



Development Consent

Section 80 of the *Environmental Planning and Assessment Act 1979*

I, the Chief Executive Officer, of the Sydney Olympic Park Authority, pursuant to section 80(1) and 80(A) of the *Environmental Planning and Assessment Act 1979*, Clause 22 of the *Sydney Olympic Park Authority Act 2001*, and in accordance with the delegations invested to my office by the Minister for Planning, grant development consent to the development 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.

Alan Marsh

Chief Executive Officer
Sydney Olympic Park Authority

Date: 18 June 2015

SCHEDULE 1

Development Application:	DA 07-04-2015
Application made by:	Australian College of Physical Education (ACPE)
To:	Sydney Olympic Park Authority
In respect of:	Lot 9 DP 1185060, 10 Parkview Drive (QUAD 4), Sydney Olympic Park
For the following:	Fitout and change of use of part of the existing building for use as an educational establishment (tertiary physical education), and erection of one new building for use for indoor recreation that is ancillary to the educational establishment.
Determination:	Consent granted subject to 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 other authorities as relevant The Applicant has 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 Regulations 2000 (as amended)

SCHEDULE 2
CONDITIONS OF CONSENT
DEVELOPMENT APPLICATION No. 07-04-2015

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.

These conditions of this consent do not relieve the proponent of its obligations under the *Environmental Planning and Assessment Act 1979*, and any other Act.

A2 Student Population

The maximum number of students to be enrolled at this school must not exceed 870. If a greater student population is proposed, an updated Traffic Impact Assessment report and Work Place Travel Plan shall be submitted to SOPA's General Manager – Operations & Sustainability for consideration.

A3 Trial Period

- a) The consent is valid for a trial period of 5 years from the date that the use commences. It is the applicant's responsibility to advise Sydney Olympic Park Authority of the date of the commencement of the use. In the event that no such advice is provided to Sydney Olympic Park Authority the commencement date will be deemed to be the same as the date of issue of the development consent.
- b) Should the applicant seek to operate beyond the 5-year trial period, a Section 96 modification application is to be submitted to the Authority for its consideration no later than six months prior to the trials expiry date. At this point the Authority may include additional conditions relating to traffic management if required.
- c) The trial period is to allow Sydney Olympic Park Authority to monitor the traffic generation of the proposed development and determine if any further works need to be carried out on site or in the public domain to ensure that the school operates with minimum impact to neighbouring properties and the public street system. Should any operational issues arise during the trial period, the applicant shall submit to SOPA an updated Work Place Travel Plan. The plan must include a summary of the mode of transport in which students and staff travels to the site, and how any issues are to be satisfactorily addressed.

A4 Development in Accordance with Plans & Documentation

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

Architectural Plans prepared by L Form Architect, Project No. 1501, dated April 2015
--

Design Plans prepared by Sheldon, for ACPE, dated 17/04/2015
--

Landscape Plans prepared by Melissa Wilson Landscape Architect, Project Quad 4 – Parkview Drive

Statement of Environmental Effects prepared by Australian Facilities Solutions Pty Ltd dated 27 April 2015
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Traffic Impact Assessment Report prepared by Ason Group dated 27/04/2015
BCA Compliance Report prepared by Building Certificates Australia P/L dated 27/04/2015
Cost Plan prepared by Slattery, Ref 13435-cp2, dated 27 April 2015
Access Review prepared by Morris Goding Accessibility Consulting dated 24 April 2015
Drainage Plan prepared by Triaxial Consulting, Project Quad 4 – Bennelong Road, dated 15.4.15

except for:

1. 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. otherwise provided and/or amended by the Conditions of this Consent;
3. otherwise as necessary to comply with other NSW and Commonwealth legislation.

A5 Inconsistency between documents

In the event of any inconsistency between Conditions of this Consent and the details referred to in Condition No. A3, the Conditions of this Consent prevail.

A6 Prescribed Conditions

The Proponent shall comply with the prescribed conditions of development consent under Clause 98 of the *Environmental Planning and Assessment Regulations 2000* in relation to the requirements of the BCA.

A7 Critical Stage Inspections

The *Environmental Planning and Assessment Act 1979* Section 109E (3) (d), requires that inspections be carried out by the Principle Certifying Authority (PCA) or another Accredited Certifier with the prior consent of the PCA.

A8 Standards and Codes

All fit-out building works shall be constructed in accordance with safe work practices and complying with the relevant adopted Australian Standards, Codes of Practice and the current Building Code of Australia requirements.

END OF PART A

PART B – PRIOR TO ISSUE OF CONSTRUCTION CERTIFICATE

B1 Construction Certificate

A Construction Certificate is to be issued for all works by an accredited certifier in accordance with the requirements set out in Section 81A of the Environmental Planning and Assessment Act 1979.

The Construction Certificate is to be prepared to include the recommendations and requirements contained in the following Reports:

1. The Fire Safety Report by Defire dated 24th April 2015.
2. The Access Review by Morris Goding dated 24th April 2015.
3. The BCA Compliance Report by Building Certificates Australia Pty Ltd dated 27th April 2015

B2 Principle 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 81A of the Environmental Planning and Assessment Act 1979.

B3 Accessibility

Prior to issuing a construction certificate the proposed construction plans are to demonstrate compliance with the provisions for persons with a disability with the requirements of AS 1428.1 and SOPA's Access Guidelines 2011.

B4 No Obstruction of Public Domain without a Works Permit

Prior to issuing a Construction Certificate, the proponent is to 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: Information on Work Permits can be obtained from www.sydneyolympicpark.com.au

B5 Mechanical Ventilation and Exhaust

Mechanical ventilation and exhaust is to be reviewed and upgraded if required. These systems shall comply with the requirements of clause F4.5 of the *Building Code of Australia* and its installation is to comply with AS1668.1 – 1988.

B6 Business Identification Signage

The Principal Certifying Authority shall be satisfied that the signage is consistent with the indicative signage zones on the approved plans, and the Authority's *Guidelines for Outdoor Advertising, Identification and Promotional Signage* (October 2002) and the approved plans.

B7 Traffic and Parking

A total of 85 onsite parking spaces are to be provided for this development, and:

- (1) The layout of the car park shall comply with the relevant Australian Standard AS2890.1: *Parking Facilities Part 1: Off Street Parking*. All parking spaces are to be clearly identified for use exclusively by the school.
- (2) Details demonstrating compliance with these requirements shall be submitted to the satisfaction of the Certifying Authority prior to the issue of a Construction Certificate.
- (3) The use of the car park area is to be for the exclusive use of the school of the building, with the exception of the nominated visitor spaces (including Accessible parking spaces).

B8 Pedestrian Access

Pedestrian access is to be provided / maintained in accordance with the approved plans. Any access path through the existing car park is to be appropriately signposted and markings are to be provided on the pavement surface to delineate the safe pedestrian area. If required traffic calming measures should also be installed.

B9 Bicycle Parking & Storage

Onsite bicycle parking is to be provided in accordance with the requirements of SOPA's Master Plan 2030.

B10 Construction Management Plan

Prior to the commencement of any works on the site, a Construction Management Plan (CMP) shall be submitted to and approved by SOPA's General Manager, Operations & Sustainability. The CMP shall address, but not be limited to, the following matters where relevant:

- (1) hours of work,
- (2) contact details of site manager,
- (3) traffic management,
- (4) waste management,
- (5) storage of materials,
- (6) security arrangements, and
- (7) signage.

B11 Construction Waste Management Plan

Prior to the commencement of works, the Applicant shall submit to the satisfaction of the PCA a Construction Waste Management Plan (CWMP) prepared by a suitably qualified person in accordance with the requirements of the SOPA Sustainability Strategy. The Applicant shall submit a copy of the plan to SOPA.

B12 Contact Telephone Number

Prior to the commencement of the works, the Applicant shall forward to SOPA a 24-hour contact telephone number for the duration of the construction works.

END OF PART B

PART C – DURING CONSTRUCTION

C1 Pollution Management

All noise, water, waste or air pollution activities generated by the development shall be managed in general accordance with the most recent NSW Office of Environment and Heritage guidelines and polices and relevant NSW legislation, including but not limited to, the *Protection of the Environment Operations Act, 1997*.

