

12 October 2016

Anthony Burke
Services Manager
Brookfield Multiplex Australasia
Level 22
135 King Street
Sydney NSW
2000

Dear Anthony

UNSW Biological Sciences Project Stage 2, State Significant Development – SSD 7865 Utilities
Services Report/Statement – Electrical Supply

“Preparation of an Infrastructure Management Plan in consultation with relevant agencies, detailing information on the existing capacity and any augmentation requirements for the development for the provision of utilities including staging of infrastructure.”

Aurecon, as Electrical Consultant for the development advise the following:

The UNSW Kensington Campus site upon which the development is located is served by three existing Ausgrid HVC (High Voltage Connections). UNSW are an 11kV customer and electrical power is reticulated around the site at 11kV and transformer to 415V at load centres.

The development of the Biological Sciences precinct which includes Stage 1 (E26 new build) and Stage 2 (D26 refurbishment) is anticipated to add an additional electrical demand of approximately 1.86MVA to the UNSW Kensington Campus. This addition is being accommodated by:

- a. The reorganisation of electrical load within the UNSW Kensington Campus to align the campus loads with the previously negotiated maximum electrical demands at the HVC's.
- b. Strengthening the HVC connection at the existing Botany Street S1792 HVC.

The proposed works have been negotiated and agreed with Ausgrid in the form of:

- a. Connection Application for the new HVC works submitted by UNSW on 13 December 2013
- b. Responding DIP (Design Information Pack) referenced SC05512 and dated 28 February 2014
- c. Certified L3 ASP design for the new HVC works referenced 707852/20140725

We understand that the Electrical Supply infrastructure has been negotiated between UNSW and Ausgrid to provide suitable electrical infrastructure for the development.

Yours sincerely



Rami Badaoui
Project Leader