

Substations

HV OP Diagram

Local Government Area | BLACKTOWN CITY

MARSDEN PARK

WILL BE ACCEPTED BY THE DESIGNER OF THIS

PROJECT FOR DAMAGE TO EXISTING SERVICES AS A

RESULT OF THIS DESIGN.

USED WITHOUT THE

WRITTEN CONSENT OF

URS17974

URS18495

502648A RETIC

503195A RETIC

URS19233

505358C DTE

URS19233 | 505359C RETIC

PO BOX 338 Mittagong NSW 2575

Ph (02) 4872 1920 Fax (02) 4872 1240

Accredited Designer Number 2486 / ABN: 33107 591 846

Sheet No 1 of 4 Sheets 12

LOT 3 DP 1225885

ELECTRICAL RETICULATION

11

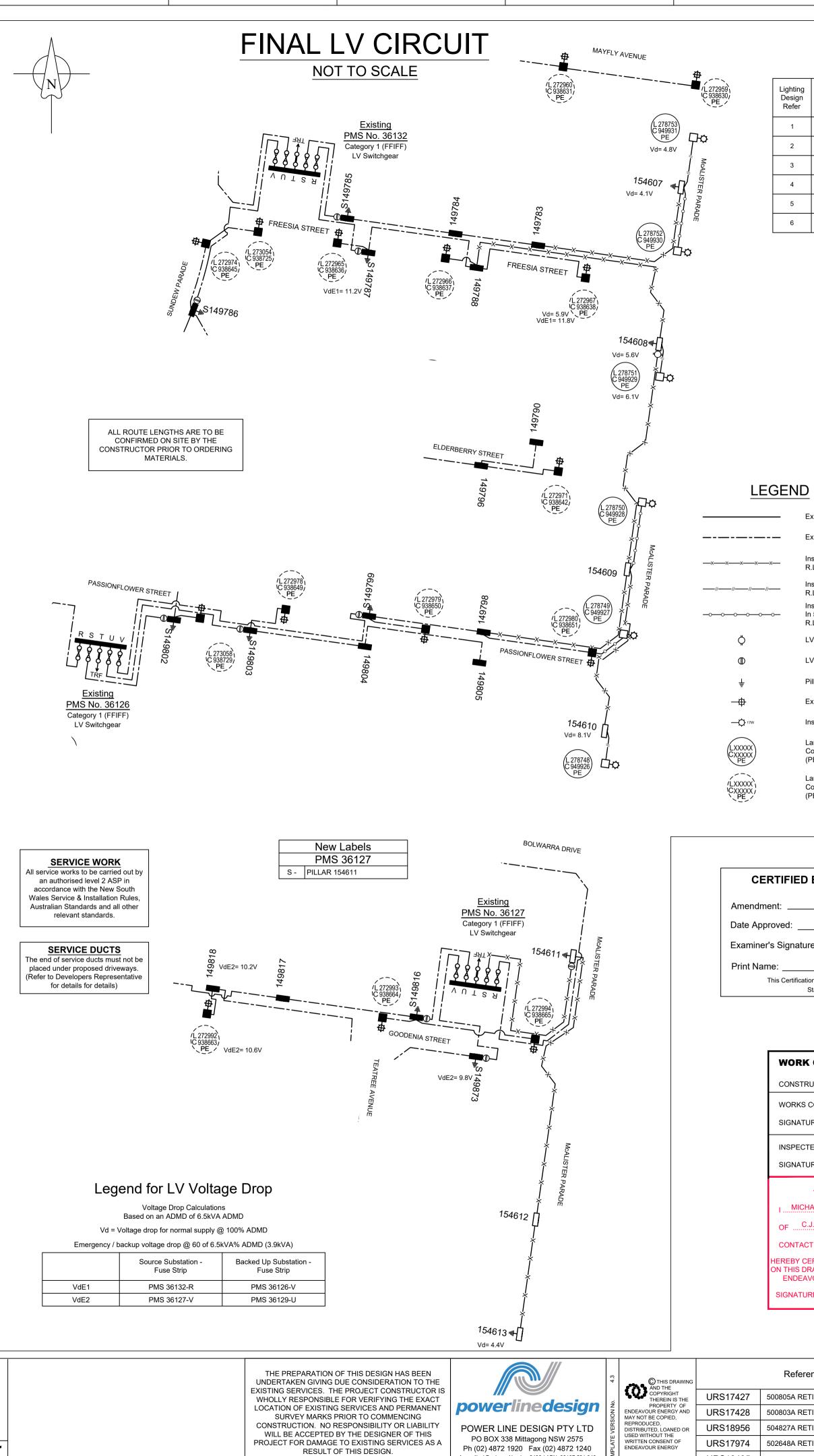
Date

Checked

27.02.2018

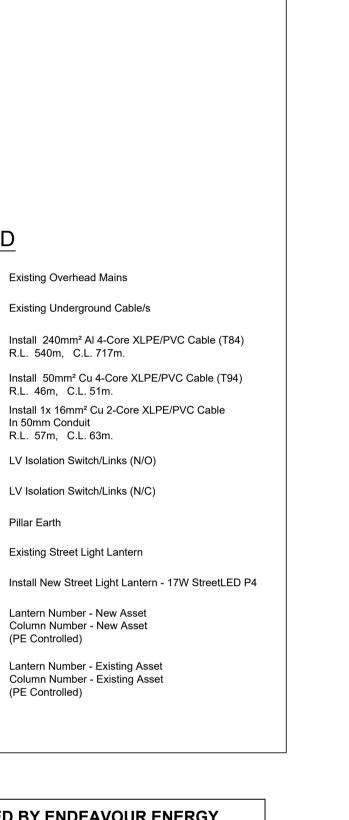
M.J.B

Z MOORE



Lighting Equipment & Billing Schedule

Lighting Design Refer	State	Luminaire	Support	Luminaire		Column / Pole			Outreach / Bracket			Upcast	Category	Caluman Calaum	Charge To				
		Number Number	Number	Number	Description	Part No.	Rate Code	QTY	Description	Part No.	Footing Bolt / Foundation	Rate Code	QTY	Description	Part No.	Rate Code	Angle	Category	Column Colour
1	New	278748	949926	17W StreetLED (Gerard)	JLB99G05L17	889	1	5.5m Enlarged Base Column	IE/5.5.EB	Type 2 /Type 2 (<9.0m)	995	1	3.0m Eden Outreach	IE3.0SOR/EDN	991	5°	P4	Powdercoated Black	Blacktown City Council
