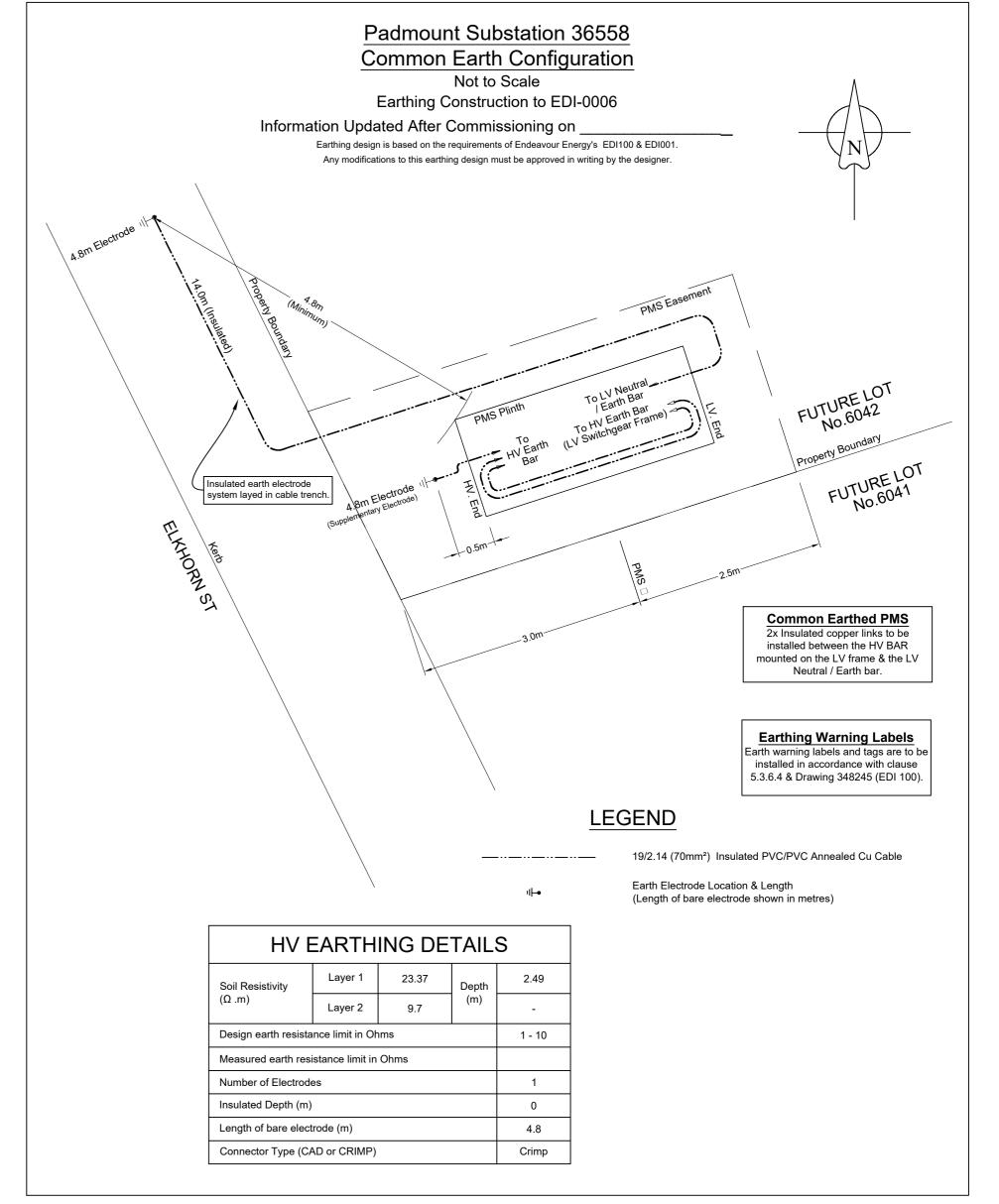
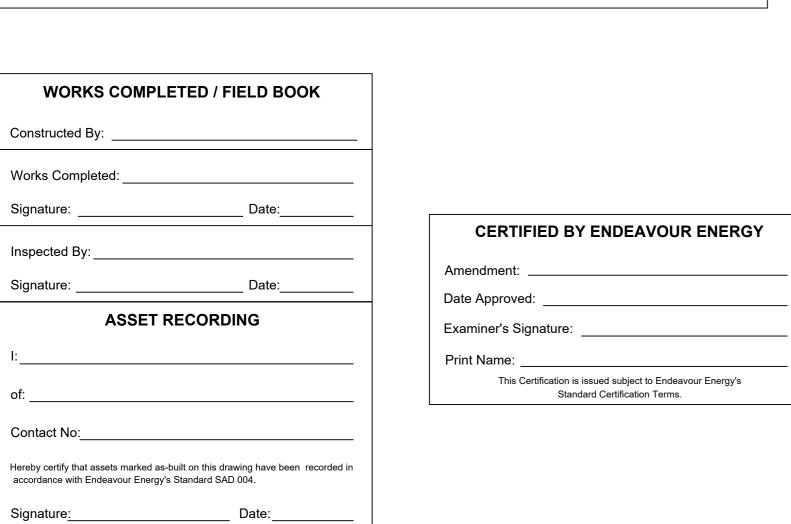
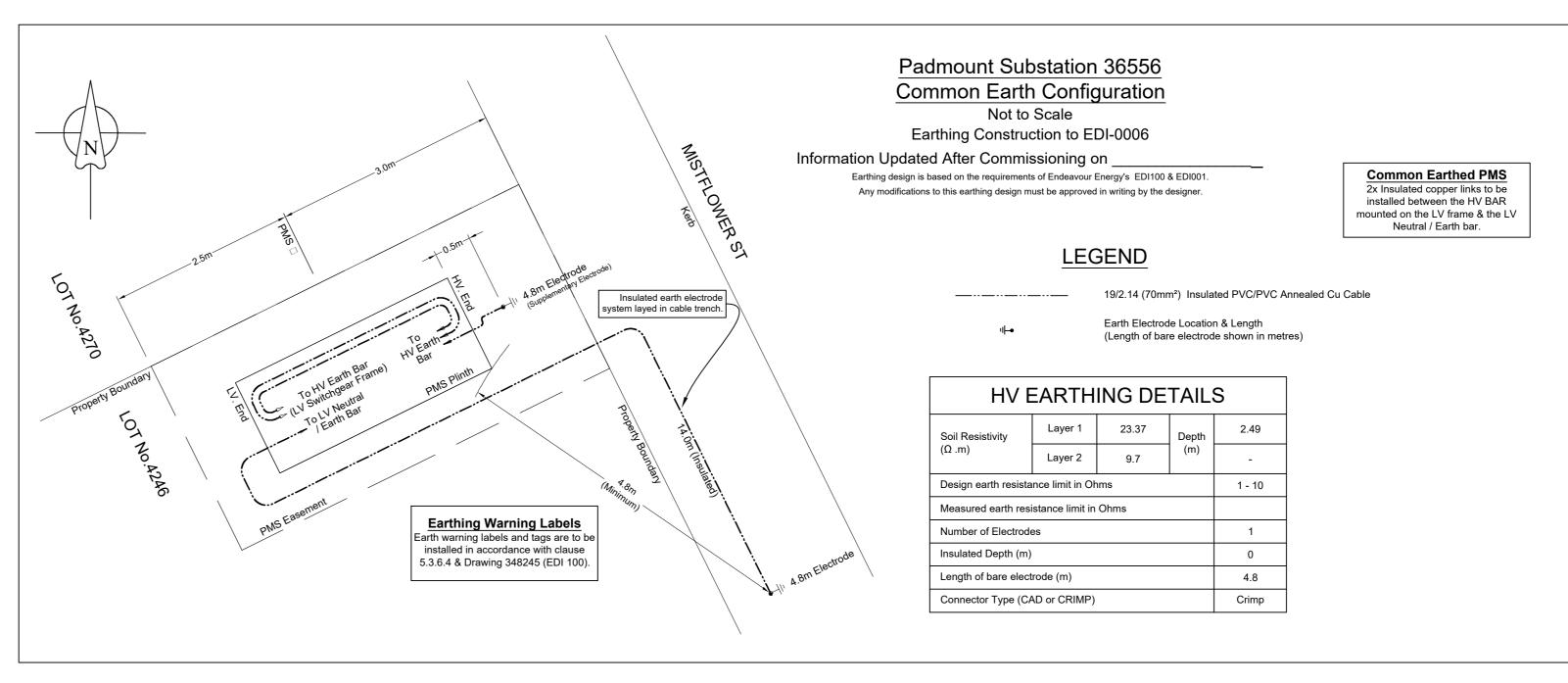
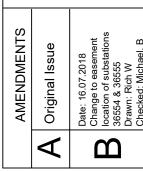


