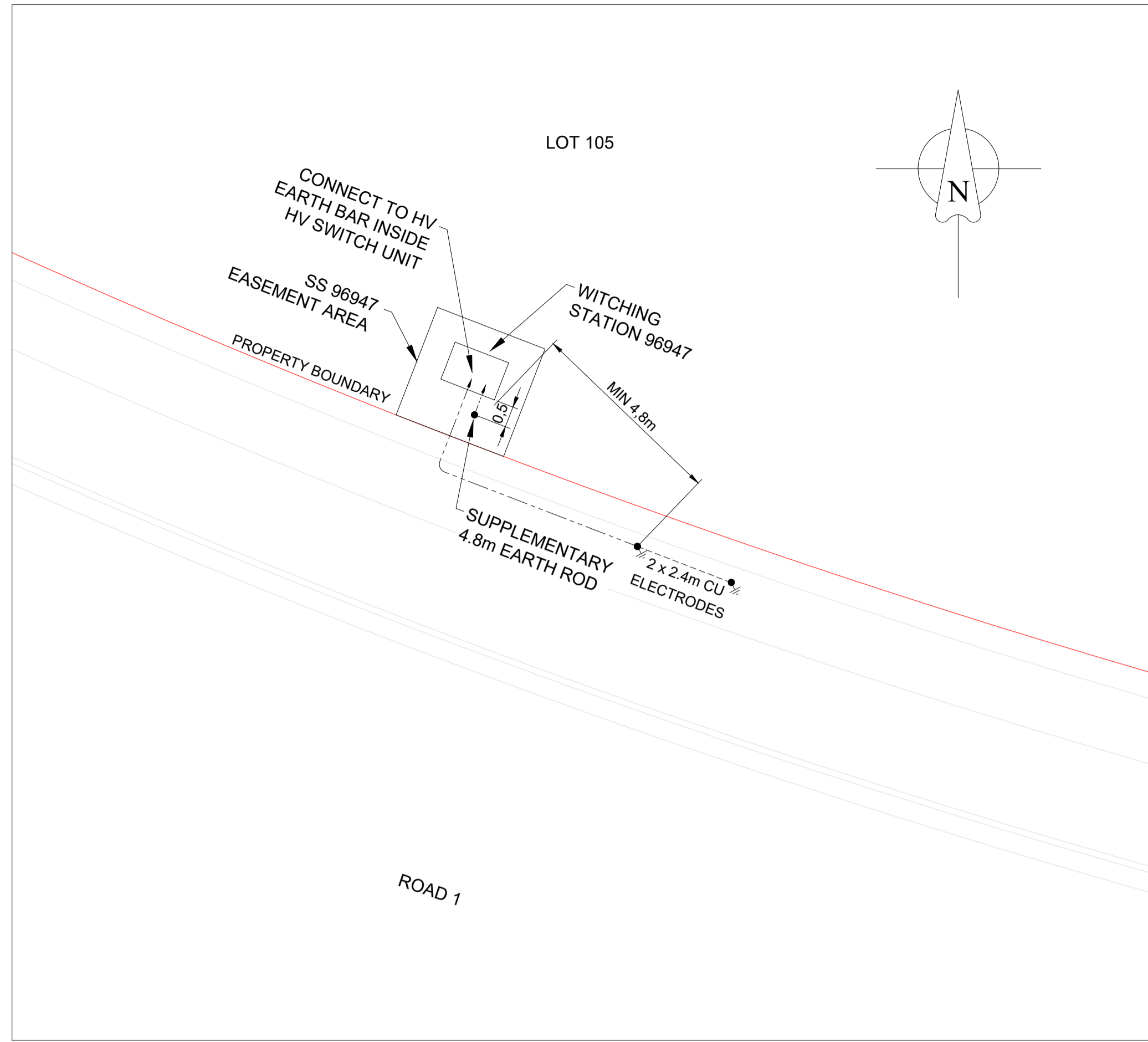
CERTIFIED BY ENDEAVOUR ENERGY
 Amendment: **A**
 Date Approved: **27/09/2024**
 Examiner's Signature: *Vasan Naidoo*
 Print Name: **Vasan Naidoo**
 This Certification is issued subject to Endeavour Energy's Standard Certification Terms



