Development Consent

Section 4.16 of the Environmental Planning and Assessment Act 1979

I, the Director, Key Sites Assessments of the Department of Planning and Environment, pursuant to section 4.16 and 4.17 of the *Environmental Planning and Assessment Act 1979*, and in accordance with the delegations invested to my office by the Minister for Planning, grant consent to the development application referred to in **Schedule 1**, subject to the conditions in **Schedule 2**.

These conditions are required to prevent, minimise, and/or offset adverse environmental impacts.

David McNamara

Director

Key Sites Assessments

Date: 1 May

2019

SCHEDULE 1

Development Application:

DA 03-03-2019

Application made by:

Tennis NSW

To:

Sydney Olympic Park Authority

In respect of:

Lot 100 DP 1036979 (Tennis Centre), Sydney Olympic

Park

2 Rod Laver Drive, Sydney Olympic Park

For the following:

Alterations and additions to Ken Rosewall Arena

including:

demolition of the existing perimeter roof canopy; and

construction of a new lightweight roof structure.

Determination:

Consent granted subject to the conditions in the attached

(Schedule 2)

Date of commencement of consent

This development consent commences on the date identified in the formal notification letter accompanying

the Notice of Determination

Advisory Notes

The Applicant is solely responsible that all additional consents and agreements are obtained from authorities as relevant.

The Applicant has the right to appeal to the Land and Environment Court in the manner as set out in the Environmental Planning and Assessment Act 1979, and the Environmental Planning and Assessment Regulation

2000 (as amended).

SCHEDULE 2 CONDITIONS OF CONSENT DEVELOPMENT APPLICATION NO. 03-03-2019

PART A – ADMINISTRATIVE CONDITIONS

A1 Development Description

Development Consent is granted only to carrying out of the development as described, and at the premises referred to in **Schedule 1** above.

The conditions of this consent do not relieve the Applicant of its obligations under the *Environmental Planning and Assessment Act 1979* (EP&A Act) and any other Act.

A2 Development in Accordance with Plans & Documentation

The development must be undertaken in accordance with the following plans & documents:

	Revision	Name of Plan	Date
A-DA-KRA-1101	1 %	Site plan	01.03.19
A-DA-KRA-1110	1	Survey plan	01.03.19
A-DA-KRA-2100	1	Basement 1 plan	01.03.19
A-DA-KRA-2110	1	Ground floor plan	01.03.19
A-DA-KRA-2120	1	Level 1 plan	01.03.19
A-DA-KRA-2200	1	Roof plan	01.03.19
A-DA-KRA-2250	1	Roof plan – demolition	01.03.19
A-DA-KRA-3000	2	Ken Rosewall Arena south elevation	01.03.19
A-DA-KRA-3100	2	Ken Rosewall Arena east elevation	01.03.19
A-DA-KRA-4000	2	Section A	01.03.19
A-DA-KRA-4200	2	Section B	01.03.19
A-DA-KRA-6000	1	Shadow diagrams	01.03.19
Statement of Environ	nmental Effe	cts, prepared by HMUP, dated March 20	19
Revised Acoustic Te	chnical Note	e, prepared by Arup Pty Ltd, dated 28 M	arch 2019
Building Code of Au	ustralia Com	e, prepared by Arup Pty Ltd, dated 28 M opliance Statement, prepared by Black	
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except for:

- any modifications which are 'Exempt and Complying Development' as identified in the relevant State Environmental Planning Policy (SEPP) or as may be necessary for the purpose of compliance with the Building Code of Australia (BCA) and any Australian Standard (AS) incorporated in the BCA;
- 2. relevant Sydney Olympic Park Authority (SOPA) policies, guidelines and manuals
- 3. otherwise provided and/or amended by the Conditions of this Consent;
- 4. otherwise as necessary to comply with other NSW and Commonwealth legislation.

