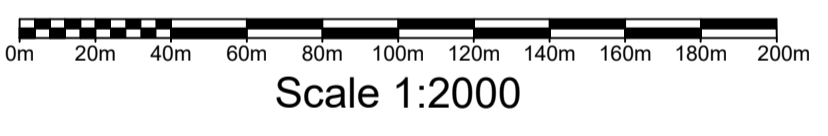


Site Plan - Overview

Scale 1:2000
Refer to Sheet 2 for Details.



LAI'D IN CONJUNCTION WITH URS25540, PLT1389 & PLT1390



Scale 1:2000

KEY DOCUMENTS TABLE

Document Name	Notation Date
Summary Environmental Report - FAT0038 (EMS0001)	05 July, 2021
Safe Design Report	05 July, 2021

Funding Arrangements for Scope of Works

ASP Level 1 Electrical Works		Customer
Endeavour Energy Supplied Materials	Customer Funded Non-Contestable Works	Customer Funded
NIL	All works associated with the inspection, testing, switching and the commissioning associated with this project.	Including but not limited to: <ul style="list-style-type: none"> Flagging of easements, property boundaries and infrastructure locations. Registering of Easements. Provide Site Access. Own Service and Service connections. Confirm ground levels.
Endeavour Energy Funded & Constructed	Customer Funded Contestable Works	Existing Duct Usage Charges (excl GST)
Works Required Prior to Completion of Customer Contestable Project	All other works and materials including but not limited to: <ul style="list-style-type: none"> Substation establishment & installation. Excavation & Trenching. Duct Installation. Cable Installation (Pulling & Laying). Cable Joining. Installation of Earthing. Removal of Redundant Assets. 	Total Usage \$0.00
Endeavour Energy Funded & Level 1 ASP Constructed - Reimbursement (excl GST)		Co-ordination Supply Required Date
Item	Amount	01/04/2022
3x 500kVA (11000:433V) PMS Trfs	\$37 728.00	
Total EE Capital Contribution (excl. PM & Design)	\$37 728.00	Assets to be Returned to the nearest Endeavour Energy Depot.
Total EE Capital Contribution (HV reimbursement)	\$41 388.00	Nil

WAE LEGEND

- PVC DUCTS (TRENCH)
- - - PVC DUCTS (UNDERBORE)
- QUALITY LEVEL DATA POINT
- PROPERTY LINE
- DE DUCT END
- UB UNDERBORE END

WAE NOTES

- ONLY CHANGES MARKED UP IN RED FORM ARE PART OF THIS ASSET RECORDING.
- ALL SURFACE ASSETS WERE RECORDED AT LEVEL QUALITY 'C'.
- HV CIRCUIT HAS BEEN AMENDED AS PER INSPECTION. REFER TO HV CIRCUIT FOR DETAILS.
- LV CIRCUIT HAS BEEN AMENDED AS PER INSPECTION. REFER TO LV CIRCUIT FOR DETAILS.
- DUCT TABLE HAS BEEN AMENDED AS PER INSPECTION. REFER TO DUCT SCHEDULE FOR DETAILS.

Pioneer Cost Share Reimbursement SCHEME - Expiry Date : N/A

Asset	Asset Cost Estimate (\$)	Unit Quantity	Net Asset Capacity (kVA)	Original Customer Utilization (kVA)	Maximum Reimbursement Amount (\$)
HV Mains	N/A	(km)			N/A
LV Mains	N/A	(km)			N/A
Substation	N/A				N/A

DIAL BEFORE YOU DIG	
Ref: 20795600	Date: 16 December, 2020
DBYD searches indicates the presence of services within the proposed work-site. The Level 1 ASP /Constructor is to confirm the location of "all" services prior to the commencement of works.	

Caution
A current services search of all utilities must be carried out prior to the commencement of works.

Caution
Existing live electrical assets located in this vicinity, appropriate safety precautions must be utilized.

Caution
Telstra assets in this area. Constructor to contact Telstra on ph 1800 653 935 prior to the commencement of works.

Caution
High Pressure Gas Assets in this area. constructor to contact Jemena on ph 1300 665 380 prior to the commencement of works.

Final Ground Level
The constructor is to confirm finished ground level with the developer prior to the commencement of construction

Route Lengths
All route lengths are to be confirmed on site by the constructor prior to ordering materials.

Pollution
Requirements of the environmental protection authority pollution control legislation is to be strictly adhered to.

Service Ducts
The end of service ducts must not be placed under proposed driveways. (Refer to Developers Representative for details for details)

Service Work
All service works to be carried out by an authorized level 2 ASP in accordance with the New South Wales Service & Installation Rules, Australian Standards and all other relevant standards.

Construction of this Project
This Project will be constructed at the same time as PLT1390 under drawings 52257A. All property modifications including easements will be captured under that project.

Cable Lengths
Cable Lengths specified on this design have been calculated utilizing 2 dimensional data to align with Endeavour Energy's AVS. The Constructor will need to allow for additional cable to cater for topographic influences as well as cable terminations, cable setting, and vertical indifference.

Existing Conduits
All conduits are to be mandrelled, proven clear, free of foreign material, and deformation prior to the installation of cables.

Proposed Ducts/Conduits
All Proposed 125mm ducts / conduits are to have a minimum 750mm cover. (in accordance with MDI0028)

Painting of Columns
Local council requires a certificate from the manufacturer supplied confirming the power coated columns are in accordance with the requirements of AS/NZ 4506-2005.

Streetlight LV Supply
All active conductors extending from LV pillars to service streetlight columns to be fitted with a 16A in line fuse.

Streetlight Columns
All streetlight columns are to be installed 350mm from the property boundaries unless otherwise indicated.

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

- CP: Connection Policy.
- EMS: Environmental Management Standard.
- MCI: Mains Construction Instruction.
- MDI: Mains Design Instruction.
- FDI: Protection Design Instruction.
- SDI: Substation Design Instruction.
- SAD: Design Drawing Standard.
- MMI: Mains Maintenance Instruction.
- SMI: Substation Maintenance Instruction.
- LDI: Public Lighting Electrical Design Element.

Additionally, where relevant, the design complies with AS/NZS7000 "Overhead Line Design - Detailed Procedures" published by The Australian Standards.

Power Line Design Pty Ltd indemnifies Endeavour Energy for any loss or damage resulting from non-compliance of the design with the above standards.

Signed: Mike Baranowski
Name: Michael | Baranowski
Service Provider Number: 2486 Date: 14-2-2022

WORK COMPLETED / FIELD BOOK
CONSTRUCTED BY C.J. DOYLE CONTRACTING
WORKS COMPLETED CHRIS JOWETT
SIGNATURE C.JOWETT DATE 08/09/22
INSPECTED BY MICHAEL WEIR
SIGNATURE _____ DATE _____

ASSET RECORDING
STEVE FRIDAY
OF C.J. DOYLE CONTRACTING
CONTACT No 8784-1922
HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD SAD 0004.
SIGNATURE STEVE FRIDAY DATE 08/09/22

Certified by Endeavour Energy
Amendment: _____
Date Approved: _____
Examiner's Signature: _____
Print Name: _____
This Certification is issued subject to Endeavour Energy's Standard Certification Terms.

Authorisation of Estimate Value of Endeavour Energy Funded Assets
Signed: _____
Print Name: _____
Service Number: _____
Funding Amount: \$ _____
Date: _____

Notes	
1.	This drawing is to be read in conjunction with the relevant Endeavour Energy Network Standards and Connection Policy.
2.	Endeavour Energy Contact Phone: 131081.
3.	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.
4.	Accredited Service Provider to notify Endeavour Energy asset data customer department daily when cable works is in progress. (ph. 131 081).
5.	ATTENTION: Permanent survey marks may exist in this area, these are to be located by a surveyor prior to commencement of work.
6.	ATTENTION: All services searches must be checked before construction.
7.	ATTENTION: The preparation of this design has been undertaken giving due consideration to the location of existing services. The Constructor is however responsible for the verification of services and permanent survey marks prior to the commencement of construction. No responsibility nor liability will be accepted by the designer for damage to existing services as a result of this design.
8.	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.
9.	Material Quantities Specified on this Design: The quantities or dimensions specified on this design are based on design information supplied and site conditions at the time of the design. As quantities and dimensions are subject to change, the Constructor must check all quantities and dimensions on site prior to tendering and prior to construction.
10.	Reimbursements: Reimbursements will be paid to the nominated party on the letter of intent after the works have been completed and the letter of acceptance has been issued. The reimbursed amount is shown in the "Funding Arrangements for Scope of Work table". Any disagreement with the amount should be resolved with Endeavour energy prior to the commencement of works.
11.	Operational Limitations: 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.
12.	Environmental Management plan: EMP EMS0001 is part of this design (refer to EIA for details).
13.	Pollution Controls: All the requirements of the Environmental Protection Authority pollution control legislation is to be strictly adhered to.
14.	Aboriginal Heritage: If during construction of this project the constructor or developer becomes aware of any previously unidentified Aboriginal Object(s), all work likely to affect the object(s) shall cease immediately, and the Office of Environment & Heritage shall be notified immediately in accordance with section 89a of the National Parks & Wildlife ACT 1974. Works shall not recommence until written authorization from the NSW Office of Environment and Heritage has been issued, in addition to written consent from the local aboriginal land council.
15.	Heritage: If during construction of this project the constructor or developer becomes aware of any previously unidentified heritage object(s), all work likely to affect the object(s) shall cease immediately, and the Heritage Council of NSW shall be notified immediately in accordance with Section 146 of the Heritage ACT1977. Works shall not recommence until written authorization from the heritage council has been issued.
16.	Telecommunications: Telecommunications assets are NOT effected by the proposed works.
17.	Existing Assets: Have all the existing assets been field checked and are accurate at the time of design? YES

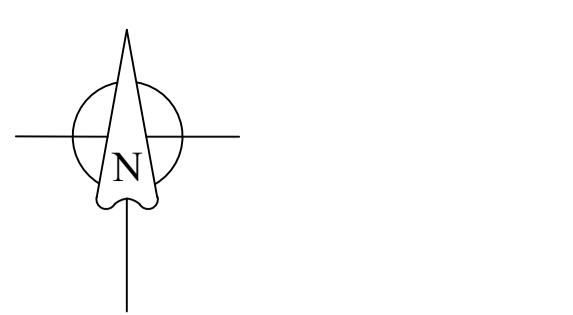
APPROVAL TO CONNECT TO PUBLIC LIGHTING
Reviewers Name: _____
Date Approved: _____
Reviewers Signature: _____
This Approval is issued subject to Endeavour Energy's General Terms & Conditions for Connection of Public Lighting and is specifically for drawing No. _____ Amendment _____.

