



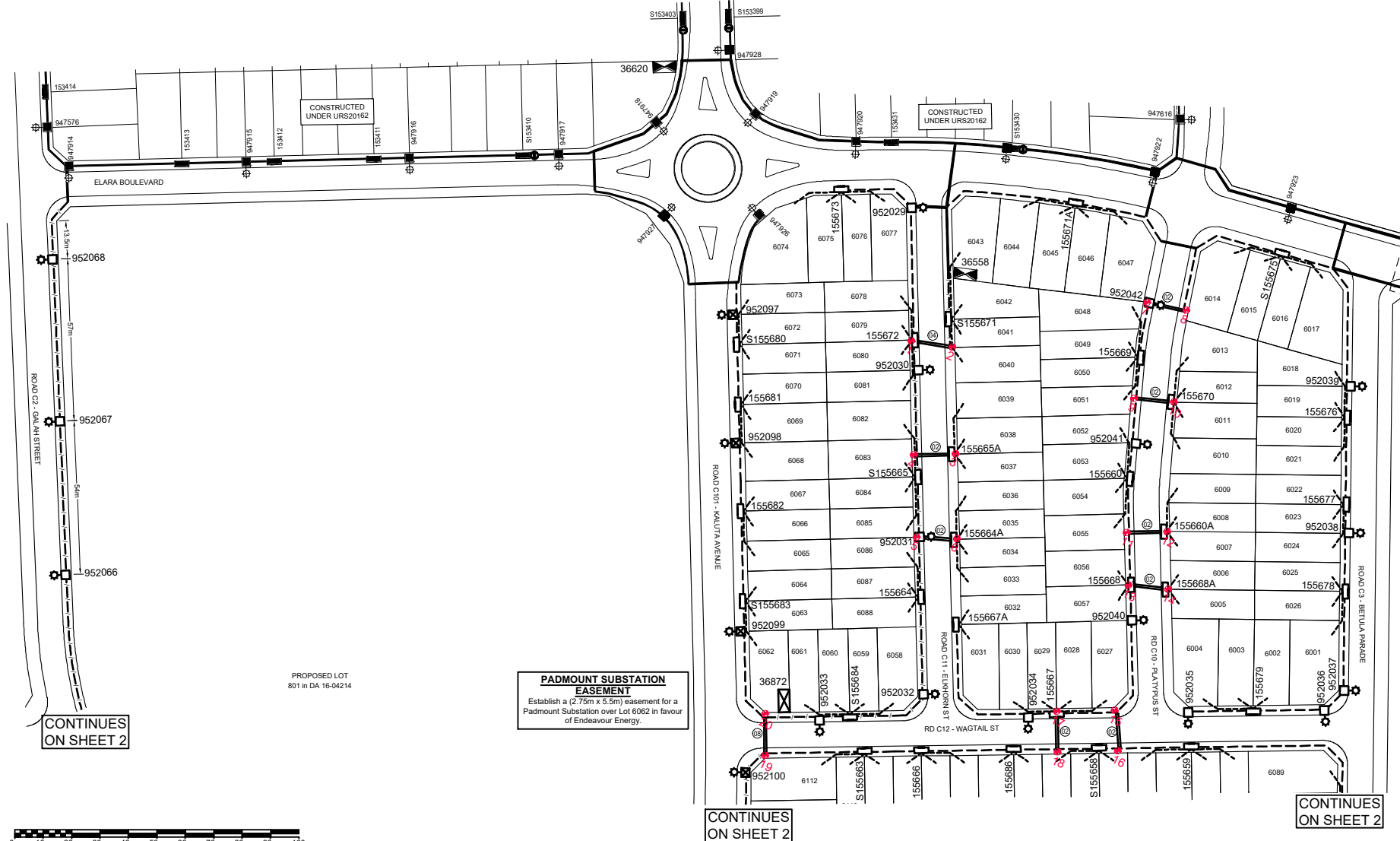
# Duct, Trench & Easement Site Plan

Scale 1:1000

**NOTE**  
THE CONSTRUCTION OF THIS DESIGN AND THE SUPPLY TO THIS SUBDIVISION IS DEPENDENT ON WORKS UNDER URS20162 BEING SUCCESSFULLY COMPLETED

## LEGEND

- Install New Conduits (Ducts)
- Existing Conduits (Ducts)
- High Voltage Trenching
- Low Voltage Trenching
- Lay 40mm P.V.C. Service Conduits
- New Pillar Excavation location
- Existing Pillar
- New Column Excavation location
- 8.5m streetlight support column
- Existing Column
- Install New Street Light Lantern
- Existing Street Light Lantern
- Establish New Padmount Substation
- Padmount Substation - Existing
- Road Crossing Duct Configuration  
X=Number of 50mm Ducts,  
Y=Number of 125mm Ducts.



CONTINUES ON SHEET 2

CONTINUES ON SHEET 2

CONTINUES ON SHEET 2

**PADMOUNT SUBSTATION EASEMENT**  
Establish a (2.75m x 5.5m) easement for a Padmount Substation over Lot 6062 in favour of Endeavour Energy.