C2 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 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: Information on Work Permits can be obtained from www.sydneyolympicpark.com.au

C3 Fit-out in accordance with the *Building Code of Australia*

The fit-out is required to be in accordance with the provisions of the Building Code of Australia 2011 (BCA). All existing base building Essential Safety measures including all the required exits are to be preserved within the base building areas and maintained or upgraded if required to accommodate the proposed new fit-out.

1. All building works are to be in accordance with the provisions of the *Building Code of Australia* (BCA) and any relevant *Australian Standards*,

Note: Sufficient information must be forwarded to the certifying authority illustrating compliance with the relevant requirements of the *Building Code of Australia* and *Australian Standards*. Sufficient information may include but not limited to, reports or certifications issued by an appropriately qualified person. Please contact your relevant certifying authority to discuss requirements prior to submission of the application for construction certificate and occupation certificate.

C4 Work Health and Safety Act 2011

All works are to be carried out in accordance with the *NSW Work Health and Safety Act* and the Regulation 2011.

C5 Hours of Work

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

1. 7.00am to 5.00pm on Monday to Fridays (inclusive)
2. 7.00am to 3.00pm on Saturdays
3. No work on Sundays and Public Holidays (except with the prior written consent of SOPA's General Manager – Operations and Sustainability).

C6 Erosion and Sediment Control

An Erosion and Sediment Control Plan including soil erosion and sediment control measures designed in accordance with the document *Managing Urban Stormwater-Soils & Construction Volume 1 (2004)* by Landcom prior to the issue of a Construction Certificate.

C7 Site Notice

A site notice(s) shall be prominently displayed at the boundaries of the site for the purposes of informing the public of project details. The notice(s) is to satisfy all but not be limited to, the following requirements:

- (1) Minimum dimensions of the notice are to measure 841mm x 594mm (A1) with any text on the notice to be a minimum of 30 point type size;
- (2) The notice is to be durable and weatherproof and is to be displayed throughout the works period;
- (3) 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
- (4) The notice(s) is to be mounted at eye level on the perimeter hoardings/fencing and is to state that unauthorised entry to the site is not permitted.

C8 Approved Plans to be On-site

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

END OF PART C

PART D – PRIOR TO ISSUE OF OCCUPATION CERTIFICATE

D1 Occupation Certificate

An Occupation Certificate shall be obtained from the Principal Certifying Authority, upon completion of the new fit-out building works and prior to occupation, in accordance with the requirements of Section 109H and 109M of the *Environmental Planning and Assessment Act 1979*.

D2 Fire Safety Certificate

All fire safety measures serving the building are to be certified to the relevant local Consent Authority (Auburn Council) as being maintained in accordance with the requirements of the Building Code of Australia and Environmental Planning and Assessment Act 1979 and Regulations on a yearly basis within 12 months after the date on which the initial Fire Safety Certificate is issued.

D3 Workplace Travel Plan

Prior to the issue of an Occupation Certificate, a Workplace Transport / Travel Plan prepared by a suitably qualified person, detailing transport and parking arrangements for staff/ persons associated with the subject development shall be submitted to the satisfaction of SOPA's General Manager – Operations and Sustainability.

D4 Proponent to pay for any damage to footpath or public assets

The cost of repairing any damage caused to Sydney Olympic Park Authority 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 Proponent/developer prior to the issue of the final Occupation Certificate.

D5 As -built plans

'As-built' plans in both PDF and CADD formats of the building and any existing external infrastructure that has been deleted or modified is to be submitted to SOPA within 3 months of obtaining an Occupation Certificate.

END OF PART D

PART E – DURING OCCUPATION

E1 Annual Fire Safety Statement

All fire safety measures serving the building are to be certified to the relevant local Consent Authority (Auburn Council) as being maintained in accordance with the requirements of the BCA and *Environmental Planning and Assessment Act 1979* and *Regulations* on a yearly basis, within 12 months after the date on which the initial Fire Safety Certificate is issued.

E2 Hours of Operation

The hours of opening for the General Core Business shall be restricted to between 8.00 am to 6.00 pm (Monday to Friday) and Closed (Saturday, Sunday & Public Holidays).

Note: The Proprietor must ensure that the operation of the business is carried out in a responsible manner and not to unduly interfere with building, shop or pedestrian function or amenity.

E3 Loading and Unloading

All loading and unloading service vehicles in connection with the use of the premises shall be carried out within the designated loading dock or a designated on-street loading zone.

Loading and unloading of goods and waste management must be carried out in a responsible manner and not to unduly interfere with building, shop or pedestrian function or amenity.

E4 Waste Management

No waste is to be stored on the footpaths or public domain areas of Sydney Olympic Park. All waste is to be stored and disposed from within the designated waste storage area as nominated on the approved plans.

Suitably constructed waste disposal containers with secure fittings must be kept on the property for the storage of any food and liquid waste prior to final disposal. If required bin storage areas may need to be refrigerated to ensure that food waste does not create amenity issues.

E6 No Obstruction of Public Way

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

E7 No 3rd party advertising or shop product promotional display on windows

The window(s) is to remain free of any 3rd party advertising and promotional displays.

E8 Signage Illumination

Illuminated signs associated with the premises shall not flash intermittently or cause significant glare or injury to the amenity of the public domain or persons. If, in the opinion of Sydney Olympic Park Authority, injury is likely to be caused, the intensity, period of intermittency and hours of illumination may be varied to the satisfaction of Sydney Olympic Park Authority.

END OF CONSENT



Sydney Olympic Park

Sydney Olympic Park Authority

8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental Planning and Assessment Act 1979

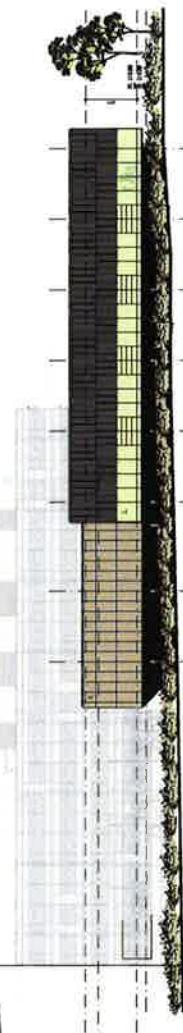
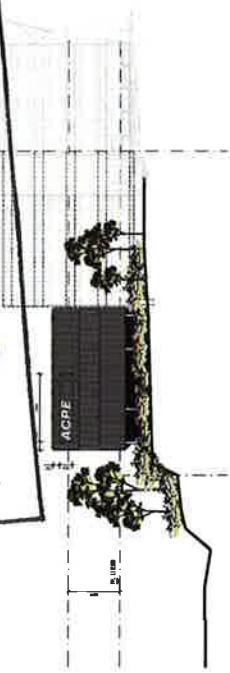
Approved Development Application No. **07 - 04 - 2015**

Granted on the **18 JUN 2015** - subject to any conditions

contained in the notice of determination.

Date: **18 JUN 2015**

Signed: 



