



Ms Lynelle Briggs AO
Chair
Planning Assessment Commission
Level 13, 301 George Street
Sydney NSW 2000

Dear Ms Briggs

**State Significant Development Application for St Catherine's School Campus
Master Plan and Stage 1 Research, Performing Arts and Aquatic Centre (SSD
6339) – Request for further information**

I refer to your letter dated 5 February 2015 in relation to the St Catherine's School Campus Master Plan and Stage 1 Research, Performing Arts and Aquatic Centre, Waverley (SSD 6339).

The Planning Assessment Commission (the Commission) has requested additional information in relation to a number of matters raised by the public in relation to car parking, traffic and student numbers.

The Department has prepared a response (Attachment A) to the matters raised. The Department understands that the applicant is also preparing a response to similar matters raised which may further address the matters in your letter. In response to the Commission's for suggested amendments to conditions of consent, please see Attachments B and C.

The Department trusts that this information adequately addresses the Commission's request.

Should you have any further enquiries about this matter, please contact Karen Harragon, Director, Social and Other Infrastructure at the Department on (02) 9228 6358.

Yours sincerely

David Gainsford 1/3/16
Executive Director
Priority Project Assessments
Planning Services

Attachment A Additional Information

The Department of Planning and Environment's (the Department's) response to each of the requests for additional information in the Planning Assessment Commission's (the Commission's) letter dated 5 February 2016 is outlined below. The Commission's requests are included in bold italics for reference.

Previous Consents

“The school already has a student population well in excess of its current consent. The Commission would find it useful to have a comprehensive history of the school's use of the site, including further information on past and projected student numbers and consent limits. The Commission is also interested as to whether previous development consents issued for the school specified any conditions relating to traffic, car parking and/or student numbers.”

The School has been subject to numerous applications, including many minor alterations and additions, since its commencement of operations, which has also included acquisition of adjoining land to expand the school campus. The following consents, as identified by the applicant and Council (the consent authority), include details regarding student numbers/and or restrictions regarding student numbers.

- **DA-250/1984** – approval granted by Waverley Council on 5 February 1985 for the erection of a new school building (J-Block) and refurbishment of existing buildings (Administration Building) - included a condition that restricted the school to a maximum 850 students (comprising 250 primary school and 600 secondary school students) and to a maximum of 85 staff (including ancillary staff). This consent also included a condition requiring a minimum of 27 car parking spaces be provided on site for staff.
- **DA-258/89** – approval granted by the Land and Environment Court on 10 April 1992 for the Performing Arts Centre and Indoor Sports Complex. The Performing Arts Centre component (now known as the DJSC) has been completed and provided 19 car spaces as required by condition 2.
- **LD 449/1999** – approval granted by Waverly Council on 14 December 1999 for a gymnasium. No increase in student numbers or alterations to car parking arrangements was approved.
- **DA-140-2011** – approval granted by Waverley Council on 7 September 2011 for refurbishment of the Administration Building and construction of a three storey Music/Visual Arts Wing addition (Nan Hind Pavilion) to the Innovation Centre (Nan Hind Centre). The Statement of Environmental Effects accompanying the application identified that the school had 930 existing students and no increase to student numbers was being sought. A condition of consent stipulated that no increase in students or teacher numbers is approved under the consent.

The Department has also requested Council provide a response to the Commission's requests in relation to any other development consents involving more minor alterations and additions to the school.

Development Contributions

“The Commission notes that recommended condition A6 requires the Applicant to pay section 94A contributions amounting to \$386,834.07 to Waverley Council. The Commission would like some information on how this contribution was calculated.”

Condition A6 requires a section 94A development contribution of \$386,834.07 to be paid to Council. The contribution amount has been calculated in accordance with Council's Development Contributions Plan 2006, which stipulates a one percent levy to be applied to development with a Capital Investment Value (CIV) greater than \$200,000. Stage 1 has a CIV of \$38,683,407.

Attachment B Revised Conditions of Consent

The Department of Planning and Environment's (the Department's) response to each of the requests for more rigid conditions in the Planning Assessment Commission's (the Commission's) letter dated 5 February 2016 is outlined below. The Commission's requests are included in bold italics for reference. A consolidated set of conditions incorporating the potential revisions (shown in red) and including renumbering is provided in response to the Commission's comments is at Attachment C.

“The Commission seeks to provide a degree of certainty for the community that St Catherine's School will actively work with its students, parents and staff to mitigate traffic and car parking impacts on streets surrounding the school and the wider road network. The Commission is of the view that this could be achieved by imposing more rigid conditions of consent and would appreciate the Department's assistance in strengthening the draft conditions to achieve the following outcomes:

• That the school may only be granted an increase in its student enrolment numbers if there is sufficient evidence to demonstrate the success of the Operational Transport Management Plan (OTMP) and the mode of transport shifts.”

In response to the above, the Department considers that an additional condition could be imposed requiring verification that the measures in the OTMP have been implemented to the satisfaction of the Secretary as follows.

Implementation of Operational Transport Management Plan

E4. Prior to the commencement of operations of the new facilities and also prior to any increase in students/staff above student enrolment/staff numbers at the date of determination, the applicant must provide verification that the measures in the OTMP required at that stage have been implemented.

(See new inserted condition in Attachment C)

In response to the above, the Department also suggests that condition F3 (renumbered) could be modified to include the following additional requirement:

If alternate measures have not been effective in meeting the target of “no increase in traffic” at the next annual review, a further traffic assessment shall be prepared in consultation with Council to identify potential road upgrades that are required to maintain existing traffic efficiency. Any identified road upgrades must be undertaken and evidence submitted to the Secretary prior to the next annual review process or within a timeframe as agreed by the Secretary. Until such time as the identified road upgrades have been completed to the satisfaction of the Secretary, student enrolments must not exceed student enrolment numbers as identified in the previous annual review.

(See updated condition in Attachment C)

“• That the implementation of the OTMP be staged, with clearly defined requirements and measures to be implemented at each stage, including prior to the commencement of construction of the Research, Performing Arts and Aquatic Centre (RPAC), and with further measures to be refined, approved and executed at subsequent stages (taking into account the results of the previous stages and independent auditing of the effectiveness of those measures).”

The OTMP would be the appropriate mechanism to identify how each travel strategy should be staged by the technical expert in preparing the OTMP. The OTMP would also identify what measures will be monitored for various stages of each of the anticipated travel strategies. The new condition A9 (revised E5) requires that the timing, implementation and monitoring regime for each of the strategies be identified. It would be reasonable to assume that the staging of any of the strategies would be covered in these details.

The Department considers that the conditions could be amended to require that the OTMP be prepared within six months of determination and again prior to the occupation of RPAC and prior to any increase in staff numbers/student enrolment, which would also allow the school to evaluate the effectiveness of the travel strategies and update the OTMP prior to commencement of operations of the RPAC. The suggested amendments include deletion of conditions E3, E4 and E5 and replacement with the following conditions.

Operational Transport Management Plan

- A8. *The applicant must prepare an Operational Transport Management Plan (OTMP) for St Catherine’s School in consultation with Council and the local community, which must identify mode share targets for the proposed travel strategies that target no net increase in private vehicle trips to the site. The OTMP must be submitted to the satisfaction of the Secretary at the following stages:*
- a) *within six months of determination and must include details regarding the travel strategies and interim traffic management measures (including details for management of the drop-off/pick-up zones, including training for supervising staff/traffic controllers);*
 - b) *prior to occupation of RPAC and must include details regarding the travel strategies and the final traffic management measures (including details for management of the drop-off/pick-up zones, including training for supervising staff/traffic controllers); and*
 - c) *prior to any increase in student/staff numbers above student enrolment/staff numbers at the date of determination.*
- A9. *The OTMP must provide details for each of the travel strategies and must address the following matters for each of the travel strategies:*
- a) *objectives and targets;*
 - b) *timing;*

- c) *responsibility;*
- d) *funding;*
- e) *implementation;*
- f) *monitoring regime to evaluate each strategy; and*
- g) *monitoring of whether the overall strategies are meeting the target of no net increase in private car trips.*

“• That the Applicant implements further measures to mitigate car parking and traffic impacts on the surrounding street network when events are held on the school grounds. Further consideration of the proposed 6.30 pm evening event start time limitation is warranted based on community feedback. Alternatives might include the provision of shuttle bus transportation and connections to remote parking stations.”

The 6.30 pm start time for events was identified as providing a reasonable window of opportunity for residents to access street parking ahead of event attendees. The Department does not think any further delay would be reasonable as it would result in delay to finish times, which would potentially exacerbate the amenity impacts at night. In relation to the Commission’s concerns that there would be negligible or limited benefit in applying a delayed start time at all, the Department has recommended the delayed start time to provide an opportunity for residents to return home before attendees as well as ensure additional traffic during the peak period is minimised and therefore the Department maintains that the condition is appropriate.