PROPOSED LOT 801 in DA 16-0424

SCALE 1:1000

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 in accordance with Endeavour Energy's Standard SAD 004.	
Signature:	_____ Date: _____

**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,
- PDI: Protection Design Instruction,
- SDI: Substation Design Instruction,
- SAD: Design Drawing Standard,
- MME: Mains Maintenance Instruction,
- SME: 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: L McKinnon  
Name: L McKinnon  
Service Provider Number: 2486 Date: 04.09.2018

**DUCT DECLARATION**  
**MALCOLM HARVEY**  
OF **DARACON**  
CONTACT NUMBER **02 4974 9200**

HEREBY CERTIFY THAT THE DUCTS SHOWN ON THIS DRAWING HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS DRAWING & ENDEAVOUR ENERGY STANDARDS MCI0028 & MCI006. THE DUCT DEPTHS AND LOCATIONS AT EACH END HAVE BEEN CORRECTLY MARKED ON THIS DRAWING AS PER ENDEAVOUR ENERGY STANDARD SAD004.

THE INSTALLATION OF THE DUCTS WAS COMMENCED ON 05/02/2019 & COMPLETED ON 22/03/2019

SIGNATURE \_\_\_\_\_  
LAND SURVEYOR REGISTERED UNDER SURVEYING AND SPATIAL INFORMATION ACT 2002

**CERTIFIED BY ENDEAVOUR ENERGY**

Amendment: \_\_\_\_\_  
Date Approved: \_\_\_\_\_  
Examiner's Signature: \_\_\_\_\_  
Print Name: \_\_\_\_\_

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

**Padmount Substation Easement Requirements**

The easement shall be flat & level over the entire easement area, and be above the 1:100 year flood level.

Services such as drains, piping or wiring are not permitted to pass through either the substation easement or the ground below it. If a retaining wall is to be installed, approval from council is required.

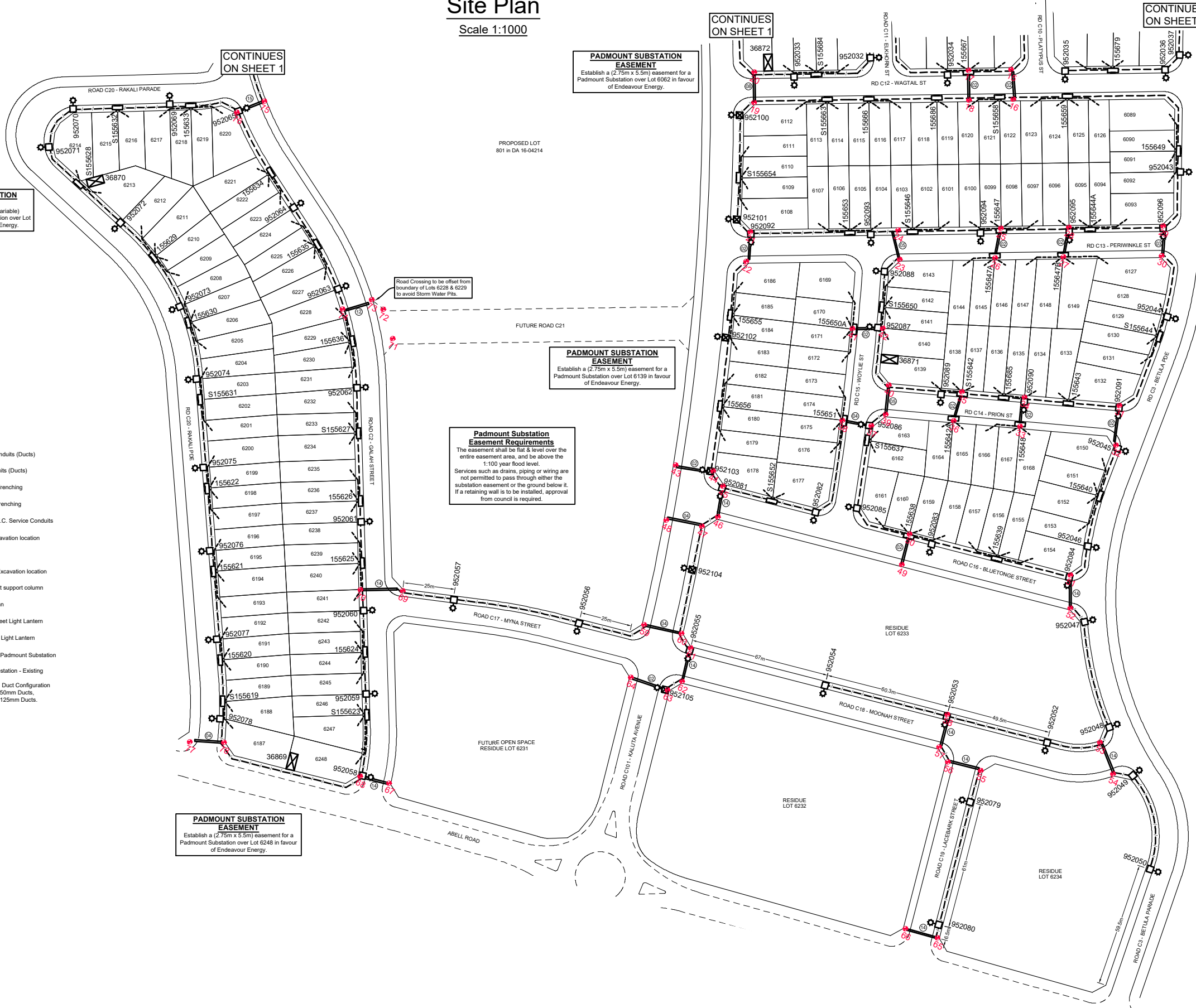
NOTES	
1.	This drawing is to be read in conjunction with the relevant Endeavour Energy Network Standards and Connection Policy.
2.	Endeavour Energy Contact Phone: 131081.
3.	Design certification shall lapse where: (i) notice of intent has not been received within six (6) months of this certification, 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.	<b>ATTENTION:</b> Permanent survey marks may exist in this area, these are to be located by a surveyor prior to commencement of work.
6.	<b>ATTENTION:</b> All services searches must be checked before construction.
7.	<b>ATTENTION:</b> 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.	<b>WARNING:</b> 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.	<b>Reimbursements:</b> 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.
10.	<b>Operational Limitations:</b> 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.
11.	<b>Environmental Management plan:</b> EMP EMS001 is part of this design (refer to EIA for details).
12.	<b>Pollution Controls:</b> All the requirements of the Environmental Protection Authority pollution control legislation is to be strictly adhered to.
13.	<b>Telecommunications:</b> Telecommunications assets are <b>NOT</b> effected by the proposed works.
14.	<b>Existing Assets:</b> Have all the existing assets been field checked and are accurate at the time of design? <b>YES</b>
15A.	<b>Padmount Substation Easement - (Common Earthing):</b> Easement for padmount substation minimum 3.5m x 2.75m. Variable is to be created over Lots 6248, 6213, 6062 & 6139 in favour of Endeavour Energy. This easement is a minimum size and in addition to the substation easement the following restriction zone requirements should be documented on the linen plan & SB5 instrument. (Refer to Endeavour Energy Standard MDI0044, Annexure 1 for Standard Easement Terms)
15B.	<b>Restriction Zone - Fire Ratings of Buildings:</b> A restriction zone on the use of land in relation to fire ratings of buildings measured 3.0m from the padmount substation plinth is to be created over Lots 6187, 6248, 6213, 6214, 6215, 6062, 6061, 6139 & 6140 in favour of Endeavour Energy.
15C.	<b>Restriction Zone - Swimming Pools:</b> A restriction zone on the use of land in relation to pools measured 5.0m from the padmount substation easement and earth grid is to be created over Lots 6187, 6248, 6213, 6214, 6215, 6062, 6061, 6139 & 6140 in favour of Endeavour Energy.