ACPE

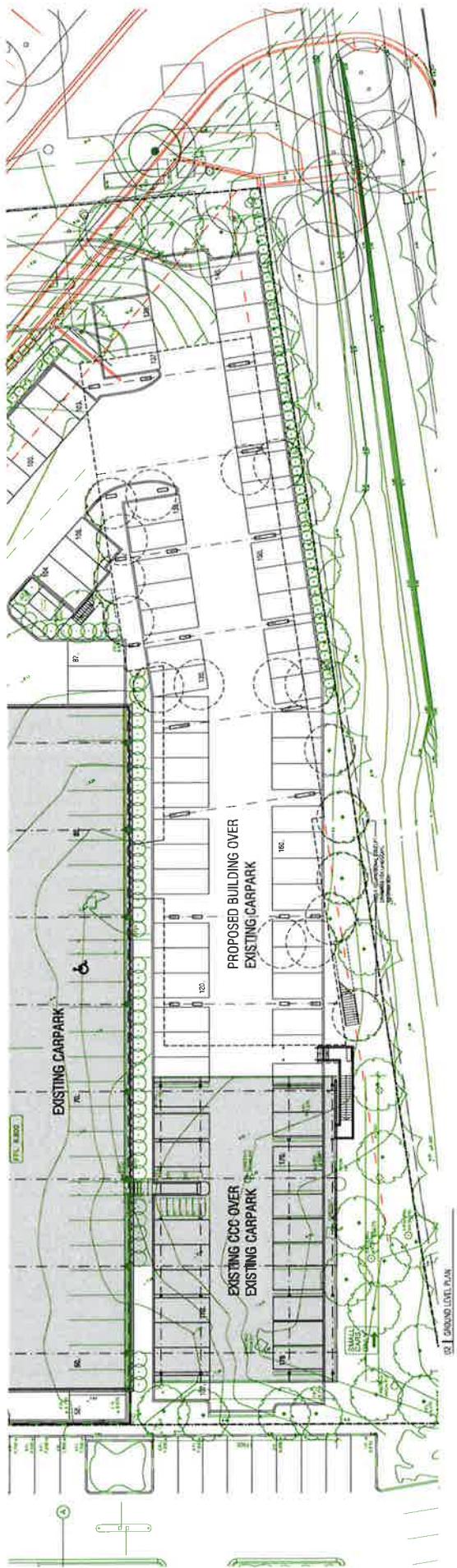
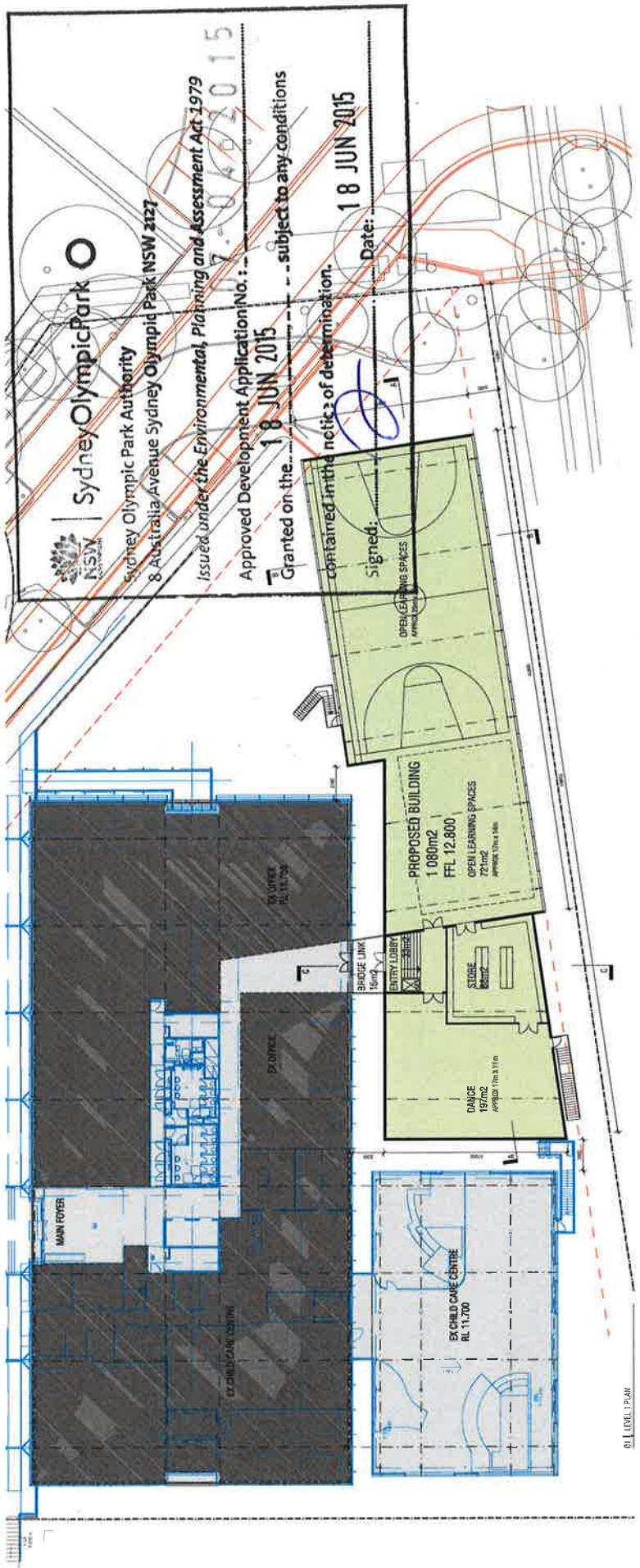
AUSTRALIAN COLLEGE OF PHYSICAL EDUCATION

CONCEPT DESIGN - OPEN TEACHING SPACE FACILITY
QUAD 4 SYDNEY OLYMPIC PARK

APRIL 2015

LIFORM ARCHITECTS
101-103 The Pitt Street Arcade, 21 Pitt Street, Chatswood NSW 2067
ABN 12 123 123 123 | ACN 123 123 123
GPO Box 1234, Sydney NSW 2001 | T 02 8434 1234 | F 02 8434 1235

QUAD 4 - PARKEN@SYDNEY OLYMPIC PARK	COVER	1 APR 2015	APR 2015	1501 1501-D4000 AA



QUAD 4 - PARVIEW DR SYDNEY OLYMPIC PARK	GROUND FLOOR AND LEVEL 1 PLANS	1501 15/01-DAA02
L FORM ARCHITECTS 100 BURRWOOD HIGHWAY, BURWOOD NSW 2128 T 02 8563 1000 E info@lformarchitects.com.au	MAR 2015 12200g A1	18 JUN 2015



Sydney Olympic Park

Sydney Olympic Park Authority
8-10 Australia Avenue Sydney Olympic Park NSW 2127

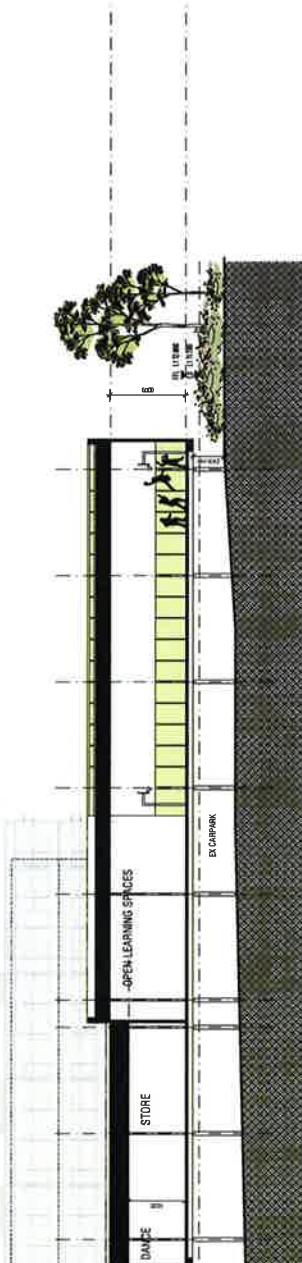
Issued under the Environmental Planning and Assessment Act 1979

Approved Development Application No. 07-04-2015

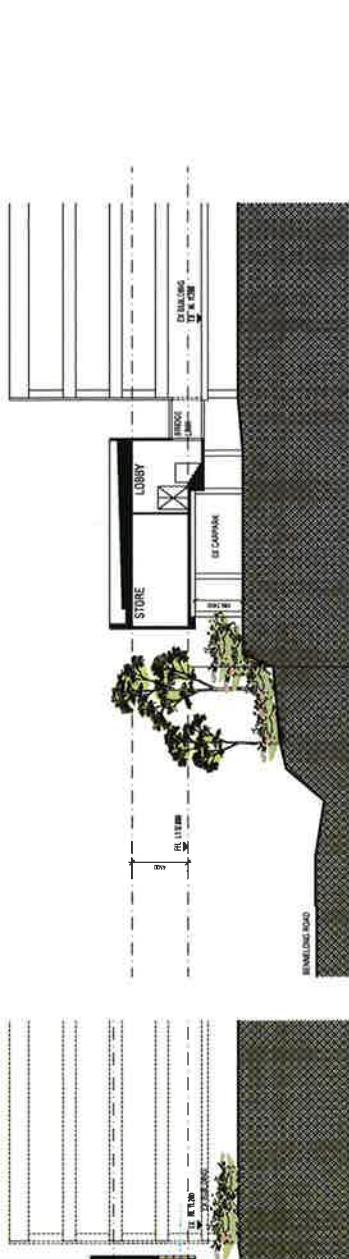
Granted on the 18 JU

contained in the notice of determination.