PM SUB 96941 & SS 96942 & SS 96943 COMMON EARTHING LAYOUT

NOT TO SCALE

SOUTH ERSKINE PARK ZONE SUBSTATION IS A CMEN CONNECTED ZONE. THE CABLE EARTH SCREEN MUST BE CONNECTED TO PM SUBSTATION 96147.



EARTHING DETAILS FOR PM SWITCHING STATION 96947				
SOIL RESISTIVELY (ohms.m)	LAYER 1	41.74	DEPTH (m)	0.50
	LAYER 2	29.49		--
DESIGNED EARTH RESISTANCE (ohms)			7.5	
MEASURED EARTH RESISTANCE (ohms)				
NUMBER OF ELECTRODES EXCLUDING SUPPLEMENTARY EARTH ROD			2	
LENGTH OF BARE ELECTRODE (m)			2.4	
CONNECTION TYPE (CAD OR CRIMP)			CRIMP	
LOCATION CATEGORY: F- FREQUENTED, R-REMOTE, S-SPECIAL			F	
WHAT DESIGN TOOL USED?			3E	
FAULT LEVEL (kA)			8.06	
IS THIS 'FIRST ASSET OUT' FROM ZS			NO	
ARE SCREENS OF INCOMING CABLES BONDED TO DISTRIBUTION SUBSTATION EARTH BAR			YES	

WORKS COMPLETED/FIELD BOOK

CONSTRUCTED BY: _____

WORKS COMPLETED: _____

SIGNATURE: _____ DATE: _____

INSPECTED BY: _____

SIGNATURE: _____ DATE: _____

ASSET RECORDING

I: _____

OF: _____

CONTACT NO.: _____

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SIGNATURE: _____

DATE: _____

CERTIFIED BY ENDEAVOUR ENERGY

Amendment: A

Date Approved: 27/09/2024

Examiner's Signature: *Vasan Naidoo*

Print Name: Vasan Naidoo

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

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)

LIGHTING EQUIPMENT SCHEDULE

ITEM ID	STATE	SL NUMBER	SUPPORT NUMBER	SUPPORT NUMBER	LUMINAIRE				COLUMN/POLE				COLOUR	BRACKET/OUTREACH				UPCAST	CATEGORY	CHARGE TO	MOUNTING HEIGHT	
		NEW	NEW	EXISTING	DESCRIPTION	PART NO	QTY	RATE CODE	DESCRIPTION	PART NO	FOOTING (BOLT/FOUNDATION)	QTY	RATE CODE	DESCRIPTION	DESCRIPTION	PART NO	QTY					RATE CODE
1	NEW	313144	2010334		80W ROADLED MIDI	PM99G05L80	14	962	7.0m ENLARGED BASE	IE/EB 7.0	TYPE 2 RAG BOLT / TYPE 2 FOUNDATION	14	995	GALVANIZED	4.5m CURVED PIPE SINGLE	IE4.5PCS/25	14	991	5°	PR3	PENRITH CITY COUNCIL (100%)	9m
		313445	2010335																			
		313146	2010336																			
		313147	2010337																			
		313148	2010338																			
		313149	2010339																			
		313150	2010340																			
		313166	2010356																			
		313167	2010357																			
		313170	2010360																			
		313174	2010364																			
		313175	2010365																			
		313176	2010366																			
313177	2010367																					
2	NEW	313143	2010333		80W ROADLED MIDI	PM99G05L80	1	962	7.0m ENLARGED BASE	IE/EB 7.0	TYPE 2 RAG BOLT / TYPE 2 FOUNDATION	1	995	GALVANIZED	6m CURVED PIPE SINGLE	IE6PCS/25	1	991	5°	PR3	PENRITH CITY COUNCIL (100%)	9m
3	NEW	313151	2010341		GERARD LED P3 33W	JLB99G15L33	29	953	7.0m ENLARGED BASE	IE/EB 7.0	TYPE 2 RAG BOLT / TYPE 2 FOUNDATION	29	995	GALVANIZED	4.5m CURVED PIPE SINGLE	IE4.5PCS/25	29	991	5°	PR5	PENRITH CITY COUNCIL (100%)	9m
		313152	2010342																			
		313153	2010343																			
		313154	2010344																			
		313155	2010345																			
		313156	2010346																			
		313157	2010347																			
		313158	2010348																			
		313159	2010349																			
		313160	2100350																			
		313161	2010351																			
		313162	2010352																			
		313163	2010353																			
		313164	2010354																			
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313181	2010371																					
313182	2010372																					
313183	2010373																					
313184	2010374																					
313185	2010375																					
313186	2010376																					

