

11618-260co001/MH/meh

12th December 2011

University of Technology, Sydney
Level 19, Building 1
PO Box 123
ULTIMO NSW 2007

Attention: Berlin Ng

Dear Berlin,

UTS New Thomas Street Building.

This letter provides design advice on the Electrical power supply and telecommunications services for the UTS New Thomas Street Building.

Power Supply - Electricity - The UTS and design team are in liaison with the local supply authority, Ausgrid, in regards to power infrastructure to the Thomas St Building. The new building will have power provided to the building's main switchboard from adjacent buildings via the electrical infrastructure consisting of existing and new 11kV/415V substations and proposed embedded generation plant.

As confirmed in a meeting with Ausgrid, there is no apparent Transgrid Transmission infrastructure planned in the Thomas St building footprint.

Telecommunications - Communications - The new Thomas St building's telecommunications services shall be reticulated from the adjacent existing UTS buildings IT network. Both copper and optical fibre links from the existing UTS shall connect the new building's MDF / BD to provide adequate communications services.

We hope the above fully addresses the design issues. Should you require any further clarification, please contact the undersigned.

Yours sincerely



Michael Harrold
Technical Director

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UTS THOMAS STREET BUILDING CORNER OF JONES STREET AND THOMAS STREET, ULTIMO Project No. 3932000 - 7th December 2011

We advise that the above proposed Building can be adequately serviced by Authorities Infrastructure Services outlined as follows:-

1 AUTHORITIES INFRASTRUCTURE SERVICES

1.1 WATER SUPPLY

Sydney Water watermains are situated in the two (2) surrounding streets surrounding or adjacent the redevelopment site which provide some external coverage of the site with street hydrants in the watermains as follows:-

| | |
|---------------|--------------------------|
| Thomas Street | 150mm diameter watermain |
| Jones Street | 150mm diameter watermain |

Both Sydney Water watermains have adequate capacities to provide domestic cold water supply and Fire Services supplies to the proposed Building.

1.2 SEWERAGE

Sydney Water sewer mains are situated in Thomas Street and Jones Street as follows:-

| | |
|---------------|---------------------------|
| Thomas Street | 225mm diameter sewer main |
| Jones Street | 225mm diameter sewer main |

Both Sydney Water sewer drainage lines have adequate capacities to service the proposed Building.

1.3 STORMWATER DRAINAGE

A Council of the City of Sydney stormwater drainage road gully and drainage line is situated in Jones Street adjacent the corner of Thomas Street which is available for connection of stormwater drainage.

Also a 525mm diameter Sydney Water stormwater drainage line situated in Jones Street which has adequate capacity to drain stormwater from the proposed building and site is available for connection.

1.4 NATURAL GAS SUPPLY

Jemena/AGL medium pressure natural gas mains are situated in Thomas Street and Jones Street as follows:-

| | | |
|---------------|--------|--------------------------------|
| Thomas Street | 210kPa | 32mm diameter natural gas main |
| Jones Street | 210kPa | 32mm diameter natural gas main |

The Building can be serviced by one (1) of the Natural Gas Mains which should have adequate capacity to service the proposed building.

30 YEARS OF SERVICE