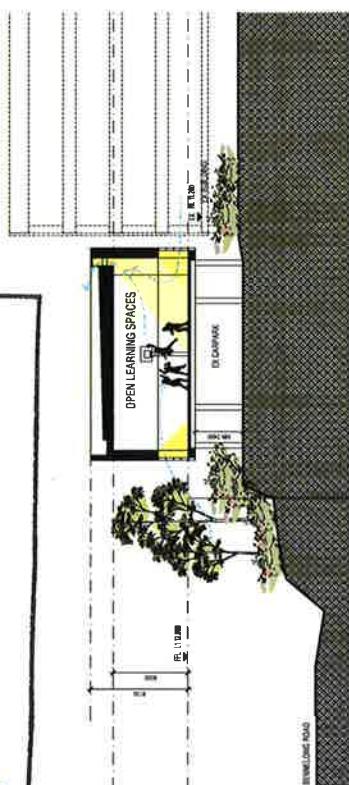
Signed:  Date: 18 JUN 2015



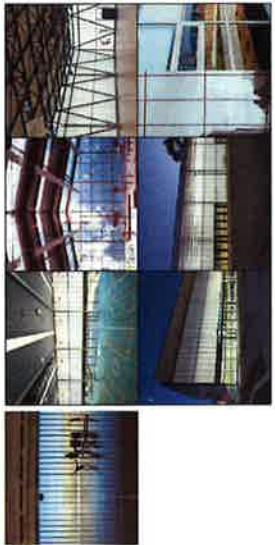
A1 SECTION A



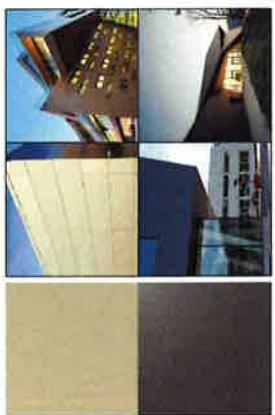
A2 SECTION C



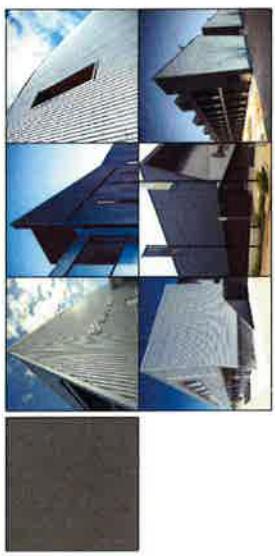
A3 SECTION B



3. TRANSLUCENT FAÇADE PANEL GLAZING - DANPALON
ALUMINIUM FRAMING - MATT BLACK



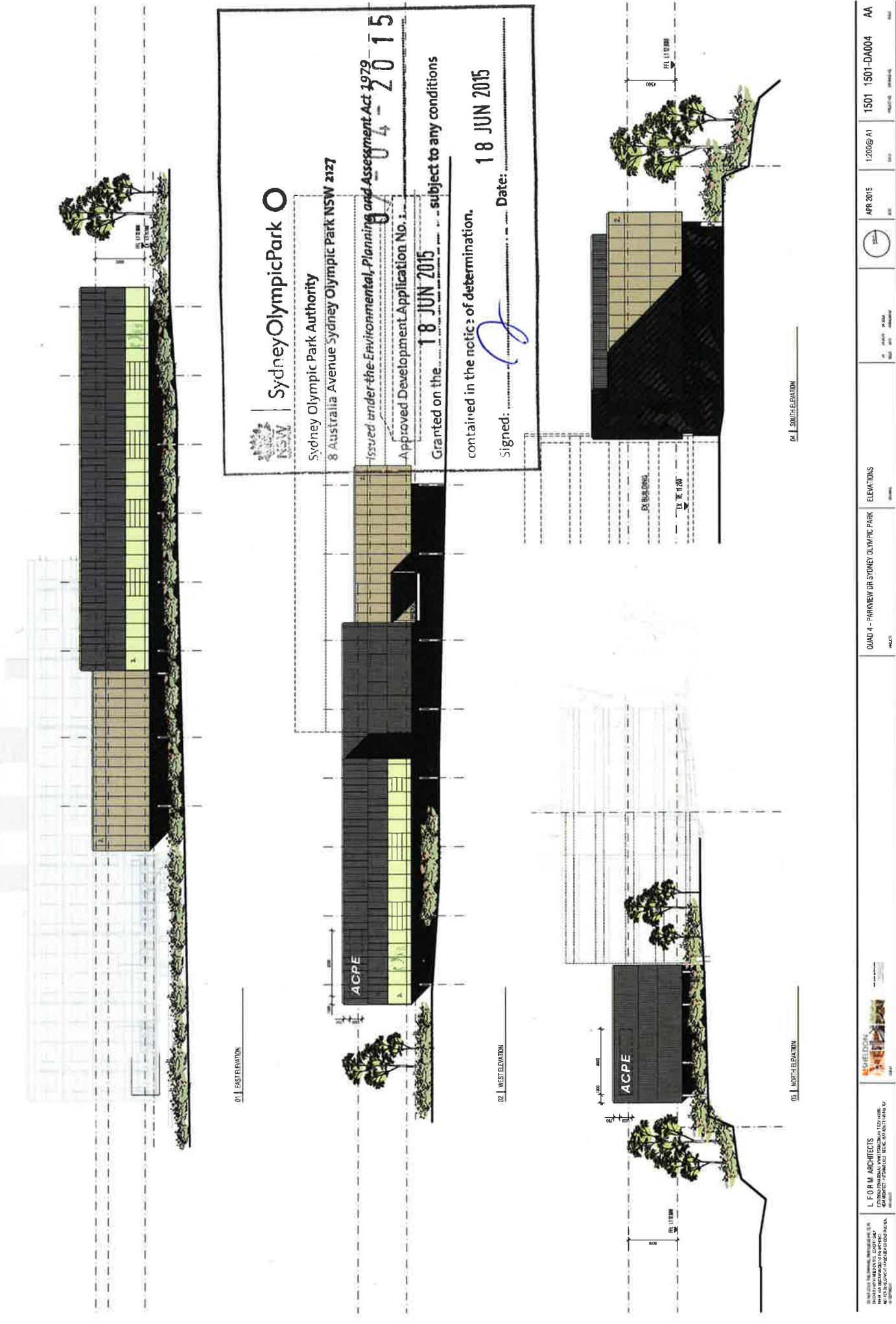
2. ALUMINIUM FACED WALL CLADDING
COLOUR: BRONZE METALLIC / METALLIC DARK GREY

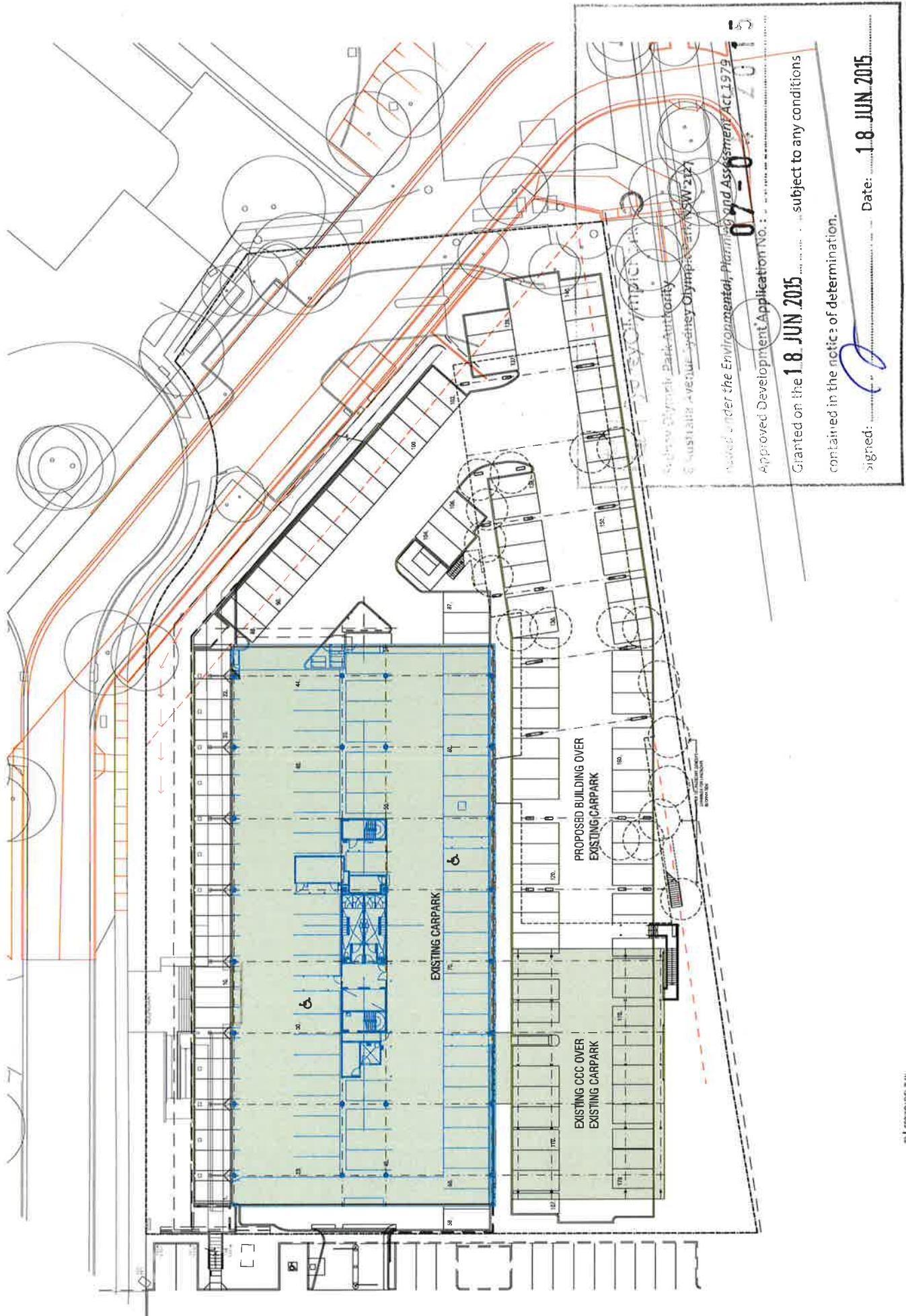


1. STRATUS LONG SPAN CLADDING
COLOUR: CHARCOAL ROD AND GREY

B1 MATERIALS

L.F.O.N & B.R.E.F.T.S	SECTIONS AND MATERIALS	SECTIONS AND MATERIALS	MAR 2015	1200@ A1	1501 1501-DA003	AA
Architect: <small>Architectural Services Division NSW Government</small> Project Manager: <small>Project Manager NSW Government</small> Design Team: <small>Design Team NSW Government</small> Local Government: <small>Local Government NSW Government</small> Other Stakeholders: <small>Other Stakeholders NSW Government</small>						





GROUND LEVEL PLAN		QUAD 4 PARKING DR SYDNEY OLYMPIC PARK	GROUND LEVEL CARPARK PLAN	APR 2015	1501 1501-DA020	AA