AMENDMENTS Original Issue	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.	 <b>POWER LINE DESIGN PTY LTD</b> PO BOX 338 Mittagong NSW 2575 Ph (02) 4872 1920 Fax (02) 4872 1240 Accredited Designer Number: 2486 / ADR: 33107 591 846	 THIS DRAWING IS THE PROPERTY OF ENDEAVOUR ENERGY AND MAY NOT BE COPIED, REPRODUCED, DISTRIBUTED, LOANED OR USED WITHOUT THE WRITTEN CONSENT OF ENDEAVOUR ENERGY.	Reference Drawings		Work Orders		CAP / SAMP No.	URS20472	 ORIGINAL SCALE 1:1000 Drawn N Anderson Date 04.09.2018 Checked Michael B	DO NOT SCALE DIMENSIONS IN METRES Design N Anderson	PRECINCT 6 - RICHMOND ROAD MARSDEN PARK URS20472 Work As Executed LOT 7 & 3, DP 1078187 & 1225885 DUCT TRENCH & EASEMENT	 <b>510176</b> Sheet No 1 of 4 Sheets
				A510177	URS20472 - Retic	General		AM Project No.					

# Duct, Trench & Easement

## Site Plan

Scale 1:1000



**PADMOUNT SUBSTATION EASEMENT**  
Establish a (2.75m x 5.5m + variable) easement for a Padmount Substation over Lot 6213 in favour of Endeavour Energy.

**PADMOUNT SUBSTATION EASEMENT**  
Establish a (2.75m x 5.5m) easement for a Padmount Substation over Lot 6062 in favour of Endeavour Energy.

**PADMOUNT SUBSTATION EASEMENT**  
Establish a (2.75m x 5.5m) easement for a Padmount Substation over Lot 6139 in favour of Endeavour Energy.

**Padmount Substation Easement Requirements**  
The easement shall be flat & level over the entire easement area, and be above the 1:100 year flood level.  
Services such as drains, piping or wiring are not permitted to pass through either the substation easement or the ground below it. If a retaining wall is to be installed, approval from council is required.

**PADMOUNT SUBSTATION EASEMENT**  
Establish a (2.75m x 3.3m) easement for a Padmount Substation over Lot 6248 in favour of Endeavour Energy.