Padmount Substation 36555









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	URS20162	CAP / SAMP No.	Work Orders	Work	Reference Drawings	
		AM Project. No.	Work Orders	VVOIK		
		HV Switching	al	General	URS19233 - Newpark Precinct 2	B505359
Drawr	126 C:11	UBD/Penguin Ref No.	ead	Overhead	PLT1059 - Elara Blvd Precinct 3 - Education	A508329
Date	U82674	GIS Map No.	ound	Underground	URS20162 - DTE	B507917
Date	MARSDEN PARK	HV OP Diagram	ons	Substations		
Checke	BLACKTOWN CITY	Local Government Area				

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R. Walsh

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SCALE

1:1000

R. Walsh

16.07.2018

Michael.J.B Design

NEWPARK PRECINCT 4 RICHMOND ROAD MARSDEN PARK URS20162 **ELECTRICAL RETICULATION**





Sheet No 5 of 11 Sheets

WORKS COMPLETED / FIELD BOOK Urban Subdivision Related Reimbursement - Duct and Cable Schedule Urban Subdivision Related Reimbursement - Duct and Cable Schedule HV Trench & Lay Duct Lay Cable Pull Cable Cable (C) Reinstate (LD) (LC) (PC) (AI) Duct (D) Existing Duct Usage (m) x WORKS COMPLETED: & Lay Duct | Lay Cable | Pull Cable | Cable (C) | Route Length Existing Duct Usage (m) x Route Length Other Duct Configuration Duct (D) Nodes Configuration Nodes Reinstate Reinstate (LD) Reimbursement (m) x (\$) (LC) (PC) Reimbursement (m) x (\$) (T&R) (T&R) New Footpath Ducts New Footpath Ducts B7-C0 A0-A2 New Footpath Ducts New Road Crossing C0-C1 A2-A3 ASSET RECORDING New Footpath Ducts New Footpath Ducts A3-A4 C1-C2 25 HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING New Footpath Ducts HAVE BEEN RECORDED IN ACCORDANCE WITH ENDEAVOUR ENERGY'S New Footpath Ducts C2-C3 A4-A5 SIGNATURE: _ New Footpath Ducts New Footpath Ducts C4-C5 A5-A6 **CERTIFIED BY ENDEAVOUR ENERGY** New Footpath Ducts New Footpath Ducts C5-C6 A6-A7 Examiner's Signature: New Footpath Ducts New Footpath Ducts This Certification is issued subject to Endeavour Energy's C6-C7 22 A7-A8 New Footpath Ducts New Footpath Ducts ALL ROUTE LENGTHS ARE TO BE C7-C8 A8-B1 CONFIRMED ON SITE BY THE CONSTRUCTOR PRIOR TO ORDERING MATERIALS. ALL NEW SPARE 125mm DUCTS INSTALLED New Footpath Ducts New Footpath Ducts ARE TO HAVE A MINIMUM 750mm COVER. C8-C9 13 B1-B2 New Footpath Ducts New Footpath Ducts TRENCH LEGEND C9-D0 B2-B3 22 Direct Buried Cable LV Cable (Direct Buried) New Footpath Ducts HV Cable (Direct Buried) New Footpath Ducts 125mm Duct - with Existing Cable D0-D1 16 B3-B4 125mm Duct - with New Cable 125mm Duct - Spare LV ○ LV 125mm Duct - Spare New Road Crossing (Endeavour Energy Requested) New Footpath Ducts 125mm Duct - Spare (Developer funded) D1-D2 B4-B5 50mm Duct - with Existing Cable 50mm Duct - with New SL Cable New Footpath Ducts 50mm Duct - Spare New Road Crossing D2-D3 10 B4-B7 18 18 36 Duct and Cable Schedule codes: T&R: HV Light trenching & reinstatement PC: Lay Cable - Pull Conductor through Ducts LD: Lay HV 125mm Ducts in Trench New Road Crossing C: Cable - Materials New Footpath Ducts LC: Lay HV Cable - Directly Buried in Trench
D: Lay HV duct in SL/LV Trench C9-D4 16 *All length entered in meters (m) B6-B7

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AM Project. No. SCALE 1:1000 General HV Switching UBD/Penguin Ref No. Overhead R. Walsh Drawn GIS Map No. Underground U82674 16.07.2018 Date Substations HV OP Diagram MARSDEN PARK Checked Michael.J.B Design Local Government Area | BLACKTOWN CITY

Work Orders

CAP / SAMP No.

URS20162

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NEWPARK PRECINCT 4 RICHMOND ROAD MARSDEN PARK URS20162 **ELECTRICAL RETICULATION**

