



BLACKETT  
MAGUIRE+  
GOLDSMITH

## BCA CROWN CERTIFICATE

Pursuant to Section 6.28 of the Environmental Planning & Assessment Act 1979

<b>CERTIFICATE No.:</b>	CRO-22013
<b>DATE OF CERTIFICATE:</b>	17 May 2022
<b>SUBJECT LAND:</b> Lot & DP Address	Lot 501 DP 1165217 Campbell Street and Goulburn Street LIVERPOOL NSW 2170
<b>LOCAL GOVERNMENT AREA:</b>	Liverpool City Council
<b>APPLICANT:</b> Name Company Address  Phone/Email	Kristian Anthony ADCO Constructions Level 2, 7-9 West Street NORTH SYDNEY NSW 2060  Phone: +61 2 8437 5000 Email: <a href="mailto:kristiana@adcoconstruct.com.au">kristiana@adcoconstruct.com.au</a>
<b>OWNER:</b> Name Address  Phone / Email	Health Infrastructure Locked Bag 2030 ST LEONARDS NSW 1590  Phone: +61 2 9978 5402 Email: <a href="mailto:Anthony.Dimech@health.nsw.gov">Anthony.Dimech@health.nsw.gov</a>
<b>PLANNING APPROVAL:</b> SSD No.: Date of Determination	SSD-10388 30 November 2020
<b>DESCRIPTION OF DEVELOPMENT:</b>	<u>Crown Certificate #3</u> – Demolition of existing multistorey car park.  <i>Note: This Certificate does not approve the on-grade carpark</i>
<b>BCA CLASSIFICATION:</b>	Class 7a
<b>REFERENCED DOCUMENTATION:</b>	As listed in Schedule 1
<b>STATUTORY CERTIFICATION:</b>	

Pursuant to the provisions of Section 6.28 of the Environmental Planning and Assessment Act 1979, Blackett Maguire + Goldsmith Pty Ltd hereby certifies that the building works have been designed in accordance with the Building Code of Australia 2019, subject to the attached Conditions.

**CONDITIONS:** As listed in Schedule 2

**PERSON UNDERTAKING CERTIFICATION  
OF DESIGN ON BEHALF OF THE CROWN:**

SIGNATURE

Accredited Certifier in NSW  
Accreditation No.

David Blackett  
BDC 0032

Date: 17 May 2022

**Address** Suite 2.01,  
22-36 Mountain St  
Ultimo NSW 2007

**Postal** PO Box 167  
Broadway NSW 2007  
**ABN** 18 408 985 851

**Contact** Ph: 02 9211 7777  
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## SCHEDULE 1

### SCHEDULE OF DOCUMENTATION

+ Architectural Plans prepared by Fitzpatrick & Partners:

Drawing Number	Rev	Date	Drawing Number	Rev	Date
LHAP-AR-FPA-DRG-CP-010001	02	01 December 2020	LHAP-AR-FPA-DRG-CP-020001	09	27 November 2020
LHAP-AR-FPA-DRG-CP-030001	08	01 December 2020	LHAP-AR-FPA-DRG-CP-030002	07	01 December 2020
LHAP-AR-FPA-DRG-CP-100002	02	01 December 2020	LHAP-AR-FPA-DRG-CP-200002	02	01 December 2020
CRO-21017					
LHAP-AR-FPA-DRG-CP-110001	09	01 December 2020	LHAP-AR-FPA-DRG-CP-110002	11	01 December 2020
LHAP-AR-FPA-DRG-CP-110102	10	01 December 2020	LHAP-AR-FPA-DRG-CP-110202	10	01 December 2020
LHAP-AR-FPA-DRG-CP-110302	10	01 December 2020	LHAP-AR-FPA-DRG-CP-110402	10	01 December 2020
LHAP-AR-FPA-DRG-CP-110502	10	01 December 2020	LHAP-AR-FPA-DRG-CP-110602	11	01 December 2020
LHAP-AR-FPA-DRG-CP-110702	10	04 February 2020	LHAP-AR-FPA-DRG-CP-120001	09	04 February 2021
LHAP-AR-FPA-DRG-CP-120002	09	04 February 2021	LHAP-AR-FPA-DRG-CP-130001	08	01 December 2020
LHAP-AR-FPA-DRG-CP-140001	05	01 December 2020	LHAP-AR-FPA-DRG-CP-320005	05	04 February 2021
LHAP-ST-TTW-DRG-CP-500001	03	03 February 2021	LHAP-ST-TTW-DRG-CP-500101	03	03 February 2021
LHAP-ST-TTW-DRG-CP-500201	02	17 December 2020	LHAP-ST-TTW-DRG-CP-500301	02	17 February 2020
LHAP-ST-TTW-DRG-CP-500301	03	03 February 2021			
CRO-22013:					
LHAP-AR-FPA-DRG-CP-020001	09	27 November 2020	LHAP-AR-FPA-DRG-CP-110001	09	01 December 2020
LHAP-AR-FPA-DRG-CP-030001	08	01 December 2020			