### LEGEND

- Install New Conduits (Ducts)
- Existing Conduits (Ducts)
- High Voltage Trenching
- Low Voltage Trenching
- Lay 40mm P.V.C. Service Conduits
- New Pillar Excavation location
- Existing Pillar
- New Column Excavation location
- 8.5m streetlight support column
- Existing Column
- Install New Street Light Lantern
- Existing Street Light Lantern
- Establish New Padmount Substation
- Padmount Substation - Existing
- Road Crossing Duct Configuration  
X = Number of 50mm Ducts,  
Y = Number of 125mm Ducts.

**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 in accordance with Endeavour Energy's Standard SAD 004.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**CERTIFIED BY ENDEAVOUR ENERGY**

Amendment: \_\_\_\_\_

Date Approved: \_\_\_\_\_

Examiner's Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

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



**DUCT DECLARATION**  
**MALCOLM HARVEY**

OF  
**DARACON**

CONTACT NUMBER **02 4974 9200**

HEREBY CERTIFY THAT THE DUCTS SHOWN ON THIS DRAWING HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS DRAWING & ENDEAVOUR ENERGY STANDARDS M00028 & M0006. THE DUCT DEPTHS AND LOCATIONS AT EACH END HAVE BEEN CORRECTLY MARKED ON THIS DRAWING AS PER ENDEAVOUR ENERGY STANDARD SAD004.

THE INSTALLATION OF THE DUCTS WAS COMMENCED ON **05/02/2019** & COMPLETED ON **22/03/2019**

SIGNATURE \_\_\_\_\_  
LAND SURVEYOR REGISTERED UNDER SURVEYING AND SPATIAL INFORMATION ACT 2002

AMENDMENTS

Original Issue
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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.

Power Line Design Ref: 2827

**POWER LINE DESIGN PTY LTD**  
PO BOX 338 Mittagong NSW 2575  
Ph (02) 4872 1920 Fax (02) 4872 1240  
Accredited Designer Number 2486 / ABN: 33107 591 846

THIS DRAWING IS THE PROPERTY OF ENDEAVOUR ENERGY AND MAY NOT BE COPIED, REPRODUCED, DISTRIBUTED, LOANED OR USED WITHOUT THE WRITTEN CONSENT OF ENDEAVOUR ENERGY.

Reference Drawings	Work Orders
A510177 URS20472 - Retic	General
B507919 URS20162 - Newpark Precinct 4	Overhead
A508329 PLT1059 - Elara Blvd Precinct 3	Underground
	Substations

CAP / SAMP No.	URS20472
AM Project No.	
HV Switching	
UBD/Penguin Ref No.	126 C:11
GIS Map No.	U73676
HV OP Diagram	MARSDEN PARK
Local Government Area	BLACKTOWN CITY

ORIGINAL SCALE	1:1000
Drawn	N Anderson
Date	04.09.2018
Checked	Michael B
Design	N Anderson

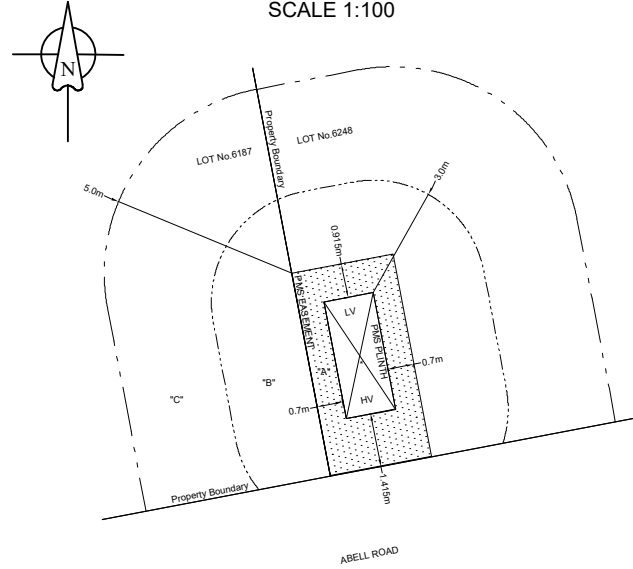
**DO NOT SCALE DIMENSIONS IN METRES**

**PRECINCT 6 - RICHMOND ROAD MARSDEN PARK URS20472**  
Work As Executed  
LOT 7 & 3, DP 1078187 & 1225885  
DUCT TRENCH & EASEMENT

**A1 510176 A**  
Sheet No 2 of 4 Sheets

**EASEMENT AND RESTRICTION ZONES FOR PADMOUNT  
SUBSTATION 36869 - COMMON EARTHING**  
REFER TO PROJECT NOTES 15 A, B, C FOR DETAILS