AMENDMENTS ORIGINAL ISSUE DRAFT No. 01	Electricity and Comms Infrastructure and Building Engineering Consultants Level 3 ASP #2508 355-7 Ingleswood Place Norwest NSW 2153 PO Box 8114 Norwest NSW 2153 P: +61 2 8914 1200 E: info@edgewaterconnections.com.au W: www.edgewaterconnections.com.au Design Ref: 4377		TEMPLATE VERSION No. 5.20 © THIS DRAWING AND THE COPYRIGHT THEREIN 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.	UIS1063	ORIGINAL SCALE AS SHOWN DO NOT SCALE DIMENSIONS IN METRES GDA2020/ MGA56 COORDINATE SYSTEM	106-228 ALDINGTON ROAD KEMPS CREEK ENDEAVOUR ENERGY NO. UIS1063 INDUSTRIAL SUBDIVISION LOT 200 DP1285691 ELECTRICAL RETICULATION		A1 532272 A SHEET No 10 OF 11 SHEETS
				GENERAL	OVERHEAD	AM PROJ. No.	HV SWITCHING				

DUCT BREAKDOWN TABLE					
ROUTE	CONFIGURATION	ROUTE LENGTH	EE REIMBURSEMENT CHARGES	EXISTING DUCT USAGE CHARGES	
A - B		NEW INSTALL NEW TYPE 26 DUCTS	22	NIL	NIL
B - C		NEW INSTALL NEW TYPE 26 DUCTS	8	NIL	NIL
C - CC		NEW INSTALL NEW TYPE 26 DUCTS	30	NIL	NIL
C - D		NEW INSTALL NEW TYPE 26 DUCTS	187	NIL	NIL
D - DD		NEW INSTALL NEW TYPE 26 DUCTS	20	NIL	NIL
D - E		NEW INSTALL NEW TYPE 26 DUCTS	214	NIL	NIL
E - EE		NEW INSTALL NEW TYPE 26 DUCTS	20	NIL	NIL
E - F		NEW INSTALL NEW TYPE 26 DUCTS	76	NIL	NIL
F - FF		NEW INSTALL NEW TYPE 26 DUCTS	76	NIL	NIL
F - G		NEW INSTALL NEW TYPE 26 DUCTS	76	NIL	NIL
G - GG		NEW INSTALL NEW TYPE 26 DUCTS	76	NIL	NIL
GG - H		NEW INSTALL NEW TYPE 26 DUCTS	76	NIL	NIL
H - FF		NEW INSTALL NEW TYPE 26 DUCTS	76	NIL	NIL
FF - L		NEW INSTALL NEW TYPE 26 DUCTS	15	NIL	NIL
L - M		NEW INSTALL NEW TYPE 26 DUCTS	6	NIL	NIL
M - MM		NEW INSTALL NEW TYPE 26 DUCTS	20	NIL	NIL
MM - EE		NEW INSTALL NEW TYPE 26 DUCTS	57	NIL	NIL
EE - I		NEW INSTALL NEW TYPE 26 DUCTS	214	NIL	NIL
I - DD		NEW INSTALL NEW TYPE 26 DUCTS	12	NIL	NIL
DD - CC		NEW INSTALL NEW TYPE 26 DUCTS	180	NIL	NIL
CC - J		NEW INSTALL NEW TYPE 26 DUCTS	26	NIL	NIL
J - K		NEW INSTALL NEW TYPE 26 DUCTS	10	NIL	NIL
M - N		NEW INSTALL NEW TYPE 26 DUCTS	72	NIL	NIL

