

WORK COMPLETED / FIELD BOOK

CONSTRUCTED BY

WORKS COMPLETED

SIGNATURE DATE

INSPECTED BY

SIGNATURE DATE

ASSET RECORDING

1

OF

CONTACT No

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

SIGNATURE DATE

WAE Survey Coordinates Table URS22863								
Feature ID	Quality Level	Asset	Property Line	Cover	Notes	Easting	Northing	AHD Height
1	A	Duct End	0.97	1.05	Trench	285769.18	6282371.38	44.16
2	A	Duct End	0.94	0.97	Trench	285783.12	6282359.87	44.23
3	A	Duct End	1.05	1.10	Trench	285886.48	6282344.33	39.23
4	A	Duct End	0.98	0.94	Trench	285875.16	6282330.38	39.41
5	A	Duct End	0.98	0.86	Trench	285966.24	6282257.77	39.05
6	A	Duct End	0.92	0.90	Trench	285974.55	6282268.05	39.00
7	A	Duct End	0.92	1.12	Trench	286422.7	6282379.31	27.86
8	A	Duct End	0.97	1.10	Trench	286436.82	6282381.2	27.83
9	A	Duct End	0.95	1.02	Trench	286541.83	6282362.11	31.17
10	A	Duct End	1.08	0.84	Trench	286524.16	6282361.66	31.43
11	A	Duct End	0.95	0.87	Trench	286624.64	6282395.15	30.13
12	A	Duct End	1.01	0.83	Trench	286633.46	6282379.06	30.15

WARNING

LIVE ENDEAVOUR ENERGY CABLES AND OTHER SERVICES EXIST IN THIS AREA. PLEASE CONTACT 'DIAL BEFORE YOU DIG' ON TEL-1100 FOR SEARCH INFORMATION A MINIMUM TWO DAYS PRIOR TO EXCAVATION