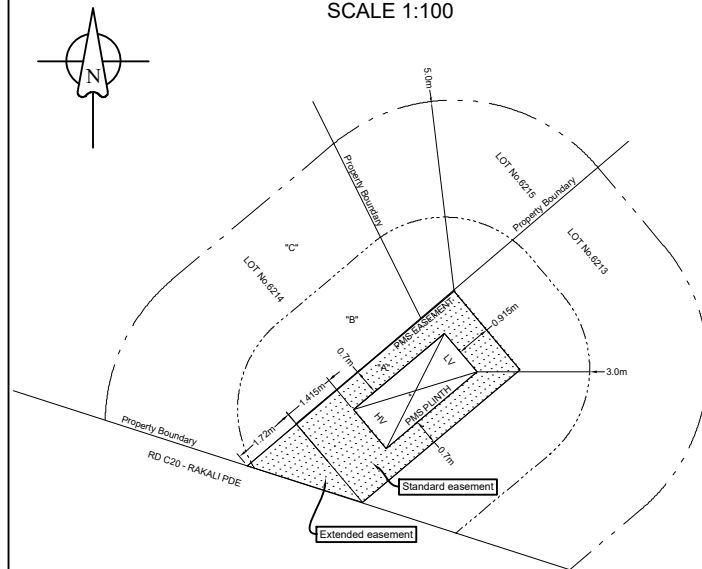
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m  
SCALE 1:100



- A. PADMOUNT SUBSTATION EASEMENT 2.75m x 5.5m, CENTRED AROUND THE SUBSTATION PLINTH EXCEPT FOR 0.25m OFFSET TOWARD THE HV END.
- B. RESTRICTION ON THE USE OF LAND IN RELATION TO THE FIRE RATING OF BUILDINGS MEASURED 3.0m FROM SUBSTATION PLINTH.
- C. RESTRICTION ON THE USE OF LAND IN RELATION TO THE SWIMMING POOLS MEASURED 5.0m FROM SUBSTATION EASEMENT
- \* **SUBSTATION PLINTH** 1.35m x 3.17m AT TOP OF CONCRETE. (ALL OFFSETS TO PLINTH SHOWN FROM TOP OF CONCRETE)

**EASEMENT AND RESTRICTION ZONES FOR PADMOUNT  
SUBSTATION 36870 - COMMON EARTHING**  
REFER TO PROJECT NOTES 15 A, B, C FOR DETAILS

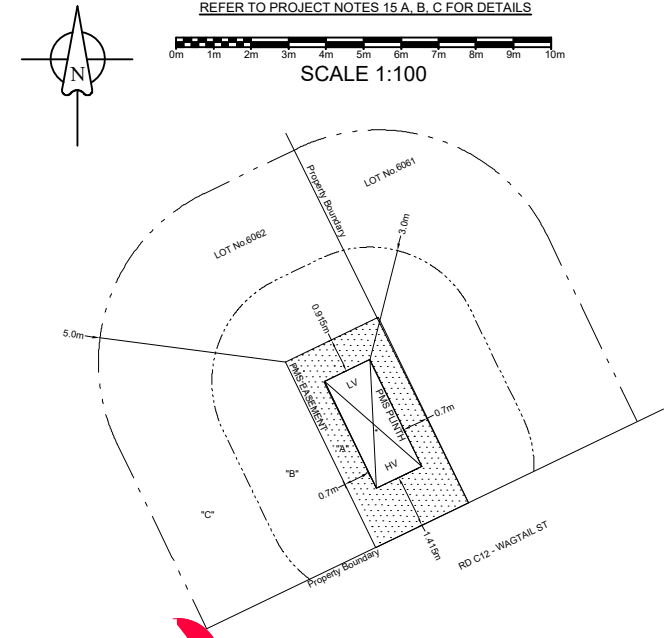
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m  
SCALE 1:100



- A. PADMOUNT SUBSTATION EASEMENT 2.75m x 5.5m, CENTRED AROUND THE SUBSTATION PLINTH EXCEPT FOR 0.25m OFFSET TOWARD THE HV END.
- B. RESTRICTION ON THE USE OF LAND IN RELATION TO THE FIRE RATING OF BUILDINGS MEASURED 3.0m FROM SUBSTATION PLINTH.
- C. RESTRICTION ON THE USE OF LAND IN RELATION TO THE SWIMMING POOLS MEASURED 5.0m FROM SUBSTATION EASEMENT
- \* **SUBSTATION PLINTH** 1.35m x 3.17m AT TOP OF CONCRETE. (ALL OFFSETS TO PLINTH SHOWN FROM TOP OF CONCRETE)

**EASEMENT AND RESTRICTION ZONES FOR PADMOUNT  
SUBSTATION 36872 - COMMON EARTHING**  
REFER TO PROJECT NOTES 15 A, B, C FOR DETAILS