L F O I M ARCHITECTS 100-102 DIXON STREET, CLOVELLY, SYDNEY NSW 2022 T 02 8515 1000 E info@lfoim.com.au www.lfoim.com.au	SHELDON	1501 1501-DA020	1501 1501-DA020	1501 1501-DA020	1501 1501-DA020	1501 1501-DA020



Sydney Olympic Park Authority

8 Australia Avenue Sydney Olympic Park NSW 2127

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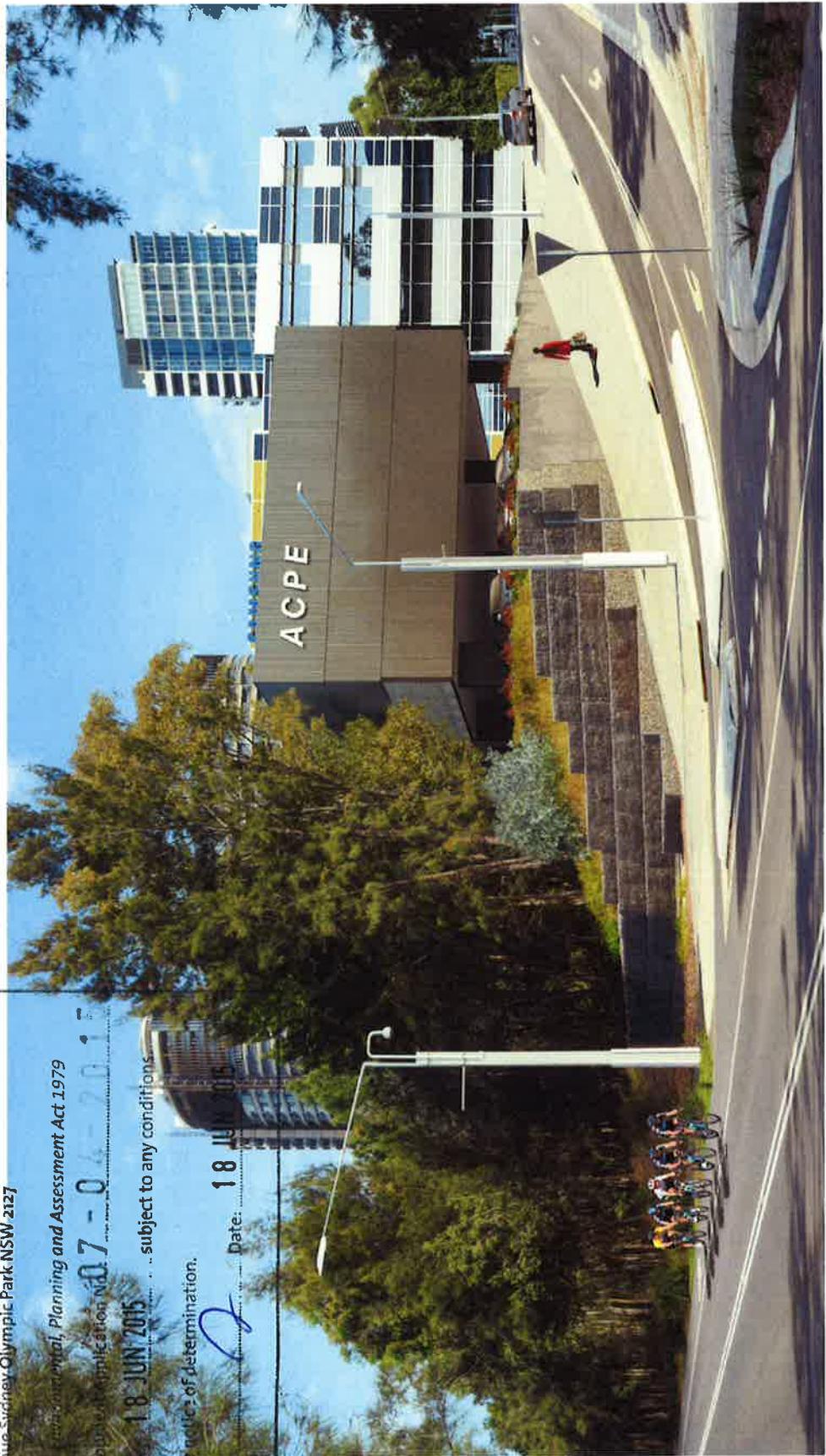
Approved Development Application No 07 - 0

Granted on the 18 JUN 2015 subject to any conditions.

Contained in the Notice of determination.

Signed:

Date: 18 JUN 2015



C1 | VIEW 1

Proposed development application no.: DA 15/01-07-0 Title of proposed development: DUO 1 - BENNELONG ROAD HOMEBUSH BAY Type of development: Residential	FORM 1 FORM OF APPROVED DEVELOPMENT APPLICATION SCHEDULE 1 SCHEDULE OF CONDITIONS SCHEDULE 2 SCHEDULE OF PLANS SCHEDULE 3 SCHEDULE OF DRAWINGS SCHEDULE 4 SCHEDULE OF INFORMATION	3D VIEWS DRAWING	APR 2015 MAY JUN JULY AUG SEPT OCT NOV DEC	1501 15/01-DA/3001 AA TMA/C
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Sydney Olympic Park O

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental Planning and Assessment Act 1979

Approved Development Application No. DA/15/0077

Granted on the 18 JUN 2015 subject to any conditions

contained in the notice of determination.