The Department has previously discussed potential parking solutions with its traffic consultant, including remote parking and shuttle services. The Department’s traffic consultant advised that the success or viability of a shuttle service for events is improbable. Additionally, given that the applicant has not proposed a viable shuttle option, an appropriate level of assessment has not been undertaken of the consequential impacts of shuttle collection points and associated parking on the amenity of each location.

“• Arrangements within any draft traffic management plan for the construction period that would limit or prevent construction traffic parking in residential areas over the course of the 15 year project”

The recommended conditions of consent require a construction pedestrian and traffic management plan be prepared (condition C7) that addresses construction car parking arrangements, including measures to reduce travel to the school by private vehicle such as identifying incentives to encourage public transport use and/or carpooling. A supplementary measure would be the implementation of a resident parking scheme. This would need to be developed and implemented by Council. As any parking scheme is ultimately the remit of Council, the Department would be unable to require that the scheme be implemented as it is beyond the ability of the applicant to deliver and as such it is not recommended.

“• The Commission understands that although the Department will be the regulatory authority for the project, it is likely that Waverley Council will be contacted by residents regarding any traffic and car parking issues relating to the school. An authorised traffic controller, paid for by the school, should be in attendance to enforce traffic, parking, disabled parking, and drop off and pick up arrangements, particularly during the construction periods and other periods of high activity or disruption.”

Conditions C7 requires that a construction pedestrian and traffic management plan be prepared that addresses pedestrian and traffic management methods, which would include consideration of the need or otherwise of traffic controllers at any points of pedestrian/vehicle conflict. The Department considers the use of a number of suitably trained school staff, which is identified as one of the improved measures for the management of school zones and reinforced by revised condition A8(a) and (b) requiring supervising staff be appropriately trained, would facilitate improved drop-off/pick-up and would likely be more appropriate and effective than a single authorised traffic controller at one location.

“• In order to improve community confidence and strengthen the attention to compliance with conditions of consent, a program to monitor, independently audit and report on the school's compliance with its development consent is warranted.”

The school is required to report annually to the Department of Education regarding student enrolments. This information is publicly available.

The Department suggests including an additional requirement that the OTMP and any updated OTMP be made publicly available by the School following its endorsement by the Department (see new condition A10).

A10. The School must make the OTMP and any updated OTMP publicly available.

Independent oversight is currently provided for by condition F2, which requires independent traffic and on-street parking reviews six months after any student increase or commencement of operations of the RPAC, and then annually to determine the effectiveness of the measures detailed in the OTMP. The Department suggests that condition F2 could be revised to require that a copy of the Review also be provided to the Department (see revised condition F2) including advice of any consequential requirements to update the OTMP as a result of its findings.

“• At the public meeting, some members of the community raised concern about the lack of consultation and engagement from the school. As such, requirements for the school to conduct quarterly meetings with the community to discuss and resolve any issues of concern, including car parking and traffic matters are considered necessary in the first instance. The frequency of these meetings may be reduced at a later date once construction activities have been completed and operational activities are demonstrated to be properly managed, with the approval of the Secretary. Further to this, a mechanism for managing and handling complaints, including a published register, and a dedicated travel, traffic and parking

coordinator should be established so that comments and complaints about the school can be resolved and that transport management is prioritised now and into the future.”

The Department suggests that an additional requirement for quarterly meetings could be included in the conditions as follows:

Community Engagement

A7. The School must hold quarterly meetings with the local community to discuss traffic and car parking concerns relating to the operations of the School. Notice of the meetings must be published on the School’s website two weeks prior to the meeting. These meetings must continue until the timing of such meetings is modified or the requirement for the meetings is deemed unnecessary by the Secretary.

The Department has also included additional consultation requirements in revised condition A8 for the OTMP. The Department suggests an additional requirement to review any complaints and issues raised in the quarterly meetings as part of the review of the OTMP under the revised condition F2.

Although a dedicated travel, traffic and parking co-ordinator has not been identified as a specific requirement for the OTMP, this could be one of the measures the applicant could investigate in the preparation of the OTMP.

The Department also suggests additional requirements for a complaints management system in revised condition C4 for the Construction Environmental Management Plan.

“In the event that the Applicant’s efforts to successfully implement its traffic management plan fail, what are the steps involved for local councils to designate the surrounding residential streets as resident only parking? Can you recommend any conditions to help facilitate this?”

A condition requiring the applicant to consult with Council on developing a resident parking scheme could be included as one of the measures in the OTMP. However, as any parking scheme is ultimately the remit of Council, the Department would be unable to require that the scheme be implemented as it is beyond the ability of the applicant to deliver and as such it is not recommended.

The Department has however included an additional condition F4 to restrict the use of aquatic facilities by external parties if the School is unable to successfully alter travel behaviour to reduce car parking impacts generated by school activities until such time that the school is able achieve revised travel behaviour for school activities.

“I particularly note that there is some uncertainty about the proposed availability of the proposed event spaces for other community users. The Commission supports the efficient use of such facilities and as such it is not currently opposed to use of the facilities by external parties, so long

as the traffic and parking issues associated with such events can be appropriately managed. It may be appropriate to provide discretion for the Secretary to allow such uses at a future date, should traffic and parking issues be able to be satisfactorily resolved.”

The Response to Submissions provided a revised Indicative Usage Profile which removed external use of the event spaces for community users. Renumbered conditions F5 and F6 require that the applicant operate the event spaces in accordance with the indicative usage profile, unless otherwise approved by Council.

The Department does not consider that there would be adequate measures proposed by the current application to address the parking and traffic issues generated by the external use of the facilities without the delivery of significant additional car parking facilities. The Department considers that the external use of the auditorium and hall facilities would not be appropriate for this site as parking and traffic impacts associated with such uses cannot be adequately managed. If additional car parking was provided, it would facilitate car travel which would result in additional traffic concerns and require further assessment.

Attachment C

Development consent

Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning, under delegation dated 14 September 2011, we, the Planning Assessment Commission, determine:

- (a) to grant consent to the development application referred to in Schedule 1, subject to the conditions in Schedule 2 and Schedule 3.
- (b) that pursuant to section 89D(2) of the *Environmental Planning and Assessment Act 1979*, we determine that any subsequent stage of the development not being for the purpose of an educational establishment with a capital investment value in excess of \$30 million is to be determined by the relevant authority and that stage of the development ceases to be State significant development.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts including economic and social impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the development.

Member of the Commission

Sydney

2015

SCHEDULE 1

Application No.:	SSD 6339
Applicant:	St Catherine's School
Consent Authority:	Minister for Planning
Land:	St Catherine's School, 26 Albion Street, Waverley (Lot 560 DP1138118, Lot 1 DP80046, Lots 12 and 13 DP2049, Lots A, B and C DP318719 and Lot 117 DP1161589)
Development:	<p><u>Concept Proposal</u> for the staged redevelopment of St Catherine's School over 15 years to support an additional 230 students, comprising:</p> <ul style="list-style-type: none">• demolition works;• new buildings;• alterations and additions;• revised access arrangements;• revised circulation system;• additional car parking (19 spaces); and• landscaping works. <p><u>Stage 1 works</u>, including:</p> <ul style="list-style-type: none">• demolition of existing swimming pool;

- construction of the Research, Performing Arts and Aquatic Centre building;
- internal alterations to the Dame Joan Sutherland Centre;
- construction of linkages to existing school buildings;
- relocation of existing demountable building;
- construction of additional car parking;
- reconfiguration of existing car parking at Gate 1;
- landscaping works, including tree removal;
- reconfiguration of Macpherson Street drop-off/pick-up arrangements; and
- increase in student population to 1,200 and staff numbers to 212.