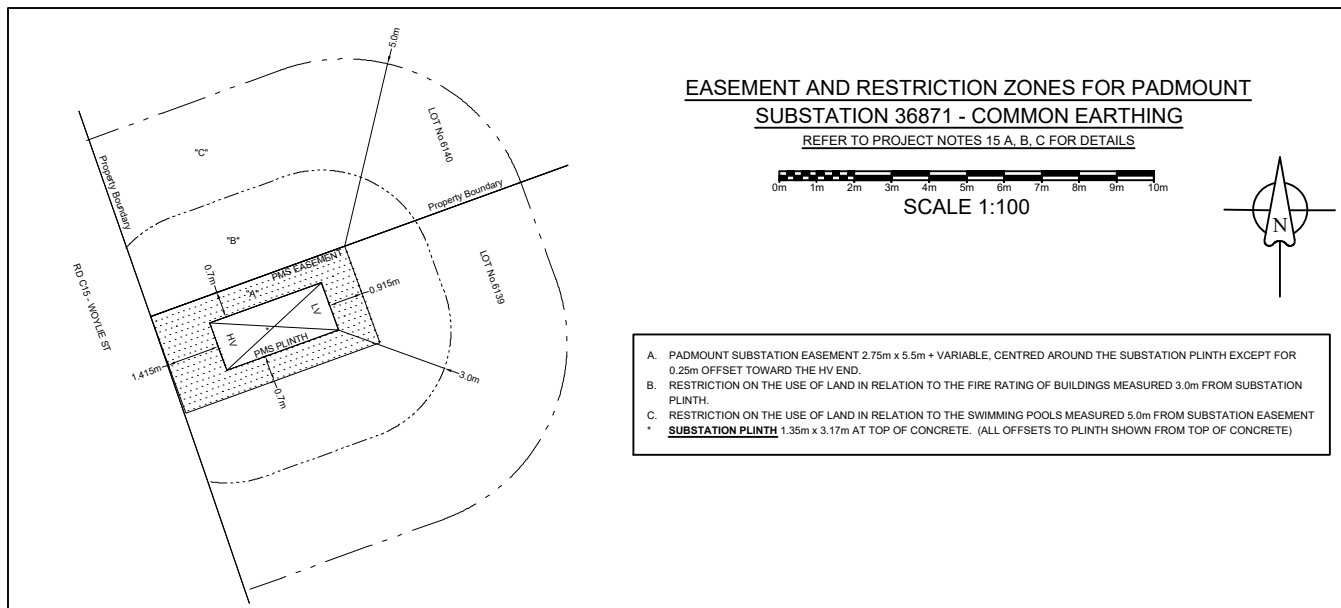
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m  
SCALE 1:100



- A. PADMOUNT SUBSTATION EASEMENT 2.75m x 5.5m + VARIABLE, CENTRED AROUND THE SUBSTATION PLINTH EXCEPT FOR 0.25m OFFSET TOWARD THE HV END.
- B. RESTRICTION ON THE USE OF LAND IN RELATION TO THE FIRE RATING OF BUILDINGS MEASURED 3.0m FROM SUBSTATION PLINTH.
- C. RESTRICTION ON THE USE OF LAND IN RELATION TO THE SWIMMING POOLS MEASURED 5.0m FROM SUBSTATION EASEMENT
- \* **SUBSTATION PLINTH** 1.35m x 3.17m AT TOP OF CONCRETE. (ALL OFFSETS TO PLINTH SHOWN FROM TOP OF CONCRETE)

**EASEMENT AND RESTRICTION ZONES FOR PADMOUNT  
SUBSTATION 36871 - COMMON EARTHING**  
REFER TO PROJECT NOTES 15 A, B, C FOR DETAILS

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m  
SCALE 1:100



- A. PADMOUNT SUBSTATION EASEMENT 2.75m x 5.5m + VARIABLE, CENTRED AROUND THE SUBSTATION PLINTH EXCEPT FOR 0.25m OFFSET TOWARD THE HV END.
- B. RESTRICTION ON THE USE OF LAND IN RELATION TO THE FIRE RATING OF BUILDINGS MEASURED 3.0m FROM SUBSTATION PLINTH.
- C. RESTRICTION ON THE USE OF LAND IN RELATION TO THE SWIMMING POOLS MEASURED 5.0m FROM SUBSTATION EASEMENT
- \* **SUBSTATION PLINTH** 1.35m x 3.17m AT TOP OF CONCRETE. (ALL OFFSETS TO PLINTH SHOWN FROM TOP OF CONCRETE)

**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 DECLARATION**  
**MALCOLM HARVEY**  
OF **DARACON**  
CONTACT NUMBER **02 4974 9200**  
HEREBY CERTIFY THAT THE DUCTS SHOWN ON THIS DRAWING HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS DRAWING & ENDEAVOUR ENERGY STANDARDS HD0028 & MC0006. THE DUCT DEPTHS AND LOCATIONS AT EACH END HAVE BEEN CORRECTLY MARKED ON THIS DRAWING AS PER ENDEAVOUR ENERGY STANDARD S40004.  
THE INSTALLATION OF THE DUCTS WAS COMMENCED ON **05/02/2019** & COMPLETED ON **22/03/2019**  
SIGNATURE \_\_\_\_\_  
LAND SURVEYOR REGISTERED UNDER SURVEYING AND SPATIAL INFORMATION ACT 2002

**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 in accordance with Endeavour Energy's Standard SAD 004.  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

AMENDMENTS	Original Issue
A	

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.  
Power Line Design Ref: 2827

**powerlinedesign**  
POWER LINE DESIGN PTY LTD  
PO BOX 338 Mittagong NSW 2575  
Ph (02) 4872 1920 Fax (02) 4872 1240  
Accredited Designer Number 2486 / ABN: 33107 591 846