A3 Inconsistency between documents

In the event of any inconsistency between the Conditions of this Approval and the details referred to in Condition No. A2, the Conditions of this Consent prevail.

A4 Lapsing of Consent

This consent will lapse five (5) years from the date of this consent unless the development has physically commenced.

A5 Prescribed Conditions

The Applicant must comply with the prescribed conditions of development consent under Clause 98 of the *Environmental Planning and Assessment Regulation 2000* (EP&A Regulation) in relation to the requirements of the BCA.

A6 Critical Stage Inspections

Section 6.5 of the EP&A Act requires that inspections be carried out by an Accredited Certifier with relevant experience unless specified in the quality control plan prior to the consent of the PCA.

A7 Standards and Codes

All building works must be constructed in accordance with safe work practices and complying with the relevant adopted Australian Standards, Codes of Practice and the current BCA requirements.

A8 Long Service Levy

For works costing more than \$25,000, a Long Service Levy must be paid. Further information in this regard is available from the Long Service Payments Corporation on its helpline 13 14 41.

END OF PART A

PART B - PRIOR TO THE ISSUE OF CONSTRUCTION CERTIFICATE

B1 SOPA Assets

No urban elements, assets or equipment may be removed or relocated as part of the approved development without the prior approval of SOPA's Senior Manager, Planning. Any such elements must be stored at a location nominated by SOPA.

Details of compliance with this condition must be provided to the Certifying Authority prior to the issue of a Construction Certificate.

B2 Stormwater Management Plan

Prior to the issue of a Construction Certificate, details of the proposed stormwater disposal and drainage from the development, including details of the provision of maintenance of overland flow paths are required to be designed to the satisfaction of SOPA's Senior Manager, Planning and submitted to the Certifying Authority. All approved details for the disposal of stormwater and drainage are to be implemented in the development.

B3 Construction Environmental Management Plan

Prior to the issue of a Construction Certificate, a **Construction Environmental Management Plan** (CEMP) must be submitted to the Certifying Authority. The CEMP must address, but not be limited to, the following matters, where relevant:

- a) hours of work:
- b) contact details of site manager;
- c) demolition requirements;
- d) noise and vibration management;
- e) waste management;
- f) storage of materials;
- g) erosion and sediment control measures;
- h) security arrangements; and
- i) construction signage.

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 prevails.

The Applicant must submit a copy of the CEMP to SOPA's Senior Manager, Planning prior to commencement of work.

B4 Traffic and Pedestrian Management Plan

Prior to the issue of a Construction Certificate, a **Construction Traffic and Pedestrian Management Plan** (CTPMP) prepared by a suitably qualified person must be approved by SOPA's Director, Environment and Planning and submitted to the Certifying Authority.

The Plan must address, but not be limited to, the following matters:

- a) ingress and egress of vehicles to the Subject Site;
- b) loading and unloading, including construction zones;
- c) predicted traffic volumes, types and routes;
- d) pedestrian and traffic management methods;
- e) construction activities during major events;
- details of special event and clearway conditions on surrounding roads in the vicinity of the site during special events;

- g) potential impacts to pedestrian access and public transport infrastructure including bus services and measures to mitigate impacts including temporary relocation of services; and
- h) access for owners and occupiers during special events.

B5 Structural Details

Prior to the issue of the relevant Construction Certificate, the Applicant must submit, to the satisfaction of the Certifying Authority, structure drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with:

- a) the relevant clauses of the BCA; and
- b) the adequacy of the existing structure to accommodate the additional loads.

The structural requirements for the works are to be designed and certified upon completion by a Structural Engineer as being in accordance with the structural provisions contained in the current National Construction Code (NCC) and BCA as contained in the Structural DA report prepared by Arup Pty Ltd dated 1 March 2019 (revision A).

B6 Waste Management Plan

Prior to the issue of a Construction Certificate, the Applicant must prepare a **Construction Waste Management Plan (CWMP)** to be submitted to the Certifying Authority and a copy provided to SOPA's Senior Manager, Planning prior to commencement of work.