Signature:

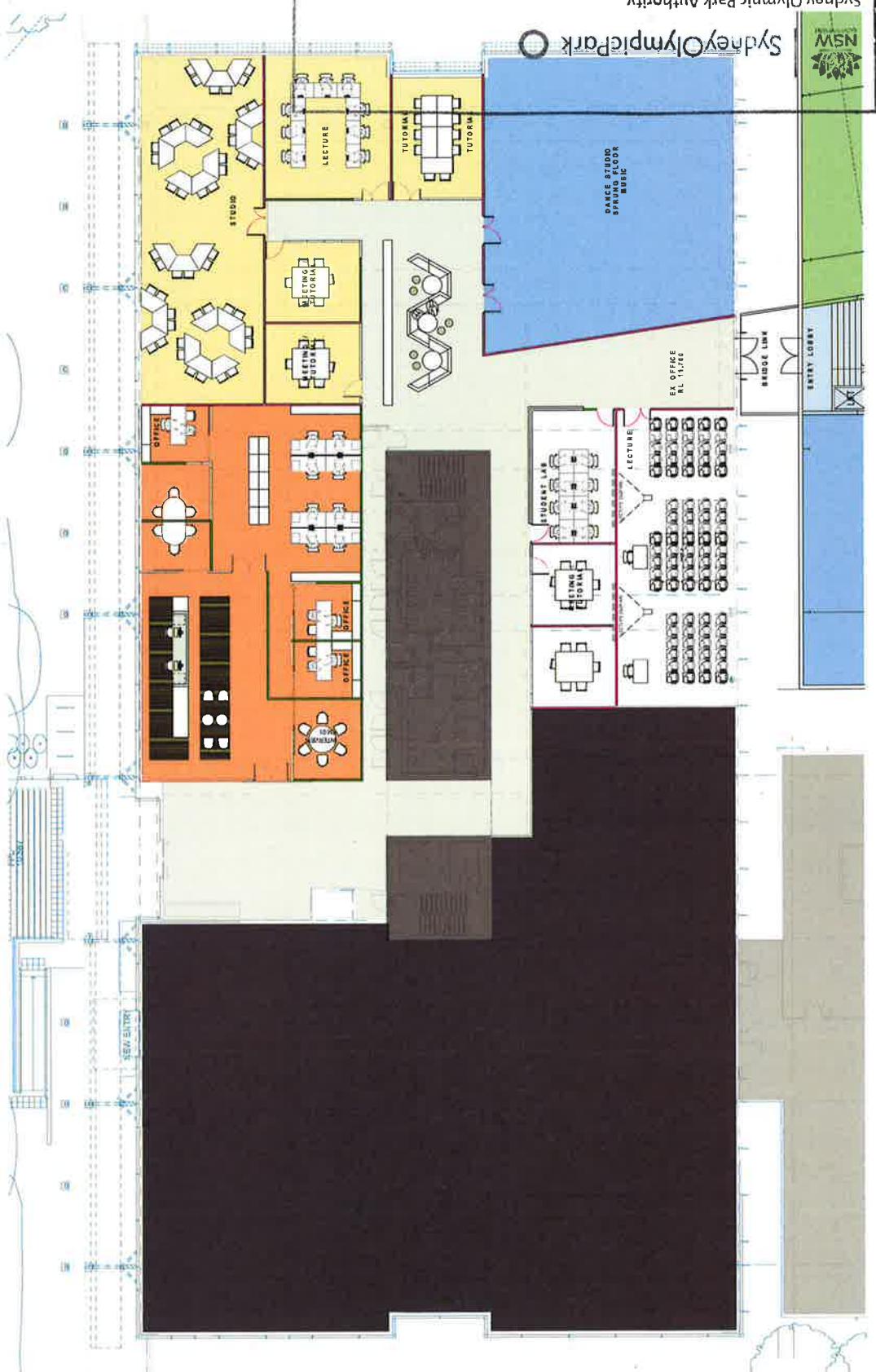
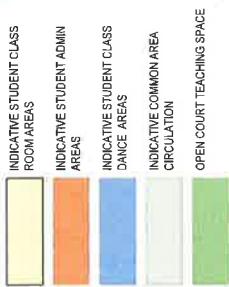
Date: 18 JUN 2015



VIEW 2

FORM DA/15/0077 APPROVED DEVELOPMENT APPLICATION FOR THE CONSTRUCTION OF A NEW COMMERCIAL OFFICE BUILDING AT 8 AUSTRALIA AVENUE, SYDNEY OLYMPIC PARK, NSW 2127. THIS FORM IS A COPY OF THE APPROVED DEVELOPMENT APPLICATION AS IT EXISTED ON 18 JUNE 2015. IT IS NOT AN ACTUAL RECORD OF THE APPROVAL. IT IS FOR INFORMATION PURPOSES ONLY.	1501 1501-DA/3002 AA
3D VIEWS 	APR 2015

NOTES:



INDICATIVE BLOCK USE PLAN : ENTRY / L1

SHELDON



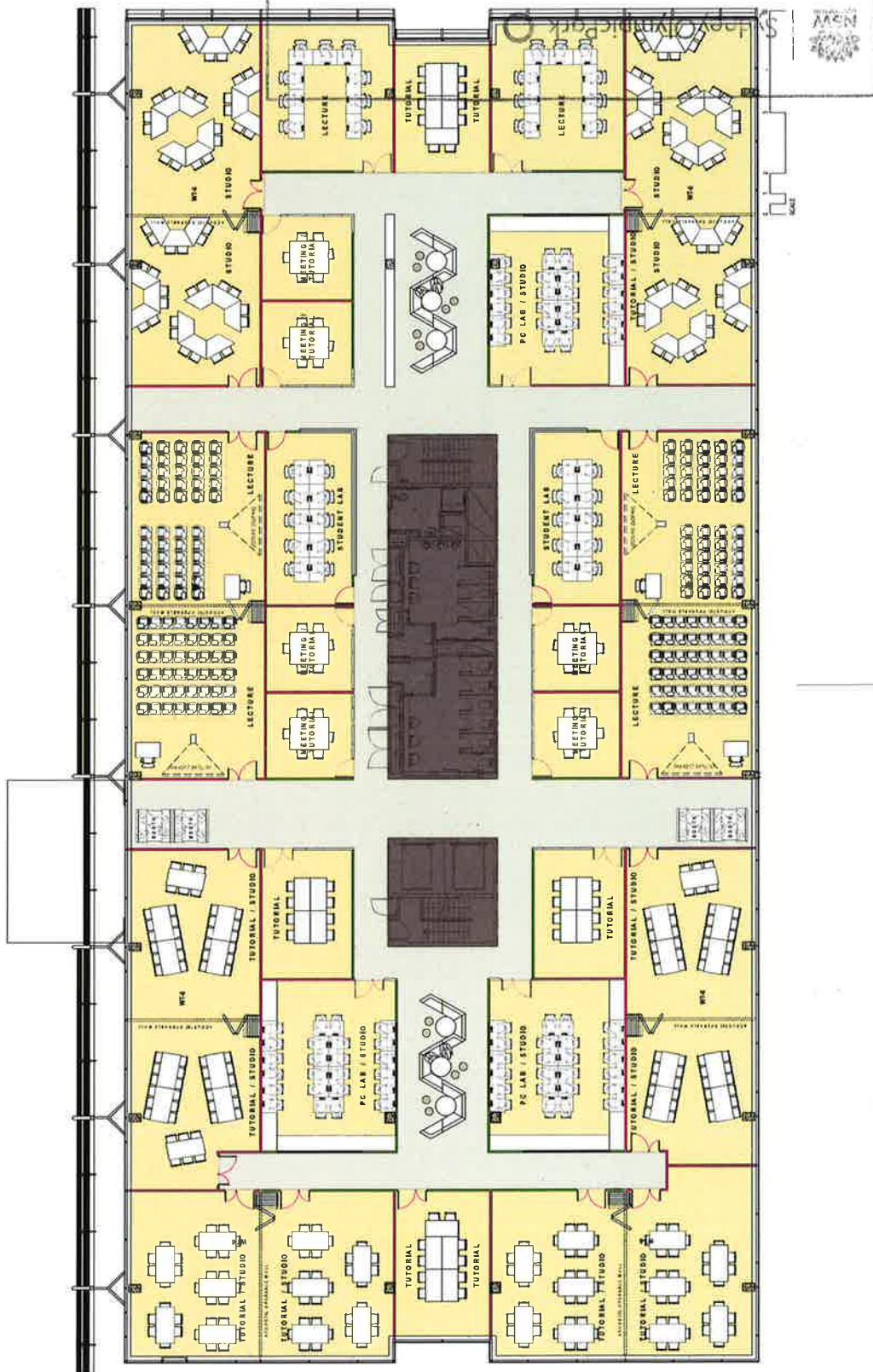
B MINISTER FOR DEVELOPMENT		17/01/15
APPLICATION FOR USE OF ANYL - PLANS		20/01/15
ARE INDICATIVE		
A m FOR INFORMATION ONLY		
NO. BY	AMENDMENT	DATE
BRONWEN	SK 01	REASON
M/J/H		REASON