This Drawing Supplies 213 Lots (Subdivision of Lot 3, DP1230408)						
C.A.P. No.	File No.	Lot Numbers	No. of Lots	Developer	Developers Representative	Contact No.
URS25440	2020/00341/001	Lot 8001 to 8213	213	Woorong Park Pty Limited	Tana Sainsbury (J. Wyndham Prince)	(02) 4720 3319

Lighting Equipment & Billing Schedule

Slate	Luminaire Number	Support Number	Luminaire				Column / Pole				Outreach / Bracket				Upcast Angle	Category	Mounting Height	Column Colour	Charge To	
			Description	Part No.	Rate Code	QTY	Description	Part No.	Rate Code	QTY	Description	Part No.	Rate Code	QTY						
New	297640	981502	17W StreetLED (Gerard)	JLB99G05L17	889	1	4.5m Enlarged Base Column	IE/4.5.EB	Type 2 /Type 2 (<9.0m)	995	1	3.0m Curved Pipe Outreach	IE3.0CPS/25	991	1	5°	PR5	6.5m	Black	Blacktown City Council
New	297642 - 297656	981503- 981517	17W StreetLED (Gerard)	JLB99G05L17	889	15	4.5m Enlarged Base Column	IE/4.5.EB	Type 2 /Type 2 (<9.0m)	995	15	3.0m Curved Pipe Outreach	IE3.0CPS/25	991	15	5°	PR5	6.5m	Black	Blacktown City Council
New	297657 - 297671	981519- 981533	17W StreetLED (Gerard)	JLB99G05L17	889	15	4.5m Enlarged Base Column	IE/4.5.EB	Type 2 /Type 2 (<9.0m)	995	15	3.0m Curved Pipe Outreach	IE3.0CPS/25	991	15	5°	PR5	6.5m	Black	Blacktown City Council
New	297672 - 297677	981535- 981540	17W StreetLED (Gerard)	JLB99G05L17	889	6	4.5m Enlarged Base Column	IE/4.5.EB	Type 2 /Type 2 (<9.0m)	995	6	3.0m Curved Pipe Outreach	IE3.0CPS/25	991	6	5°	PR5	6.5m	Black	Blacktown City Council

AMENDMENTS ORIGINAL ISSUE DRAFT No. 01	powerlinedesign POWER LINE DESIGN PTY LTD PO BOX 338 Mittagong NSW 2575 Ph (02) 4872 1920 Fax (02) 4872 1240 Accredited Designer Number 2088 / ABN: 33107 591 846	The preparation of this design has been undertaken giving due consideration to the existing services. The project constructor is wholly responsible for verifying the exact location of existing services and permanent survey marks prior to commencing construction. No responsibility or liability will be accepted by the designer of this project for damage to existing services as a result of this design.	© 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. TEMPLATE VERSION No. 310	Reference Drawings	Work Orders	CAMS File No.	URS25542	ORIGINAL SCALE 1:1000	DO NOT SCALE	Off Richmond Road MARSDEN PARK URS25542 Stage 7D Electrical Reticulation	Endeavour Energy	
				552557A	PLT1390 - Electrical Reticulation	General	AM Project No.					HV Switching
				522559A	URS25542 - Duct Trench & Easement	Underground	EE Region	Northern	Date	14-2-2022		
						Substations	HV OP Diagram	Marsden Park	Ch'd	Michael J.B	Design	Michael J.B
							Local Government Area	Blacktown City				



Site Plan

Scale 1:1000

WORK COMPLETED / FIELD BOOK

CONSTRUCTED BY C.J. DOYLE CONTRACTING

WORKS COMPLETED CHRIS JOWETT

SIGNATURE C.JOWETT DATE 08/09/22

INSPECTED BY MICHAEL WEIR

SIGNATURE _____ DATE _____

ASSET RECORDING

I STEVE FRIDAY

OF C.J. DOYLE CONTRACTING

CONTACT No 8784-1922

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

SIGNATURE STEVE FRIDAY DATE 08/09/22

Establish Proposed PMS No. 55635

- Transformer: 500kVA (11000-433V).
- HV Switchgear: ABB SAFELINK, Type: "RTRR".
- HV Fuses: 12kV, 50Amp (Full Range).
- LV Switchgear: Weber CAT 1, Config: "FFIFF".
- LV Fuses: LV 250A (DIN, size 2)
- Cubicle: Size 14.
- Earthing: Common (refer Earth Design).

Establish Proposed PMS No. 55634

- Transformer: 500kVA (11000-433V).
- HV Switchgear: ABB SAFELINK, Type: "RTRR".
- HV Fuses: 12kV, 50Amp (Full Range).
- LV Switchgear: Weber CAT 1, Config: "FFIFF".
- LV Fuses: LV 250A (DIN, size 2)
- Cubicle: Size 14.
- Earthing: Common (refer Earth Design).

Establish Proposed PMS No. 55633

- Transformer: 500kVA (11000-433V).
- HV Switchgear: ABB SAFELINK, Type: "RTRR".
- HV Fuses: 12kV, 50Amp (Full Range).
- LV Switchgear: Weber CAT 1, Config: "FFIFF".
- LV Fuses: LV 250A (DIN, size 2)
- Cubicle: Size 14.
- Earthing: Common (refer Earth Design).

LEGEND

- Existing Underground Cable/s
- Existing Conduits (Ducts)
- Proposed New Conduits (Ducts)
- Street Light Trenching
- Low Voltage Trenching
- High Voltage Trenching
- Lay 40mm P.V.C. Service Conduits
- Existing Service Mains
- Pillar Excavation Location
- Existing Pillar
- Proposed Column Excavation location
 - 4.5m Enlarged Base Column & 3.0m Eden Outreach
 - Type 2 Ragbolt (Type 2 Footing)
 - Colour Powdercoated Black
- Existing Column
- Proposed New Streetlight Lantern
- Existing Streetlight Lantern
- Proposed New Padmount Substation
- Existing Padmount Substation
- Point Indicator
- Lot Less Than 350m2 (ADMD 5.0kVA/Lot)

Trench Length

High Voltage Trenching	1195m
Low Voltage Trenching	941m
Street Light Trenching	17m
Road Crossing	602m
Total	2755m

Certified by Endeavour Energy

Amendment: _____

Date Approved: _____

Examiner's Signature: _____

Print Name: _____

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

DIAL BEFORE YOU DIG

Ref: 20795600	Date: 16 December, 2020
DBVD searches indicates the presence of services within the proposed work-site. The Level 1 ASP /Constructor is to confirm the location of "all" services prior to the commencement of works.	

Caution

A current services search of all utilities must be carried out prior to the commencement of works.

Caution

Existing live electrical assets located in this vicinity, appropriate safety precautions must be utilized.

Caution

Telstra assets in this area. Constructor to contact Telstra on ph 1800 653 935 prior to the commencement of works.

Caution

High Pressure Gas Assets in this area. constructor to contact Jemena on ph 1300 665 380 prior to the commencement of works.

PLT1390

Installs Streetlighting along Abell Road. This project will be constructed concurrently with this project. Refer to Endeavour Energy Drawing No. 552557A for details

LAI IN CONJUNCTION WITH URS25540, PLT1389 & PLT1390

Cable Lengths

Cable Lengths specified on this design have been calculated utilising 2 dimensional data to align with Endeavour Energy's AVS. The constructor will need to allow for additional cable to cater for topographic influences as well as cable terminations, cable setting, and vertical indifference.

Existing Conduits

All conduits are to be mandrelled, proven clear, free of foreign material, and deformation prior to the installation of cables.

Proposed Ducts/Conduits

All Proposed 125mm ducts / conduits are to have a minimum 750mm cover. (in accordance with MD10028)

Painting of Columns

Local council requires a certificate from the manufacturer supplied confirming the power coated columns are in accordance with the requirements of AS/NZ 4506-2005.

Streetlight LV Supply

All active conductors extending from LV pillars to service streetlight columns to be fitted with a 16A in line fuse.

Streetlight Columns

All streetlight columns are to be installed 350mm from the property boundaries unless otherwise indicated.

Final Ground Level

The constructor is to confirm finished ground level with the developer prior to the commencement of construction.

Route Lengths

All route lengths are to be confirmed on site by the constructor prior to ordering materials.

Pollution

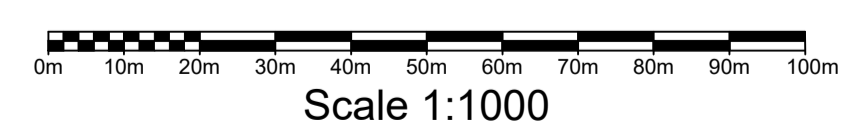
Requirements of the environmental protection authority pollution control legislation is to be strictly adhered to.