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TEMPERATURE: 3.11

Reference Drawings		Work Orders	
A510177	URS20472 - Retic	General	
B507919	URS20162 - Newport Precinct 4	Overhead	
A508329	PLT1059 - Elara Blvd Precinct 3	Underground	
		Substations	

CAP / SAMP No.	
URS20472	
AM Project No.	
HV Switching	
UBD/Penguin Ref No.	126 C:11
GIS Map No.	U73676
HV OP Diagram	MARSDEN PARK
Local Government Area	BLACKTOWN CITY

ORIGINAL SCALE 1:1000	Drawn N Anderson
DO NOT SCALE DIMENSIONS IN METRES	Date 04.09.2018
Checked Michael B	Design N Anderson

PRECINCT 6 - RICHMOND ROAD  
MARSDEN PARK  
URS20472  
Work As Executed  
LOT 7 & 3, DP 1078187 & 1225885  
DUCT TRENCH & EASEMENT

**Endeavour Energy**

A1 510176 A  
Sheet No 3 of 4 Sheets


WAE Survey Co-Ordinate Table							
ID	Quality Level	Asset	Propert Line	Cover	Easting	Northing	AHD Height
1	A	WAE Duct	0.71	1.03	296474.156	6269259.424	19.13
2	A	WAE Duct	0.91	1.29	296488.147	6269263.556	18.88
3	A	WAE Duct	0.73	1.02	296504.941	6269229.979	19.41
4	A	WAE Duct	0.51	1.12	296491.704	6269223.456	19.32
5	A	WAE Duct	0.85	1.02	296504.844	6269197.626	19.55
6	A	WAE Duct	0.96	1.02	296517.976	6269203.062	19.61
7	A	WAE Duct	1.08	1.09	296543.677	6269306.686	18.03
8	A	WAE Duct	0.91	1.2	296557.289	6269309.967	17.92
9	A	WAE Duct	0.85	1.13	296553.692	6269274.056	18.28
10	A	WAE Duct	1.05	1.17	296566.942	6269278.876	18.23
11	A	WAE Duct	0.75	1.07	296571.177	6269230.189	18.72
12	A	WAE Duct	0.99	1.11	296583.965	6269236.499	18.68
13	A	WAE Duct	0.96	1.2	296579.587	6269213.664	18.74
14	A	WAE Duct	1.14	1.23	296592.79	6269218.291	18.71
15	A	WAE Duct	0.92	1.25	296593.677	6269171.727	19.47
16	A	WAE Duct	0.8	1.11	296600.673	6269159.26	19.61
17	A	WAE Duct	1	1.34	296575.393	6269162.846	19.58
18	A	WAE Duct	0.69	1.13	296581.621	6269149.964	19.80
19	A	WAE Duct	0.92	0.98	296488.803	6269105.535	21.09
20	A	WAE Duct	0.5	1.22	296482.677	6269118.855	20.86
21	A	WAE Duct	1.02	0.9	296513.207	6269048.621	21.68
22	A	WAE Duct	0.71	1.01	296517.4	6269034.966	21.63
23	A	WAE Duct	0.87	0.95	296583.627	6269066.789	20.77
24	A	WAE Duct	1.14	0.95	296577.101	6269079.167	20.76
25	A	WAE Duct	0.9	1.02	296621.306	6269100.707	20.19
26	A	WAE Duct	0.95	1.05	296624.771	6269086.682	20.18
27	A	WAE Duct	0.92	0.96	296654.236	6269100.828	19.92
28	A	WAE Duct	0.92	1.07	296650.645	6269114.807	19.79
29	A	WAE Duct	0.87	1.2	296691.284	6269134.411	19.21
30	A	WAE Duct	0.82	1.2	296696.679	6269121.123	19.25
31	A	WAE Duct	0.91	1.41	296708.511	6269047.576	19.68
32	A	WAE Duct	0.9	1.38	296715.048	6269029.647	20.01
33	A	WAE Duct	0.95	1.27	296669.609	6269018.46	20.07
34	A	WAE Duct	0.95	1.11	296665.641	6269032.021	20.22
35	A	WAE Duct	0.89	1.08	296637.297	6269021.823	20.46
36	A	WAE Duct	0.89	1.11	296639.633	6269007.551	20.45
37	A	WAE Duct	0.96	0.95	296604.873	6268988.805	21.20
38	A	WAE Duct	0.92	0.97	296591.199	6268985.23	21.17
39	A	WAE Duct	1.11	1.13	296608.796	6268996.62	20.65