The Plan must include, but is not limited to, the following information:

- a) the estimated volume or weight of materials that will be reused, recycled or removed from the site:
- b) on-site material storage areas during construction;
- c) materials and methods used during construction to minimise waste;
- d) nomination of the end location of all waste and recycling generated from a facility authorised to accept the material type for processing or disposal;
- e) removal of hazardous materials and disposal in an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines, prior to the commencement of any building works;
- f) responsibilities for the transferral of waste and recycling bins within the property to the collection point;
- g) the Applicant must notify the Roads and Maritime Services Traffic Management Centre of the truck routes(s) to be followed by trucks transporting waste material from the Subject Site, prior to the commencement of the removal of any waste material; and
- h) all weighbridge dockets, waste classification reports and other documentation associated with the removal and disposal of any waste for off-site disposal must be retained and provided to the Certifying Authority and SOPA, if requested.

All requirements of the approved CWMP must be implemented during the demolition, excavation and construction of the development.

B7 Utility Services

Prior to the issue of a Construction Certificate, the applicant must make contact with all relevant utility providers (such as Sydney Water, Ausgrid etc) whose services will be impacted upon by the development. A written copy of the requirements of each provider, as determined necessary by the Principal Certifying Authority, must be obtained.

B8 Pre-Construction Dilapidation Report

The Applicant must engage a suitably qualified person to prepare a **Pre-Construction Dilapidation Report** detailing the current structural condition of all existing adjoining buildings, infrastructure and roads within the 'zone of influence'. This zone must be defined as the horizontal distance from the edge of the excavation to twice the maximum depth. A copy of the Report must be submitted to the Certifying Authority and SOPA's Senior Manager, Planning prior to the issue of a Construction Certificate.

B9 Materials and Finishes

Prior to the issue of a Construction Certificate, a detailed schedule of all external materials including awnings, screens, shading/sun control devices, finishes and colours and must consist of materials below 20% specular reflectivity index, prepared in consultation with SOPA's Senior Manager, Planning and submitted to the Certifying Authority prior to the issue of a Construction Certificate.

B10 No Obstruction of Public Domain without a Works Permit

Prior to the issue of a Construction Certificate, if required, the Applicant must obtain a Work Permit to occupy the public way, footpaths, road reserves and the like, which must not be obstructed by any mobile cranes, materials, vehicles, refuse, skips or the like, under any circumstances, unless in accordance with the Works Permit. Non-compliance with this requirement will result in the issue of a notice by the Authority to stop all work on the site.

Note: Further information on Work Permits can be obtained from www.sydneyolympicpark.com.au.

B11 Ecologically Sustainable Development

The project must incorporate all design, operation and construction measures as identified in the ESD Strategy prepared by Arup Pty Ltd, dated 26 February 2019. Details are to be submitted to the Certifying Authority prior to the issue of a relevant Construction Certificate.

END OF PART B

PART C - PRIOR TO COMMENCEMENT OF WORKS

C1 Construction Certificate

A Construction Certificate is to be issued for the new building work by an accredited certifier in accordance with the requirements set out in Sections 6.4 and 6.7 of the EP&A Act. This Construction Certificate is to contain the recommendations set out in the BCA and the Commonwealth *Disability Discrimination Act 1992* (DD Act) Compliance Statement for DA by Blackett Maguire and Goldsmith dated 1 March 2019.

C2 Principal Certifying Authority

The new building work is not to commence until a Principal Certifying Authority (PCA) has been appointed for the new building work as set out in Section 6.6 of the EP&A Act.

C3 Construction Plans

Prior to issuing a Construction Certificate the proposed construction plans are to demonstrate compliance requirements with a disability as contained in the DD Act, current BCA (NCC/BCA), AS 1428.1, BCA & DD Act Compliance Statement for DA by Blackett Maguire and Goldsmith dated 1 March 2019 and SOPA's Access Guidelines 2017, fifth edition.