Service Ducts

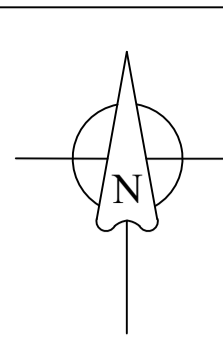
The end of service ducts must not be placed under proposed driveways. (Refer to Developers Representative for details for details)

Service Work

All service works to be carried out by an authorized level 2 ASP in accordance with the New South Wales Service & Installation Rules, Australian Standards and all other relevant standards. #4216



AMENDMENTS ORIGINAL ISSUE DRAFT No. 01	powerlinedesign POWER LINE DESIGN PTY LTD PO BOX 338 Mittagong NSW 2575 Ph (02) 4872 1920 Fax (02) 4872 1240 Accredited Designer Number 2068 / ABN 33 107 591 846 PLD Ref: 3839	The preparation of this design has been undertaken giving due consideration to the existing services. The project constructor is wholly responsible for verifying the exact location of existing services and permanent survey marks prior to commencing construction. No responsibility or liability will be accepted by the designer of this project for damage to existing services as a result of this design.	© THIS DRAWING AND THE COPYRIGHT THEREIN IS THE PROPERTY OF ENDEAVOUR ENERGY AND MAY NOT BE COPIED, REPRODUCED, DISTRIBUTED, LAINED OR USED WITHOUT THE WRITTEN CONSENT OF ENDEAVOUR ENERGY TEMPLATE VERSION No. 319	Reference Drawings	Work Orders	CAMS File No.	URS25542	ORIGINAL SCALE 1:1000	DO NOT SCALE	Off Richmond Road MARSDEM PARK URS25542 Stage 7D Electrical Reticulation	Endeavour Energy
				552557A PLT1390 - Electrical Reticulation	General Overhead	AM Project No.	URS25542				
				552559A URS25542 - Duct Trench & Easement	Underground Substations	EE Depot	Glendenning	Date	14-2-2022		A1
						EE Region	Northern	Ch'd	Michael.j.B	Design	Michael.j.B
						Local Government Area	Blacktown City				



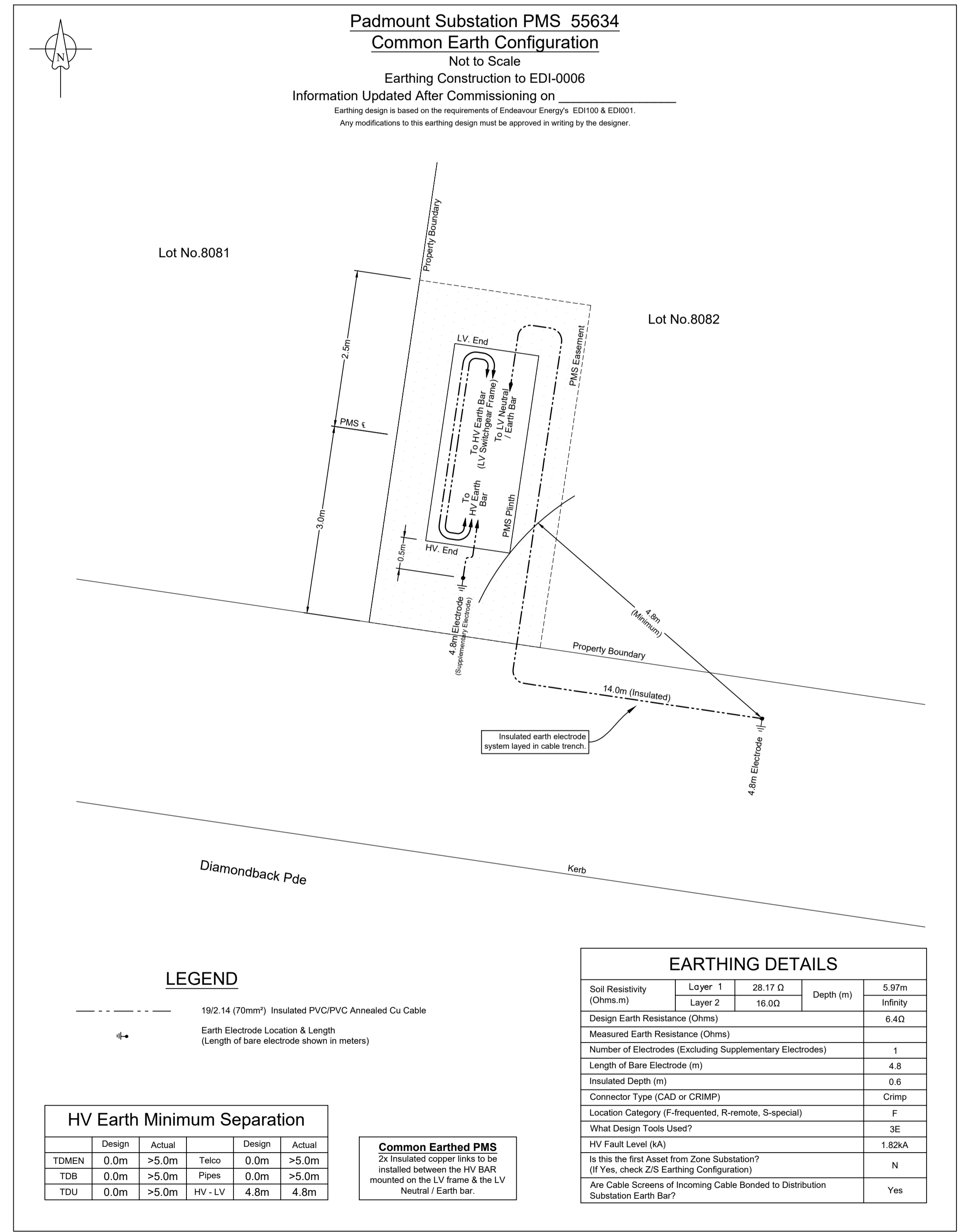
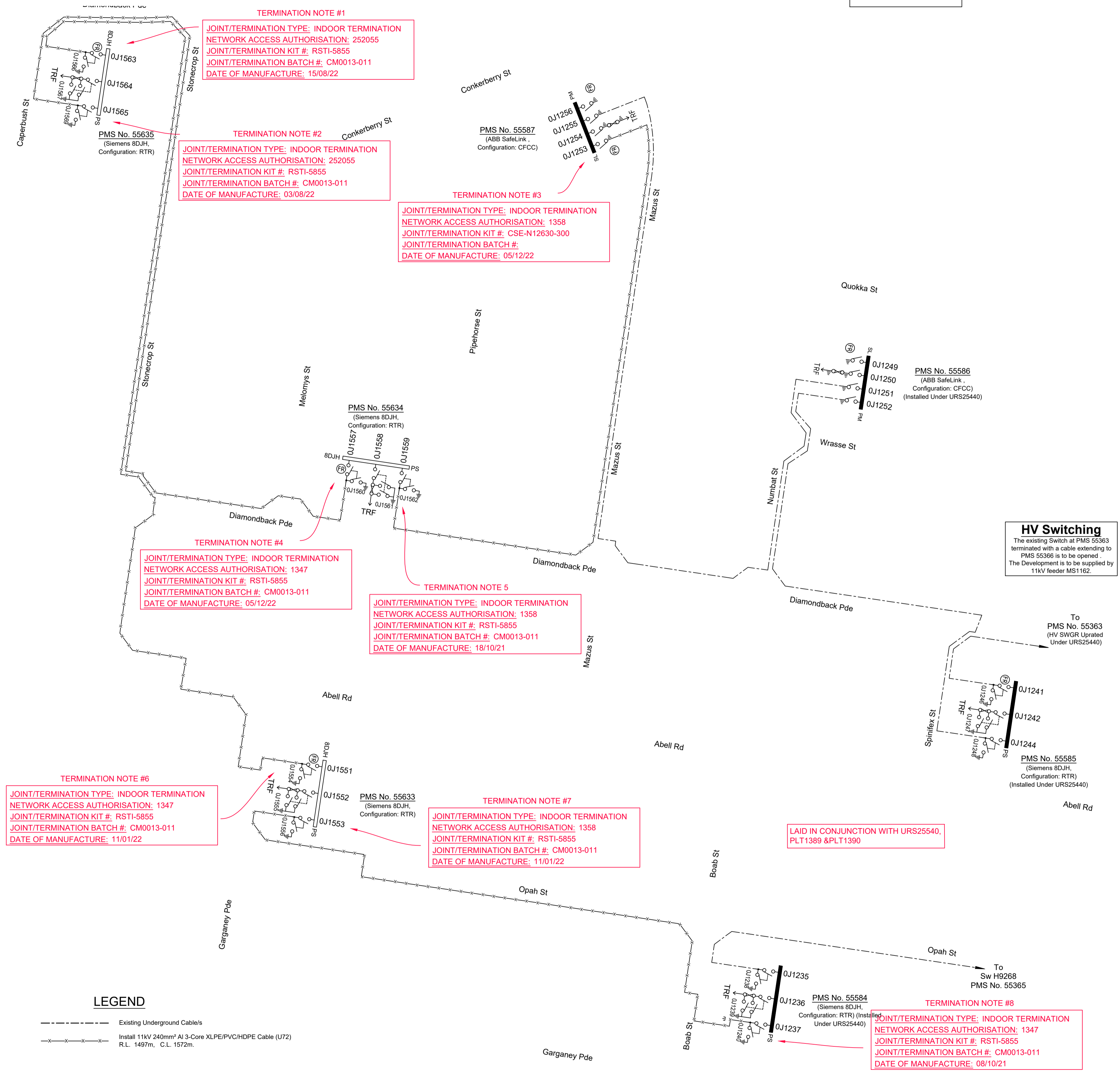
Final HV Circuit

Not to Scale
11kV Area

South Marsden Park ZS
Reference: (G-9)
Feeder: MS1162 "Northborne Dr"
Fault level @ SUB 54759: 5.25kA

Certified by Endeavour Energy
Amendment: _____
Date Approved: _____
Examiner's Signature: _____
Print Name: _____
This Certification is issued subject to Endeavour Energy's Standard Certification Terms.