DEFINITIONS

Advisory Notes	Advisory information relating to the consent but do not form a part of this consent
Applicant	Consent holder or person with the benefit of the development consent
Application	The development application and the accompanying drawings plans and documentation described in Condition A2
BCA	Building Code of Australia
Construction	The demolition of buildings or works, the carrying out of works, including bulk earthworks, and erection of buildings and other infrastructure covered by this consent.
Council	Waverley Council
Certifying Authority	Professionals that are accredited by the Building Professionals Board to issue construction, occupation, subdivision, strata, compliance and complying development certificates under the EP&A Act, <i>Strata Schemes (Freehold Development) Act 1973</i> and <i>Strata Schemes (Leasehold Development) Act 1986</i>
Day time	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
Department	Department of Planning and Environment or its successors
Evening	The period from 6pm to 10pm
Environmental Impact Statement (EIS)	Environmental Impact Statement titled <i>St Catherine's School Waverley, Campus Master Plan and Detailed Design of Stage 1 - RPAC (SSD 6339) Environmental Impact Statement to NSW Planning and Environment</i> , prepared by Robinson Urban Planning, dated 23 September 2014.
EPA	Environment Protection Authority, or its successor
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation or Regulation	Environmental Planning and Assessment Regulation 2000
Major event	Attendance is greater than 250
Minister	Minister for Planning, or nominee
Night time	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
OEH	Office of the Environment and Heritage, or its successor
Reasonable and Feasible	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements. Feasible relates to engineering considerations and what is practical to build
Response to Submissions (RtS)	Response to Submissions report titled, <i>St Catherine's School Waverley, Campus Master Plan & Detailed Design of Stage 1 - RPAC (SSD 6339), Submissions Report</i> prepared by Robinson Urban Planning, dated 25 June 2015.
RPAC	Research, Performing Arts and Aquatic Centre building
RtS Supplementary Responses	Memorandum titled, <i>Response to Submissions (14 Day Notification)</i> , prepared by Sandrick Project Directions, dated 14 September 2015 and report titled, <i>St Catherine's School Travel Strategies Transport Report</i> , prepared by Arup Pty Ltd, dated 23 September 2015.
RMS	Roads and Maritime Services Division or its successor
PCA	Principal Certifying Authority
Secretary	Secretary of the Department of Planning and Environment, or nominee/delegate
Secretary's approval, agreement or satisfaction	A written approval from the Secretary (or nominee/delegate). Where the Secretary's approval, agreement or satisfaction is required under a condition of this consent, the Secretary will endeavour to provide a response within one month of receiving an approval, agreement or satisfaction request. The Secretary may ask for additional information if the approval, agreement or satisfaction request is considered incomplete. When further information is requested, the time taken for the applicant to respond in writing will be added to the one month period.

Sensitive receiver	Residence, education institution (e.g. school, university, TAFE college), health care facility (e.g. nursing home, hospital), religious facility (e.g. church) and children's day care facility.
Subject Site	St Catherine's School 26 Albion Street (Lot 560 DP1138118 and Lot 1 DP80046) 2 Macpherson Street (Lots 12 and 13 DP2049) 323 Bronte Road (Lot A DP318719) 325 Bronte Road (Lot B DP318719) 1 Leichhardt Street (Lot C DP318719) 315-317 Bronte Road (Lot 117 DP1161589)
Zone of Influence	The horizontal distance from the edge of the excavation site or any construction zone (including on-site haulage routes) to twice the maximum excavation depth.

SCHEDULE 2

CONDITIONS OF CONSENT FOR CONCEPT PROPOSAL

PART A TERMS OF CONSENT

Development Description

- A1. Except as amended by the conditions of this consent, development consent is granted to the 'concept proposal' as described in Schedule 1 and the Environmental Impact Statement, as amended by the RtS (as further amended by the RtS Supplementary Responses), and the conditions contained in this development consent.

Determination of Further Development Applications

- A2. In accordance with section 83B(3)(a) of the EP&A Act, all development under the 'concept proposal' shall be the subject of subsequent development application(s).
- A3. The determination of the future development application(s) are to be generally consistent with the terms of this development consent as described in Schedule 1, and subject to the conditions in Part B, Schedule 2.

Development in Accordance with Plans and Documents

- A4. The applicant shall carry out the development generally in accordance with the:
- State Significant Development Application SSD 6339;
 - Environmental Impact Statement except where amended by the Response to Submissions and the RtS Supplementary Responses;
 - the conditions of this consent; and
 - the following drawings, except for:
 - any modifications which are Exempt or Complying Development;
 - as otherwise provided by the conditions of this consent.

Building Envelope Drawings prepared by PD Mayoh Pty Ltd			
Drawing No.	Issue	Name of Plan	Date
A.000	B	COVER SHEET 7 STAGING DIAGRAM	24.09.14
A.MP.007	C	CAMPUS SITE IMPACT ASSESSMENT 1: ENTRY POINTS AND PEDESTRIAN MOVEMENT & TRAFFIC MANAGEMENT AND PARKING	01.10.15
A.MP.008	A	CAMPUS SITE IMPACT ASSESSMENT 2: PRECINCTS & LANDSCAPE AREA AND BUILDING FOOTPRINT	03.07.14
A.MP.009	A	CAMPUS SITE IMPACT ASSESSMENT 3: GROSS FLOOR AREA CALCULATIONS & HEIGHT	03.07.14
A.MP.020	A	MASTER PLAN – LEVEL 1	03.07.14
A.MP.021	A	MASTER PLAN – LEVEL 2	03.07.14
A.MP.022	A	MASTER PLAN – LEVEL 3	03.07.14
A.MP.023	A	MASTER PLAN – LEVEL 4	03.07.14
A.MP.024	A	MASTER PLAN – LEVEL 5	03.07.14
A.MP.025	A	MASTER PLAN – LEVEL 6	03.07.14
A.MP.026	A	MASTER PLAN – LEVEL 7	03.07.14
A.MP.027	A	MASTER PLAN – LEVEL 8	03.07.14

A.MP.028	A	MASTER PLAN – ROOF PLAN	03.07.14
A.MP.030	A	SECTIONS – A, B, C & D	03.07.14
A.MP.031	A	SECTIONS – E, F & G RPAC	03.07.14
Concept Landscape Plan prepared by SILK Consulting Landscape Architects			
Drawing No.	Issue	Name of Plan	Date
MP-100	G	LANDSCAPE MASTER PLAN	19.08.14

Gross Floor Area

A5. The maximum gross floor area allowed by this approval for the site is 22,598 sqm.

Student and Staff Population

A6. The student population shall not exceed 1,200 and the staff numbers shall not exceed 212 staff.

Car Parking

A7. A minimum of 75 car parking spaces shall be provided on the site at the completion of all development approved under this concept proposal.

Operational Transport Management Plan

A8. The applicant shall prepare an Operational Transport Management Plan (OTMP) for St Catherine's School, which must identify mode share targets for the proposed travel strategies that target no net increase in private vehicle trips and if possible a reduction in vehicle trips.

Inconsistency between Documents

A9. If there is any inconsistency between the plans and documentation referred to above the most recent document shall prevail to the extent of the inconsistency. However, conditions of this consent prevail to the extent of any inconsistency. Where there is an inconsistency between approved elevations and plans, the elevations prevail.

Lapsing of approval

A10.

- a) This approval does not allow any components of the concept proposal except Stage 1 works as described in Schedule 1 to be carried out without further approval or consent being obtained.
- b) This approval will lapse five years from the date of this approval unless works the subject of any related application are physically commenced, on or before that lapse date.

Secretary as Moderator

A11. In the event of a dispute between the applicant and a public authority, in relation to an applicable requirement in this approval or relevant matter relating to the Development, either party may refer the matter to the Secretary for resolution. The Secretary's resolution of the matter shall be binding on the parties.

Legal notices

A12. Any advice or notice to the consent authority shall be served on the Secretary.

PART B CONDITIONS TO BE MET IN FUTURE DEVELOPMENT APPLICATIONS

Traffic, Access and Car Parking

- B1. All future development applications for new built form shall be accompanied by a detailed assessment of the traffic and transport impacts associated with that use on the surrounding road network and intersection capacity, and shall detail provisions to promote non-car travel modes.
- B2. All future development applications for new built form shall satisfactorily detail how active transport modes and facilities have been incorporated into the respective proposed development.

Built Form and Urban Design

- B3. The Stage 2 Jane Barker Hall Site New Build building envelope is restricted to a maximum height of RL 100.5 and is to be contained within the building envelope illustrated on the approved plans referenced in Condition A4 of Part A of Schedule 2.
- B4. The Stage 5 Nan Hind Centre Extension building envelope is restricted to a maximum height of RL 100.8 and is to be contained within the building envelope illustrated on the approved plans referenced in Condition A4 of Part A of Schedule 2.
- B5. Future development applications shall include a Crime Prevention Through Environmental Design assessment, including detailing measures to maximise student, pedestrian and public safety through the implementation of the Crime Prevention through Environmental Design principles.

Landscaping

- B6. All future development applications must include detailed landscape plans identifying the vegetation to be removed or relocated and the location of replacement and additional landscaping, and must be generally in accordance with the approved landscape concept in Condition A4 of Part A of Schedule 2.

Detailed landscape plans should include relevant details of the species to be used in the various landscapes areas (preferably species indigenous to the area), including details of the informal native and cultural avenue plantings, and other soft and hard landscape treatments, including any pavement areas and modular and sculptural seating.

