



ABN 48 612 666 172

Sydney | Brisbane

Level 23, 101 Miller St
North Sydney NSW 2060

PO Box 3
North Sydney NSW 2059
Ph (02) 94371000

22 June 2021

Deicorp Projects (Showground) Pty Ltd
Level 3, 161 Redfern Street
REDFERN NSW 2016

Attention: J. Khnouf

**RE: Doran Drive, 2 Mandala Parade, Castle Hill NSW
3x1500kVA Transformer Surface Chamber Substation**

JOB NO: 200236

REVISION: [B]

JHA Consulting Engineers have been engaged as the Level 3 Accredited Service Provider to undertake Level 3 ASP design works for electrical infrastructure associated with the new development located at 2 Mandala Parade, Castle Hill NSW.

To achieve the required electrical supply to the new development, JHA have determined a 3 x 1500kVA transformer surface chamber substation will be required.

The new chamber substation has been located in accordance with Electrical Supply Authority (Endeavour Energy) requirements to be wholly within the property boundary and incorporated within the building envelope. Coordination to date directly with Endeavour Energy has been made for the design works for the new substation which are in line with authority expectations. An application has already been submitted and a Design Brief has been received (UML9697, appended to this letter).

Additionally, appropriate notifications have also been undertaken with The Hills Shire Council and surrounding residents / occupiers in accordance with SEPP (Infrastructure) and ES Act for the proposed design. Council did not provide any further comment within the 40-day notification period indicating a non-contention of the proposed works. The Council notification is attached to this letter.

The chamber substation and associated high / low voltage connection works will be completed in accordance with the standard Endeavour Energy Contestable ASP3 process with the following staging expectations:

1. ASP3 detailed design documentation is currently underway with the intention to have an Endeavour Energy certified design for construction available by the first quarter of 2022 (pending final DA approved arrangements and locked-in architectural documentation)
2. Construction timing of the project will be subject to Endeavour Energy officers and the ASP1 contractor, however as an estimation, would be considered similar to the following:
 - a. Transformer lead-time is approximately 14-16 weeks; to be ordered shortly after ASP1 engagement
 - b. Substation Chamber to be coordinated and constructed as part of the overall development construction of Upper Ground and Level 01 civil works
 - c. External trench and conduit work for new HV / LV infrastructure can occur in parallel to substation chamber civil works (refer to Council Notice appended to this letter for proposed trench and cabling arrangements)
 - d. Substation chamber electrical fitout undertaken once chamber civil works are complete, in parallel to the remainder of the building construction works above
 - e. HV feeder connections, cable installation and jointing works to existing networks to be undertaken slightly prior to Endeavour Energy scheduled outage and energisation timing
 - f. Once energised, the substation can be used for additional construction power of upper building levels

I am an appropriately qualified and competent person in this area and as such can certify that the ongoing design complies with all Endeavour Energy requirements, however is subject to change.

Full Name of Designer:	Kosma Tzannes
Qualifications:	B. Engineering (Telecommunications)
Address of Designer:	Level 23, 101 Miller Street North Sydney NSW 2060
Business Telephone No:	(02) 9437 1000
Name of Employer:	JHA Consulting Engineers

Yours sincerely,



Kosma Tzannes
Senior Associate

20 November 2020



Endeavour Energy Ref: UML9697 – 2020/00908/001

JHA Consulting Engineers Pty Ltd
PO BOX 3
NORTH SYDNEY NSW 2059

Attention: Wayne Armstrong

Dear Sir/Madam

UML9697 – LOT DP Connection of Load Application: 2 Mandala Parade, CASTLE HILL

Your Proposed Method of Supply has been assessed, and Endeavour Energy has determined the method of supply requirements as outlined in the enclosed Design Brief. Please use this Design Brief in preparation of the design package which you will submit for certification.

The design must comply with all the conditions specified in this document, the Terms and Conditions of Endeavour Energy's Model Standing Offer for a Standard Connection Service and all relevant Endeavour Energy standards and instructions.

This Design Brief is valid for three (3) months from the date of issue.

A final Determination of Funding and a Payment Advice for Ancillary Network Services Fees applicable to this phase of the project are attached.

Property tenure is required for this project.