WORK COMPLETED / FIELD BOOK
CONSTRUCTED BY: C.J. DOYLE CONTRACTING
WORKS COMPLETED: CHRIS JOWETT
SIGNATURE: C.JOWETT DATE 08/09/22
INSPECTED BY: MICHAEL WEIR
SIGNATURE: _____ DATE _____
ASSET RECORDING
I: STEVE FRIDAY
OF: C.J. DOYLE CONTRACTING
CONTACT No: 8784-1922
HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD SAD 0004.
SIGNATURE: STEVE FRIDAY DATE: 08/09/22



LEGEND
19/2.14 (70mm²) Insulated PVC/PVC Annealed Cu Cable
Earth Electrode Location & Length (Length of bare electrode shown in meters)

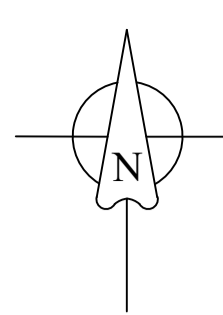
HV Earth Minimum Separation

	Design	Actual	Design	Actual	
DMEN	0.0m	>5.0m	Telco	0.0m	>5.0m
TDB	0.0m	>5.0m	Pipes	0.0m	>5.0m
TDU	0.0m	>5.0m	HV - LV	4.8m	4.8m

EARTHING DETAILS

Soil Resistivity (Ohms.m)	Layer 1	28.17 Ω	Depth (m)	5.97m
	Layer 2	16.0Ω		Infinity
Design Earth Resistance (Ohms)				6.4Ω
Measured Earth Resistance (Ohms)				
Number of Electrodes (Excluding Supplementary Electrodes)				1
Length of Bare Electrode (m)				4.8
Insulated Depth (m)				0.6
Connector Type (CAD or CRIMP)				Crimp
Location Category (F-frequented, R-remote, S-special)				F
What Design Tools Used?				
HV Fault Level (kA)				1.62kA
Is this the first Asset from Zone Substation? (If Yes, check Z/S Earthing Configuration)				N
Are Cable Screens of Incoming Cable Bonded to Distribution Substation Earth Bar?				Yes

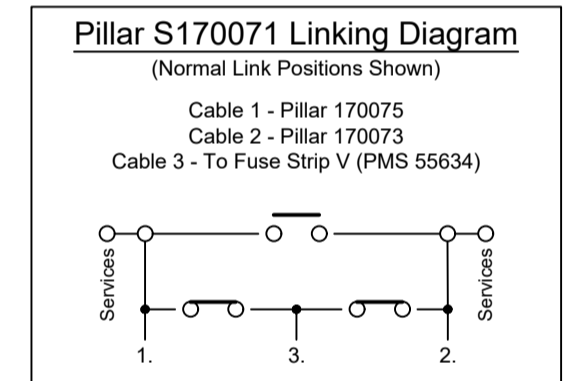
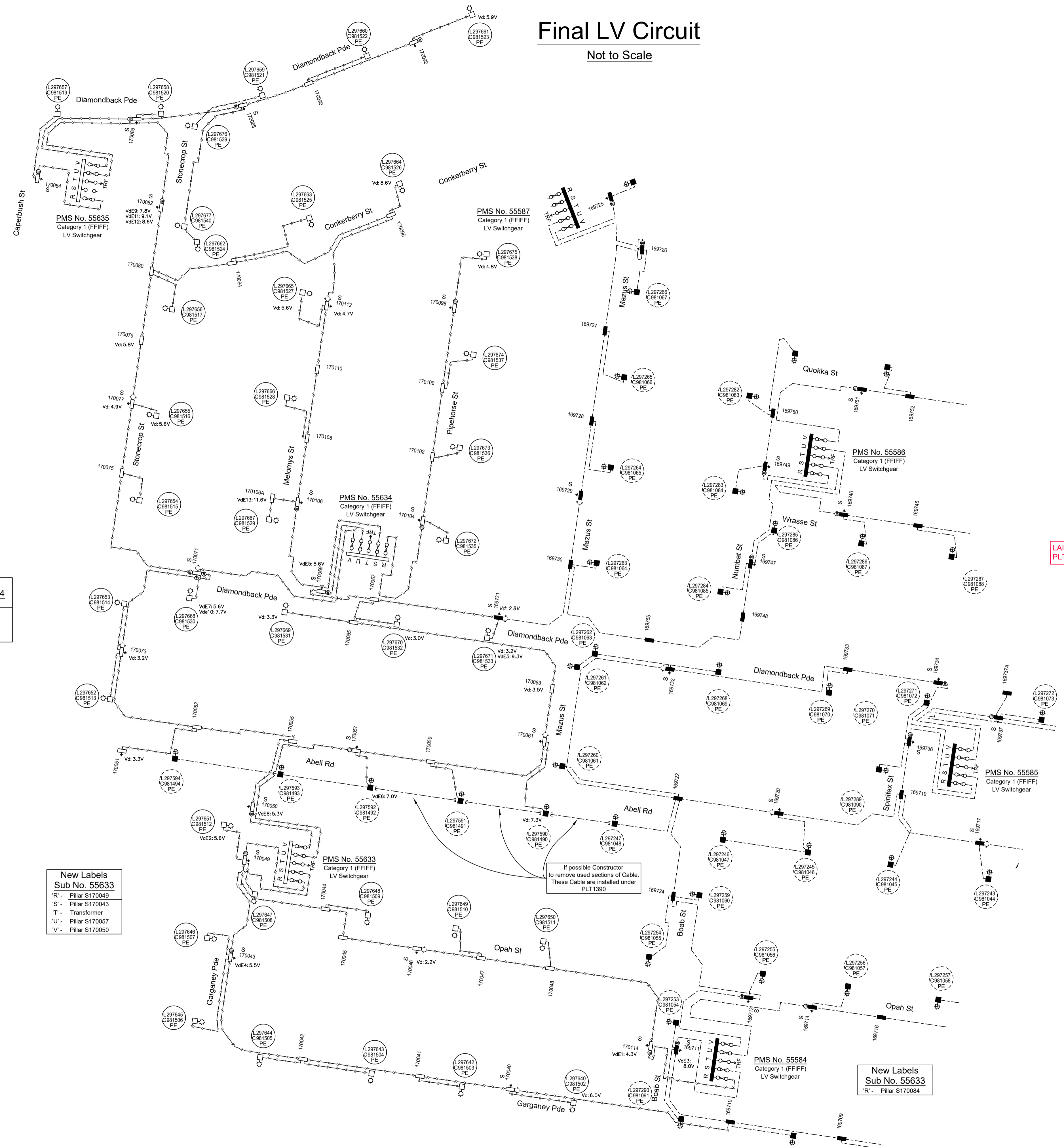
LEGEND
--- Existing Underground Cables/
--- Install 11kV 240mm² Al 3-Core XLPE/PVC/HDPE Cable (U72)
R.L. 1497m, C.L. 1572m.



Final LV Circuit

Not to Scale

**New Labels
Sub No. 55635**
 'R' - Pillar S170084
 'S' - Spare 'Future'
 'T' - Transformer
 'U' - Pillar S170082
 'V' - Pillar S170086



**New Labels
Sub No. 55634**
 'R' - Pillar S170104
 'S' - Pillar S170106
 'T' - Transformer
 'U' - Pillar S170069
 'V' - Pillar S170071

**New Labels
Sub No. 55633**
 'R' - Pillar S170049
 'S' - Pillar S170043
 'T' - Transformer
 'U' - Pillar S170057
 'V' - Pillar S170050

**New Labels
Sub No. 55633**
 'R' - Pillar S170084

WORK COMPLETED / FIELD BOOK
 CONSTRUCTED BY C.J. DOYLE CONTRACTING
 WORKS COMPLETED CHRIS JOWETT
 SIGNATURE C.J. JOWETT DATE 08/09/22
 INSPECTED BY MICHAEL WEIR
 SIGNATURE _____ DATE _____

ASSET RECORDING
 I STEVE FRIDAY
 OF C.J. DOYLE CONTRACTING
 CONTACT No 8784-1922
 HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT
 ON THIS DRAWING HAVE BEEN RECORDED AS PER
 ENDEAVOUR ENERGY STANDARD SAD 0004.
 SIGNATURE STEVE FRIDAY DATE 08/09/22

Certified by Endeavour Energy
 Amendment: _____
 Date Approved: _____
 Examiner's Signature: _____
 Print Name: _____
 This Certification is issued subject to Endeavour Energy's
 Standard Certification Terms.

LAI IN CONJUNCTION WITH URS25540,
 PLT1389 & PLT1390

LEGEND

- Existing Underground Cables,
- Install 240mm² Al 4-Core XLPE/PVC Cable (T84)
R.L. 2617m, C.L. 2813m,
- Install 50mm² Cu 4-Core XLPE/PVC Cable (T94)
R.L. 838m, C.L. 90m,
- Install 1x 16mm² Cu 2-Core XLPE/PVC Cable
In 50mm Conduit and a Spare 50mm Conduit.
R.L. 270m, C.L. 296m,
- LV Isolation Switch/Links (N/O)
- LV Isolation Switch/Links (N/C)
- Pillar Earth
- Proposed New Street Light Lantern - 17W StreetLED
- Lantern Number - Proposed Asset
Column Number - Proposed Asset
(PE Controlled)
- Lantern Number - Existing Asset
Column Number - Existing Asset
(PE Controlled)

Legend for LV Voltage Drop

Voltage Drop Calculations Based on an ADMO of 5kVA/lot for lots less than 350m² and 6.5kVA/lot for lots 350m² and greater.
 Vd = Voltage drop for normal supply @ 100% ADM
 Emergency / backup voltage drop @ 60% of ADM

	Source Substation - Fuse Strip	Backed Up Substation - Fuse Strip
VdE1	PMS 55633_R	PMS 55584_R
VdE2	PMS 55633_R	PMS 55633_U
VdE3	PMS 55633_S	PMS 55584_S
VdE4	PMS 55633_S	PMS 55633_U
VdE5	PMS 55633_U	PMS 55633_U
VdE6	PMS 55633_U	PMS 55633_U
VdE7	PMS 55633_V	PMS 55633_V
VdE8	PMS 55633_V	PMS 55633_V
VdE9	PMS 55633_V	PMS 55633_V
VdE10	PMS 55633_U	PMS 55633_U
VdE11	PMS 55633_S	PMS 55633_U
VdE12	PMS 55633_S	PMS 55633_U
VdE13	PMS 55633_U	PMS 55633_S