INDICATIVE FLOOR PLANS

B

INDICATIVE FLOOR PLANS

NOTES:



Date: 18 JUN 2015
Signed: *[Signature]*
containing the notice of determination.

Granted on the 18 JUN 2015 subject to any conditions

Approved Development Application No.: 07 - 04 - 20
Issued under the Environmental Planning and Assessment Act 1979

8 Australia Avenue Sydney Olympic Park NSW 2127
Sydney Olympic Park Authority

B	ISSUED FOR DEVELOPMENT APPLICATION OR USE ONLY - PLANS ARE INDICATIVE	17/4/15
A	NOT FOR INFORMATION ONLY	20/1/15
No. BY AMENDMENT		DATE
M/H		RECEIVED SK 01

AUSTRALIAN COLLEGE OF PHYSICAL EDUCATION

INDICATIVE FLOOR PLANS

RECEIVED

S SHELDON



SHELDON INTERIORS

Open Guard, 40 Mount St
North Sydney NSW 2060
P: 02 8999 7488 | F: 02 8999 7788

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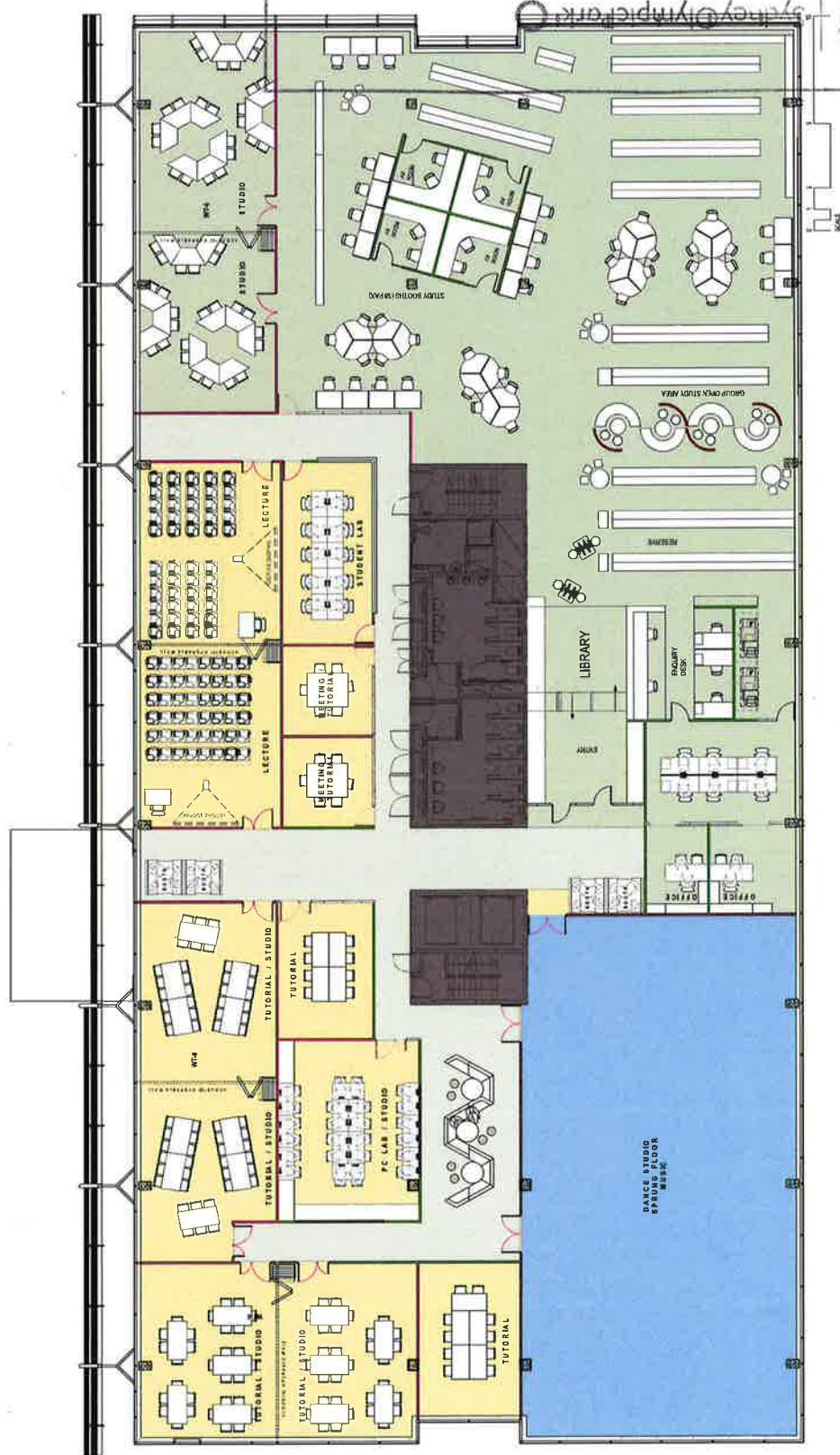
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INDICATIVE BLOCK USE PLAN : TYPICAL FLOOR [TEACHING SPACE ONLY]

NOTES:



INDICATIVE BLOCK USE PLAN : TYPICAL FLOOR [WITH LIBRARY]

SHELDON



8 MH ISSUED FOR DEVELOPMENT	17/4/15
APPLICATION FOR USE ONLY - PLANS	
ARE INDICATIVE	28/11/15
A m. h. FOR INFORMATION ONLY	
No. BY AMENDMENT	
DRAWN BY: J.M.H	DESIGNED BY: J.M.H
DATE: 18 JUN 2015	REF ID: B
APPROVED Development Application No. 07 - 06 - 20	
Issued under the Environmental Planning and Assessment Act 1979	
Sydney Olympic Park Authority	
Sydney Olympic Park NSW 2127	
Subject to any conditions contained in the notice of determination.	