11

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Sheet No 6 of 11 Sheets 12

WORKS COMPLETED / FIELD BOOK Urban Subdivision Related Reimbursement - Duct and Cable Schedule Urban Subdivision Related Reimbursement - Duct and Cable Schedule HV Trench WORKS COMPLETED: & Lay Duct Lay Cable Pull Cable Cable (C) Existing Duct Usage (m) x & Lay Duct | Lay Cable | Pull Cable | Cable (C) | Existing Duct Usage (m) x Route Length Other Duct Route Length Other Duct Duct (D) Configuration Configuration Nodes Nodes Reinstate Reinstate (LD) (LD) (LC) (PC) (LC) (PC) Reimbursement (m) x (\$) Reimbursement (m) x (\$) (T&R) (T&R) New Road Crossing New Footpath Ducts C6-D5 E8-E9 New Footpath Ducts New Footpath Ducts D5-D7 E9-F0 ASSET RECORDING New Footpath Ducts New Road Crossing D7-D8 E4-F0 HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED IN ACCORDANCE WITH ENDEAVOUR ENERGY'S New Footpath Ducts New Footpath Ducts D8-D9 F0-K2 42 25 25 SIGNATURE: New Road Crossing New Road Crossing C2-D7 27 F0-F1 26 **CERTIFIED BY ENDEAVOUR ENERGY** New Footpath Ducts New Footpath Ducts D9-E0 F1-F2 49 24 48 Examiner's Signature: New Footpath Ducts New Footpath Ducts This Certification is issued subject to Endeavour Energy's F2-F3 13 13 New Footpath Ducts New Footpath Ducts ALL ROUTE LENGTHS ARE TO BE F3-F4 E1-E2 10 54 10 CONFIRMED ON SITE BY THE CONSTRUCTOR PRIOR TO ORDERING MATERIALS. ALL NEW SPARE 125mm DUCTS INSTALLED New Footpath Ducts New Road Crossing ARE TO HAVE A MINIMUM 750mm COVER. E2-E3 E2-F4 26 26 52 26 LV O W New Footpath Ducts New Road Crossing TRENCH LEGEND E3-E4 F4-F5 32 Direct Buried Cable LV Cable (Direct Buried) HV Cable (Direct Buried) New Footpath Ducts New Footpath Ducts 125mm Duct - with Existing Cable E4-E5 F5-F6 14 125mm Duct - with New Cable 125mm Duct - Spare LV U 125mm Duct - Spare (Endeavour Energy Requested) New Footpath Ducts New Footpath Ducts 125mm Duct - Spare (Developer funded) E5-E6 F6-F7 40 50mm Duct - with Existing Cable 50mm Duct - with New SL Cable 50mm Duct - Spare New Road Crossing New Footpath Ducts E6-E7 F7-F8 33 66 Duct and Cable Schedule codes: T&R: HV Light trenching & reinstatement PC: Lay Cable - Pull Conductor through Ducts LD: Lay HV 125mm Ducts in Trench C: Cable - Materials New Footpath Ducts **New Road Crossing** LC: Lay HV Cable - Directly Buried in Trench
D: Lay HV duct in SL/LV Trench *All length entered in meters (m) 13 F8-F9 22 13 26 44

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SCALE SCALE 1:1000 DIMENSIONS R. Walsh Drawn METRES U82674 16.07.2018 Date MARSDEN PARK Checked Michael.J.B Design R. Walsh Local Government Area | BLACKTOWN CITY

ORIGINAL

DO NOT

CAP / SAMP No.

AM Project. No.

HV Switching

UBD/Penguin Ref No.

GIS Map No.

HV OP Diagram

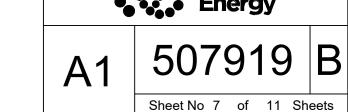
Work Orders

URS20162

NEWPARK PRECINCT 4 RICHMOND ROAD MARSDEN PARK URS20162 **ELECTRICAL RETICULATION**

11

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WORKS COMPLETED / FIELD BOOK Urban Subdivision Related Reimbursement - Duct and Cable Schedule Urban Subdivision Related Reimbursement - Duct and Cable Schedule HV Trench WORKS COMPLETED: & Lay Duct | Lay Cable | Pull Cable | Cable (C) | Existing Duct Usage (m) x & Lay Duct | Lay Cable | Pull Cable | Cable (C) | Existing Duct Usage (m) x Route Length Other Duct Route Length Other Duct Duct (D) Configuration Configuration Nodes Nodes Reinstate ' (LD) Reinstate (LD) (LC) (PC) (LC) (PC) Reimbursement (m) x (\$) Reimbursement (m) x (\$) (T&R) (T&R) New Footpath Ducts New Footpath Ducts G0-G1 H7-F5 New Footpath Ducts New Footpath Ducts G1-G3 F4-H8 48 HV HV HV ASSET RECORDING New Footpath Ducts New Footpath Ducts G3-G4 H8-H9 70 HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED IN ACCORDANCE WITH ENDEAVOUR ENERGY'S New Footpath Ducts New Footpath Ducts G4-G5 H9-J0 70 35 SIGNATURE: New Footpath Ducts New Footpath Ducts G5-G6 J0-J1 28 **CERTIFIED BY ENDEAVOUR ENERGY** New Footpath Ducts New Footpath Ducts G6-G7 J1-J2 Examiner's Signature: LV V V V V New Footpath Ducts New Footpath Ducts This Certification is issued subject to Endeavour Energy's G7-G9 J2-J3 LV LV LV New Footpath Ducts New Footpath Ducts ALL ROUTE LENGTHS ARE TO BE G9-H0 J3-J5 CONFIRMED ON SITE BY THE CONSTRUCTOR PRIOR TO ORDERING MATERIALS. ALL NEW SPARE 125mm DUCTS INSTALLED New Road Crossing New Footpath Ducts ARE TO HAVE A MINIMUM 750mm COVER. H0-J2 J5-J6 New Footpath Ducts New Footpath Ducts TRENCH LEGEND H1-H2 J6-J7 10 Direct Buried Cable LV Cable (Direct Buried) HV Cable (Direct Buried) New Footpath Ducts New Footpath Ducts 125mm Duct - with Existing Cable H2-H3 30 J7-J8 125mm Duct - with New Cable 125mm Duct - Spare LV U 125mm Duct - Spare (Endeavour Energy Requested) New Footpath Ducts New Footpath Ducts 125mm Duct - Spare (Developer funded) H3-H4 J8-J9 50mm Duct - with Existing Cable 50mm Duct - with New SL Cable 50mm Duct - Spare New Footpath Ducts New Road Crossing H4-H6 J7-K6 17 Duct and Cable Schedule codes: T&R: HV Light trenching & reinstatement PC: Lay Cable - Pull Conductor through Ducts LD: Lay HV 125mm Ducts in Trench C: Cable - Materials New Footpath Ducts New Road Crossing LC: Lay HV Cable - Directly Buried in Trench
D: Lay HV duct in SL/LV Trench *All length entered in meters (m) H6-H7 J8-K5 17 URS20162

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CAP / SAMP No. ORIGINAL Work Orders AM Project. No. SCALE 1:1000 General HV Switching UBD/Penguin Ref No. Overhead 126 C:11 R. Walsh Drawn GIS Map No. Underground U82674 16.07.2018 Date Substations HV OP Diagram MARSDEN PARK Checked Michael.J.B Design Local Government Area | BLACKTOWN CITY