2	New	278749	949927	17W StreetLED (Gerard)	JLB99G05L17	889	1	5.5m Enlarged Base Column	IE/5.5.EB	Type 2 /Type 2 (<9.0m)	995	1	3.0m Eden Outreach	IE3.0SOR/EDN	991	5°	P4	Powdercoated Black	Blacktown City Council
3	New	278750	949928	17W StreetLED (Gerard)	JLB99G05L17	889	1	5.5m Enlarged Base Column	IE/5.5.EB	Type 2 /Type 2 (<9.0m)	995	1	3.0m Eden Outreach	IE3.0SOR/EDN	991	5°	P4	Powdercoated Black	Blacktown City Council
4	New	278751	949929	17W StreetLED (Gerard)	JLB99G05L17	889	1	5.5m Enlarged Base Column	IE/5.5.EB	Type 2 /Type 2 (<9.0m)	995	1	3.0m Eden Outreach	IE3.0SOR/EDN	991	5°	P4	Powdercoated Black	Blacktown City Council
5	New	278752	949930	17W StreetLED (Gerard)	JLB99G05L17	889	1	5.5m Enlarged Base Column	IE/5.5.EB	Type 2 /Type 2 (<9.0m)	995	1	3.0m Eden Outreach	IE3.0SOR/EDN	991	5°	P4	Powdercoated Black	Blacktown City Council
6	New	278753	949931	17W StreetLED (Gerard)	JLB99G05L17	889	1	5.5m Enlarged Base Column	IE/5.5.EB	Type 2 /Type 2 (<9.0m)	995	1	3.0m Eden Outreach	IE3.0SOR/EDN	991	5°	P4	Powdercoated Black	Blacktown City Council



CERTIFIED BY ENDEAVOUR ENERGY

R.L. 46m, C.L. 51m.

Existing Street Light Lantern

Lantern Number - New Asset Column Number - New Asset

(PE Controlled)

(PE Controlled)

In 50mm Conduit R.L. 57m, C.L. 63m.