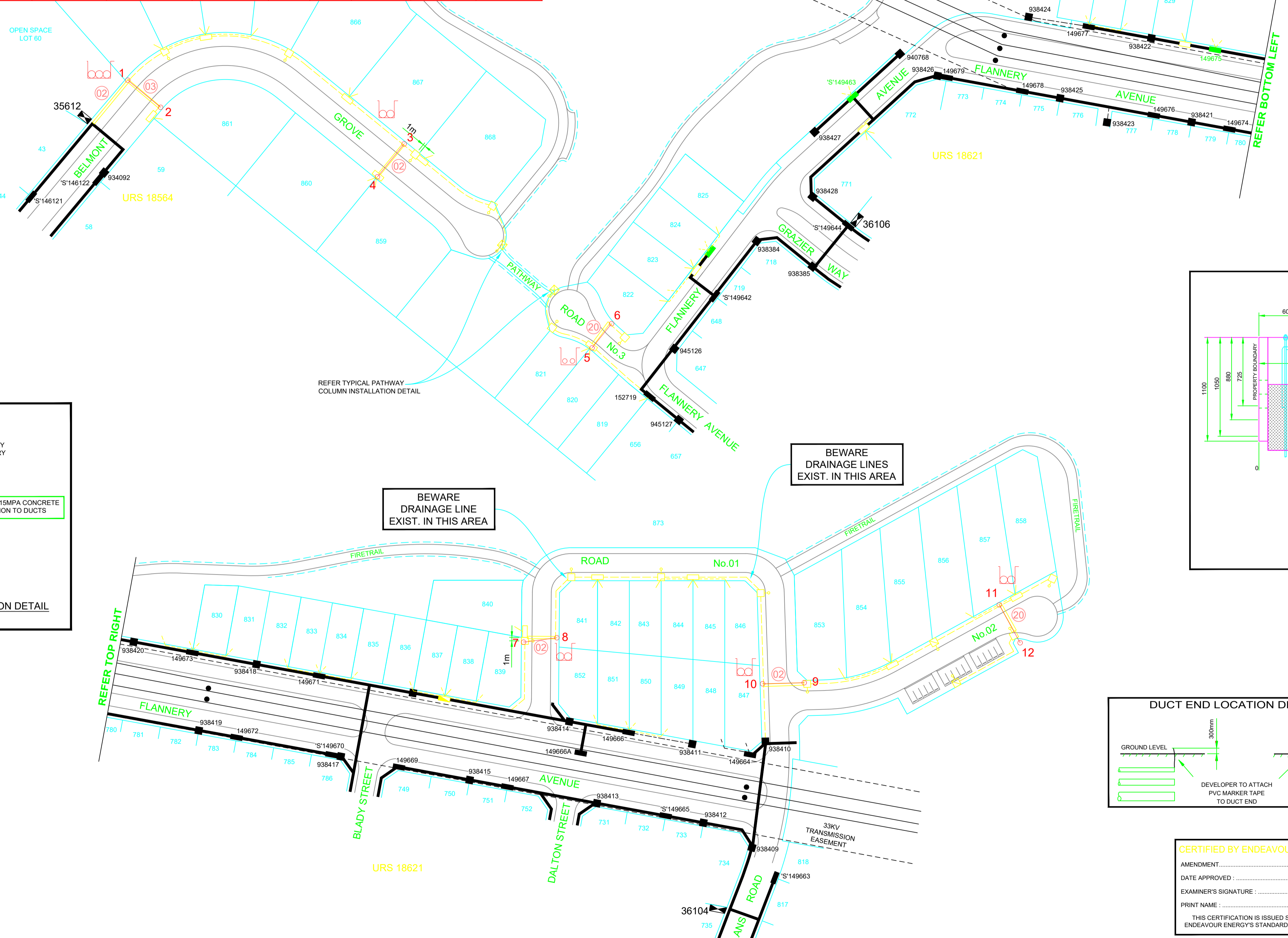
HV TRENCH LENGTH -m

LV TRENCH LENGTH 705m

TOTAL TRENCH LENGTH 705m

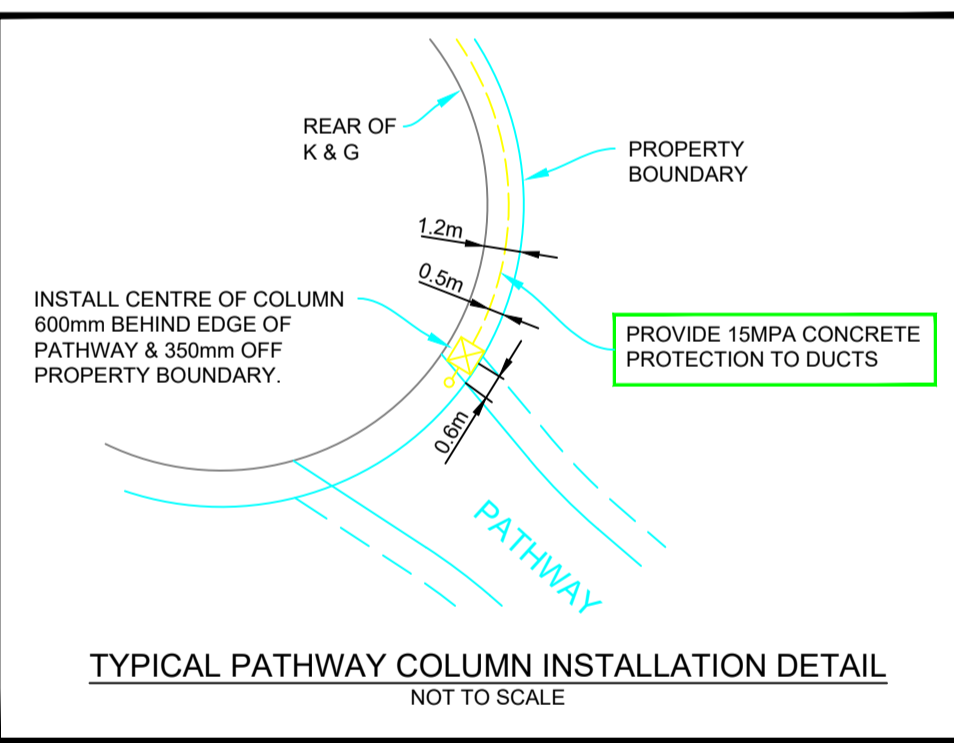
- NOTES**
- THIS IS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ENDEAVOUR ENERGY NETWORK STANDARDS & CONNECTION POLICY.
 - REFER TELSTRANBN DESIGN LAYOUT FOR DUCTING AND EXCAVATION REQUIREMENTS.
 - ATTENTION - PERMANENT SURVEY MARKS MAY EXIST IN THIS AREA. THESE ARE TO BE LOCATED BY A SURVEYOR PRIOR TO THE COMMENCEMENT OF WORK.
 - WARNING - LIVE ENDEAVOUR ENERGY CABLES AND OTHER SERVICES IN THIS AREA. PLEASE CONTACT 'DIAL BEFORE YOU DIG' ON TEL-1100 FOR SEARCHES A MINIMUM TWO DAYS PRIOR TO EXCAVATION.
 - ALL THE REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AUTHORITY POLLUTION CONTROL LEGISLATION IS TO BE STRICTLY ADHERED TO.