NEWPARK PRECINCT 4 RICHMOND ROAD MARSDEN PARK URS20162 **ELECTRICAL RETICULATION**

11

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METRES

R. Walsh

Sheet No 8 of 11 Sheets

WORKS COMPLETED / FIELD BOOK Urban Subdivision Related Reimbursement - Duct and Cable Schedule Urban Subdivision Related Reimbursement - Duct and Cable Schedule HV Trench WORKS COMPLETED: & Lay Duct | Lay Cable | Pull Cable | Cable (C) | Existing Duct Usage (m) x Route Length & Lay Duct | Lay Cable | Pull Cable | Cable (C) | Existing Duct Usage (m) x Route Length Other Duct Other Duct Duct (D) Configuration Configuration Nodes Nodes Reinstate (LD) Reimbursement (m) x (\$) Reinstate (LD) (LC) (PC) (LC) (PC) Reimbursement (m) x (\$) (T&R) (T&R) New Footpath Ducts New Footpath Ducts J9-K0 L6-L7 New Footpath Ducts New Footpath Ducts K0-K1 L7-L8 ASSET RECORDING New Footpath Ducts New Road Crossing K0-K3 L9-M0 HEREBY CERTIFY THAT ASSETS MARKED AS-BUILT ON THIS DRAWING HAVE BEEN RECORDED IN ACCORDANCE WITH ENDEAVOUR ENERGY'S New Footpath Ducts New Road Crossing K2-K3 L9-M5 SIGNATURE: _ New Footpath Ducts New Footpath Ducts K4-K5 M1-M2 **CERTIFIED BY ENDEAVOUR ENERGY** New Footpath Ducts New Road Crossing J5-K7 M2-M3 Examiner's Signature: New Footpath Ducts New Footpath Ducts This Certification is issued subject to Endeavour Energy's K7-K8 M4-K3 New Footpath Ducts New Footpath Ducts ALL ROUTE LENGTHS ARE TO BE K8-K9 M5-M6 CONFIRMED ON SITE BY THE CONSTRUCTOR PRIOR TO ORDERING MATERIALS. ALL NEW SPARE 125mm DUCTS INSTALLED New Footpath Ducts New Footpath Ducts ARE TO HAVE A MINIMUM 750mm COVER. K9-L0 M6-M7 10 New Footpath Ducts New Road Crossing TRENCH LEGEND L0-L1 M6-Q2 Direct Buried Cable LV Cable (Direct Buried) HV Cable (Direct Buried) New Footpath Ducts New Footpath Ducts 125mm Duct - with Existing Cable L1-L2 M7-M8 20 125mm Duct - with New Cable 125mm Duct - Spare LV U 125mm Duct - Spare (Endeavour Energy Requested) New Footpath Ducts New Footpath Ducts 125mm Duct - Spare (Developer funded) L2-L3 M8-M9 50mm Duct - with Existing Cable 50mm Duct - with New SL Cable 50mm Duct - Spare New Footpath Ducts New Footpath Ducts L3-L4 M9-Q1 16 Duct and Cable Schedule codes: T&R: HV Light trenching & reinstatement PC: Lay Cable - Pull Conductor through Ducts LD: Lay HV 125mm Ducts in Trench C: Cable - Materials New Footpath Ducts New Road Crossing LC: Lay HV Cable - Directly Buried in Trench
D: Lay HV duct in SL/LV Trench *All length entered in meters (m) Q0-Q1 L5-L6 26 52 26 26 CAP / SAMP No. URS20162

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ORIGINAL Work Orders Reference Drawings AM Project. No. SCALE 1:1000 General HV Switching UBD/Penguin Ref No. Overhead 126 C:11 R. Walsh Drawn GIS Map No. Underground U82674 16.07.2018 Date Substations HV OP Diagram MARSDEN PARK Checked Michael.J.B Design Local Government Area | BLACKTOWN CITY

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NEWPARK PRECINCT 4 RICHMOND ROAD MARSDEN PARK URS20162 **ELECTRICAL RETICULATION**

11

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Urban Subdivision Related Reimbursement - Duct and Cable Schedule Urban Subdivision Related Reimbursement - Duct and Cable Schedule & Lay Duct Lay Cable Pull Cable Cable (C) & Lay Duct Lay Cable | Pull Cable | Cable (C) | Existing Duct Usage (m) x Route Length Existing Duct Usage (m) x Route Length Other Duct Other Duct Duct (D) Configuration Configuration Nodes Nodes Reinstate (LD) (LD) Reimbursement (m) x (\$) (LC) (PC) Reinstate (PC) Reimbursement (m) x (\$) (T&R) New Footpath Ducts **Existing Ducts** Ducts installed by the Q0-Q2 T2-T1 same developer in an SIGNATURE: _____ earlier stage - URS20472. New Footpath Ducts New Footpath Ducts Q2-Q3 T0-T1 New Footpath Ducts New Footpath Ducts Q3-Q4 S1-A0 New Road Crossing New Footpath Ducts Q4-L4 B5-N0 LV 🖺 🔾 🌑 New Footpath Ducts New Footpath Ducts Q4-Q5 N0-N1 25 25 LV O LV LV New Footpath Ducts New Footpath Ducts Q5-Q6 N1-N2 LV O LV LV New Footpath Ducts New Footpath Ducts Q6-Q7 N2-N3 New Footpath Ducts New Road Crossing Q7-Q8 N2-N5 New Footpath Ducts New Footpath Ducts Q8-Q9 N5-N4 16 New Footpath Ducts Existing Ducts Ducts installed by the Q9-R0 33 N5-N6 same developer in an earlier stage - URS20472. New Road Crossing Ducts installed by the R0-R1 N6-N7 21 21 42 21 21 same developer in an earlier stage - URS20472. Existing Ducts New Road Crossing Ducts installed by the R1-R2 N1-N7 16 16 32 same developer in an earlier stage - URS20472. New Footpath Ducts Existing Ducts Ducts installed by the R2-T2 N6-N8 10 10 10 same developer in an earlier stage - URS20472. Existing Ducts New Footpath Ducts T2-R3 23 N7-N9 30

OMPLETED / FIELD BOOK
DATE:

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	MARKED AS-BUILT ON THIS DRAWING ORDANCE WITH ENDEAVOUR ENERGY'S
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.

ALL ROUTE LENGTHS ARE TO BE CONFIRMED ON SITE BY THE CONSTRUCTOR PRIOR TO ORDERING MATERIALS. ALL NEW SPARE 125mm DUCTS INSTALLED ARE TO HAVE A MINIMUM 750mm COVER.

TRENCH LEGEND

- Direct Buried Cable
- LV Cable (Direct Buried)
- HV Cable (Direct Buried) 125mm Duct - with Existing Cable
- 125mm Duct with New Cable
- 125mm Duct Spare

(Endeavour Energy Requested)

- 125mm Duct Spare
- 125mm Duct Spare (Developer funded)
- 50mm Duct with Existing Cable
- 50mm Duct with New SL Cable
- 50mm Duct Spare
- Duct and Cable Schedule codes:
- T&R: HV Light trenching & reinstatement PC: Lay Cable - Pull Conductor through Ducts
- LD: Lay HV 125mm Ducts in Trench C: Cable - Materials
- LC: Lay HV Cable Directly Buried in Trench
 D: Lay HV duct in SL/LV Trench
- *All length entered in meters (m)

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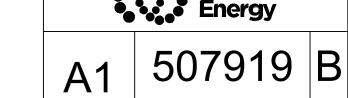
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CAP / SAMP No. URS20162 ORIGINAL Work Orders Reference Drawings AM Project. No. SCALE 1:1000 B505359 URS19233 - Newpark Precinct 2 General **HV Switching** UBD/Penguin Ref No. PLT1059 - Elara Blvd Precinct 3 - Education Overhead 126 C:11 R. Walsh Drawn GIS Map No. Underground U82674 16.07.2018 Date MARSDEN PARK Substations HV OP Diagram Checked Michael.J.B Design Local Government Area | BLACKTOWN CITY

NEWPARK DO NOT PRECINCT 4 SCALE RICHMOND ROAD DIMENSIONS MARSDEN PARK METRES URS20162 **ELECTRICAL RETICULATION** R. Walsh