END OF PART C

PART D - CONDITIONS TO BE SATISFIED DURING CONSTRUCTION

D1 Development in accordance with the National Construction Code

The works must be in accordance with the current NCC/BCA and the adopted Australian Standards.

The development is to be in accordance with the requirements of Section J Energy Efficiency of the NCC/BCA.

The roof must be designed in accordance with the Australian Standards and the contractor shall ensure that the roof is easily maintainable.

Note: Sufficient information must be forwarded to the PCA illustrating compliance with the relevant requirements of the current BCA and adopted Australian Standards. Sufficient information may include but not limited to, reports or certifications issued by an appropriately qualified person. Please contact your relevant PCA to discuss requirements prior to submission of the application for Construction and Occupation Certificates.

D2 Hours of work

All works (including site deliveries) must only be carried out between the following hours:

- a) 7.00am to 5.00pm on Monday to Fridays (inclusive)
- b) 8.00am to 3.00pm on Saturdays
- c) No work on Sundays and Public Holidays.

Any variation to these construction hours require the written consent of SOPA's Director – Environment and Planning.

D3 Site Notice

A site notice(s) must be prominently displayed at the boundaries of the Subject Site for the purposes of informing the public of project details including, but not limited to the details of the Builder, Certifying Authority and consulting engineers. The notice(s) must satisfy all but not be limited to, the following requirements:

- a) minimum dimensions of the notice are to measure 841 mm x 594 mm (A 1) with any text on the notice to be a minimum of 30 point type size;
- b) the notice must be durable and weatherproof and must be displayed throughout the works period;
- 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
- d) the notice(s) must be mounted at eye level on the perimeter hoardings/fencing and must state that unauthorised entry to the Subject Site is not permitted.

D4 Approved Plans to be On-site

A copy of the approved and certified plans, specifications and documents incorporating conditions of approval and certification must be kept on the Subject Site at all times and must be readily available for perusal by any officer of SOPA or the Certifying Authority.

D5 Demolition requirements

The demolition works are to be undertaken in accordance with Australian Standard AS2601: 2001 - The Demolition of Structures.

D6 Erosion and Sediment Control

Erosion and sediment control measures are to be implemented prior to the commencement of works and maintained during the period of construction in accordance with the requirements of *Managing Urban Stormwater: Soils and Construction 4th Edition - Vol. 1* (the "Blue Book") published by Landcom, 2004. Controls are not to be removed until the site is stable with all bare areas supporting an established vegetative cover.

Considering proximity of the development to the creek, the sediment control system must not use any sand bags. All pits affected by the proposal must have sediment trap inserts and ecology or equivalent products.

D7 No Obstruction of Public Way

The public way and road reserves must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances unless this occurs in accordance with a Works Permit. Non-compliance with this requirement will result in the issue of a Notice by the Authority to stop all work on the site.

Note: Further information about Work Permits can be obtained from www.sydneyolympicpark.com.au

D8 Work Health and Safety Act 2011

All works must be in accordance with the New South Wales Work Health and Safety Act 2011 and the NSW Work Health and Safety Regulation 2017.

D9 Construction Noise Management

The development must 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 must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the CNVMP, approved as part of the CEMP.

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.

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 CNVMP.

Any noise generated during the construction of the development must not be offensive noise within the meaning of the *Protection of the Environment Operations Act 1997* or exceed approved noise limits for the Subject Site.

D10 Vibration Criteria

Unless otherwise outlined in the CNVMP, approved as part of the CEMP, vibration caused by construction at any residence or structure outside the site must be limited to:

- a) for structural damage vibration, German Standard DIN 4150 Part 3 Structural Vibration Effects of Vibration on Structures;
- b) for human exposure to vibration, the evaluation criteria presented in *British Standard BS 6472- Guide to Evaluate Human Exposure to Vibration in Buildings (1Hz to 80 Hz)* for low probability of adverse comment; and

c) vibratory compactors must not be used closer than 30 metres from residential buildings unless vibration monitoring confirms compliance with the vibration criteria specified above.