AMENDMENTS
 ORIGINAL ISSUE
 DRAFT No. 01

powerlinedesign
 POWER LINE DESIGN PTY LTD
 PO BOX 338 Mittagong NSW 2575
 Ph (02) 4872 1920 Fax (02) 4872 1240
 Accredited Designer Number 2088 / ABN: 33107 591 846

The preparation of this design has been undertaken giving due consideration to the existing services. The project contractor is wholly responsible for verifying the exact location of existing services and permanent survey marks prior to commencing construction. No responsibility or liability will be accepted by the designer of this project for damage to existing services as a result of this design.
 PLD Ref: 3839

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 TEMPLATE VERSION No. 319

Reference Drawings	Work Orders	CAMS File No.	URS25542
552557A	General	AM Project No.	
552559A	Underground	HV Switching	
	Substations	EE Depot	Glendenning
		EE Region	Northern
		HV OP Diagram	Marsden Park
		Local Government Area	Blacktown City

ORIGINAL SCALE	DO NOT SCALE
1:1000	Dimensions in Meters
Drawn Michael J.B	
Date 14-2-2022	
Ch'd Michael J.B	Design Michael J.B

Off Richmond Road
 MARSDEN PARK
 URS25542
 Stage 7D
 Electrical Retulation

Endeavour Energy
 A1 **522560** A
 SHEET No 4 OF 10 SHEETS

Duct Breakdown Table										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
✓ 1A → 1B	Existing Footpath Trenching	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1B → 1C	Existing Road Crossing	26m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1C → 1D	LV Trenching in Cable Alignment	25m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1D → 1E	LV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1E → 1F	LV Trenching in Cable Alignment	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1F → 1G	LV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1G → 1H	LV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1H → 1I	LV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1I → 1J	LV Trenching in Cable Alignment	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1J → 1K	LV Trenching in Cable Alignment	25m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1K → 1L	LV Trenching in Cable Alignment	29m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1L → 1M	LV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1M → 1N	LV Trenching in Cable Alignment	7m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1O → 1P	HV Trenching in Cable Alignment	35m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1P → 1Q	HV Trenching in Cable Alignment	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
✓ 1Q → 1R	HV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1R → 1S	HV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1S → 1T	HV Trenching in Cable Alignment	74m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1U → 1V	HV Trenching in Cable Alignment Adjacent Existing	2m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2C → 2D	LV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2D → 2E	HV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2E → 2F	HV Trenching in Cable Alignment	34m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2F → 2G	HV Trenching in Cable Alignment	17m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2G → 2H	HV Trenching in Cable Alignment	13m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2H → 2I	LV Trenching in Cable Alignment	13m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2I → 2J	LV Trenching in Cable Alignment	18m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3A → 3B	HV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3B → 3C	HV Trenching in Cable Alignment	39m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3C → 3D	HV Trenching in Cable Alignment	7m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3D → 3E	HV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
✓ 3E → 3F	HV Trenching in Cable Alignment	5m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3F → 3G	HV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3G → 3H	HV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3H → 3I	HV Trenching in Cable Alignment	34m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3I → 3J	LV Trenching in Cable Alignment	18m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3J → 3K	LV Trenching in Cable Alignment	25m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3K → 3L	LV Trenching in Cable Alignment	42m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3L → 3M	LV Trenching in Cable Alignment	45m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3M → 3N	LV Trenching in Cable Alignment	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3N → 3O	LV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3O → 3R	HV Trenching in Cable Alignment	8m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3R → 3S	HV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3S → 3T	HV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3T → 3A	HV Trenching in Cable Alignment	31m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 4A → 4B	HV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

WORK COMPLETED / FIELD BOOK

CONSTRUCTED BY C.J. DOYLE CONTRACTING

WORKS COMPLETED CHRIS JOWETT

SIGNATURE C.J. DOYLE CONTRACTING DATE 08/09/22

INSPECTED BY MICHAEL WEIR

SIGNATURE _____ DATE _____

ASSET RECORDING

I, STEVE FRIDAY

OF C.J. DOYLE CONTRACTING

CONTACT No. 8784-1922

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

SIGNATURE STEVE FRIDAY DATE 08/09/22

Certified by Endeavour Energy

Amendment: _____

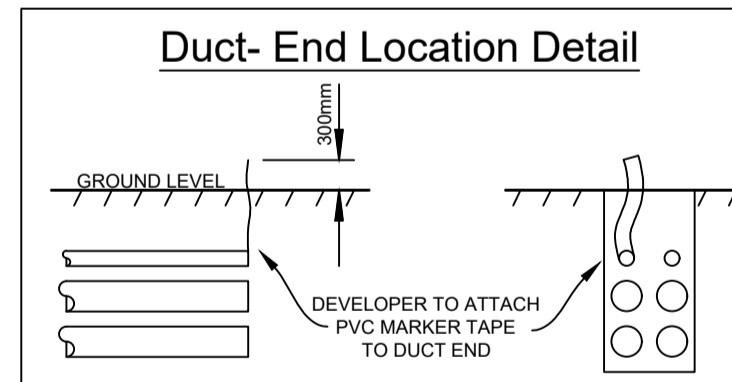
Date Approved: _____

Examiner's Signature: _____

Print Name: _____

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

LAIN IN CONJUNCTION WITH URS25540, PLT1389 & PLT1390



Conduit / Cable Legend

- LV Cable - Direct Buried.
- HV Cable - Direct Buried.
- 50mm Duct - Spare.
- 50mm Duct - with Existing Cable.
- 50mm Duct - with New SL Cable.
- 125mm Duct - with Existing LV Cable.
- 125mm Duct - with Existing HV Cable.
- 125mm Duct - with New LV Cable.
- 125mm Duct - with New HV Cable.
- 125mm Duct - Spare.

3I → 3M

Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
4B → 4C	HV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4G → 4H	LV Trenching in Cable Alignment	8m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4H → 4I	LV Trenching in Cable Alignment	26m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4I → 4J	LV Trenching in Cable Alignment	27m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4J → 4K	LV Trenching in Cable Alignment	12m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4M → 4N	LV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4O → 4A	HV Trenching in Cable Alignment	7m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4P → 4Q	HV Trenching in Cable Alignment	34m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4Q → 4R	HV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4R → 4S	HV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4S → 4T	HV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4T → 4U	HV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4U → 5D	HV Trenching in Cable Alignment	41m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5A → 5B	HV Trenching in Cable Alignment	31m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5B → 5C	HV Trenching in Cable Alignment	36m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
5C → 5D	HV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5E → 5F	HV Trenching in Cable Alignment	13m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5F → 5G	HV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5G → 5H	HV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5H → 5I	HV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5I → 5J	HV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5J → 5K	HV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5E → 5L	LV Trenching in Cable Alignment	9m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5L → 5M	LV Trenching in Cable Alignment	46m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5M → 5N	SL Trenching in Cable Alignment	7m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5O → 5P	LV Trenching in Cable Alignment	13m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6A → 6B	HV Trenching in Cable Alignment	18m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6B → 6C	HV Trenching in Cable Alignment	19m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6C → 6D	HV Trenching in Cable Alignment	7m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6D → 6E	HV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
6E → 6F	LV Trenching in Cable Alignment	40m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6F → 6G	LV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6G → 6H	LV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6H → 6I	LV Trenching in Cable Alignment	13m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6I → 6J	LV Trenching in Cable Alignment	25m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6J → 6K	LV Trenching in Cable Alignment	25m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6L → 6M	LV Trenching in Cable Alignment	5m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6M → 6N	LV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6N → 6O	LV Trenching in Cable Alignment	25m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6O → 6P	LV Trenching in Cable Alignment	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6P → 6Q	LV Trenching in Cable Alignment	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6Q → 6R	LV Trenching in Cable Alignment	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6R → 6S	LV Trenching in Cable Alignment	13m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6S → 6T	LV Trenching in Cable Alignment	30m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
6T → 6A	LV Trenching in Cable Alignment	33m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

WORK COMPLETED / FIELD BOOK

CONSTRUCTED BY: **C.J. DOYLE CONTRACTING**

WORKS COMPLETED: **CHRIS JOWETT**

SIGNATURE: **C.J. JOWETT** DATE: **08/09/22**

INSPECTED BY: **MICHAEL WEIR**

SIGNATURE: _____ DATE: _____

ASSET RECORDING

I, **STEVE FRIDAY**

OF **C.J. DOYLE CONTRACTING**

CONTACT NO. **8784-1922**

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

SIGNATURE **STEVE FRIDAY** DATE **08/09/22**

Certified by Endeavour Energy

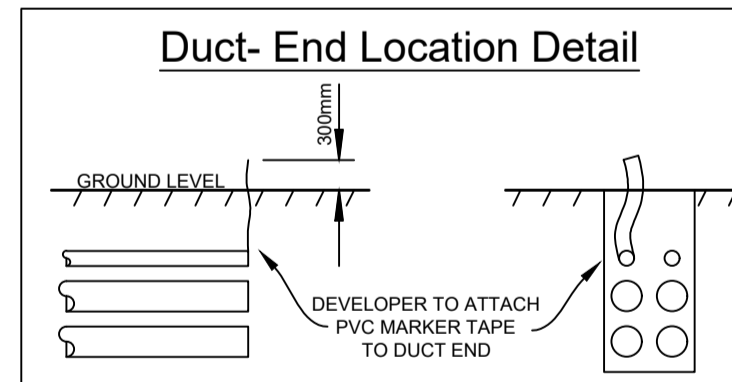
Amendment: _____

Date Approved: _____

Examiner's Signature: _____

Print Name: _____

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



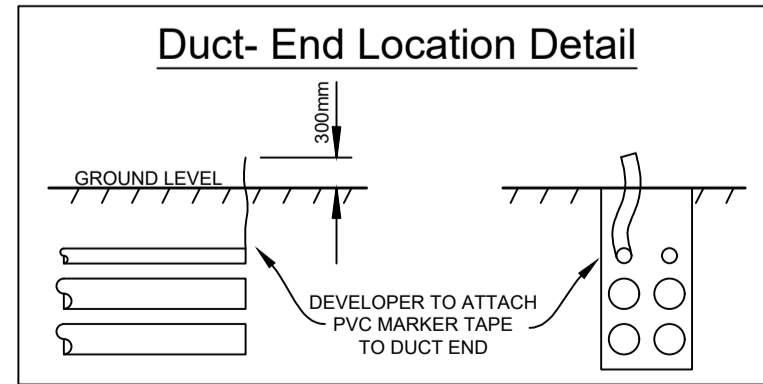
Conduit / Cable Legend

- LV Cable - Direct Buried.
- HV Cable - Direct Buried.
- 50mm Duct - Spare.
- 50mm Duct - with Existing Cable.
- 50mm Duct - with New SL Cable.
- 125mm Duct - with Existing LV Cable.
- 125mm Duct - with Existing HV Cable.
- 125mm Duct - with New LV Cable.
- 125mm Duct - with New HV Cable.
- 125mm Duct - Spare.

Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
✓ 7D → 7E	LV Trenching in Cable Alignment	7m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7F → 7G	HV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7G → 7H	Existing Ducts in Footpath Allocation	31m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7H → 7I	Existing Ducts in Footpath Allocation	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7I → 7J	Existing Ducts in Footpath Allocation	45m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7J → 7K	Existing Ducts in Footpath Allocation	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7K → 7L	Existing Ducts in Footpath Allocation	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7L → 7M	Existing Ducts in Footpath Allocation	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7M → 7N	Existing Ducts in Footpath Allocation	42m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 7N → 7O	Existing Ducts in Footpath Allocation	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ C → D	HV Trenching in Cable Alignment	31m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ D → E	Existing Ducts in Footpath Allocation	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ E → F	HV Trenching in Cable Alignment	23m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ M → N	Existing Ducts in Footpath Allocation	10m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1N → 10	LV Trenching in Cable Alignment	45m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
✓ 1B → 1C	Existing Road Crossing	26m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1K → A	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1M → B	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1N → 2F	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
1O → 2D	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
1Q → 2B	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
1S → 2A	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 1T → 1U	Existing Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
2H → C	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 2J → 3C	New Road Crossing	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
2K → 3F	New Road Crossing	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
2L → 3H	New Road Crossing	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
3A → E	New Road Crossing	20m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3L → 7G	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

Certified by Endeavour Energy
 Amendment: _____
 Date Approved: _____
 Examiner's Signature: _____
 Print Name: _____
 This Certification is issued subject to Endeavour Energy's Standard Certification Terms.



Duct Breakdown Table - Continued										
Route	Configuration	Route Length	Duct Re-Imbursement				Duct Usage Charge			
			No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)	No. of 50mm Ducts	Amount (@ \$8/m)	No. of 125mm Ducts	Amount (@ \$27/m)
3N → 6C	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3P → 4B	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3Q → 4A	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 3S → G	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4C → 6A	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4D → 6T	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4E → 6R	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 4F → 6P	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4G → 6N	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 4H → 5O	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
4J → 4T	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 4L → 4R	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 4M → 4Q	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
✓ 4O → 4P	New Road Crossing	16m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
5D → 5E	New Road Crossing	28m	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00	0	\$ 0.00
Sub Totals			0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0
Running Total				\$ 0		\$ 0		\$ 0		\$ 0

WORK COMPLETED / FIELD BOOK
 CONSTRUCTED BY **C.J. DOYLE CONTRACTING**
 WORKS COMPLETED BY **CHRIS JOWETT**
 SIGNATURE: **C.J. DOYLE** DATE: **08/09/22**
 INSPECTED BY **MICHAEL WEIR**
 SIGNATURE: _____ DATE: _____
ASSET RECORDING
 I, **STEVE FRIDAY**
 OF **C.J. DOYLE CONTRACTING**
 CONTACT No. **8784-1922**
 HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD SAD 0004.
 SIGNATURE **STEVE FRIDAY** DATE **08/09/22**

Conduit / Cable Legend

- LV Cable - Direct Buried.
- HV Cable - Direct Buried.
- 50mm Duct - Spare.
- 50mm Duct - with Existing Cable.
- 50mm Duct - with New SL Cable.
- 125mm Duct - with Existing LV Cable.
- 125mm Duct - with Existing HV Cable.
- 125mm Duct - with New LV Cable.
- 125mm Duct - with New HV Cable.
- 125mm Duct - Spare.

WAE SURVEY COORDINATE TABLE - MGA 94								
NODE ID #	QUALITY LEVEL	ASSET TYPE	PROPERTY LINE	COVER	NOTES	EASTING	NORTHING	REDUCED/SURFACE LEVEL
21	A	ROUTE	0.99	-0.75		295149.28	6268557.12	24.72
22	A	SPLAY ROUTE	0.85	-0.75		295174.3	6268553.56	24.82
23	A	DUCT CROSSING	NA	NA		295175.03	6268553.39	24.86
24	A	DUCT END	0.89	-0.75		294990.33	6268620.98	22.05
26	A	DUCT END	0.93	-0.75		294986.25	6268593.7	22.65
27	A	DUCT CROSSING	NA	NA		294986.4	6268594.32	22.52
29	A	SPLAY ROUTE	0.99	-0.75		294986.67	6268588.51	22.87
31	A	SPLAY ROUTE	0.99	-0.75		294992.09	6268581.15	23.11
32	A	SPLAY ROUTE	0.99	-0.75		294996.68	6268579.38	23.17
35	A	ROUTE	0.99	-0.75		295023.54	6268575.43	23.37
36	A	ROUTE	0.82	-0.75		295077.63	6268567.71	23.94
37	A	ROUTE	0.83	-0.75		295119.83	6268561.53	24.45
67	A	ROUTE	0.52	-0.75		295108.16	6268634.88	22.25
68	A	ROUTE	0.81	-0.75		295095.76	6268636.43	22.13
69	A	ROUTE	0.71	-0.75		295085.71	6268637.96	22.16
70	A	DUCT CROSSING	NA	NA		295095.61	6268636.36	21.91
76	A	ROUTE	0.63	-0.75		295147.48	6268628.96	22.73
77	A	ROUTE	0.81	-0.75		295137.69	6268630.21	22.47
78	A	DUCT CROSSING	NA	NA		295137.55	6268630.15	22.25
79	A	ROUTE	0.81	-0.75		295127.93	6268631.7	22.68
81	A	ROUTE	0.84	-0.75		295159.26	6268612.52	23.09
82	A	SPLAY ROUTE	0.81	-0.75		295182.66	6268609.01	23.44
83	A	SPLAY ROUTE	0.89	-0.75		295187.57	6268602.57	23.74
84	A	ROUTE	0.82	-0.75		295184.1	6268581	24.07
85	A	DUCT CROSSING	NA	NA		295184.17	6268580.88	24.08
175	A	DUCT CROSSING	NA	NA		295138.03	6268615.87	22.4
176	A	ROUTE	0.98	-0.75		295137.99	6268615.83	22.69
178	A	ROUTE	0.99	-0.75		295105.83	6268620.59	22.34
179	A	DUCT CROSSING	NA	NA		295095.84	6268622.04	21.99
181	A	ROUTE	0.81	-0.75		295076.09	6268624.88	22.18
184	A	DUCT CROSSING	NA	NA		295041.64	6268630.01	21.45
186	A	DUCT END	0.89	-0.75		295041.65	6268629.98	21.62
190	A	ROUTE	0.47	-0.75		295066.1	6268641.17	22.1
191	A	ROUTE	0.81	-0.75		295053.62	6268642.63	21.71
192	A	DUCT END	0.81	-0.75		295043.19	6268644.25	21.56
193	A	ROUTE	0.81	-0.75		295024.51	6268646.99	21.6
194	A	DUCT CROSSING	NA	NA		295000.65	6268650.41	20.85
195	A	SPLAY ROUTE	0.81	-0.75		294999.95	6268651.34	21.19
196	A	DUCT CROSSING	NA	NA		294995.61	6268657.11	21.17
197	A	SPLAY ROUTE	0.81	-0.75		294995.95	6268657.57	21.51
198	A	DUCT END	0.81	-0.75		294996.79	6268664.19	21.37
199	A	DUCT END	0.6	-0.75		294997.38	6268666.93	21.38
200	A	DUCT END	0.81	-0.75		294998.95	6268679.1	20.93
201	A	DUCT CROSSING	NA	NA		294998.93	6268679.29	21.03
202	A	DUCT END	0.81	-0.75		295000.85	6268691.76	21.03
203	A	SPLAY ROUTE	0.81	-0.75		295002.53	6268702.06	20.91
206	A	ROUTE	0.89	-0.75		295062.02	6268698.74	21.48
287	A	DUCT CROSSING	NA	NA		294998.65	6268636.36	21.28
289	A	DUCT CROSSING	NA	NA		294991.84	6268631.11	21.74
290	A	SPLAY ROUTE	0.81	-0.75		294998.41	6268636.31	21.4
291	A	DUCT END	0.84	-0.75		294991.97	6268631.54	21.83
295	A	DUCT END	0.83	-0.75		295008.53	6268706.5	21.09
296	A	ROUTE	0.80	-0.75		295042.15	6268701.56	21.43
303	A	ROUTE	0.80	-0.75		295094.1	6268693.81	21.61
304	A	ROUTE	0.80	-0.75		295148.64	6268685.8	21.81
305	A	ROUTE	0.81	-0.75		295127.63	6268688.89	21.58
306	A	ROUTE	0.83	-0.75		295138.74	6268687.35	21.7
307	A	DUCT CROSSING	NA	NA		295128.44	6268688.9	21.36
308	A	DUCT CROSSING	NA	NA		295094.17	6268693.97	21.43
309	A	DUCT CROSSING	NA	NA		295052.03	6268700.24	21.25
310	A	DUCT CROSSING	NA	NA		295009.01	6268706.6	21.1
339	A	DUCT CROSSING	NA	NA		294977.83	6268633.23	21.88
340	A	ROUTE	0.52	-0.75		294977.44	6268633.22	21.98
342	A	DUCT CROSSING	NA	NA		295043.46	6268644.08	21.24
343	A	EARTH STAKE	0.16	-0.75		294998.33	6268670.24	21.16
347	A	DUCT END	0.8	-0.75		295167.39	6268683.07	21.76
348	A	DUCT CROSSING	NA	NA		295127.06	6268707.44	21.3
349	A	DUCT CROSSING	NA	NA		295126.57	6268707.58	21.28
350	A	DUCT END	0.88	-0.75		295126.26	6268707.62	21.18
351	A	ROUTE	0.86	-0.75		295102.66	6268711.18	21.61
352	A	DUCT CROSSING	NA	NA		295012.7	6268724.44	21.2
353	A	DUCT CROSSING	NA	NA		295092.83	6268712.64	21.29
356	A	ROUTE	0.99	-0.75		295082.87	6268713.96	21.7
358	A	DUCT CROSSING	NA	NA		295053.22	6268718.73	21.35
359	A	ROUTE	0.99	-0.75		295048.21	6268719.09	21.49
361	A	ROUTE	0.99	-0.75		295018.48	6268723.49	21.32