Pillar Earth

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 CHRIS JOWETT DATE 30/10/18

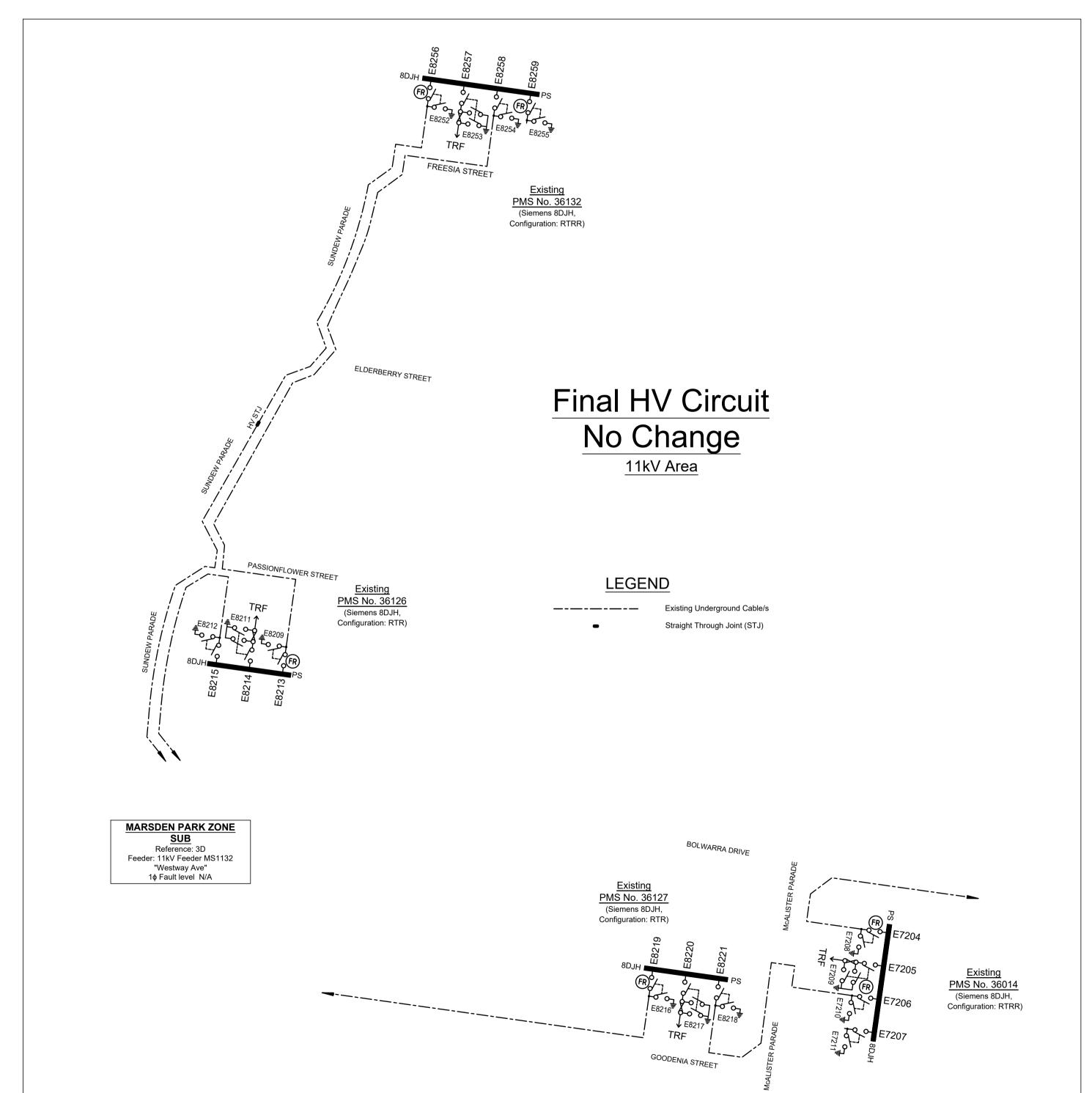
INSPECTED BY MICHAEL WIER SIGNATURE

ASSET RECORDING

MICHAEL PULLING OF ... C.J. DOYLE CONTRACTING

CONTACT No 8784-1931

IEREBY CERTIFY THAT ASSETS MARKED AS-BUILT N THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD SAD 0004. SIGNATURE MICHAEL PULLING DATE 30/10/18