Heritage

- B7. All future development applications shall be accompanied by a Heritage Impact Statement addressing their impacts.
- B8. Future development applications involving demolition of Jane Barker Hall shall include a digital photographic archival recording of Jane Barker Hall.

Noise and Vibration

- B9. All future development applications for new built form shall be accompanied by a noise and vibration assessment that identifies and provides a quantitative assessment of the main noise generating sources and activities at all stages of construction, and any noise sources during operation. Details are to be provided outlining any mitigations measures to ensure the amenity of adjoining sensitive land uses is protected throughout the construction and operational periods.

Contamination

B10. Future development applications for new built form shall be accompanied by a detailed site investigation report, including an assessment of potential site contamination.

Ecologically Sustainable Development

B11. Future development applications for new built form shall demonstrate how the principles of ESD have been incorporated into the design, construction and on-going operation of future developments.

Building Code of Australia

B12. All future development applications shall demonstrate compliance with the Building Code of Australia, as relevant.

Utilities

B13. All future development applications for new built form shall address the existing capacity and any augmentation requirements of the development for the provision of utilities including staging of infrastructure through the preparation of an Infrastructure Management Plan in consultation with relevant agencies and service providers.

Stormwater and Flooding

B14. Future development applications for new built form shall be accompanied by a stormwater management plan detailing an assessment of any flood risk on site and consideration of any relevant provisions of the NSW Floodplain Development Manual (2005), stormwater and drainage infrastructure, and details demonstrating that water sensitive urban design measures have been incorporated into the development.

Disability Access

B15. Where relevant, future development applications shall include a Disability Access Review to demonstrate an appropriate degree of accessibility in accordance with the *Disability (Access to Premises - buildings) Standards 2010* (the Premises Standards).

Waste

B16. Where relevant, future development applications shall include a Waste Management Plan to address storage, collection, and management of waste and recycling within the development.

SCHEDULE 3

CONDITIONS OF CONSENT FOR STAGE 1 WORKS

PART A ADMINISTRATIVE CONDITIONS

Development Description

A1. Consent is granted to the 'Stage 1 works' as described in Schedule 1 and the Environmental Impact Statement, as amended by the Response to Submissions and RtS Supplementary Responses, and the conditions contained in this development consent.

Development in Accordance with Plans and Documents

- A2. The applicant shall carry out the 'Stage 1 works' generally in accordance with the:
- a) State Significant Development Application SSD 6339;
 - b) Environmental Impact Statement except where amended by the Response to Submissions and the RtS Supplementary Responses;
 - c) the conditions of this consent;
 - d) following drawings, except for:
 - i) any modifications which are 'Exempt' or 'Complying Development'; and
 - ii) otherwise provided by the conditions of this consent.

Architectural (or Design) Drawings prepared by <i>PD Mayoh Pty Ltd</i>			
Drawing No.	Revision	Name of Plan	Date
A.004	A	DEMOLITION PLAN	03.07.14
A.100	A	FLOOR PLAN – LEVEL 1 RL 73.10	03.07.14
A.101	A	FLOOR PLAN – LEVEL 2 RL 77.90	03.07.14
A.102	A	FLOOR PLAN – LEVEL 3 RL 82.28	03.07.14
A.103	A	FLOOR PLAN – LEVEL 4 RL 85.90	03.07.14
A.104	A	FLOOR PLAN – LEVEL 5 RL 85.90	03.07.14
A.105	A	FLOOR PLAN – LEVEL 6 RL 91.90	03.07.14
A.106	A	FLOOR PLAN – LEVEL 7 RL 95.20	03.07.14
A.107	A	ROOF PLAN	03.07.14
A.150	A	ELEVATIONS SOUTH AND EAST	03.07.14
A.151	A	ELEVATIONS NORTH AND WEST	03.07.14
A.160	A	SECTIONS A, B & C	03.07.14
A.161	A	SECTIONS D, E & F	03.07.14
Landscape Plans prepared by <i>SILK Consulting Landscape Architects</i>			
Drawing No.	Issue	Name of Plan	Date
DA-L-01	E	DEVELOPMENT APPLICATION LANDSCAPE PLAN	19.08.14
DA-L-02	D	STAGE 1 RPAC – TREE MANAGEMENT PLAN	19.08.14
DA-L-03	C	DEVELOPMENT APPLICATION LANDSCAPE SECTIONS	14.08.14

Inconsistency between Documents

- A3. If there is any inconsistency between the plans and documentation referred to above, the most recent document shall prevail to the extent of the inconsistency. However, conditions of this approval prevail to the extent of any inconsistency. Where there is an inconsistency between approved elevations and plans, the elevations prevail.

Development Expenses

- A4. It is the responsibility of the applicant to meet all expenses incurred in undertaking the project, including expenses incurred in complying with conditions imposed under this approval.

Lapsing of Approval

- A5. This consent will lapse five years from the date of consent unless the works associated with the development have physically commenced.

Development Contributions

- A6. In accordance with Division 6 of Part 4 of the Act, the applicant shall pay the following section 94A monetary contributions:
- a) Amount of Contribution
 - i) \$386,834.07
 - b) Timing and Method of Payment
 - i) The contribution shall be paid in the form of cash or bank cheque, made out to Waverley Council.
 - ii) Evidence of the payment to Waverley Council shall be submitted to the Certifying Authority prior to the issue of any Construction Certificate.
 - c) Indexing

The contributions will be adjusted in accordance with the requirements of the Waverley Council Development Contributions Plans 2006.

Community Engagement

- A7. The School must hold quarterly meetings with the local community to discuss traffic and car parking concerns relating to the operations of the School. Notice of the meetings must be published on the School's website two weeks prior to the meeting. These meetings must continue until the timing of such meetings is modified or the requirement for the meetings is deemed unnecessary by the Secretary.

Operational Transport Management Plan

- A8. The applicant must prepare an Operational Transport Management Plan (OTMP) for St Catherine's School in consultation with Council and the local community, which must identify mode share targets for the proposed travel strategies that target no net increase in private vehicle trips to the site. The OTMP must be submitted to the satisfaction of the Secretary at the following stages:
- a) within six months of determination and must include details regarding the travel strategies and interim traffic management measures (including details for management of the drop-off/pick-up zones, including training for supervising staff/traffic controllers);
 - b) prior to occupation of RPAC and must include details regarding the travel strategies and the final traffic management measures (including details for

management of the drop-off/pick-up zones, including training for supervising staff/traffic controllers); and

c) prior to any increase in student/staff numbers above student enrolment/staff numbers at the date of determination.

A9. The OTMP must provide details for each of the travel strategies and must address the following matters for each of the travel strategies:

a) objectives and targets;

b) timing;

c) responsibility;

d) funding;

e) implementation;

f) monitoring regime to evaluate each strategy; and

g) monitoring of whether the overall strategies are meeting the target of no net increase in private car trips.

A10. The School must make the OTMP and any updated OTMP publicly available.

Prescribed Conditions

A7-A11. The applicant shall comply with all relevant prescribed conditions of development consent under Part 6, Division 8A of the Regulation.

Secretary as Moderator

A8-A12. Where this consent requires further approval from public authorities, the parties shall not act unreasonably in preventing an agreement from being reached. In the event that an agreement is unable to be reached within two months or a timeframe otherwise agreed to by the Secretary, the matter is to be referred to the Secretary for resolution. All areas of disagreement and the position of each party are to be clearly stated to facilitate a resolution. The Secretary's resolution of the matter will be binding on the parties.

Long Service Levy

A9-A13. For work costing \$25,000 or more, a Long Service Levy shall be paid. For further information please contact the Long Service Payments Corporation on their Helpline 13 14 41.

Legal Notices

A10-A14. Any advice or notice to the consent authority shall be served on the Secretary. _____

PART B PRIOR TO ISSUE OF A CONSTRUCTION CERTIFICATE

Note: Conditions below that refer to actions "prior to issue of a construction certificate" may be read as prior to issue of a construction certificate for the relevant stage, unless otherwise indicated as to be satisfied prior to issue of any construction certificate.

Design Modifications

B1. In order to address amenity impacts, the design of the RPAC building shall be amended to include obscure glazing along the eastern elevation of the research centre up to a height of 1,800 mm as measured from each floor level.

Details shall be submitted to the satisfaction of the Certifying Authority prior to the issue of the relevant Construction Certificate.

Macpherson Street Pedestrian Crossing and Bus Stop

- B2. The design of the relocation of the pedestrian crossing and bus stops on Macpherson Street must be approved by the relevant local traffic committee. A copy of the approval shall be submitted to the Department and the Certifying Authority.