The applicable bond for this project is:

Property Tenure Bond

\$20,000.00

A Payment Advice for the total bond required is attached. This Payment Advice along with the agreement to enter (Form FPJ 5013), signed by the owner, must be returned with the evidence of payment of the Property Tenure Bond.

Should you have any enquiries regarding your application please contact the undersigned.

Yours faithfully,

A handwritten signature in cursive script that reads "Waheed".

Waheed Ebrahimi
Contestable Works Officer/Engineer
Ph: 98535643
Email: cwtech@endeavourenergy.com.au

20 November 2020

Endeavour Energy Ref: UML9697 – 2020/00908/001

Design Brief

Method Of Supply Requirement:

Proposed method of supply by Wayne Armstrong:

Refer to PMOS documents.

Condition of supply:

1. Close Sw 27202 @ Sub 35424.
2. Open switch in UML9697 so that UML9697 is supplied from feeder 27202.
3. Install spare ducts as per MDI0028.
4. Provide updated load application form that matches with maximum demand calculations.
5. The new indoor substation need to be installed according to Endeavour Energy standards.

Determination of Funding

Endeavour Energy Supplied Materials:

Nil

Endeavour Energy Funded and Constructed:

Nil

Endeavour Energy Funded and Customer (ASP L1) Constructed – Reimbursement Paid by Endeavour Energy:

Capital contribution:

- 3 x 1500 kVA transformer only
- Spare HV duct as per Fact Sheet 11

Reimbursements to be paid to Endeavour Energy by Customer:

Nil

Customer Funded Non-Contestable Works:

Network switching, substation commissioning, contract inspection

Customer Funded Contestable Works:

All other works required.

PAYMENT ADVICE/PRO FORMA TAX INVOICE

ANCILLARY NETWORK SERVICES FEES



ABN 11 247 365 823

Applicant: Vby Deicorp (c/o JHA Consulting Engineers Pty Ltd)
Address: PO BOX 3
NORTH SYDNEY NSW 2059

Project Address: 2 Mandala Parade
CASTLE HILL NSW

Fees and Charges quoted in this letter are valid for 3 months Endeavour Energy reserves the right to amend the fees and charges at any time subject to any regulatory approval.

The required AER Monopoly fees and charges consist of:-

Standard Connection Offer Fee	15-07-2020	\$266.18
Design Information Fee	15-07-2020	\$3549.26
Design Certification Fee	15-07-2020	\$3549.26
Administration Fee	15-07-2020	\$586.79
Total		\$7951.49

Total Amount Due: \$ 7951.49 GST inclusive

Please follow the payment instructions below to avoid unnecessary delay in processing your payment.

Endeavour Energy's preferred method of payment is EFT.
BSB: 012-003 Account Number: 8376 89858

Please quote our reference UML9697 in the EFT transaction reference field
Please email a copy of the remittance to remittances@endeavourenergy.com.au

Payment made by cheque will also be accepted.

Credit Cards will not be accepted

Cheque to be made payable to ENDEAVOUR ENERGY

Please attach the cheque with this form and post to:
PO Box 811, SEVEN HILLS NSW 1730

Your Tax Invoice will be forwarded to you upon the receipt of your payment.

PAYMENT ADVICE/PRO FORMA INVOICE
BOND



ABN 11 247 365 823

Applicant (Name) Vby Deicorp (c/o JHA Consulting Engineers Pty Ltd)
Address: PO BOX 3
NORTH SYDNEY NSW 2059

Project Reference: UML9697
Project Address: Lot DP 2 Mandala Parade
CASTLE HILL

PROPERTY TENURE BOND

This Payment Advice is valid for 3 months. Endeavour Energy reserves the right to amend the fees and charges at any time.

Payment Required:-

Property Tenure Bond

\$20,000.00

Total Amount Due: \$20,000.00 GST exempt

To avoid unnecessary delay in processing your payment, please attach the unconditional bank guarantee or cheque to this form and post to:
PO Box 811, Seven Hills NSW 1730

Please note: Endeavour Energy's preferred method of bond payment is by bank guarantee in favour of Endeavour Energy Network Operator Partnership
ABN 11 247 365 823.