Accredited Designer Number 2486 / ABN: 33107 591 846

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URS17427 | 500805A RETIC | NUL0572 | 500653A RETIC General 500803A RETIC | URS16140 | 408751A RETIC Overhead 504827A RETIC URS20371 | 509323A DTE Underground URS17974 | 502648A RETIC | URS19233 | 505358C DTE Substations

CAP / SAMP No. URS20371 Reference Drawings Work Orders 2017/04850/001 AM Project. No. HV Switching UBD/Penguin Ref No. | C11 126 Drawn GIS Map No. U82674 Date 27.02.2018 HV OP Diagram MARSDEN PARK Checked URS18495 | 503195A RETIC | URS19233 | 505359C RETIC Local Government Area | BLACKTOWN CITY

DO NOT SCALE DIMENSIONS Z MOORE **METRES**

Z MOORE

ORIGINAL

SCALE

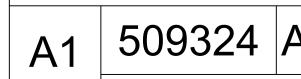
NTS

M.J.B

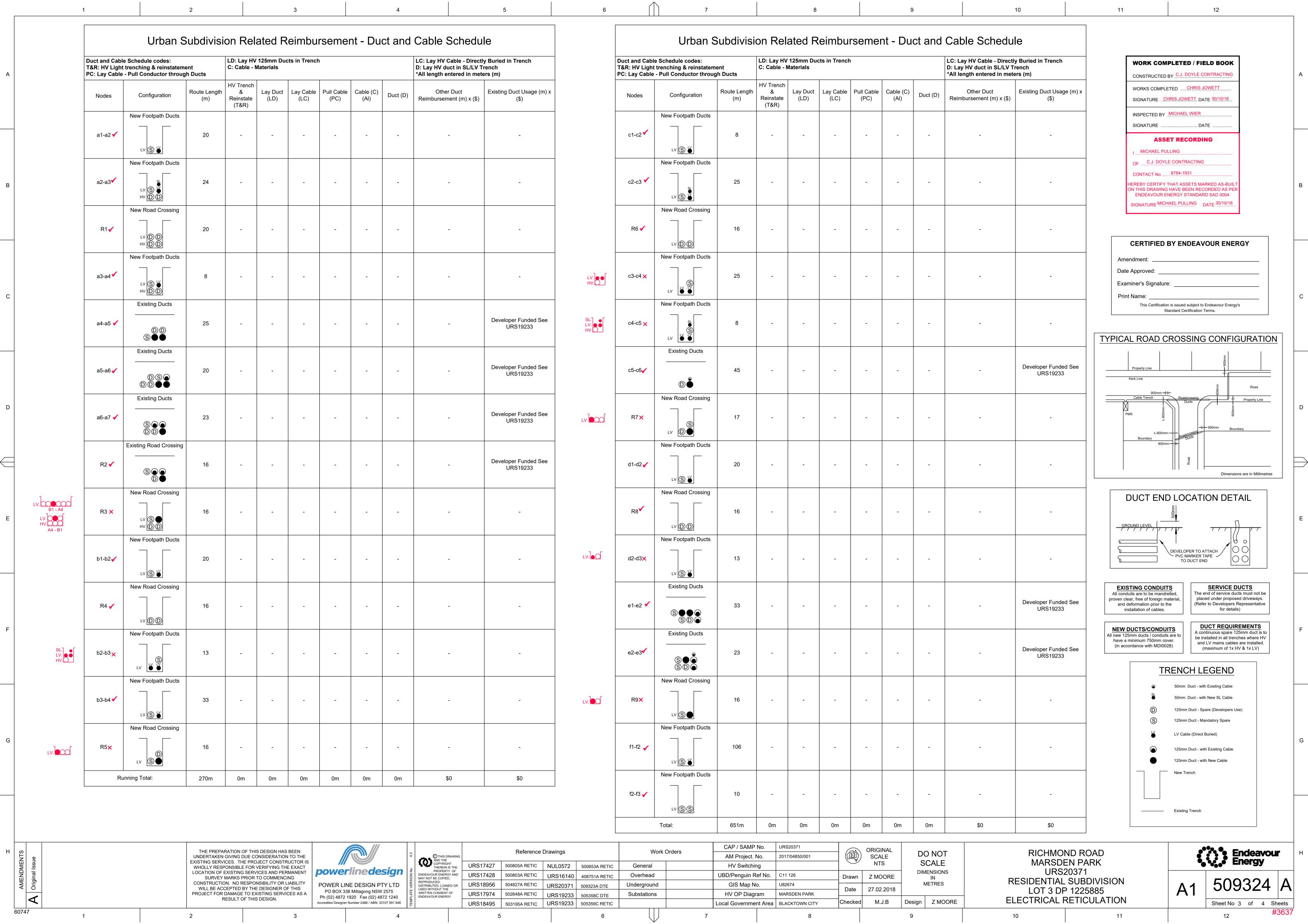
RICHMOND ROAD MARSDEN PARK URS20371 RESIDENTIAL SUBDIVISION LOT 3 DP 1225885 **ELECTRICAL RETICULATION**