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12

Sheet No 10 of 11 Sheets

Urban Subdivision Related Reimbursement - Duct and Cable Schedule										
Nodes	Configuration	Route Length (m)	HV Trench & Reinstate (T&R)	Lay Duct (LD)	Lay Cable (LC)	Pull Cable (PC)	Cable (C) (Al)	Duct (D)	Other Duct Reimbursement (m) x (\$)	Existing Duct Usage (m) x (\$)
N9-P1	New Footpath Ducts	38	-	-	-	-	-	-	-	-
P1-D1	New Footpath Ducts	41	-	-	-	-	-	-	-	-
N8-P2	New Footpath Ducts	70	-	-	70	-	70	70	-	-
P2-P3	New Footpath Ducts	10	-	-	10	-	10	10	-	-
P3-P4	New Footpath Ducts	23	-	-	23	-	23	23	-	-
P4-P5	New Road Crossing	16	-	-	-	-	-	-	-	-
P5-E6	New Footpath Ducts	81	-	-	-	-	1	-	-	-
P4-P6	New Footpath Ducts	25	-	-	25	-	25	25	-	-
P6-P7	New Footpath Ducts	17	-	-	17	-	17	17	-	-
P7-R7	New Footpath Ducts	15	-	-	15	-	15	15	-	-
E1-F6	New Road Crossing	20	-	-	-	-	-	-	-	-
H3-J0	New Road Crossing	16	-	-	-	-	-	-	-	-
M4-M1	New Road Crossing	17	-	-	-	-	-	-	-	-
L6-Q3	New Road Crossing	17	-	-	-	-	-	-	-	-

	Urban S	Subdivisi	on Rela	ated R	eimbu	rsemer	nt - Du	ct and	Cable Schedu	le
Nodes	Configuration	Route Length (m)	HV Trench & Reinstate (T&R)	Lay Duct (LD)	Lay Cable (LC)	Pull Cable (PC)	Cable (C) (AI)	Duct (D)	Other Duct Reimbursement (m) x (\$)	Existing Duct Usage (m) > (\$)
Q1-E7	New Footpath Ducts	45	-	-	45	-	45	90	-	-
P8-Q0	New Footpath Ducts	23	-	-	23	-	23	46	-	-
R6-P8	New Footpath Ducts	2	-	-	2	-	2	4	-	-
R6-R7	Existing Ducts	21	-	-	-	-	-	-	-	Nil Ducts installed by the same developer in an earlier stage - URS20472
D9-D9a	New Road Crossing	22	22	88	-	-	-	-	-	-
	Total:	4041m	117m	230m	879m	210m	1089m	1309m		
	Total:	1	\$11,817	\$1,380	\$8,790	\$840	\$35,937	\$30,107	\$0	\$0

WORKS COMPLE	TED / FIELD BOOK
CONSTRUCTED BY:	
WORKS COMPLETED:	
SIGNATURE:	DATE:
INSPECTED BY:	
SIGNATURE:	DATE:

12

ASSET	RECORDING
l:	
OF:	
CONTACT NO:	
	MARKED AS-BUILT ON THIS DRAWING PRDANCE WITH ENDEAVOUR ENERGY'S
SIGNATURE:	DATE:

CE	RTIFIED BY ENDEAVOUR ENERGY
Amendm	ent:
Date App	proved:
Examine	r's Signature:
Print Nar	me:
	This Certification is issued subject to Endeavour Energy's

Standard Certification Terms.

ALL ROUTE LENGTHS ARE TO BE CONFIRMED ON SITE BY THE CONSTRUCTOR PRIOR TO ORDERING MATERIALS. ALL NEW SPARE 125mm DUCTS INSTALLED

ARE TO HAVE A MINIMUM 750mm COVER.

TRENCH LEGEND

- Direct Buried Cable
- LV Cable (Direct Buried)
- HV Cable (Direct Buried) 125mm Duct - with Existing Cable
- 125mm Duct with New Cable
- 125mm Duct Spare
- 125mm Duct Spare (Endeavour Energy Requested)
- 125mm Duct Spare (Developer funded) 50mm Duct - with Existing Cable
- 50mm Duct with New SL Cable
- 50mm Duct Spare

- Existing Cable Abandoned
- **Duct and Cable Schedule codes:**
- T&R: HV Light trenching & reinstatement
 PC: Lay Cable Pull Conductor through Ducts
 LD: Lay HV 125mm Ducts in Trench
 C: Cable Materials
 LC: Lay HV Cable Directly Buried in Trench
 D: Lay HV duct in SL/LV Trench

- *All length entered in meters (m)

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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 VERIFY THE EXACT LOCATION OF EXISTING SERVICES AND PERMANENT SURVEY MARKS PRIOR TO COMMENCING
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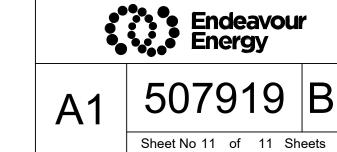
powerlinedesign POWER LINE DESIGN PTY LTD PO BOX 338 Mittagong NSW 2575 Ph (02) 4872 1920 Fax (02) 4872 1240 Accredited Designer Number 2486 / ABN: 33107 591 846