AUSTRALIAN COLLEGE OF
PHYSICAL EDUCATION

INDICATIVE FLOOR PLANS

DRAWN BY: J.M.H
DESIGNED BY: J.M.H
DATE: 18 JUN 2015
REF ID: B

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SHELDON INTERIORS



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SydneyOlympicPark O

Sydney Olympic Park Authority
8 Australia Avenue Sydney Olympic Park NSW 2127

Issued under the Environmental Planning and Assessment Act 1979

Approved Development Application No.:	07-04-2015
Grant given on the:	18 JUN 2015
... subject to any conditions contained in the notice of determination.	
Signed:	<i>[Signature]</i>
LEGEND	
■	EXISTING PIT

18 JUN 2015

Date:

EXISTING DRAINAGE LINE
SITE BOUNDARY



ISSUED FOR DA	RECEIVED
TRIA CONSULTING Professional Engineering Services	11/03/13
ABN: 24 150 426 714	STAFF: 24
PO Box 4003, STONEY RIVER, NSW 1235	LEVEL: 1, 327 PITT STREET, SYDNEY 2000
SYDNEY, AUSTRALIA	TELEPHONE: 02 8511 5334
MURDOCH BAROSSA	FAX: 02 8511 5335
L FORM ARCHITECTS	E MAIL: info@tria.com.au

CLIENT SHELDON INTERIORS
40 MOUNT STREET
NORTH SYDNEY NSW 2060

PROJECT PROPOSED DRAINAGE PLAN
QUAD 2 - BENNELONG ROAD
HOMEBOURNE BAY

ISSUED DRAWN DATE CHECKED DRAWN TITLE

18/06/13 15/06/13 TX-11249-00-C01

DRAWING NO. TX-11249.00-C01

ISSUE B

SCALE 1:250 AT A SITE SHEET

2m 0 5 10 15 20 25m



RECEIVED

STORMWATER MANAGEMENT AND WATER SENSITIVITY URBAN DESIGN STATEMENT:

THIS DESIGN HAS BEEN APPROACHED TO ADDRESS THE INTENTIONS OF THE STORMWATER MANAGEMENT AND FLOWS, DURATION AND WATER QUALITY.

WHilst IT IS NOTED THAT THE INTENTIONS OF THE DESIGN POLICY IS TO REDUCE RUNOFF DISCHARGE, INCREASE REUSE OF NON-POTABLE WATER AND IMPROVE DISCHARGE WATER QUALITY, IT MUST BE NOTED THAT DUE TO THE NATURE OF THE PROPOSED DEVELOPMENT THAT IT IS IMPrACTICAL TO ACHIEVE MAJOR IMPROVEMENTS IN THESE AREAS AS THE PROPOSED DEVELOPMENT IS NOT CHANGING THE EXISTING SITE CONFIGURATION IN REGARDS TO ANY OF THESE ITEMS. THE EXISTING STORMWATER COLLECTION, REUSE AND DISGOLF CONFIGURATION REMAINS BASICALLY UNCHANGED.

THE EASTING SITE IS A COMMERCIAL PREMISES WITH A BITUMEN CARPARK AND HINHAI LANDSCAPING AROUND THE PROPERTY PERIMETER. THE EXISTING CARPARK FALLS TOWARDS THE SOUTH EAST AND THE RUNOFF IS COLLECTED VIA A SERIES OF KERB INLET PITS AS NOTED ON THE EXISTING DRAINAGE PLAN ON DRAWING TX-11249.00-C01. THESE PITS ARE CONNECTED BY UNDERGROUND LINES WHICH DISCHARGE ACROSS THE EASTERN BOUNDARY INTO A CULVERT. THIS CONFIGURATION WILL NOT CHANGE WITH THE NEW DEVELOPMENT.

THE PROPOSED DEVELOPMENT DOESN'T CHANGE THIS STORMWATER CONFIGURATION IN REGARDS TO THE CATCHMENT AREA OR OFF SITE DISPOSAL. IT BASICALLY CHANGES THE COLLECTION OF THE STORMWATER RUNOFF TO THE ROOF. THE NEW DEVELOPMENT PROPOSES TO BUILD OVER THE EXISTING CARPARK HARDSTAND. THE RUNOFF WILL THEN BE COLLECTED ON THE ROOF OF THE NEW BUILDING. IT IS PROPOSED TO COLLECT THE ROOF RUNOFF IN A BOX GUTTER ON THE EASTERN SIDE OF THE NEW BUILDING AND CONNECT IT TO THE EXISTING INGROUND DRAINAGE AT EXISTING PITS AND EP6 AS NOTED ON PROPOSED DRAINAGE PLAN NOTED ON THIS DRAWING.

WHilst THE SITE FROM A DRAINAGE ISSUE IS NOT CHANGING, THE ISSUE OF WATER QUALITY DISCHARGED WILL BE IMPROVED.

THE STORMWATER COLLECTION POINT WILL MOVE FROM THE CARPARK AVEENET HARSTAND TO THE ROOF. AS THE DEVELOPMENT NOT INCLUDED ANY WATER USAGE AMENITIES SUCH AS TOILETS, AND THE SITE LANDSCAPING AREA IS NOT CHANGING, THIS DEVELOPMENT IS LOW DEMAND IN RESPECT TO WATER REUSE.

NET POLLUTANT REDUCTIONS WILL INCLUDE: LITTER, GROSS POLLUTANTS, SEDIMENT AND HYDROCARBONS.

THE ISSUE OF IMPROVING LOCAL STORMWATER HARVESTING AND REUSE OF NON POTABLE WATER IS ALSO LIMITED AS THE DEVELOPMENT NOT INCLUDED ANY WATER USAGE AMENITIES SUCH AS TOILETS, AND THE SITE LANDSCAPING AREA IS NOT CHANGING. THIS DEVELOPMENT IS LOW DEMAND IN RESPECT TO WATER REUSE.

THE PROPOSED DEVELOPMENT IS RELATIVELY SIMPLE. THE FOOTPRINT OF THE SITE WILL NOT CHANGE AND OPPORTUNITIES FOR REUSE AND IMPROVEMENT OF THE EXISTING CONDITION ARE LIMITED. HOWEVER, THERE WILL BE AN IMPROVEMENT IN THE WATER QUALITY BEING DISCHARGED FROM THE SITE.

PROPOSED ROOF DRAINAGE PLAN

SCALE 1:50

NET INCREASE OF IMPERVIOUS SURFACE CATCHMENT AREA 22.50M²

LEGEND:

- D_p DENOTES: PROPOSED DOWNPIPE WITH SIDE OVERFLOW

STORMWATER DRAINAGE NOTES:

1. ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500.3:2003 PLUMBING AND DRAINAGE.
2. PART 3: STORMWATER LOCATIONS AND INVERT LEVELS TO BE CONFIRMED PRIOR TO COMMENCING WORKS ON SITE.
3. EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED PRIOR TO COMMENCING WORKS ON SITE.
4. PIPES SHALL BE FULLY SUPPORTED, RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMMING DETAILS.
5. WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED 600 UPVC TO EACH SIDE OF PIPE.
6. PROVIDE MIN. 100MM COVER TO PIPES BELOW IT, LANDSCAPED AND PEDESTRIAN AREAS.
7. PROVIDE MIN. 600MM COVER TO PIPES BELOW STREETS, PAVEMENT AREAS.
8. PROVIDE CLEANING EYES (PROVIDING POINTS TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT).
9. DOWN PIPES PROVIDE CLEANING EYE AT GROUND LEVEL.
10. ALL DOWN PIPES AND AERIAL LINES TO BE FULLY SEALED.

- ROOF DRAINAGE CALCULATIONS:**
DESIGN RAINFALL INTENSITIES
STORM BOX GUTTERS IN 100 YEARS = 270mm/hr
PROPOSED DOWNPIPE = 150 DIA

MAXIMUM CATCHMENT AREA TO SINGLE DOWNPIPE = 1425sqm

MAXIMUM FLOW INTO SINGLE DOWNPIPE = 10 B1/s

PROPOSED BOX GUTTER 150d MM X 600w

PROPOSED DOWNPIPS = 150 DIA

PROPOSED BOX GUTTER = 150d MM X 400w

FALL OF BOX GUTTER TO BE 1:100

PROPOSED DOWNPIPS = 150 DIA

PROPOSED BOX GUTTER = 150d MM X 400w
FALL OF BOX GUTTER TO BE 1:100
PROPOSED DOWNPIPS = 150 DIA

Approved Development Application No. 0.7 - 01 - 01 - 05
Granted on the 18 JUN 2015
Conditions contained in the notice of determination.
Signed: *[Signature]* Date: 18 JUN 2015

ISSUED FOR DA
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L FORM ARCHITECTS

CLIENT: SHELDON INTERIORS
40 MOUNT STREET
NORTH SYDNEY NSW 2060
PROJECT: PROPOSED DRAINAGE PLAN
QUAD 4 BENNELONG ROAD
HOMEBOURNS BAY
DESIGN: DATE: 10/06/2015
DRAWING TITLE: PROPOSED DRAINAGE PLAN
AND DETAIL
DRAWING No: TX-11249.00-C02
ISSUE: *[Signature]*

