

HKH Campus – Stage 2 SSD Project Commitments and Mitigation Measures

Issue	Proposed Mitigation Measure
Contamination	- Detailed design is to incorporate the recommendations of the Phase 1 Contamination Assessment (prepared by Douglas Partners (2014)). - Detailed investigations underneath all building footprints to be demolished is to form part of the scope. - In the event Groundwater is encountered it is to be laboratory tested. Should contaminated groundwater be encountered a remediation action plan is to be prepared to mitigate short term and long term risks.
Hazardous Materials	- The proponent be required to undertake a hazardous materials survey of buildings and infrastructure prior to commencing any demolition or construction work. - Detailed design is to include the findings of hazardous materials assessment report for all buildings to be demolished. - The final CMP is to include measures to manage the handling and disposal of such materials as recommended in the hazardous materials assessment report. This shall include requirements relating to the handling of wastes in accordance with the <i>Protection of the Environment Operations (Waste) Regulation 2014</i>. - The final CMP shall include provision for consultation with Safework NSW with respect to handling of dangerous goods (including asbestos).
Dangerous and Hazardous Goods	- The design and construction of medical gas compound is to be undertaken in accordance with the requirements of AS1894. - Certification of the design and subsequent construction is to be provided to the certifying authority. Certification is to be provided by a suitably qualified Dangerous Goods Consultant.
Heritage	- Work will be carried out in accordance with the recommendations of the Heritage Impact Statement prepared by EJE (October 2017). - Archival records of buildings to be demolished is to be undertaken prior to demolition works commencing. - If Aboriginal objects were to be identified during development of the subject land, works must stop and a suitably qualified archaeologist notified immediately to assess the finds. Management of any finds must be undertaken in accordance with the provisions of the National Parks and Wildlife Act 1974 and applicable OEH guidelines. - The finds must be reported to OEH and further approvals may be necessary prior to the recommendation of works. - If items of archaeological potential are identified during development of the subject land, works must stop and a suitably qualified archaeologist notified immediately to assess the finds. The management of any artefacts identified must be in accordance with the provisions of the Heritage Act 1977 and applicable guidelines.
BCA and Accessibility	The recommendations of the BCA compliance statement are to be incorporated into the detailed design. An updated statement demonstrating compliance with the technical provisions of the State's building laws is to be provided to the certifying authority prior to the release of a Section 109R Certificate for building works.

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	An accessibility assessment of the detailed design plans confirming compliance with the BCA, relevant Australian Standards and Disability and Discrimination Act 1992 is to be submitted to the certifying authority prior to the release of a Section 109R Certificate
Noise and Vibration	- Construction noise and vibration measures will be implemented in accordance with the recommendations of Acoustic Logic (January 2018 V3). Such measures will be implemented into the final CMP prior to the release of a Section 109R Certificate. This shall include a review of screens of existing plant and equipment to ensure integrity has not been compromised as a result of the proposal. - The recommendations of the Acoustic Report prepared by Acoustic Logic relating to mechanical services noise will be addressed in the detailed design and adopted to ensure compliance with the relevant noise criteria. Verification is to be provided prior to the occupation of the development and shall include monitoring at identified sensitive receivers.
Radiation Management	Prior to occupation of the Stage 2 SSD project, the 'radiation management licence' held by NSLHD shall be amended to incorporate additional regulated material.
Construction Impacts	- A Construction Environmental Management Plan (CEMP) will be prepared by the appointed contractor prior to the commencement of works. The CEMP will establish site management principles generally in accordance with the Preliminary Construction Management Plan prepared by APP. - The CEMP shall also take into account the Construction Traffic Management Plan, hazardous materials assessment report, and Heritage Impact Assessment with respect to the removal of plaques and archiving.
Tree Protection	- Trees identified for protection in the Consulting Arborists Report (October 2017) shall be protected in accordance with <i>AS 4970 - 2009 Protection of trees on development sites</i> - Trunk protection shall be provided to Street Trees nominated on the Tree Protection Plan for the duration of the construction program. - A project arborist with AQF Level 5 qualifications shall be appointed to provide monitoring and certification as required through the construction period. - The project arborist must submit to the Principal Certifying Authority on a monthly a certificate that the works have been carried out in compliance with the approved plans and specifications for tree protection. - Certification should include a statement of site attendance, the condition of the retained trees, details of any deviations from the approved tree protection measures and their impacts on trees.
Construction and Operational Traffic	- Construction and operational traffic shall be managed in accordance with the recommendations of the Transport Assessment Study prepared by TTW (October 2017). - The recommendations of the Green Travel Plan shall be implemented at the completion of building works associated with the Stage 2 SSD project. - A road safety audit of Palmerston Road shall be undertaken prior to the commencement of any roadworks within the Palmerston Road road reserve. - A Construction Traffic Management Plan (CTMP) shall be prepared taking into account the recommendations made by: - TTW; - TfNSW; and

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	- Hornsby Council. ● A CTMP shall be approved by the certifying authority prior to the commencement of demolition works; ● The CTMP shall incorporate a Construction Pedestrian Traffic Management Plan (CPTMP). The CPTMP shall include an: - assessment of cumulative impacts associated with other construction activities - assessment of road safety at key intersections and locations subject to heavy vehicle movements and high pedestrian activity; - details of construction program, the anticipated construction duration and milestones and events during the construction process; - details of anticipated peak hour and daily truck movements to and from the site; - details of access arrangements for workers to/from the site, emergency vehicles and service vehicle movements; - details of temporary cycling and pedestrian access during construction; - details of proposed construction vehicle access arrangements at all stages; and - traffic and transport impacts during construction and how these impacts will be mitigated for any associated traffic, pedestrian, cyclists, parking and public transport, which must include vehicle routes, number of trucks, hours of operation, access arrangements and traffic control measures for all demolition/construction activities. ● A traffic report is to be provided by the applicant six months after the development is fully operational. The report is to include but not be limited to review of traffic conditions and level of service at key intersection identified in the original traffic assessment report.