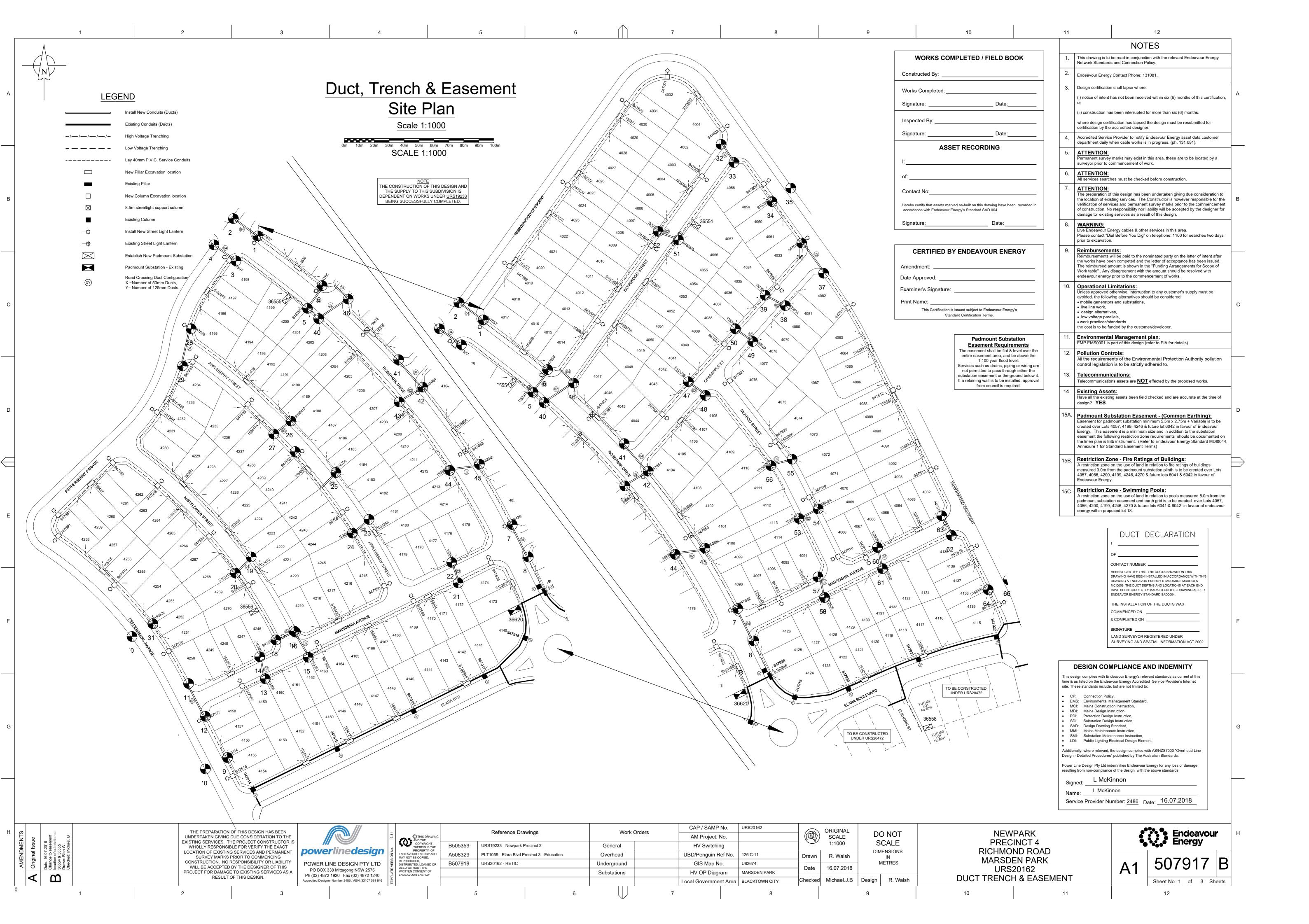
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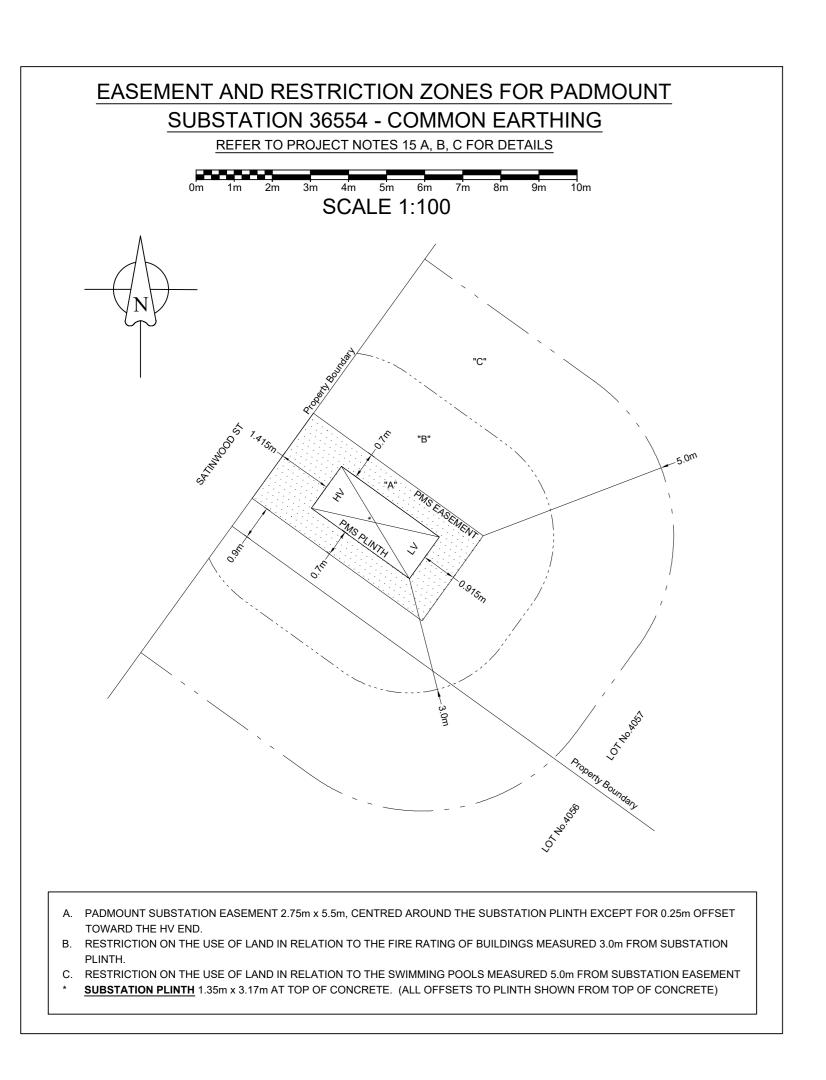
Reference Drawings		Work Orders		CAP / SAMP No.	URS20162		ORIGINAL		
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A508329	PLT1059 - Elara Blvd Precinct 3 - Education	Overhead		UBD/Penguin Ref No.	126 C:11	Drawn	R. Walsh	DIN	MENSIONS IN
B507917	URS20162 - DTE	Underground		GIS Map No.	U82674	Date	16.07.2018	1	METRES
		Substations		HV OP Diagram	MARSDEN PARK	Date	10.07.2016		T
		L		Local Government Area	BLACKTOWN CITY	Checked	Michael.J.B	Design	R. Walsh

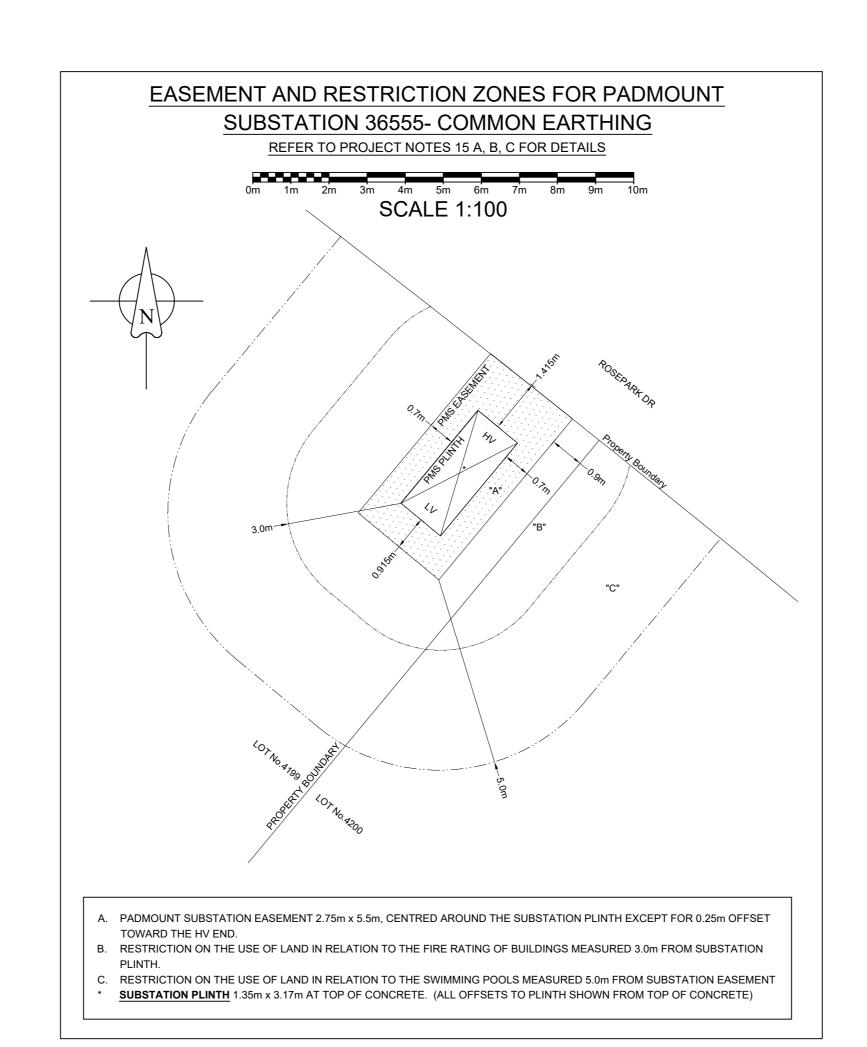
NEWPARK PRECINCT 4 RICHMOND ROAD MARSDEN PARK URS20162 **ELECTRICAL RETICULATION**