Noise Attenuation Measures

- B3. Prior to issue of a Construction Certificate, the applicant shall demonstrate to the Certifying Authority that the design of the plant, aquatic centre, auditorium and hall meet the RPAC Site Specific Noise Criteria identified in St Catherine's School Campus Masterplan & Stage 1 Construction & Operational Noise Report prepared by Wilkinson Murray Pty Limited, dated April 2014 (Version C).

Access for People with Disabilities

- B4. The RPAC building must be designed and constructed to provide access and facilities for people with a disability in accordance with the Building Code of Australia. The Certifying Authority must ensure that evidence of compliance with this condition from an appropriately qualified person is provided and that the requirements are referenced on any Construction Certificate drawings.

Bicycle Spaces

- B5. A minimum of 11 bicycle spaces are to be provided as part of the Stage 1 works. Details shall be submitted to the satisfaction of the Certifying Authority prior to the issue of a Construction Certificate.
- B6. The layout, design and security of bicycle facilities either on-street or off-street must comply with the minimum requirements of Australian Standard AS 2890.3 – 1993 Parking Facilities Part 3: Bicycle Parking Facilities.
- B7. The number of storage, change room and shower facilities for the 11 bicycle spaces shall comply with the requirements of the Planning Guidelines for Walking and Cycling.

Car Park and Service Vehicle Layout

- B8. Plans demonstrating compliance with the following traffic and parking requirements shall be submitted to the satisfaction of the Certifying Authority prior to the issue of a Construction Certificate:
- a) all vehicles should enter and leave the Subject Site in a forward direction. In the event that site constraints do not permit heavy rigid vehicles to enter and leave in a forward direction, then all reversing movements should be undertaken under the control of certified traffic controllers to ensure public safety when vehicles are reversing;
 - b) car parking associated with the proposal (including queuing areas, grades, turn paths, sight distance requirements, aisle widths, and parking bays) must be in accordance with AS 2890.1-2004, AS2890.6 for accessible spaces and AS 2890.2-2002 for heavy vehicle usage;
 - c) appropriate pedestrian advisory signs are to be provided at the egress from the car park;
 - d) all works/regulatory signposting associated with the proposed developments shall be at no cost to the relevant roads authority; and
 - e) the swept path of the longest vehicle (including garbage trucks) entering and exiting the Subject Site, as well as manoeuvrability through the site, shall be in accordance with AUSTRROADS.

Design of Food Premises

B9. The fitout of the food premises shall be carried out in accordance with AS 4674 *Design, construction and fit-out of food premises*. Details of compliance with the relevant provisions of the food code shall be prepared by a suitably qualified person and submitted to the satisfaction of the Certifying Authority prior to the issue of a Construction Certificate.

Reflectivity

B10. The building materials used on the facades of the RPAC building shall have a maximum normal specular reflectivity of visible light of 20 per cent and shall be designed so as not to result in glare that causes any discomfort or threatens the safety of pedestrians or drivers. A report/statement demonstrating compliance with these requirements is to be submitted to the satisfaction of the Certifying Authority prior to the issue of a Construction Certificate.

Outdoor Lighting

B11. All outdoor lighting within the site shall comply with, where relevant, AS/NZ1158.3: 1999 Pedestrian Area (Category P) Lighting and AS4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting. Details demonstrating compliance with these requirements are to be submitted to the satisfaction of the Certifying Authority prior to the issue of a Construction Certificate.

Storage and Handling of Waste

B12. The building plans and specifications accompanying the relevant Construction Certificate shall demonstrate that an appropriate area will be provided within the premises for the storage of garbage bins and recycling containers and all waste and recyclable material generated by this premises. The applicant shall demonstrate that the requirements of Council's DCP have been met to the satisfaction of the Certifying Authority.

Structural Details

B13. Prior to the issue of a relevant Construction Certificate, the applicant shall submit to the satisfaction of the Certifying Authority structural drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrate compliance with:

- a) the relevant clauses of the BCA; and
- b) the development consent.

Road Design

B14. All roads works shall be designed in consultation with the relevant requirements of Council, Transport for NSW and the RMS (if applicable). Final road design plans shall be prepared by a qualified practising Civil Engineer and submitted to the local traffic committee for approval. The traffic committed endorsed plans shall be submitted to the Certifying Authority prior to the issue of a Construction Certificate

B15. Kerb and gutter, stormwater drainage, full road width pavement including traffic facilities (pedestrian crossings, etc.) and paved footpaths shall be constructed along the full length any road works.

Erosion and Sedimentation Control

B16. Soil erosion and sediment control measures shall be designed in accordance with the document *Managing Urban Stormwater—Soils & Construction Volume 1* (2004) by

Landcom. Details are to be submitted to the satisfaction of the Certifying Authority prior to the issue of a Construction Certificate.

Pre-Construction Dilapidation Reports

B17. The applicant is to engage a qualified structural engineer to prepare a Pre-Construction Dilapidation Report detailing the current structural condition of all retained existing and adjoining buildings, infrastructure and roads within the 'zone of influence'. Any entry into private land is subject to the consent of the owner(s) and any inspection of buildings on privately affected land shall include details of the whole building where only part of the building may fall within the 'zone of influence'. The report shall be submitted to the satisfaction of the Certifying Authority prior to the issue of the any Construction Certificate. A copy of the report is to be forwarded to the Council and each of the affected property owners.

In the event that access for undertaking a Pre-Construction Dilapidation Report is denied by an adjoining owner, the applicant must demonstrate, in writing, to the satisfaction of the Secretary that all reasonable steps have been taken to obtain access and advise the affected property owner of the reason for the report and that these steps have failed.

Mechanical Ventilation

B18. All mechanical ventilation systems shall be installed in accordance with Part F4.5 of the Building Code of Australia and shall comply with Australian Standards AS1668.2 and AS3666 Microbial Control of Air Handling and Water Systems of Building, to ensure adequate levels of health and amenity to the occupants of the building and to ensure environment protection. Details shall be submitted to the satisfaction of the Certifying Authority prior to the issue of a relevant Construction Certificate.

Stormwater and Drainage Works Design

B19. Final design plans of the stormwater drainage systems, prepared by a qualified practicing professional and in accordance with the requirements of Council shall be submitted to the Certifying Authority prior to issue of a Construction Certificate. The hydrology and hydraulic calculations shall be based on models described in the current edition of Australian Rainfall and Runoff.

PART C PRIOR TO COMMENCEMENT OF WORKS

Demolition

C1. Any demolition work shall comply with the provisions of Australian Standard AS2601: 2001 The Demolition of Structures. The work plans required by AS2601: 2001 shall be accompanied by a written statement from a suitably qualified person that the proposals contained in the work plan comply with the safety requirements of the Standard. The work plans and the statement of compliance shall be submitted to the satisfaction of the Certifying Authority prior to the commencement of works.

Notice of Commencement of Works

C2. The PCA and Council shall be given written notice, at least 48 hours prior to the commencement of building works on the Subject Site.

Construction Certificates

C3. The applicant must supply the Council and the Department of Planning and Environment with a copy of the Construction Certificate within two days from the date of its issue.

Construction Environmental Management Plan

- C4. Prior to the commencement of any works on the Subject Site, a Construction Environmental Management Plan (CEMP) shall be submitted to the PCA. The Plan shall address, but not be limited to, the following matters where relevant:
- a) hours of work;
 - b) 24 hour contact details of site manager;
 - ~~b~~c) complaints management system that would be implemented for the duration of the project;
 - ~~e~~d) traffic management, in consultation with the Council;
 - ~~d~~e) construction noise and vibration management, prepared by a suitably qualified person;
 - ~~e~~f) management of dust to protect the amenity of the neighborhood;
 - ~~f~~g) erosion and sediment control;
 - ~~g~~h) measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the Subject Site;
 - ~~h~~i) external lighting in compliance with AS4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting; and
 - ~~i~~j) flora and fauna management.
- C5. The CEMP must not include works that have not been explicitly approved in the development consent. In the event of any inconsistency between the consent and the CEMP, the consent shall prevail.
- C6. The applicant shall submit a copy of the CEMP to the Council, prior to commencement of work.

Traffic and Pedestrian Management Plan

C7.

- a) Prior to the commencement of any works on the Subject Site, a Traffic and Pedestrian Management Plan prepared by a suitably qualified person shall be submitted to the Certifying Authority. The Plan must be prepared in consultation with the Council, and where required, the approval of the Council's traffic committee obtained.
- b) The Plan shall address, but not be limited to, the following matters:
 - i) ingress and egress of vehicles to the Subject Site;
 - ii) loading and unloading, including construction zones;
 - iii) construction traffic and construction car parking arrangements, including measures to reduce travel to the Subject Site by private vehicle such as incentives to encourage public transport use or carpooling;
 - iv) predicted traffic volumes, types and routes; and
 - v) pedestrian and traffic management methods.
- c) The applicant shall submit a copy of the final Plan to the Council, prior to the commencement of work.