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Sheet No 2 of 4 Sheets



WAE SURVEY COORDINATE TABLE - MGA 56 **EASTING** NORTHING AHD HEIGHT LEVEL -0.75 DUCT END 296877.990 6269873.940 24.18 DUCT END -0.75 296879.340 6269885.520 6269905.390 ROUTE -0.75 24.55 0.86 296885.700 6269930.060 24.30 ROUTE 0.90 -0.75 296888.460 6269949.280 0.90 -0.75 296891.660 24.19 -0.75 ROUTE 296892.970 6269982.600 ROUTE AT DUCT CROSSING 296887.100 23.14 Α -0.75 6269989.700 ROUTE 0.90 -0.75 296896.500 6270007.300 23.71 -0.75 ROUTE 6270019.440 DUCT END 23.18 0.90 -0.75 296900.090 6270031.820 ROUTE 0.90 -0.75 296900.080 6270032.440 23.09 ROUTE AT DUCT CROSSING 0.90 -0.75 296901.070 6270032.700 22.89 DUCT CROSSING N/A N/A 296901.290 6270032.770 23.20 DUCT END -0.75 296900.400 6270033.540 ROUTE 0.90 -0.75 296901.910 6270045.010 23.33 -0.75 6270095.190 DUCT END 0.88 -0.75 6270107.780 23.84 296910.660 ROUTE 0.88 -0.75 296912.390 6270120.250 23.75 6270132.900 0.96 -0.75 296914.040 23.52 ROUTE @ DUCT CROSSING -0.75 296909.110 ROUTE @ DUCT CROSSING 6270152.710 -0.75 296911.110 22.74 DUCT CROSSING N/A N/A 296911.020 6270152.560 22.84 -0.75 ROUTE -0.75 296917.840 6270157.830 23.22 ROUTE @ DUCT CROSSING 1.60 -0.75 296921.900 6270183.130 22.77 **DUCT CROSSING** N/A N/A 296922.010 6270183.100 22.89 1.02 296921.300 Α ROUTE -0.75 22.82 296924.680 6270208.160 ROUTE 0.87 -0.75 296920.050 6270214.370 22.38 ROUTE @ DUCT CROSSING -0.75 296919.840 DUCT CROSSING 6270214.710 22.44 N/A 296919.880 23.65 ROUTE AT DUCT CROSSING 0.90 -0.75 296891.210 6270001.030 41 **DUCT CROSSING** 296863.490 6270299.460 19.61 N/A N/A ROUTE 0.87 296863.700 6270299.030 19.69 -0.75 ROUTE 0.90 296865.700 6270312.650 19.46 ROUTE 0.90 -0.75 296866.350 6270312.640 19.54 **DUCT END** 0.90 -0.75 296868.090 6270312.510 19.69 DUCT END -0.75 20.36 0.96 296888.160 6270309.920 20.37 49 **DUCT END** 0.90 -0.75 6270309.760 296890.190 53 ROUTE 0.99 -0.75 296940.240 6270307.970 21.37 Α ROUTE 0.90 -0.75 296932.820 6270303.710 20.83 -0.75 ROUTE AT DUCT CROSSING 0.90 296932.380 6270303.390 21.05 **DUCT CROSSING** N/A N/A 296932.280 6270303.020 21.19 DUCT CROSSING N/A 296930.480 6270289.950 21.43 N/A 0.90 -0.75 21.42 ROUTE 296930.810 6270289.540 21.98 ROUTE 0.90 -0.75 296935.280 6270283.580 60 0.86 -0.75 296933.670 6270270.710 22.13 ROUTE 0.86 -0.75 296931.940 6270258.350 22.63 -0.75 ROUTE 0.90 296928.250 6270232.960 22.77 Α 63 -0.75 22.37 ROUTE 0.90 296922.210 6270228.530 **DUCT END** -0.75 6270350.630 21.26 0.90 296950.630 DUCT END -0.75 0.89 296945.970 6270331.650 21.53 -0.75 23.05 88 ROUTE 0.90 296909.530 6270139.000 ROUTE AT DUCT CROSSING 22.31 89 0.90 -0.75 296921.940 6270227.790 Α ROUTE AT DUCT CROSSING 0.90 -0.75 296930.600 6270289.760 21.39