Payment may also be made by cheque payable to ENDEAVOUR ENERGY

EFT & Credit Cards will not be accepted for bond payments.



ABN 48 612 666 172

Sydney | Brisbane | Melbourne

Level 23, 101 Miller St
North Sydney NSW 2060

PO Box 3
North Sydney NSW 2059
Ph (02) 94371000

7 April 2021

The Hills Shire Council

PO Box 7064

Norwest NSW 2153

council@thehills.nsw.gov.au

Attention: General Manager

Dear Sir/Madame,

**RE: Proposed Project at 2 Mandala Parade Castle Hill – Consultation
Under the Electricity Supply Act and State Environmental Policy
(Infrastructure) 2007.**

JOB NO.: 200236

REVISION NO.: [A]

I am writing to provide formal notification to council with the opportunity to review and make a submission in relation to the electrical design proposal to install a new Indoor Chamber Substation, on the premises of 2 Mandala Drive Castle Hill, to supply the proposed development, as required by the Electricity Supply Act 1995 and the State Environmental Planning Policy (Infrastructure) 2007.

Attached are the following for your information:

- One (1) PDF copy of concept plan

The attached concept plan illustrates the proposal which includes the construction, operation and maintenance of the electricity infrastructure proposed.

The proposal is to:

- Establish a new indoor chamber substation within the property at ground floor.
- Install underground cables and conduits along Andalusian Way to the Carrington Road Intersection to connect the proposed substation to the Endeavour Energy network.

The project is an integral part of maintaining a secure and reliable supply to the proposed development and also local area, support economic growth of the area, support business expansion and support revitalization of area.

The work is anticipated to begin in 12 months, estimated to be completed in a 6–8-month period and further notification will be provided to affected residents before works commence.

An environmental assessment will be undertaken on this project to meet the requirements of the Environmental Planning and Assessment Act 1979. Therefore, in addition to any submission, can you please advise of any information that Council has which will assist us in considering all relevant issues and adequately assessing the environmental impacts. Such information could include:

- Specific zoning and consent requirements
- Approved surrounding land uses
- Any known environmental restrictions (e.g. environmental protection area, etc.)
- Threatened or endangered flora or fauna species
- Fire prone land
- Stormwater
- The Council's infrastructure
- Locally rare or protected flora or fauna or areas of critical habitat
- Wetlands or flood prone areas
- Land contamination, potential or actual acid sulphate soils, soil instability or subsidence
- Heritage items or relics, including Aboriginal heritage and sites
- Site access, traffic or parking restrictions
- Adjacent sensitive sites
- Potential community concerns of which the Council may be aware
- Other nearby development proposals likely to impact upon the proposal
- Any other items that the Council considers relevant.

The proposed activities will have environmental management safeguards to a suitable standard implemented in accordance with the assessment and Endeavour Energy's environmental guidelines.

Submissions and information for this project will be considered if received within 40 days of the date of this letter. Submissions and information can be sent to the following:

Attn: Wayne Armstrong

JHA Consulting Engineers

PO Box 3

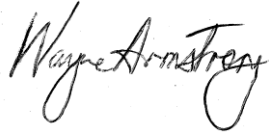
North Sydney NSW 2059

E-mail: wayne.armstrong@jhaengineers.com.au

If no written correspondence is received by 17/05/2021 we will consider that Council does not wish to lodge a submission and we will proceed to schedule work after this date.