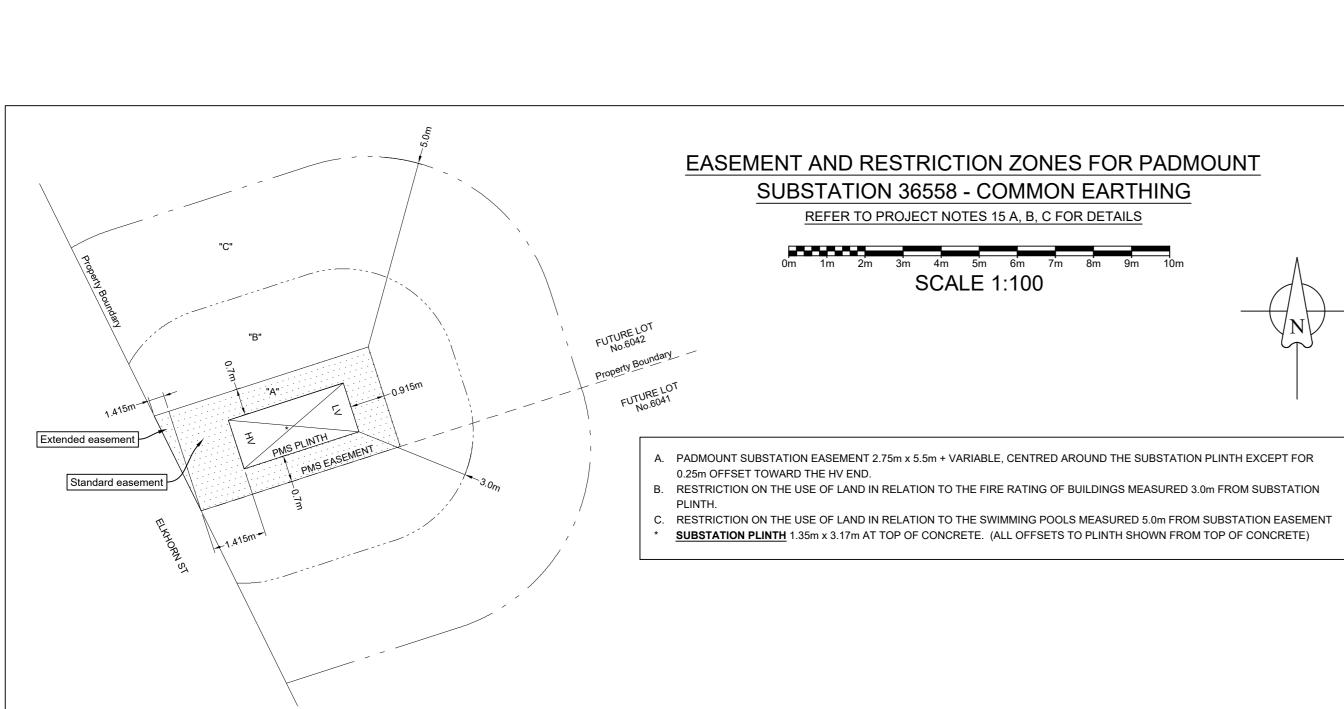
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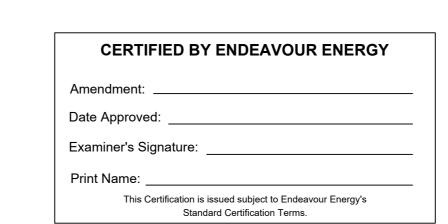












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R. Walsh

16.07.2018

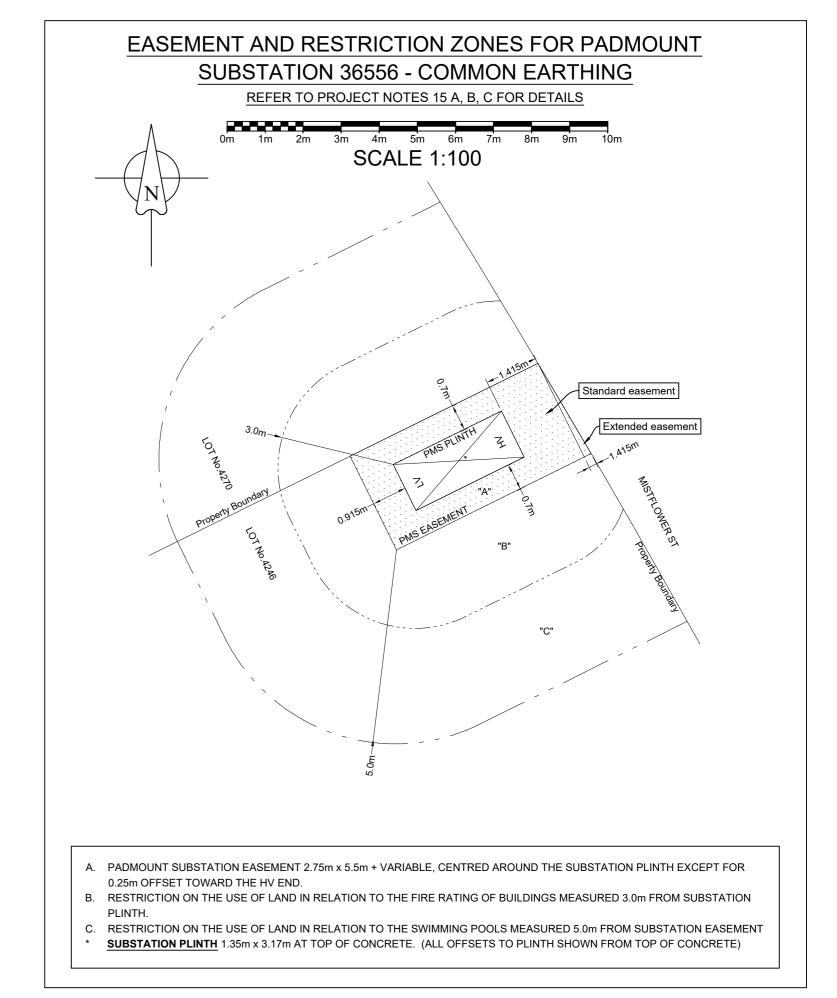
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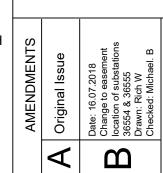
DIMENSIONS

METRES

Michael.J.B Design R. Walsh



WORKS COMPI	LETED / FIELD BOOK
Constructed By:	
Works Completed:	
Signature:	Date:
Inspected By:	
Signature:	Date:
ASSET	RECORDING
l:	
of:	
Contact No:	
Hereby certify that assets marked a accordance with Endeavour Energ	s-built on this drawing have been reco y's Standard SAD 004.