Noise and Vibration Management Plan

- C8. The applicant shall prepare and implement a Construction Noise and Vibration Management Plan and the plan must:

- a) be prepared by a suitably qualified expert;
- b) be prepared in consultation with Council and all noise sensitive receivers where noise levels exceed the construction noise management level, and in accordance with EPA guidelines;
- c) describe the measures that would be implemented to ensure:
 - best management practice is being employed;
 - compliance with the relevant conditions of this approval;
- d) describe the proposed noise and vibration management measures in detail;
- e) include strategies that have been developed with the community, including all noise sensitive receivers where noise levels exceed the construction noise management level, for managing high noise generating works;
- f) describe the community consultation undertaken to develop the strategies in e) above;
- g) evaluates and reports on the effectiveness of the noise and vibration management measures; and
- h) include a complaints management system that would be implemented for the duration of the project.

Waste Management Plan during construction

C9.

- a) Prior to the commencement of works on the Subject Site, a Construction Waste Management Plan (CWMP) that addresses those works, must be prepared by a suitably qualified person in consultation with the Council, shall be submitted to the Certifying Authority. The Plan shall address, but not be limited to, the following matters:
 - i) Recycling of demolition materials including concrete;
 - ii) Removal of hazardous materials and disposal at an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines;
- b) Details demonstrating compliance with the relevant legislative requirements, associated with the removal of hazardous waste, particularly the method of containment and control of emission of fibres to the air, are to be submitted to the satisfaction of the Certifying Authority prior to the removal of any hazardous materials.
- c) The applicant shall submit a copy of the final plan to the Department and to the Council, prior to commencement of the work covered by the plan.
- d) The applicant must notify the Roads and Maritime Services' Traffic Management Centre (TMC) of the truck route(s) to be followed by trucks transporting waste material from the Subject Site, prior to the commencement of the removal of any waste material from the Subject Site.

Utility Services

C10. Prior to the commencement of work, the applicant is to negotiate with the utility authorities (e.g. Ausgrid and Telecommunications Carriers) in connection with the relocation and/or adjustment of the services affected by the construction of the underground structure.

C11. Prior to the commencement of works, written advice shall be obtained from the electricity supply authority, an approved telecommunications carrier and an approved gas carrier (where relevant) stating that satisfactory arrangements have been made to ensure provision of adequate services.

PART D DURING CONSTRUCTION

Hours of Work

- D1. The hours of construction, including the delivery of materials to and from the Subject Site, shall be restricted as follows:
- a) between 7 am and 6 pm, Mondays to Fridays inclusive;
 - b) between 8 am and 1 pm, Saturdays;
 - c) no work on Sundays and public holidays; and
 - d) works may be undertaken outside these hours where:
 - i) the delivery of materials is required outside these hours by the Police or other authorities;
 - ii) it is required in an emergency to avoid the loss of life, damage to property and/or to prevent environmental harm; and
 - iii) variation is approved in advance in writing by the Secretary or her/his nominee.
- D2. The applicant shall schedule rock breaking, rock hammering, sheet piling, pile driving and any similar activity only between the following hours unless otherwise approved by the Secretary.
- b) 9 am to 12 pm, Monday to Friday;
 - c) 2 pm to 5 pm Monday to Friday; and
 - d) 9 am to 12 pm, Saturday

Erosion and Sediment Control

- D3. All erosion and sediment control measures are to be effectively implemented and maintained at or above design capacity for the duration of the construction works and until such time as all ground disturbed by the works has been stabilised and rehabilitated so that it no longer acts as a source of sediment.

Disposal of Seepage and Stormwater

- D4. Any seepage or rainwater collected on-site during construction or groundwater shall not be pumped to the street stormwater system unless separate prior approval is given in writing by Council.

Approved Plans to be On-site

- D5. A copy of the approved and certified plans, specifications and documents incorporating conditions of approval and certification shall be kept on the Subject Site at all times and shall be readily available for perusal by any officer of the Department, Council or the PCA.

Site Notice

- D6.
- a) A site notice(s) shall be prominently displayed at the boundaries of the Subject Site for the purposes of informing the public of the project details including, but not limited to the details of the Builder, PCA and Structural Engineer.
 - b) The notice(s) is to satisfy all, but not be limited to, the following requirements:

- i) minimum dimensions of the notice are to measure 841 mm x 594 mm (A1) with any text on the notice to be a minimum of 30 point type size;
- ii) the notice is to be durable and weatherproof and is to be displayed throughout the works period;
- iii) the approved hours of work, the name of the site/project manager, the responsible managing company (if any), its address and 24 hour contact phone number for any inquiries, including construction/noise complaint are to be displayed on the site notice; and
- iv) the notice(s) is to be mounted at eye level on the perimeter hoardings/fencing and is to state that unauthorised entry to the Subject Site is not permitted.

Protection of Trees

- D7. No street trees are to be trimmed or removed unless it forms a part of this development consent or prior written approval from Council is obtained or is required in an emergency to avoid the loss of life or damage to property.
- D8. All street trees not approved for removal shall be protected at all times during construction. Any tree on the footpath, which is damaged or removed during construction due to an emergency, shall be replaced, to the satisfaction of Council.
- D9. All trees on the Subject Site that are not approved for removal are to be suitably protected by way of tree guards, barriers or other measures as necessary are to be provided to protect root system, trunk and branches, during construction.

Construction Noise Management

- D10. The development shall be constructed with the aim of achieving the construction noise management levels detailed in the Interim Construction Noise Guideline (Department of Environment and Climate Change, 2009). All feasible and reasonable noise mitigation measures shall be implemented and any activities that could exceed the construction noise management levels shall be identified and managed in accordance with the Construction Noise and Vibration Management Plan.
- D11. If the noise from a construction activity is substantially tonal or impulsive in nature (as described in Chapter 4 of the NSW Industrial Noise Policy), 5dB(A) must be added to the measured construction noise level when comparing the measured noise with the construction noise management levels.
- D12. Wherever practical, and where sensitive receivers may be affected, piling activities are completed using bored piles. If driven piles are required they must only be installed where outlined in a Construction Noise and Vibration Management Plan.

Vibration Criteria

- D13. Vibration caused by construction at any residence or structure outside the Subject Site must be limited to:
 - a) for structural damage vibration, German Standard DIN 4150 Structural Vibration Part 3 - Effects of Vibrations on Structures; and
 - b) for human exposure to vibration, the evaluation criteria set out in the *Environmental Noise Management Assessing Vibration: a Technical Guideline* (Department of Environment and Conservation, 2006).

- D14. These limits apply unless otherwise outlined in a Construction Noise and Vibration Management Plan approved by the Secretary.
- D15. Vibratory compactors must not be used closer than 30 metres from residential buildings unless vibration monitoring confirms compliance with the vibration criteria specified above.

Work Cover Requirements

- D16. To protect the safety of work personnel and the public, the work site shall be adequately secured to prevent access by unauthorised personnel, and work shall be conducted at all times in accordance with relevant Work Cover requirements.

Hoarding Requirements

- D17. The following hoarding requirements shall be complied with:
- a) no third party advertising is permitted to be displayed on the subject hoarding/fencing; and
 - b) the construction site manager shall be responsible for the removal of all graffiti from any construction hoardings or the like within the construction area within 48 hours of its application.

Waste Management Plan during construction

- D18. The builder and all subcontractors shall comply with the approved CWMP at all times during construction. At least one copy of the CWMP is to be available on site at all times during construction. Copies of demolition and construction waste docket that verify the facility that received the material for recycling or disposal and the quantity of waste received, must be retained on site at all times during construction.

Impact of Below Ground (sub-surface) Works – Non-Aboriginal Relics

- D19. If any archaeological relics are uncovered during the course of the work, then all works shall cease immediately in that area and the OEH Heritage Branch is to be contacted. Depending on the possible significance of the relics, an archaeological assessment and further approval from OEH Heritage Branch may be required before further works can continue in that area.

Discovery of Aboriginal Heritage

- D20. In the event that surface disturbance identifies any Aboriginal object, all works must halt in the immediate area to prevent any further impacts to the object(s). A suitably qualified archaeologist and a registered Aboriginal representative must be contacted to determine the significance of the object(s). The site is to be registered in the Aboriginal Heritage Information Management System (AHIMS) which is managed by OEH and the management outcome for the site included in the information provided to AHIMS. The applicant must consult with the Aboriginal community representatives, the archaeologist and the OEH to develop and implement management strategies for all objects/sites.