D11 Hoarding/Fencing Requirements

No third party advertising is permitted to be displayed on the hoarding / fencing. The construction site manager must be responsible for the removal of all graffiti from any construction hoarding / fencing or the like within the construction area within 48 hours of its appearance.

D12 Waste Classification – Excavation Materials

Prior to the exportation of waste of excavated material from the site, the waste materials must be assessed, classified in accordance with the NSW Environment Protection Authority's (EPA) 'Waste Classification Guidelines Part 1: Classifying Waste' and transported and disposed of at a facility that can lawfully receive that waste.

D13 Mechanical Ventilation

Mechanical ventilation and exhaust systems are to be provided as required. These systems shall comply with the requirements of clause F4.5 of the NCC/BCA, and the installation is to comply with AS 1668.2 2012 and AS/NZS 3666.1 2014.

END OF PART D

PART E -PRIOR TO ISSUE OF AN OCCUPATION CERTIFICATE

E1 Occupation Certificate

An Occupation Certificate must be obtained from the Certifying Authority upon completion of the new building works and prior to commencement of use in accordance with Section 6.9 of the EP&A Act. A copy of the Occupation Certificate must be submitted to SOPA's Senior Manager, Planning.

E2 Post-Construction Dilapidation Report

The Applicant must prepare a **Post-Construction Dilapidation Report,** prepared by a suitably qualified person, to ascertain whether the construction works created any structural damage to adjoining buildings, infrastructure and roads. The report must be submitted to the Certifying Authority at the completion of construction works, and prior to the issue of the Final Occupation Certificate. A copy must also be forwarded to SOPA.

In ascertaining whether adverse structural damage has occurred to adjoining buildings, infrastructure and roads, the Certifying Authority must:

- a) compare the post-construction dilapidation report with the pre-construction dilapidation report required by these conditions; and
- b) have written confirmation from the relevant authority that there is no adverse structural damage to their infrastructure and roads.

E3 Repair of Damage (Roads and Public Domain)

Any public footways, footpaving, kerbs, gutters and road pavement damaged during the works are to be immediately repaired following any damage, to a satisfactory state that provides for safe use by pedestrians and vehicles. Full restoration of the damage is to be carried out to the satisfaction of SOPA's Senior Manager, Engineering Services prior to the issue of any occupation certificate in respect of the development.

E4 Structural Inspection Certificate

A **Structural Inspection Certificate** or a **Compliance Certificate** must be submitted to the satisfaction of the Certifying Authority 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) must be submitted to the approval authority and SOPA 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.

E5 Mechanical Ventilation

Following completion, installation and testing of all the mechanical ventilation systems, the Applicant must provide evidence to the satisfaction of the Certifying Authority, prior to the issue of the Final Occupation Certificate, that the installation and performance of the mechanical systems complies with:

- a) the BCA;
- b) Australian Standard AS1668 and other relevant codes;
- c) the development consent and any relevant modifications; and
- d) any dispensation granted by the Fire and Rescue NSW.

E6 Utility Providers

Prior to the issue of a relevant Occupation Certificate written advice must 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.

E7 Design Documentation

The design documentation must include:

- a) a complete maintenance and replacement manual including all inspection test plans (ITPs), material specifications, plants and equipment list, methodology and detail drawings.
- b) a maintenance schedule which includes all material specifications, ITP and regular tests, frequency of the tests and inspection, post extreme weather event inspections and testing.
- c) operational requirements and condition including extreme weather condition safety measures.

Details of the above requirements must be submitted to the Certifying Authority and SOPA's Senior Manager, Planning prior to the issue of an Occupation Certificate.

E8 Third Party Certification

All designs must be reviewed and certified by an independent third party accredited engineering company.