	WAE SURVEY COO	: ALL SURFACE ASSETS ARE			
ID	ASSET	NOTES	EASTING	NORTHING	AHD HEIGHT
43	Existing pillar 149788		296863.409	6270298.744	20.76
50	Existing pillar 149783		296887.754	6270310.377	21.24
66	Pillar 154613		296878.993	6269885.486	25.13
69	Pillar 154612		296885.349	6269930.094	25.20
70	Pillar S154611		296899.773	6270032.644	24.35
73	S/L 949926		296910.285	6270107.767	24.58
74	Pillar 154610		296912.068	6270120.258	24.48
76	S/L 949927		296917.511	6270158.164	24.18
77	Pillar 154609		296920.891	6270183.100	23.94
78	S/L 949928		296924.266	6270207.694	23.82
79	S/L 949929		296931.531	6270258.374	23.29
82	Pillar S 154608		296933.280	6270270.646	23.08
84	S/L 949930		296940.042	6270308.558	22.53
86	Pillar 154607		296945.483	6270331.156	22.25
88	S/L 949931		296950.267	6270350.757	22.18

WORK COMPLETED / FIELD BOOK CONSTRUCTED BY C.J. DOYLE CONTRACTING WORKS COMPLETED CHRIS JOWETT SIGNATURE ...CHRIS.JOWETT. DATE 30/10/18 INSPECTED BY MICHAEL WIER SIGNATURE **ASSET RECORDING** MICHAEL PULLING OF ... C.J. DOYLE CONTRACTING CONTACT No 8784-1931 EREBY CERTIFY THAT ASSETS MARKED AS-BUILT N THIS DRAWING HAVE BEEN RECORDED AS PER ENDEAVOUR ENERGY STANDARD SAD 0004.

SIGNATURE MICHAEL PULLING DATE 30/10/18

CERTIFIED B	Y ENDEAVOUR ENERGY
Amendment:	
Date Approved:	
Examiner's Signature:	
Print Name:	

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 powerlinedesign LOCATION OF EXISTING SERVICES AND PERMANENT SURVEY MARKS PRIOR TO COMMENCING CONSTRUCTION. NO RESPONSIBILITY OR LIABILITY POWER LINE DESIGN PTY LTD WILL BE ACCEPTED BY THE DESIGNER OF THIS PO BOX 338 Mittagong NSW 2575 PROJECT FOR DAMAGE TO EXISTING SERVICES AS A Ph (02) 4872 1920 Fax (02) 4872 1240

RESULT OF THIS DESIGN.

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Reference Drawings

		Reference	Drowingo		\Mark (Orders	OAI / OAIVII 140.	61(620071
WING		Reference	Drawings		VVOIK	Orders	AM Project. No.	2017/04850/001
HE	URS17427	500805A RETIC	NUL0572	500653A RETIC	General		HV Switching	
AND	URS17428	500803A RETIC	URS16140	408751A RETIC	Overhead		UBD/Penguin Ref No.	C11 126
OR	URS18956	504827A RETIC	URS20371	509323A DTE	Underground		GIS Map No.	U82674
	URS17974	502648A RETIC	URS19233	505358C DTE	Substations		HV OP Diagram	MARSDEN PARK
	URS18495	503195A RETIC	URS19233	505359C RETIC			Local Government Area	BLACKTOWN CITY

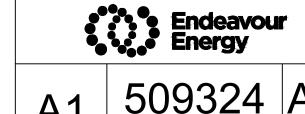
CAP / SAMP No.

URS20371

	ORIGINAL SCALE NTS	DO NOT SCALE				
Drawn	Z MOORE	DIMENSIONS IN				
Date	27.02.2018	יו	METRES			
Checked	M.J.B	Design	Z MOORE			

RICHMOND ROAD MARSDEN PARK URS20371 RESIDENTIAL SUBDIVISION LOT 3 DP 1225885 **ELECTRICAL RETICULATION**

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