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Accredited Designer Number 2486 / ABN: 33107 591 846

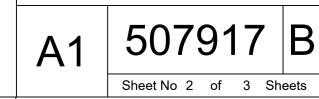
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/ING		Reference Drawings
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F ND	A508329	PLT1059 - Elara Blvd Precinct 3
OR	B507919	URS20162 - RETIC

Reference Drawings		Work Orders		CAP / SAMP No.	URS20162	
				AM Project. No.		
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B507919	URS20162 - RETIC	Underground		GIS Map No.	U82674	Data
		Substations		HV OP Diagram	MARSDEN PARK	Date
				Local Government Area	BLACKTOWN CITY	Checked

NEWPARK PRECINCT 4 RICHMOND ROAD MARSDEN PARK URS20162 **DUCT TRENCH & EASEMENT**





WAE Survey Coordinate Table **AHD** Height ID **Quality Level** Asset Property Line Cover Easting Northing **WAE Duct** 1.30 1.04 296182.68 6269561.21 17.78 **WAE Duct** 1.24 1.00 296166.30 6269572.83 17.46 3 WAE Duct 0.30 0.82 296167.99 6269544.56 17.88 A **WAE Duct** 0.94 0.90 296153.26 6269555.27 17.49 4 5 WAE Duct 1.05 1.30 296215.96 6269512.63 17.79 6 296225.79 6269527.92 17.82 WAE Duct 0.95 1.30 7 A **WAE Duct** 0.90 1.15 296353.19 6269367.65 19.37 8 Α **WAE Duct** 0.95 1.11 296363.93 6269345.95 19.57 9 296162.38 17.90 WAE Duct 0.42 1.20 6269211.41 6269203.78 10 Α WAE Duct 0.30 0.98 296147.54 17.90 11 **WAE Duct** 0.84 1.16 296136.26 6269261.06 17.53 12 296147.58 6269239.05 17.60 WAE Duct 0.90 1.25 13 A **WAE Duct** 0.55 1.80 296187.62 6269264.31 17.16 14 1.40 296183.94 6269278.99 17.65 WAE Duct 0.50 15 1.00 296216.39 6269278.72 18.11 WAE Duct 1.40 6269295.54 16 Α **WAE Duct** 0.96 0.86 296207.90 18.11 17 296206.83 6269296.33 17.80 WAE Duct 1.70 1.13 296194.75 18 0.79 6269290.30 17.83 WAE Duct 1.14 19 A WAE Duct 0.53 1.18 296178.18 6269345.97 17.41 20 296167.66 6269335.12 17.39 Α WAE Duct 0.60 1.21 21 296316.93 6269328.58 19.05 WAE Duct 1.13 0.98 22 Α WAE Duct 0.68 1.21 296312.63 6269342.28 18.85 23 1.06 296257.18 6269371.14 18.08 Α WAE Duct 0.80 24 0.85 1.34 296246.03 6269361.94 17.82 WAE Duct 25 Α WAE Duct 0.82 1.30 296234.98 6269402.54 17.58 26 1.15 296204.85 6269437.04 17.40 A WAE Duct 1.00 6269428.42 27 296193.29 17.36 WAE Duct 0.70 1.19 28 Α WAE Duct 0.80 1.13 296137.93 6269499.02 17.16 29 0.75 1.11 296132.18 6269474.10 17.02 WAE Duct 296098.34 6269292.60 30 17.06 WAE Duct 0.56 1.11 31 Α WAE Duct 0.52 0.99 296112.28 6269301.20 17.41 32 1.05 1.31 296342.04 6269678.93 16.63 WAE Duct 33 296350.63 6269666.82 16.60 WAE Duct 1.00 1.30 34 Α **WAE Duct** 0.85 1.20 296376.15 6269640.54 16.76 35 1.04 1.02 296388.74 6269649.61 16.76 Α WAE Duct 296396.05 36 WAE Duct 0.80 1.23 6269612.66 16.94 37 Α **WAE Duct** 1.00 1.10 296410.73 6269592.49 16.93 0.60 0.92 296385.05 6269570.80 **WAE Duct** 39 **WAE Duct** 0.80 296371.61 6269577.75 16.92 1.21 40 **WAE Duct** 0.73 1.11 296223.43 6269505.76 18.07 296277.07 6269478.26 41 WAE Duct 1.07 1.65 17.93 42 1.00 296293.14 6269459.82 18.43 WAE Duct 1.34 43 WAE Duct 0.63 1.26 296277.46 6269449.86 18.47 44 296311.28 6269404.00 18.98 WAE Duct 0.80 1.15 45 0.20 1.30 296331.18 6269408.19 18.94 WAE Duct 46 WAE Duct 1.10 1.13 296243.21 6269518.81 17.66 47 0.65 1.03 296320.12 6269519.71 17.74 WAE Duct 296331.51 48 **WAE Duct** 0.78 1.14 6269510.59 17.61 296363.22 6269546.76 17.25 49 WAE Duct 0.96 1.11 50 0.86 1.00 296351.70 6269555.13 17.37 WAE Duct 296313.44 16.99 51 **WAE Duct** 0.90 1.27 6269614.88 52 1.04 296299.90 6269620.55 17.01 WAE Duct 1.26 296394.30 53 0.71 1.18 6269428.05 17.96 WAE Duct 296407.08 54 **WAE Duct** 1.03 1.28 6269434.39 17.85 55 296389.63 6269467.80 17.55 WAE Duct 1.02 1.30 56 0.93 1.24 296375.44 6269463.48 17.57 WAE Duct 57 296406.98 6269388.85 18.69 WAE Duct 0.72 1.27 58 0.72 296411.35 WAE Duct 1.27 6269375.06 18.79 59 1.00 1.17 296411.35 6269375.07 18.80 Α WAE Duct 296446.84 60 WAE Duct 0.69 1.24 6269408.60 18.41 296450.22 6269394.40 18.41 61 WAE Duct 1.10 1.25 62 **WAE Duct** 0.65 1.27 296496.42 6269416.70 18.11 Α 296489.93 63 **WAE Duct** 0.70 1.09 6269429.87 18.24 64 0.94 296521.02 6269380.28 18.07 WAE Duct 1.10 65 WAE Duct 1.27 1.25 296534.65 6269386.99 17.75 66 **WAE Duct** 1.27 1.25 296534.65 6269386.99 17.74

CERTIFIED BY ENDEAVOUR ENERGY Amendment: Date Approved: Examiner's Signature: _____ Print Name: This Certification is issued subject to Endeavour Energy's Standard Certification Terms.

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RESULT OF THIS DESIGN.

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					AM Project. No.	
	B505359	URS19233 - Newpark Precinct 2	General		HV Switching	
	A508329	PLT1059 - Elara Blvd Precinct 3 - Education	Overhead		UBD/Penguin Ref No.	126
	B507919	URS20162 - RETIC	Underground		GIS Map No.	U826
			Substations		HV OP Diagram	MAF
					Local Government Area	BLA

		SCALE 1:1000
26 C:11	Drawn	R. Walsh
J82674	Date	16.07.2018
MARSDEN PARK	Date	10.07.2016
BLACKTOWN CITY	Checked	Michael.J.B

URS20162

NEWPARK DO NOT PRECINCT 4 SCALE RICHMOND ROAD DIMENSIONS MARSDEN PARK **METRES** URS20162 **DUCT TRENCH & EASEMENT** J.B Design R. Walsh

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