PART E PRIOR TO OCCUPATION OR COMMENCEMENT OF USE

Dame Joan Sutherland Centre and RPAC vehicle entry

- E1. Vehicle access to and from the RPAC must be undertaken by a left-in/left-out movement only. The applicant shall identify and adopt the necessary measures to implement this restriction and to prevent right turn movements.

Macpherson Street Pedestrian Crossing and Bus Stop

- E2. Prior to any increase in student population above student enrolment at the date of determination:
- the modifications to the Macpherson Street pedestrian crossing and bus stop arrangements must be completed;
 - a road safety audit for the reconfigured Macpherson Street drop-off/pick-up zone and pedestrian facilities must be undertaken and any matters identified in this audit resolved; and
 - the Operational Traffic Management Plan for the Macpherson Street drop-off/pick-up must be prepared and implemented.

Operational Transport Management Plan

~~E3. The applicant shall prepare an Operational Transport Management Plan (OTMP) for St Catherine's School, which must identify mode share targets for the proposed travel strategies that target no net increase in private vehicle trips to the site.~~

~~E4. The OTMP shall be submitted to the satisfaction of the Secretary prior to commencement of operations of the new facilities or any increase in students/staff above student enrolment/staff numbers at the date of determination.~~

~~E5. Prior to commencement of operations of the new facilities or any increase in student/staff numbers above student enrolment/staff numbers at the date of determination, details for each of the travel strategies must be provided. The OTMP must address the following matters for each of the travel strategies:~~

- ~~objectives and targets;~~
- ~~timing;~~
- ~~responsibility;~~
- ~~funding;~~
- ~~implementation;~~
- ~~monitoring regime to evaluate each strategy;~~
- ~~details for management of the drop-off/pick-up zones, including training for traffic controllers; and~~
- ~~monitoring of whether the overall strategies are meeting the target of no net increase in private car trips.~~

Road Safety

~~E6-E3.~~ Should road safety audits identify any issues or monitoring identify that the physical improvements to the Macpherson Street drop-off/pick-up zone have not been effective in improving drop-off/pick up procedures and through traffic flow, the OTMP should also explore the following supplementary measures and be updated to incorporate any recommendations:

- closing the westernmost gate on Macpherson Street to encourage use of the full length of the Macpherson Street drop-off/pick-up zone;
- installation of physical measures to provide deterrents to prevent illegal drop-off/pick-up such as fencing or landscaping within the 'No Stopping' zones or video surveillance;
- provision of a supervising staff/traffic controller for all drop-off/pick-up periods, including for use of the aquatic centre before and after school;

- d) provision of additional supervising staff/traffic controllers at designated drop-off areas or delayed pick-up times for parents who are identified as routinely performing unsafe or illegal drop-off/pick-ups; and
- e) use of the basement car park for early aquatic centre use drop-off.

Implementation of Operational Transport Management Plan

E4. Prior to the commencement of operations of the new facilities and also prior to any increase in students/staff above student enrolment/staff numbers at the date of determination, the applicant must provide verification that the measures in the OTMP required at that stage have been implemented.

Revised Indicative Usage Profile – Aquatic Centre, Auditorium and Hall

~~E7~~E5. The Indicative Usage Profile submitted with the RtS shall be updated as follows:

- a) all performing arts and social evening events (starting after 5 pm) shall not commence until 6:30 pm;
- b) all performing arts and social evening events must finish by 9.30 pm except for the annual boarders dance which shall finish by 10 pm;
- c) the inclusion of non-school student participants is limited to either the squad swimming or the water polo training evening sessions (from 6 pm);
- d) 'learn to swim' for non-students on weekdays outside of school hours is only permitted after 4 pm; and
- e) a minimum 15 minute transition period shall be provided between scheduled sessions for each activity on weekends.

~~E8~~E6. The revised Indicative Usage Profile shall be submitted to the satisfaction of the Secretary prior to the issue of the Occupation Certificate.

Operational Traffic Management Plan – Use of Aquatic Centre and Major Events

~~E9~~E7. The Operational Traffic Management Plan for use of the aquatic centre or for major events held in the auditorium or hall shall address measures to ensure that:

- a) all car spaces within the Dame Joan Sutherland Centre and RPAC basements (minimum 47 spaces) will be made available for aquatic centre users after 6 pm on weekdays and all day during the weekend;
- b) all car spaces on site (minimum 75 spaces) will be made available to attendees of all major events held in the auditorium or hall where non-students are in attendance; and
- c) the aquatic centre is not available to external attendees when there is any evening or weekend event occurring on site.

Green Star

~~E10~~E8. Prior to occupation of the RPAC building, the applicant shall demonstrate to the satisfaction of the PCA that the building has been designed and constructed to achieve a minimum 4 star Green Star rating or equivalent by providing a certificate stating as such from an appropriately qualified ESD consultant.

Mechanical Ventilation

~~E11~~E9. Following completion, installation and testing of all the mechanical ventilation systems, the applicant shall provide evidence to the satisfaction of the PCA, prior to

the issue of any Occupation Certificate, that the installation and performance of the mechanical systems complies with:

- a) the Building Code of Australia;
- b) Australian Standard AS1668 and other relevant codes;
- c) the development consent and any relevant modifications; and
- d) any dispensation granted by the New South Wales Fire Brigade.

Road Damage

~~E12.~~E10. The cost of repairing any damage caused to Council or other Public Authority's assets in the vicinity of the Subject Site as a result of construction works associated with the approved development is to be met in full by the applicant/developer prior to the issue of any Occupation Certificate.

Registration of Easements

~~E13.~~E11. Prior to the issue of any Occupation Certificate, the applicant shall provide to the PCA evidence that all matters required to be registered on title including easements required by this consent, approvals, and other consents have been lodged for registration or registered at the NSW Land and Property Information.

On-Site-Detention Positive Covenant/Restriction

~~E14.~~E12. Prior to issue of the final Occupation Certificate, the applicant must create a positive covenant and restriction on the use of land under Section 88E of the Conveyancing Act 1919, burdening the owner with the requirement to maintain the on-site stormwater detention facilities on the lot.

Registered title documents, showing the covenants and restrictions, must be submitted and approved by the PCA prior to issue of an Occupation Certificate.

Sydney Water Compliance

~~E15.~~E13. A Section 73 Compliance Certificate under the Sydney Water Act 1994 must be obtained from Sydney Water Corporation.

Application must be made through an authorised Water Servicing Coordinator. Please refer to the "Your Business" section of the web site www.sydneywater.com.au then follow the "e-Developer" icon or telephone 13 20 92 for assistance.

The Section 73 Certificate must be submitted to the PCA prior to issue of the Occupation Certificate.

Post-construction Dilapidation Report

~~E16.~~E14. Prior to the issue of an Occupation Certificate:

- a) The applicant shall engage a suitably qualified person to prepare a post-construction dilapidation report at the completion of the construction works. This report is to ascertain whether the construction works created any structural damage to adjoining buildings, infrastructure and roads.
- b) The report is to be submitted to the PCA. In ascertaining whether adverse structural damage has occurred to adjoining buildings, infrastructure and roads, the PCA must:
 - i) compare the post-construction dilapidation report with the pre-construction dilapidation report required by these conditions; and

- ii) have written confirmation from the relevant authority that there is no adverse structural damage to their infrastructure and roads.
- c) A copy of this report is to be forwarded to the Council and each of the affected property owners.

Fire Safety Certification

~~E17-E15.~~ Prior to the issue of an Occupation Certificate, a Fire Safety Certificate shall be obtained for all the Essential Fire or Other Safety Measures forming part of this consent. A copy of the Fire Safety Certificate must be submitted to the relevant authority and Council, and be prominently displayed in the building.

Structural Inspection Certificate

~~E18-E16.~~ A Structural Inspection Certificate or a Compliance Certificate must be submitted to the satisfaction of the PCA prior to the issue of any Occupation Certificate and/or use of the premises. A copy of the Certificate with an electronic set of final drawings (contact approval authority for specific electronic format) shall be submitted to Council after:

- a) the site has been periodically inspected and the Certifier is satisfied that the structural works is deemed to comply with the final design drawings; and
- b) the drawings listed on the Inspection Certificate have been checked with those listed on the final Design Certificate/s.

PART F POST OCCUPATION

Event Schedule

- F1. An up to date event schedule shall be maintained and must:
- a) identify the dates for all the annual events (excluding student only events), time of events and the number of attendees;
 - b) be displayed in a convenient and publicly accessible location or distributed to surrounding residents on an annual basis, including notification of any changes to events; and
 - c) establish a notification process (e.g. letterbox drop or e-communication) for informing surrounding residents within one week to a fortnight before the event of the upcoming event.