All 3D models, engineering models (including but not limited to structural analysis, lighting models, mechanical models, electrical, telecommunication, wind modelling, seismic modelling) and reports must be submitted to SOPA and provide SOPA full copyright to allow SOPA to use as part of future tenders and works. SOPA may provide this information as part of the tender to any third party as required upon completion of the works.

Details of the above requirements must be submitted to the Certifying Authority and SOPA's Senior Manager, Planning prior to the issue of an Occupation Certificate.

E9 Fire Safety Measures

All existing fire safety measures are to be preserved within the building and maintained or upgraded if required to accommodate the proposed new works. This includes the existing buildings fire safety defences as well as those considerations contained in the Fire Safety Engineer – Development Application Report by Arup Engineers dated 1 March 2019 to the satisfaction of the certifying authority.

E10 Fire Safety Certification

All fire safety measures serving the building are to be certified to the relevant Local Council Authority as being maintained in accordance with the requirements of the NCC/BCA and the EP&A Act and EP&A Regulation on a yearly/annual basis within 12 months after the date on which the initial Final Fire Safety Certificate was issued.

E11 Mechanical Plant Noise Emissions

Prior to the issue of an Occupation Certificate, the Principal Certifying Authority must be satisfied that noise associated with the use of mechanical plant and equipment will not give rise to any one or more of the following:

- a) Transmission of "offensive noise" as defined in the *Protection of the Environment Operations Act 1997* to any affected receiver.
- b) A sound pressure level at the boundary of the premises that exceeds the background (LA90, 15minutes) noise level by more than 5dB. The background noise level must be measured in the absence of noise emitted from the use in accordance with *Australian Standard AS1055 1997*.

END OF PART E

PART F - ADVISORY MATTERS

F1 Construction Certificate – fire safety measures

A Construction Certificate application for this project must include a list of fire safety measures proposed to be installed in the building and/or on the land and include a separate list of any fire safety measures that already exist at the premises. The lists must describe the extent, capability and basis of design of each of the measures.

F2 Building Code of Australia – amendments

Development applications are not assessed against the provisions of the BCA. A Section 4.55 modification under the EP&A Act will be required if design amendments that cause the proposal to be inconsistent with the development consent are necessary to comply with the provisions of the BCA.

F3 Occupation Certificate – building work

Prior to the occupation or use of a new building, or occupation or use of an altered portion of, or an extension to an existing building, an Occupation Certificate must be obtained from the Principal Certifying Authority appointed for the proposed development. An application for an Occupation Certificate must contain the information set out in Clause 149 of the EP&A Regulation.

F4 Occupation Certificate - change of use

Prior to effecting the proposed change of building use for the whole/part of the building, an Occupation Certificate must be obtained in accordance with Section 6.9 of the EP&A Act. A Fire Safety Certificate, based on the attached Fire Safety Schedule, must be submitted with an application for an Occupation Certificate.

F5 Fire Safety Certificate

A copy of the final Fire Safety Certificate (together with a copy of the current fire safety schedule) must be given to the Commissioner of NSW Fire Brigades and a further copy of the Certificate (together with a copy of the current fire safety schedule) must be prominently displayed in the building.

F6 Annual Fire Safety Statement

An annual Fire Safety Statement in the form described in Clause 175 of the EP&A Regulation must be submitted to City of Parramatta Council and a copy (together with a copy of the current fire safety schedule) must be given to the Commissioner of New South Wales Fire Brigades. A further copy of the Statement (together with a copy of the current fire safety schedule) must be prominently displayed in the building.

F7 POEO Act offense

It is an offence under the provisions of the *Protection of the Environment Operations Act* 1997 to act in a manner causing, or likely to cause, harm to the environment. Anyone allowing material to enter a waterway or leaving material where it can be washed off-site may be subject to a penalty infringement notice ('on-the-spot fine') or prosecution.

END OF CONSENT