363	A	ROUTE	0.99	-0.75		294973.9	6268730.23	20.93
364	A	DUCT CROSSING	NA	NA		294963.98	6268730.48	20.52
365	A	DUCT END	0.81	-0.75		294963.42	6268731.8	20.72
366	A	DUCT CROSSING	NA	NA		294984.87	6268681.53	21.15
367	A	ROUTE	0.55	-0.75		294984.62	6268682.28	21.03
369	A	SPLAY ROUTE	0.81	-0.75		294988.15	6268703.74	20.7
370	A	DUCT CROSSING	NA	NA		294984.41	6268710.25	20.83
371	A	DUCT END	0.81	-0.75		294983.27	6268710.31	20.91
372	A	ROUTE	0.89	-0.75		294960.41	6268713.8	20.8
374	A	DUCT END	0.99	-0.75		294938.5	6268717.1	20.76
375	A	SPLAY ROUTE	0.93	-0.75		294936.37	6268741.36	20.41
376	A	DUCT CROSSING	NA	NA		294939.69	6268764.09	19.93
377	A	ROUTE	0.88	-0.75		294939.69	6268763.91	19.97
378	A	SPLAY ROUTE	0.93	-0.75		294943	6268786.42	19.8
379	A	DUCT CROSSING	NA	NA		294949.79	6268791.17	18.86
381	A	ROUTE @ SUB	INSIDE EASEMENT	-0.75		295000.26	6268665.22	21.26
383	A	EARTH STAKE	INSIDE EASEMENT	-0.75		294999.74	6268665.7	20.99
389	A	STJ HV	1	-0.97		294940.26	6268768.51	19.77
390	A	SPLAY ROUTE	0.81	-0.75		294949.06	6268790.97	19.13
391	A	DUCT CROSSING	NA	NA		294951.96	6268805.22	19.29
392	A	DUCT CROSSING	NA	NA		294946.81	6268812.29	19.29
393	A	SPLAY ROUTE	0.82	-0.75		294946.98	6268811.3	19.36
394	A	SPLAY ROUTE	0.81	-0.75		294951.13	6268805.77	19.25
395	A	DUCT CROSSING	NA	NA		294932.79	6268814.39	19.57
396	A	SPLAY ROUTE	0.82	-0.75		294932.71	6268814.5	19.4
397	A	DUCT END	0.81	-0.75		294937.61	6268847.48	19.28
398	A	DUCT CROSSING	NA	NA		294937.68	6268847.48	19.11
402	A	DUCT CROSSING	NA	NA		294942.48	6268879.87	18.76
405	A	ROUTE	0.8	-0.75		294951.43	6268941.48	17.98
406	A	DUCT CROSSING	NA	NA		294951.5	6268941.42	18.05
409	A	ROUTE	0.82	-0.75		294955.94	6268971.4	17.52
410	A	SPLAY ROUTE	0.83	-0.75		294960.925	6269006.002	17.06
414	A	ROUTE	0.82	-0.75		294945.74	6269011.22	17.22
415	A	SPLAY ROUTE	0.8	-0.75		294910.38	6269011.56	17.18
416	A	SPLAY ROUTE	0.81	-0.75		294903.98	6269006.4	17.08
417	A	DUCT END	0.82	-0.75		294901.26	6268988.82	16.99
418	A	DUCT END	0.83	-0.75		294974.64	6268801.92	19.39
419	A	DUCT CROSSING	NA	NA		294974.31	6268801.9	19.37
420	A	SPLAY ROUTE	0.86	-0.75		294996.69	6268798.73	19.74
421	A	SPLAY ROUTE	0.98	-0.75		295002.71	6268802.98	19.47
422	A	DUCT CROSSING	NA	NA		295003.01	6268803.84	19.42
423	A	DUCT CROSSING	NA	NA		295017.06	6268801.66	19.46
425	A	SPLAY ROUTE	0.81	-0.75		295021.44	6268795.27	19.79
426	A	ROUTE	0.99	-0.75		295032.35	6268793.26	19.91
427	A	DUCT CROSSING	NA	NA		295050.74	6268790.61	20.2
429	A	SPLAY ROUTE	0.86	-0.75		295132.99	6268712.38	21.4
430	A	ROUTE	0.86	-0.75		295136.33	6268734.77	21.4
431	A	SPLAY ROUTE	0.88	-0.75		295139.6	6268757.59	21.37
432	A	SPLAY ROUTE	0.87	-0.75		295135.02	6268763.68	20.87
433	A	DUCT CROSSING	NA	NA		295110.98	6268767.32	20.57
434	A	ROUTE	0.93	-0.75		295110.47	6268767.43	20.71
438	A	ROUTE	0.91	-0.75		295066.1	6268773.98	20.35
439	A	DUCT CROSSING	NA	NA		295046.85	6268776.82	19.99
440	A	ROUTE	0.92	-0.75		295036.87	6268778.32	20.04
442	A	DUCT END	0.94	-0.75		295014.36	6268781.65	19.83
443	A	ROUTE	0.81	-0.75		295002.16	6268783.33	19.8
446	A	ROUTE	0.7	-0.75		294982.19	6268786.14	19.67
447	A	ROUTE	0.86	-0.75		294972.61	6268787.74	19.2
448	A	DUCT CROSSING	NA	NA		294972.62	6268787.78	19.21
451	A	DUCT END	0.97	-0.75		295056.65	6268789.65	20.11
453	A	DUCT CROSSING	NA	NA		295067.4	6268788.17	20.14
454	A	DUCT END	0.86	-0.75		295059.18	6268789.39	19.45
455	A	DUCT CROSSING	NA	NA		294951.56	6268844.33	18.94
456	A	DUCT END	0.84	-0.75		294937.55	6268847.07	19.33
457	A	ROUTE	0.82	-0.75		294942.39	6268879.81	19.01
458	A	ROUTE	0.83	-0.75		294946.8	6268909.62	18.58
459	A	DUCT CROSSING	NA	NA		294965.09	6268935.55	17.95
460	A	DUCT END	0.83	-0.75		294955.39	6269011.56	17.19
465	A	ROUTE @ SUB	INSIDE EASEMENT	-0.75		295058.3	6268791.8	20.1
466	A	EARTH STAKE	INSIDE E					