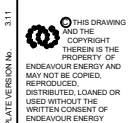


WAE Survey Co-Ordinate Table							
ID	Quality Level	Asset	Propert Line	Cover	Easting	Northing	AHD Height
40	A	WAE Duct	0.79	1.11	296604.22	6269009.96	20.68
41	A	WAE Duct	0.9	0.95	296577.088	6269027.148	20.80
42	A	WAE Duct	0.65	1.02	296590.192	6269033.427	20.73
43	A	WAE Duct	0.98	1.18	296527.813	6268932.253	22.61
44	A	WAE Duct	0.85	1.14	296545.27	6268937.252	22.68
45	A	WAE Duct	0.97	0.94	296552.631	6268932.642	22.57
46	A	WAE Duct	1.15	0.95	296556.607	6268918.245	22.52
47	A	WAE Duct	1.65	1.01	296551.585	6268910.951	22.97
48	A	WAE Duct	1	1.09	296534.844	6268906.436	22.88
49	A	WAE Duct	0.93	1.07	296646.096	6268934.586	21.42
50	A	WAE Duct	0.95	1.07	296643.312	6268949.428	21.43
51	A	WAE Duct	0.83	1.31	296721.439	6268964.041	20.39
52	A	WAE Duct	0.84	1.08	296728.036	6268949.651	20.61
53	A	WAE Duct	0.64	1.12	296767.982	6268897.298	21.14
54	A	WAE Duct	0.99	0.92	296780.043	6268886.199	21.33
55	A	WAE Duct	0.88	0.9	296721.958	6268860.99	21.58
56	A	WAE Duct	0.84	0.84	296705.933	6268858.133	21.68
57	A	WAE Duct	0.97	0.96	296699.128	6268862.846	21.88
58	A	WAE Duct	0.92	1.18	296696.117	6268878.666	21.67
59	A	WAE Duct	0.8	1.05	296546.325	6268856.514	23.29
60	A	WAE Duct	0.81	1.16	296564.315	6268860.316	23.22
61	A	WAE Duct	0.68	1.19	296571.225	6268855.809	22.86
62	A	WAE Duct	0.82	1.06	296574.251	6268839.588	22.99
63	A	WAE Duct	0.92	1.34	296569.664	6268832.842	23.23
64	A	WAE Duct	0.6	1.1	296551.184	6268830.981	23.44
65	A	WAE Duct	1.04	1.21	296736.848	6268779.606	24.07
66	A	WAE Duct	1.04	1.05	296721.13	6268777.133	24.22
67	A	WAE Duct	0.91	1.03	296467.531	6268736.242	23.89
68	A	WAE Duct	0.85	0.96	296453.581	6268733.425	23.96
69	A	WAE Duct	0.85	1.14	296434.629	6268822.615	22.26
70	A	WAE Duct	0.6	1.08	296416.056	6268814.582	22.55
71	A	WAE Duct	0.87	1.12	296379.445	6268930.151	20.95
72	A	WAE Duct	1.3	1.23	296369.451	6268940.995	20.63
73	A	WAE Duct	0.5	1.11	296362.504	6268942.862	20.62
74	A	WAE Duct	0.85	0.98	296351.72	6268932.87	20.74
75	A	WAE Duct	0.91	1	296275.842	6269007.441	19.81
76	A	WAE Duct	0.88	1.17	296266.186	6268997.028	19.64
77	A	WAE Duct	0.61	0.95	296372.637	6268714.033	23.94
78	A	WAE Duct	0.5	1	296387.598	6268720.676	23.88

**DUCT DECLARATION**  
**MALCOLM HARVEY**  
 OF **DARACON**  
 CONTACT NUMBER **02 4974 9200**

HEREBY CERTIFY THAT THE DUCTS SHOWN ON THIS DRAWING HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS DRAWING & ENDEAVOR ENERGY STANDARDS MDO028 & MDO08. THE DUCT DEPTHS AND LOCATIONS AT EACH END HAVE BEEN CORRECTLY MARKED ON THIS DRAWING AS PER ENDEAVOR ENERGY STANDARD S40004.

THE INSTALLATION OF THE DUCTS WAS COMMENCED ON **05/02/2019** & COMPLETED ON **22/03/2019**

SIGNATURE   
 LAND SURVEYOR REGISTERED UNDER SURVEYING AND SPATIAL INFORMATION ACT 2002

AMENDMENTS Original Issue A	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. <b>Power Line Design Ref: 2827</b>	 <b>POWER LINE DESIGN PTY LTD</b> PO BOX 338 Mittagong NSW 2575 Ph (02) 4872 1920 Fax (02) 4872 1240 Accredited Designer Number 2486 / ABN: 33107 591 846		Reference Drawings		Work Orders		CAP / SAMP No.	URS20472	 ORIGINAL SCALE 1:1000 Drawn N Anderson Date 04.09.2018 Checked Michael B Design N Anderson	DO NOT SCALE DIMENSIONS IN METRES	PRECINCT 6 - RICHMOND ROAD MARSDEN PARK URS20472 Work As Executed LOT 7 & 3, DP 1078187 & 1225885 DUCT TRENCH & EASEMENT	 <b>A1 510176 A</b> Sheet No 4 of 4 Sheets
				A510177	URS20472 - Retlc	General		AM Project No.					
				B507919	URS20162 - Newport Precinct 4	Overhead		UBD/Penguin Ref No.					
				A508329	PLT1059 - Elara Blvd Precinct 3	Underground		GIS Map No.	U73676				
						Substations		HV OP Diagram	MARSDEN PARK				
								Local Government Area	BLACKTOWN CITY				