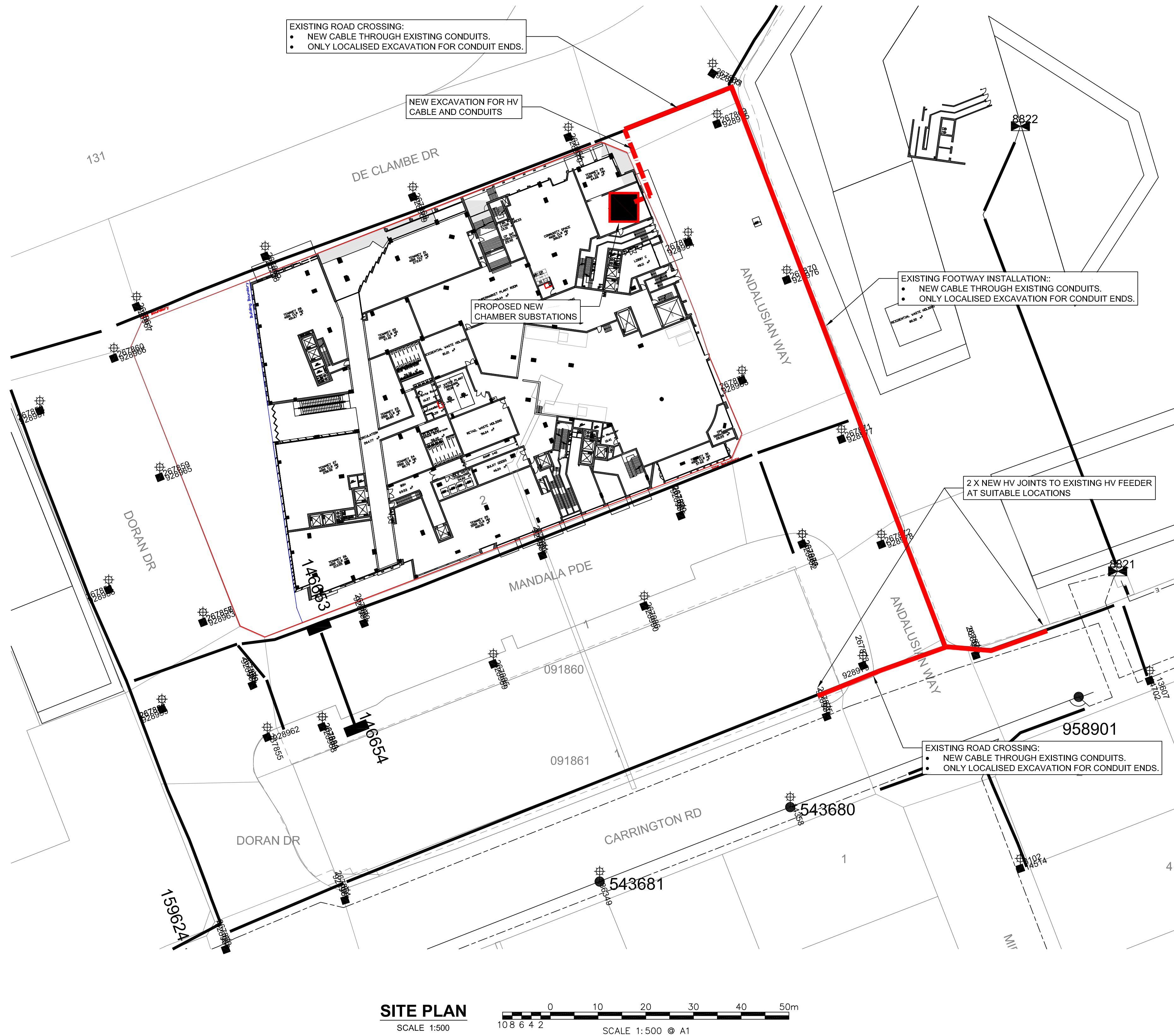
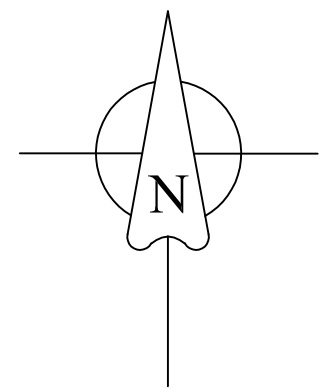
Please contact me if you would like to discuss this matter on (02) 9437 1000.

Yours sincerely,

A handwritten signature in black ink that reads "Wayne Armstrong". The signature is fluid and cursive, with the first name "Wayne" and last name "Armstrong" clearly legible.

Wayne Armstrong

Senior Electrical Engineer



SITE PLAN LEGEND

- NEW HIGH VOLTAGE TRENCHING & CABLE
- NEW HIGH VOLTAGE CABLE IN EXISTING DUCTS
- EXISTING DUCTS
- EXISTING LANTERN
- EXISTING COLUMN LOCATION
- EXISTING LV PILLAR LOCATION
- NEW INDOOR SUB LOCATION
- EXISTING PM SUB LOCATION