516	A	EARTH STAKE	INSIDE EASEMENT	-0.75		294902.87	6268987.91	17.15
517	A	EARTH STAKE		0.24	-0.75	294902.48	6268992.94	17.18
561	A	DUCT END		0.97	-0.75	294950.04	6268834.42	19.48
562	A	DUCT END		0.81	-0.75	294951.61	6268844.08	19.07
565	A	ROUTE		0.8	-0.75	294955.05	6268866.78	19.12
566	A	ROUTE		0.81	-0.75	294956.45	6268876.93	18.9
567	A	DUCT CROSSING	NA	NA		294956.31	6268876.46	18.64
568	A	ROUTE		0.8	-0.75	294958.23	6268888.48	18.87
571	A	ROUTE		0.67	-0.75	294961.68	6268910.89	18.72
572	A	DUCT END		0.96	-0.75	294963.23	6268923.59	18.65
573	A	SPLAY ROUTE		0.99	-0.75	294965.3	6268936.14	18.1
574	A	SPLAY ROUTE		0.87	-0.75	294971.32	6268941.62	17.94
575	A	ROUTE		0.99	-0.75	294990.44	6268944.27	17.72
579	A	DUCT CROSSING	NA	NA		295015.27	6268949.54	17.65
580	A	SPLAY ROUTE		0.81	-0.75	295015.75	6268949.47	17.65
581	A	DUCT CROSSING	NA	NA		295022.59	6268944.49	17.62
582	A	SPLAY ROUTE		0.85	-0.75	295022.59	6268944.29	17.67
583	A	ROUTE		0.91	-0.75	295022	6268931.8	17.93
584	A	ROUTE		0.91	-0.75	295020.21	6268919.93	17.8
585	A	DUCT CROSSING	NA	NA		295020.16	6268919.73	17.77
587	A	ROUTE		0.81	-0.75	295016.13	6268893.12	18.4
590	A	DUCT CROSSING	NA	NA		295014.37	6268880.61	18.32
591	A	SPLAY ROUTE		0.8	-0.75	294982.81	6269014.88	17.07
592	A	ROUTE		0.86	-0.75	294995.45	6269017.69	17.31
593	A	ROUTE		0.97	-0.75	295014.65	6269023.58	17.21
594	A	ROUTE		0.87	-0.75	295026.31	6269027.93	17.24
595	A	ROUTE		0.85	-0.75	295054.24	6269038.86	17.36
597	A	ROUTE		0.81	-0.75	295006.12	6268825.5	19.26
598	A	ROUTE		0.81	-0.75	295007.61	6268835.64	18.98
599	A	DUCT CROSSING	NA	NA		295007.79	6268836.17	18.93
600	A	ROUTE		0.81	-0.75	295009.48	6268848.23	19.04
603	A	ROUTE		0.81	-0.75	295012.41	6268867.95	18.73
604	A	ROUTE		0.81	-0.75	295014.19	6268879.83	18.15
605	A	DUCT END		0.95	-0.75	295016.98	6268801.51	19.28
606	A	ROUTE		0.99	-0.75	295021.7	6268833.79	19
607	A	DUCT CROSSING	NA	NA		295021.83	6268834.14	19.04
609	A	ROUTE		0.92	-0.75	295026.19	6268863.73	18.61
611	A	DUCT CROSSING	NA	NA		295028.08	6268876.2	18.43
613	A	ROUTE		0.89	-0.75	295030.88	6268895.85	18.13
615	A	DUCT CROSSING	NA	NA		295033.9	6268915.57	17.92
616	A	ROUTE		0.91	-0.75	295035.33	6268925.49	17.91
619	A	ROUTE		0.99	-0.75	295014.33	6268963.87	17.77
620	A	DUCT CROSSING	NA	NA		295013.4	6268963.73	17.76
621	A	ROUTE		0.91	-0.75	295025.55	6268967.26	17.08
622	A	ROUTE		0.87	-0.75	295037.59	6268971.43	18.13
625	A	ROUTE		0.95	-0.75	295057.01	6268978.92	18.23
626	A	ROUTE		0.84	-0.75	295065.22	6268982.27	18.31
627	A	DUCT CROSSING	NA	NA		295065.29	6268982.24	18.34
628	A	ROUTE		0.68	-0.75	295074.62	6268986.13	18.27
630	A	DUCT CROSSING	NA	NA		295109.99	6268947.19	18.29
631	A	DUCT CROSSING	NA	NA		294981.89	6269014.51	17.02
632	A	DUCT CROSSING	NA	NA		294956.39	6269011.38	17
633	A	SPLAY ROUTE		0.98	-0.75	294975.79	6269008.17	17.24
634	A	ROUTE		0.98	-0.75	294970.88	6268975.49	17.53
635	A	DUCT END		0.94	-0.75	294968.92	6268962.23	17.77
636	A	SPLAY ROUTE		0.84	-0.75	294973.84	6268956.78	17.74
638	A	ROUTE		0.91	-0.75	295073.05	6269046.3	17.27
640	A	DUCT END		0.99	-0.75	295104.8	6269058.82	17.22
642	A	SPLAY ROUTE		0.96	-0.75	295073.08	6268792.76	20.24
643	A	DUCT CROSSING	NA	NA		295077.97	6268825.55	19.64
644	A	ROUTE		0.88	-0.75	295077.98	6268825.64	19.7
646	A	ROUTE		0.99	-0.75	295082.48	6268855.19	19.35
647	A	DUCT CROSSING	NA	NA		295082.4	6268855.55	19.25
649	A	ROUTE		0.81	-0.75	295087.05	6268887.3	19.04
650	A	DUCT CROSSING	NA	NA		295088.95	6268899.87	18.86
653	A	ROUTE		0.76	-0.75	295074.08	6268970.27	18.3
654	A	DUCT END		0.97	-0.75	295069.57	6268968.74	18.28
655	A	DUCT CROSSING	NA	NA		295069.78	6268968.75	18.12
658	A	SPLAY ROUTE		0.83	-0.75	295040.7	6268957.3	18.01
659	A	SPLAY ROUTE		0.87	-0.75	295036.42	6268950.24	17.72
660	A	DUCT CROSSING	NA	NA		295036.43	6268949.68	17.58
661	A	ROUTE		0.81	-0.75	295036.96	6268944.53	17.68
663	A	ROUTE		0.93	-0.75	295036.81	6268937.52	17.78
668	A	ROUTE		0.82	-0.75	295110.05	6268946.46	18.26
669	A	ROUTE		0.71	-0.75	295108.74	6268934.82	18.59
672	A	ROUTE		0.75	-0.75	295105.33	6268912.07	18.84
673	A	DUCT CROSSING	NA	NA		295103.76	6268902.37	18.6

674	A	ROUTE		0.81	-0.75		295103.74	6268901.92	18.63
675	A	ROUTE		0.65	-0.75		295102.17	6268890.29	19.05
678	A	ROUTE		0.7	-0.75		295099.19	6268870.58	19.47
679	A	ROUTE		0.9	-0.75		295097	6268857.23	19.33
680	A	DUCT CROSSING	NA	NA			295097.13	6268857.75	19.15
681	A	ROUTE		0.59	-0.75		295095.5	6268844.94	19.75
684	A	ROUTE		0.78	-0.75		295092.46	6268825.48	19.97
685	A	ROUTE		0.81	-0.75		295090.7	6268813.93	19.69
687	A	DUCT CROSSING	NA	NA			295091.56	6268820.18	19.72
688	A	DUCT END		0.83	-0.75		295092.59	6268924.65	18.73
689	A	ROUTE		0.91	-0.75		295095.8	6268947.99	18.12
690	A	DUCT CROSSING	NA	NA			295095.8	6268948.16	18.12
750	C	ROUTE		0.88	-0.75		295091.54	6268820.08	19.75
751	C	SPLAY ROUTE		0.89	-0.75		294940.98	6268735.19	20.59

WORK COMPLETED / FIELD BOOK

CONSTRUCTED BY C.J. DOYLE CONTRACTING

WORKS COMPLETED BY CHRIS JOWETT

SIGNATURE C.J. DOYLE DATE 08/09/22

INSPECTED BY MICHAEL WEIR

SIGNATURE _____ DATE _____

ASSET RECORDING

I, STEVE FRIDAY

OF C.J. DOYLE CONTRACTING

CONTACT No. 8784-1922

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

SIGNATURE STEVE FRIDAY DATE 08/09/22

LAI'D IN CONJUNCTION WITH URS25540, PLT1389 & PLT1390

WAE SURVEY COORDINATE TABLE - MGA 94 - SURFACE ASSETS					
NODE ID #	ASSET TYPE	NOTES	EASTING	NORTHING	REDUCED/SURFACE LEVEL
46	S/L 981502		295149.61	6268557.44	25.8
47	PILLAR 'S' 170040		295119.99	6268561.79	25.4
48	S/L 981503		295097.73	6268565.11	25.24
49	PILLAR 170042		295077.9	6268567.96	24.91
50	S/L 981504		295055.55	6268571.24	24.72
51	PILLAR 170042		295023.52	6268575.91	24.33
52	S/L 981505		295003.7	6268578.89	24.21
53	S/L 981506		294971.39	6268592.58	23.47
54	PILLAR 'S' 170043		294990.68	6268621.8	22.88
208	EXISTING PILLAR S169731		295114.51	6268781.61	21.6
523	PILLAR S170071		294974.08	6268802.36	20.33
524	S/L 981530		294972.42	6268787.38	20.37
525	S/L 981514		294943.37	6268786.15	20.61
526	PILLAR 170073		294940.03	6268763.88	20.87
527	S/L 981513		294936.79	6268741.63	21.12
528	EXISTING S/L		294960.86	6268713.23	21.81
529	PILLAR 170052		294974.04	6268730.59	21.78
530	PILLAR 170055		295018.59	6268723.91	22.13
531	PILLAR S170057		295048.29	6268719.46	22.36
532	PILLAR 170059		295082.91	6268714.35	22.55
533	S/L 981511		295137.71	6268630.47	23.4
534	PILLAR 170048		295138.15	6268615.29	23.46
535	PILLAR 170047		295105.91	6268620.13	23.16
536	S/L 981510		295095.69	6268636.65	23.06
537	PILLAR S170046		295076.24	6268624.51	22.89
538	S/L 981509		295053.52	6268642.89	22.72
539	PILLAR 170045		295041.52	6268629.56	22.54
550	PILLAR 170044		295033.84	6268645.95	22.46
551	S/L 981508		295000.62	6268650.84	22.19
552	S/L 981507		294977.45	6268633.48	22.83
553	PILLAR 170049		294997.41	6268666.95	22.13
554	PILLAR S170050		295001.1	6268691.83	21.76
555	S/L 981512		294984.46	6268681.56	21.89
556	S/L 981531		295014.42	6268781.26	20.64
557	PILLAR 170065		295046.51	6268776.45	20.92
558	S/L 981532		295066.34	6268773.58	21.19
559	S/L 981533		295110.85	6268766.98	21.58
691	S/L 981540		294969.33	6268962.14	18.62
692	S/L 981524		294974.72	6268956.59	18.52
693	PILLAR S170082		294955.67	6268971.45	18.42
694	PILLAR 170080		294951.12	6268941.61	18.99
695	S/L 981517		294963.58	6268923.13	19.37
696	PILLAR 170079		294946.53	6268909.52	19.44
697	PILLAR S170077		294942.16	6268879.81	19.78
698	S/L 981516		294956.61	6268876.36	19.86
699	PILLAR 170075		294937.3	6268847.71	20.07
700	S/L 981515		294950.33	6268834.23	20.24
701	PILLAR 170051		294938.38	6268716.62	21.52

702	PILLAR S170084		294900.86	6268984.27	18.06
703	S/L 981519		294910.42	6269011.24	18.07
704	PILLAR S170086		294945.68	6269010.85	18.06
705	S/L 981520		294955.37	6269011.21	17.99
706	S/L 981540		294976.08	6269007.72	18
707	PILLAR S170088		294995.55	6269017.36	18.18
708	S/L 981521		295005.21	6269020.08	18.2
709	PILLAR 170090		295026.36	6269027.58	18.14
710	S/L 981522		295054.29	6269038.64	18.17
711	PILLAR 170092		295073.02	6269045.86	17.99
712	S/L 981523		295103.		