DUCT BREAKDOWN TABLE					
ROUTE	CONFIGURATION	ROUTE LENGTH	EE REIMBURSEMENT CHARGES	EXISTING DUCT USAGE CHARGES	
N - NN		NEW INSTALL NEW TYPE 26 DUCTS	20	NIL	NIL
N - O		NEW INSTALL NEW TYPE 26 DUCTS	148	NIL	NIL
N - P		NEW INSTALL NEW TYPE 26 DUCTS	63	NIL	NIL
MM - NN		NEW INSTALL NEW TYPE 26 DUCTS	74	NIL	NIL
NN - PP		NEW INSTALL NEW TYPE 26 DUCTS	211	NIL	NIL
PP - Q		NEW INSTALL NEW TYPE 26 DUCTS	30	NIL	NIL
Q - QQ U - UU		NEW ROAD CROSSING INSTALL NEW TYPE 26 DUCTS	20 20	NIL	NIL
Q - R		NEW INSTALL NEW TYPE 26 DUCTS	71	NIL	NIL
R - S		NEW INSTALL NEW TYPE 26 DUCTS	151	NIL	NIL
S - QQ		NEW INSTALL NEW TYPE 26 DUCTS	167	NIL	NIL
QQ - U		NEW INSTALL NEW TYPE 26 DUCTS	48	NIL	NIL
P - T		NEW INSTALL NEW TYPE 26 DUCTS	24	NIL	NIL
T - UU		NEW INSTALL NEW TYPE 26 DUCTS	16	NIL	NIL
UU - V		NEW INSTALL NEW TYPE 26 DUCTS	43	NIL	NIL
V - V1		NEW INSTALL NEW TYPE 26 DUCTS	155	NIL	NIL
V1 - W		NEW INSTALL NEW TYPE 26 DUCTS	93	NIL	NIL
W - X		NEW INSTALL NEW TYPE 26 DUCTS	58	NIL	NIL
X - XX		NEW INSTALL NEW TYPE 26 DUCTS	22	NIL	NIL
U - XX		NEW INSTALL NEW TYPE 26 DUCTS	350	NIL	NIL
X - Y		NEW INSTALL NEW TYPE 26 DUCTS	56	NIL	NIL
Y - Z		NEW INSTALL NEW TYPE 26 DUCTS	54	NIL	NIL
Z - A1		NEW INSTALL NEW TYPE 26 DUCTS	150	NIL	NIL
A1 - AA1		NEW INSTALL NEW TYPE 26 DUCTS	14	NIL	NIL