- LEGEND**
- EXISTING PADMOUNT SUBSTATION
 - PROPOSED LV PILLAR LOCATION
 - EXISTING LV PILLAR LOCATION
 - PROPOSED S.L. COLUMN LOCATION
 - EXISTING S.L. COLUMN LOCATION
 - LV CABLE TRENCH
 - EXISTING UNDERGROUND CABLE
 - INSTALL 40mm PVC SERVICE CONDUIT
 - EXISTING OVERHEAD MAINS
 - PROPOSED DUCT LOCATIONS
 - EXISTING DUCT LOCATIONS
 - EXISTING POLE
 - DUCT CONFIGURATION - REFER MCI 0006 SECTION 4



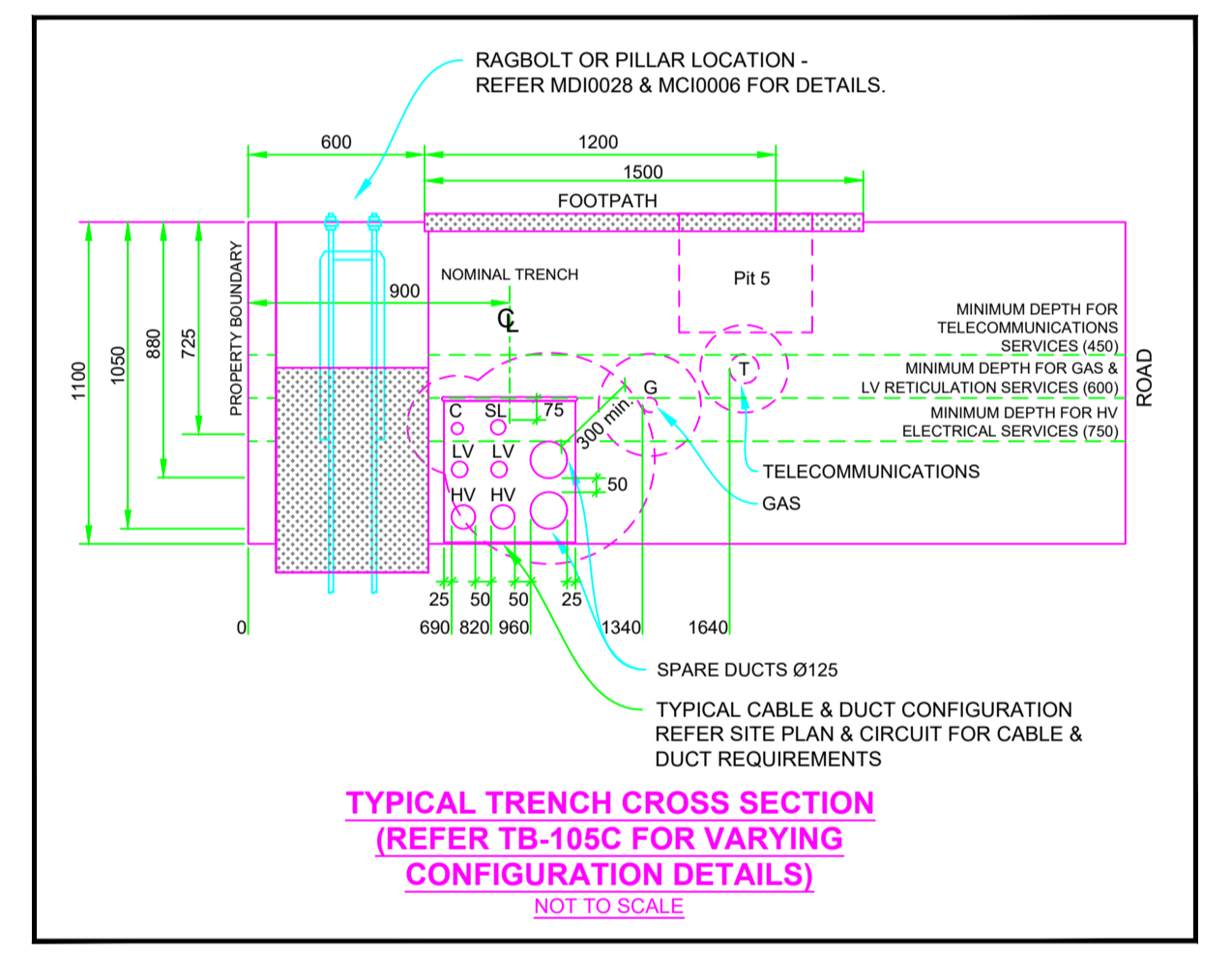
ALL WORKS TO BE CONSTRUCTED ARE TO BE COMPLETED IN ACCORDANCE WITH ENDEAVOUR ENERGY'S GENERIC ENVIRONMENTAL PLAN - EMS 0001.

ALL S.L. COLUMNS ARE TO BE INSTALLED 350mm FROM THE FRONT PROPERTY BOUNDARIES UNLESS SHOWN OTHERWISE.