Review of the Operational Transport Management Plan

F2. Independent traffic and on-street parking reviews (including travel behaviour analysis, on-street counts, review of any complaints received, review of issues raised in the quarterly meetings required by condition A7 and observation of all drop-off/pick-up areas) should be undertaken six months after any student increase or commencement of operations of the RPAC and then annually to determine the effectiveness of the measures detailed in the Operational Transport Management Plan. A copy of the Review is to be provided to the Secretary, including advice as to whether an update of the OTMP is required.

F3. If the review process for the Operational Transport Management Plan identifies that the mode share targets and the target of “no increase in traffic” are not being met, the applicant shall update the Operational Transport Management Plan to reflect alternate measures that are effective in meeting the targets to the satisfaction of the Secretary. If alternate measures have not been effective in meeting the target of “no increase in traffic” at the next annual review, a further traffic assessment shall be prepared in

consultation with Council to identify potential road upgrades that are required to maintain existing traffic efficiency. Any identified road upgrades must be undertaken and evidence submitted to the Secretary prior to the next annual review process or within a timeframe as agreed by the Secretary. Until such time as the identified road upgrades have been completed to the satisfaction of the Secretary, student enrolments must not exceed student enrolment numbers as identified in the previous annual review.

F3-F4. If the review process for the Operational Transport Management Plan identifies that the mode share targets are not being met, use of school facilities by external parties during normal school hours must cease and must not recommence until alternate measures to promote a shift in travel mode shares has been demonstrated.

Operation of the Aquatic Centre, Auditorium and Hall

F4-F5. The operation of the Aquatic Centre, Auditorium and Hall shall be in accordance with the Revised Indicative Usage Profile required by condition E8 of this consent or unless otherwise approved by Council.

F5-F6. The maximum number of attendees, including performers and spectators, must not exceed the forecast attendance in the revised Indicative Usage Profile.

Aquatic Centre Use

F6-F7. The hours of operation for the aquatic centre shall be restricted to between:

- a) 6 am and 8 pm, Mondays to Fridays inclusive;
- b) 8 am and 6 pm, Saturdays and Sundays;

F7-F8. The aquatic centre must not be used by external attendees when any evening or weekend events are being held in the auditorium or hall.

Loading and Unloading

F8-F9. All loading and unloading of service vehicles in connection with the use of the premises shall be carried out wholly within the site at all times.

Unobstructed Driveways and Parking Areas

F9-F10. All driveways and parking areas shall be unobstructed at all times. Driveways and car spaces shall not be used for the manufacture, storage or display of goods, materials or any other equipment and shall be used solely for vehicular access and for the parking of vehicles associated with the use of the premises.

Noise Control – Plant and Machinery

F10-F11. Noise associated with the operation of any plant, machinery or other equipment on the Subject Site, shall not exceed 5dB(A) above the rating background noise level when measured at the boundary of the sensitive receiver.

F11-F12. The applicant shall undertake a noise monitoring program for a minimum period of one month following the commencement of operations on the Site. The monitoring program shall be undertaken by an appropriately qualified person and monitoring reports shall be submitted to the Department at two months and one year to verify that operational noise levels do not exceed the RPAC Site Specific Noise Criteria identified in St Catherine's School Campus Masterplan & Stage 1 Construction & Operational Noise Report prepared by Wilkinson Murray Pty Limited, dated April 2014 (Version C). Should the noise monitoring program identify any exceedance of the noise criteria referred to above, the applicant is required to implement appropriate noise attenuation measures so that operational noise levels comply with the criteria.

Noise Control – Aquatic Centre, Auditorium and Hall

~~F12-F13.~~ An acoustic management plan shall be prepared for management major events.

~~F13-F14.~~ Noise monitoring shall be undertaken for each of the following events/uses for the two initial events to confirm that the operation of the events meet RPAC Site Specific Noise Criteria identified in St Catherine's School Campus Masterplan & Stage 1 Construction & Operational Noise Report prepared by Wilkinson Murray Pty Limited, dated April 2014 (Version C):

- a) use of the aquatic centre for training;
- b) use of the aquatic centre during competition with spectators;
- c) use of the hall for a function;
- d) use of the auditorium for a major event with music or amplified sound;
- e) use of the hall for a function at full capacity with music or amplified sound; and
- f) use of the auditorium at full capacity with music or amplified sound.

~~F14-F15.~~ Should the noise monitoring program identify any exceedance of the predicted noise levels referred to above, the applicant is required to implement appropriate noise attenuation measures to ensure that operational noise levels comply with the predictions.

Storage of Hazardous or Toxic Material

~~F15-F16.~~ Any hazardous or toxic materials must be stored in accordance with Workcover Authority requirements and all tanks, drums and containers of toxic and hazardous materials shall be stored in a bunded area. The bund walls and floors shall be constructed of impervious materials and shall be of sufficient size to contain 110 per cent of the volume of the largest tank plus the volume displaced by any additional tanks within the bunded area.

Public Way to be Unobstructed

~~F16-F17.~~ The public way must not be obstructed by any materials, vehicles, refuse, skips or the like under any circumstances.

External Lighting

~~F17-F18.~~ External Lighting shall comply with AS4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting. Upon installation of lighting, but before it is finally commissioned, the applicant shall submit to the consent authority evidence from an independent qualified practitioner demonstrating compliance in accordance with this condition.

Compliance with Food Code

~~F18-F19.~~ The applicant is to obtain a certificate from a suitably qualified tradesperson, certifying that the kitchen, food storage and food preparation areas have been fitted in accordance with the AS 4674 *Design, construction and fit-out of food premises*. The applicant shall provide evidence of receipt of the certificate to the satisfaction of the PCA prior to the occupation of the building(s) or commencement of the use.

ADVISORY NOTES

Appeals

AN1. The applicant has the right to appeal to the Land and Environment Court in the manner set out in the Environmental Planning and Assessment Act, 1979 and the Environmental Planning and Assessment Regulation, 2000 (as amended).

Other Approvals and Permits

AN2. The applicant shall apply to the Council for all necessary permits including crane permits, road opening permits, hoarding or scaffolding permits, footpath occupation permits and/or any other approvals under Section 68 (Approvals) of the Local Government Act, 1993 or Section 138 of the Roads Act, 1993.

Responsibility for other Consents / Agreements

AN3. The applicant is solely responsible for ensuring that all additional consents and agreements are obtained from other authorities, as relevant.

Temporary Structures

AN4.

- a) An approval under State Environmental Planning Policy (Temporary Structures) 2007 must be obtained from the Council for the erection of any temporary structures. The application must be supported by a report detailing compliance with the provisions of the Building Code of Australia.
- b) Structural certification from an appropriately qualified practicing structural engineer must be submitted to the Council with the application under State Environmental Planning Policy (Temporary Structures) 2007 to certify the structural adequacy of the design of the temporary structures.

Disability Discrimination Act

AN5. This application has been assessed in accordance with the Environmental Planning and Assessment Act 1979. No guarantee is given that the proposal complies with the Disability Discrimination Act 1992. The applicant/owner is responsible to ensure compliance with this and other anti-discrimination legislation. The Disability Discrimination Act 1992 covers disabilities not catered for in the minimum standards called up in the Building Code of Australia which references AS 1428.1 - Design for Access and Mobility. AS1428 Parts 2, 3 & 4 provides the most comprehensive technical guidance under the Disability Discrimination Act 1992 currently available in Australia.

Commonwealth Environment Protection and Biodiversity Conservation Act 1999

AN6.

- a) The Commonwealth Environment Protection and Biodiversity Conservation Act 1999 provides that a person must not take an action which has, will have, or is likely to have a significant impact on a matter of national environmental significance (NES) matter; or Commonwealth land, without an approval from the Commonwealth Environment Minister.
- b) This application has been assessed in accordance with the New South Wales Environmental Planning & Assessment Act, 1979. The determination of this assessment has not involved any assessment of the application of the Commonwealth legislation. It is the applicant's responsibility to consult the Department of Sustainability, Environment, Water, Population and Communities

to determine the need or otherwise for Commonwealth approval and you should not construe this grant of approval as notification to you that the Commonwealth Act does not have application. The Commonwealth Act may have application and you should obtain advice about this matter. There are severe penalties for non-compliance with the Commonwealth legislation.

Asbestos Removal

AN7. All excavation works involving the removal and disposal of asbestos must only be undertaken by contractors who hold a current WorkCover Asbestos or "Demolition Licence" and a current WorkCover "Class 2 (Restricted) Asbestos Licence and removal must be carried out in accordance with NOHSC: "Code of Practice for the Safe Removal of Asbestos".

Site contamination issues during construction

AN8. Should any new information come to light during demolition or construction works which has the potential to alter previous conclusions about site contamination then the applicant must be immediately notified and works must cease. Works must not recommence on site until the consultation is made with the Department.