DUCT BREAKDOWN TABLE					
ROUTE	CONFIGURATION	ROUTE LENGTH	EE REIMBURSEMENT CHARGES	EXISTING DUCT USAGE CHARGES	
AA1 - B1		NEW INSTALL NEW TYPE 26 DUCTS	91	NIL	NIL
XX - C1		NEW INSTALL NEW TYPE 26 DUCTS	32	NIL	NIL
C1 - D1		NEW INSTALL NEW TYPE 26 DUCTS	32	NIL	NIL
D1 - DD1		NEW INSTALL NEW TYPE 26 DUCTS	21	NIL	NIL
D1 - E1		NEW INSTALL NEW TYPE 26 DUCTS	112	NIL	NIL
E1 - EE1		NEW ROAD CROSSING INSTALL NEW TYPE 26 DUCTS	20	NIL	NIL
E1 - EE1		NEW INSTALL NEW TYPE 26 DUCTS	150	NIL	NIL
EE1 - DD1		NEW INSTALL NEW TYPE 26 DUCTS	114	NIL	NIL
DD1 - F1		NEW INSTALL NEW TYPE 26 DUCTS	40	NIL	NIL
F1 - G1		NEW INSTALL NEW TYPE 26 DUCTS	36	NIL	NIL
G1 - GG1		NEW ROAD CROSSING INSTALL NEW TYPE 26 DUCTS	28	NIL	NIL
Y - YY		NEW INSTALL NEW TYPE 26 DUCTS	20	NIL	NIL
YY - GG1		NEW INSTALL NEW TYPE 26 DUCTS	40	NIL	NIL
G1 - H1		NEW INSTALL NEW TYPE 26 DUCTS	31	NIL	NIL
H1 - I1		NEW INSTALL NEW TYPE 26 DUCTS	210	NIL	NIL
I1 - J1		NEW INSTALL NEW TYPE 26 DUCTS	16	NIL	NIL
J1 - J1		NEW ROAD CROSSING INSTALL NEW TYPE 26 DUCTS	10	NIL	NIL
J1 - K1		NEW INSTALL NEW TYPE 26 DUCTS	140	NIL	NIL
K1 - KK1		NEW ROAD CROSSING INSTALL NEW TYPE 26 DUCTS	10	NIL	NIL
K1 - L1		NEW INSTALL NEW TYPE 26 DUCTS	182	NIL	NIL
L1 - M1		NEW INSTALL NEW TYPE 26 DUCTS	16	NIL	NIL
M1 - N1		EXISTING	20	NIL	NIL DUCTS INSTALLED BY SAME DEVELOPER
TOTAL			4998m	NIL	NIL

DUCT LEGEND

- SPARE DUCT (50mm)
 - 50mm DUCT WITH NEW CABLE
 - 50mm DUCT WITH EXISTING CABLE
 - SPARE DUCT (125mm)
 - 125mm DUCT WITH NEW CABLE
 - 125mm DUCT WITH EXISTING CABLE
- REMOVE CABLE FROM EXISTING 125mm DUCT

CERTIFIED BY ENDEAVOUR ENERGY
 Amendment: A
 Date Approved: 27/09/2024
 Examiner's Signature: Vasan Naidoo
 Print Name: Vasan Naidoo
 This Certification is issued subject to Endeavour Energy's Standard Certification Terms

101805

AMENDMENTS
 ORIGINAL ISSUE
 DRAFT No. 01

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 Norwest NSW 2153
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 E: info@edgewaterconnections.com.au
 W: www.edgewaterconnections.com.au
 Design Ref: 4377

EDGEWATER
 CONNECTIONS

REFERENCE DRAWING'S	WORK ORDERS	CAMS File No.	UIS1063
GENERAL	OVERHEAD	AM PROJ. No.	
UNDERGROUND	EE DEPOT	HV SWITCHING	
SUBSTATIONS	EE REGION	NORTHERN	
	HV OP DIAG	SOUTH ERSKINE PARK	
	LOCAL GOV AREA	PENRITH	

ORIGINAL SCALE AS SHOWN	DO NOT SCALE DIMENSIONS IN METRES
M.S.	GDA2020/ MGA56 COORDINATE SYSTEM
DATE: 23/09/2024	
CH'D: J.J.	DESIGN: M.S.

106-228 ALDINGTON ROAD
 KEMPS CREEK
 ENDEAVOUR ENERGY NO. UIS1063
 INDUSTRIAL SUBDIVISION
 LOT 200 DP1285691
 ELECTRICAL RETICULATION

Endeavour Energy

A1 532272 A

SHEET No 11 OF 11 SHEETS