BWARE DRAINAGE LINE EXIST. IN THIS AREA

BWARE DRAINAGE LINES EXIST. IN THIS AREA



DUCT DECLARATION

I, **DANIEL WEBBER**, OF **UNDERGROUND CABLE SYSTEMS PTY LTD**, CONTACT NUMBER **0438 159 967**, HEREBY CERTIFY THAT THE DUCTS SHOWN ON THIS DRAWING HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS DRAWING AND ENDEAVOUR ENERGY STANDARDS MDI 0028 & MCI 0006. THE DUCT DEPTHS AND LOCATIONS AT EACH END HAVE BEEN CORRECTLY MARKED ON THIS DRAWING AS PER ENDEAVOUR ENERGY STANDARD SAD 0004.

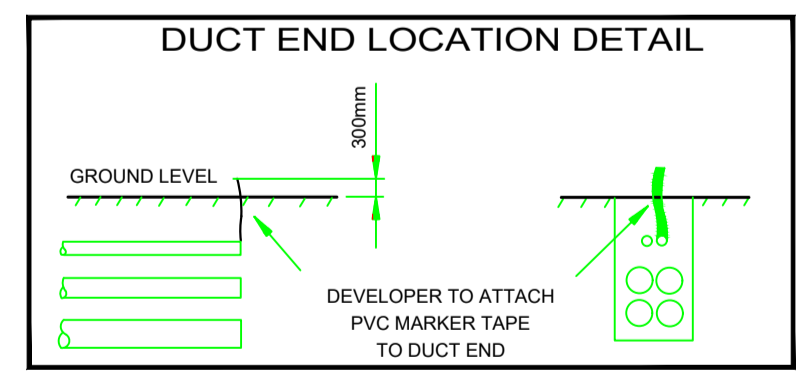
THE INSTALLATION OF THE DUCTS WAS COMMENCED ON **19/12/2019** & COMPLETED ON **15/01/2020**.

SIGNATURE **DANIEL WEBBER**

IDENTIFICATION NUMBER

DATE **19/03/2020**

LAND SURVEYOR REGISTERED UNDER SURVEYING AND SPATIAL AGT 2002 - LEVEL 1 ASP



CERTIFIED BY ENDEAVOUR ENERGY

AMENDMENT

DATE APPROVED

EXAMINER'S SIGNATURE

PRINT NAME

THIS CERTIFICATION IS ISSUED SUBJECT TO ENDEAVOUR ENERGY'S STANDARD CERT. TERMS.

DESIGN COMPLIANCE AND INDEMNITY

This design complies with the Endeavour Energy's relevant standards as current at this time and as listed on the Endeavour Energy Accredited Service Provider's Internet site. These standards include, but 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 0001 : Design Drawing Standard
- MMI : Mains Maintenance Instruction
- SMI : Substation Maintenance Instruction
- LDI 0001 : Public Lighting Electrical Design Element

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

ESTATE POWER DESIGN (Company name) indemnifies Endeavour Energy for any loss or damage resulting from non-compliance of the design with the above standards.

Signed **BRIAN JUDE**

Name **BRIAN JUDE**

Service Provider Number 1033 Date 17 / 09 / 2019

EPD REFERENCE No. **10/233/EDPP**

ESTATE POWER DESIGN PTY LIMITED
ABN 69 002 331 142
ELECTRICAL RETICULATION CONSULTANTS
P.O. BOX 1872, PENRITH BC, 2751
TEL: (02) 4731-8333 FAX (02) 4731-1594
EMAIL: brian@estatepower.com.au

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TEMPLATE VERSION No. 5.0
EPD 4.3

REFERENCE DRAWING'S	WORK ORDERS
515935 ELECTRICAL RETICULATION	GENERAL
	OVERHEAD
	UNDERGROUND
	SUBSTATIONS

CAP / SAMP No.	URS 22863
AM PROJ. No.	2019/00906/001
HV SWITCHING	-
UBD/PENGUIN REF	MAP 63 REF G13
GIS MAP No.	6482.94
HV OP DIAGRAM	NTH RICHMOND J4
LOCAL GOV AREA	HAWKESBURY

ORIGINAL SCALE	DO NOT SCALE
1:1000	IN METRES
DRAWN	E.C.
DATE	17.09.19
DESIGN	E.C.

LOT 796 DP1233055
OFF FLANNERY AVENUE
PLOUGHMANS PRECINCT, REDBANK ESTATE
NORTH RICHMOND
URS 22863
DUCT, EASEMENT & TRENCH REQUIREMENTS

Endeavour Energy

A1 515937 A

SHEET No. 1 OF 1 SHEETS