+ Other documents:

ITEM	DOCUMENTATION	PREPARED BY	DATE
<b>CRO-21001</b>			
1.	Application Form	ADCO Constructions PL	25 November 2020
2.	Site Survey Plan	Cardno	17 September 2019
3.	Architectural Design Certificate	Fitzpatrick & Partners PL	11 January 2021
4.	Structural Design Certificate	Taylor Thomson Whiting (NSW) PL	14 December 2020
5.	Civil Design Certificate	Taylor Thomson Whiting (NSW) PL	4 December 2020
6.	Sydney Water Building Plan Approval	Warren, Smith & Partners	15 September 2020
7.	Electrical Design Certificate	Stantec	27 November 2020
8.	Staging Report	Wolf Peak	22 December 2020
9.	Remediation Works Statement	ADCO PL	4 December 2020
10.	Levy Receipt	ADCO PL	17 December 2020
11.	BCA Design Certificate - Access	ADCO PL	21 December 2020



12.	Email confirmation - N / A for planning for bush fire zone	ADCO PL	26 November 2020
13.	DA Condition AN6 - Electrical and Telecommunication Utilities	Stantec Australia PL	27 November 2020
14.	DA Condition AN7 - Electrical and Telecommunication Utilities	Stantec Australia PL	15 December 2020
15.	Hazardous Building Materials Survey Report	JK Environments	5 September 2019
16.	Stage 2 Environmental Site Assessment Report	JK Environments	29 January 2020
17.	Remediation Action Plan Report	JK Environments	30 April 2020
18.	Handling of Asbestos Design Statement	ADCO PL	21 December 2020
19.	Structural Drawings	Taylor Thomson Whiting (NSW) PL	20 November 2020
20.	Evidence of submission to Planning Secretary	ADCO PL	11 December 2020
21.	Dilapidation Report	Taylor Thomson Whiting (NSW) PL	10 December 2020
22.	Evidence of submission of dilapidation report to council.	ADCO PL	11 December 2021
23.	Email confirmation of zone of influence – Dilapidation Report	Taylor Thomson Whiting (NSW) PL	11 January 2021
24.	Demolition Design Certificate	Jeffsann Excavations PL	4 December 2020
25.	Construction Environmental Management Plan Design Statement	ADCO PL	21 December 2020
26.	Construction Environmental Management Plan	ADCO PL	25 November 2020
27.	Construction Traffic and Pedestrian Management Plan	PTC	14 December 2020
28.	Evidence of submission of Construction Environmental Management Plan to Planning Secretary	ADCO PL	4 December 2020
29.	Construction Noise and Vibration Management Plan	Acoustic Logic	4 December 2012
30.	Waste Management Plan	ADCO PL	26 August 2020
31.	Acid Sulphate Management Plan Certificate	ADCO PL	9 December 2020
32.	Certificate of Design – Construction Traffic Management Plan	PTC	14 December 2020
33.	Flood Emergency Response Sub-Plan	Taylor Thomson Whiting (NSW) PL	10 December 2020
34.	Geotechnical Assessment	JK Geotechnics	30 July 2020
35.	Geotechnical Investigation Report	JK Geotechnics	27 November 2019
36.	Impact of Proposed New Carpark on Sydney Trains Assets	Taylor Thomson Whiting (NSW) PL	24 November 2020
37.	Crane Radius Plan	Active Crane Hire	11 December 2020
38.	Annexure 1: TTW Report SAAE	ADCO PL	24 November 2020
39.	Annexure 2: JK Geotechnics Investigation Report	ADCO PL	27 November 2019
40.	Annexure 3: Site Plan	ADCO PL	27 November 2020
41.	Annexure 4: Cardno Below Ground Services Search	ADCO PL	17 September 2019
42.	Annexure 5: Electrolysis & Stray Traction Current Report	ADCO PL	16 September 2020
43.	Annexure 6: Clouston Associates Drawings	ADCO PL	20 November 2020
44.	Annexure 7: Environmental Management Plan Version 2	ADCO PL	25 November 2020
45.	Annexure cover pages	ADCO PL	27 July 2020
46.	Transport Sydney Trains approval	Transport Sydney Trains	21 December 2020
47.	Design Certificate – Protection of the rail corridor condition C37-C45	ADCO PL	11 December 2020



48.	Electrolysis & Stay Traction Current Report	Cathodic Protection Services	16 September 2020
49.	Site Survey Plan	Cardno	17 September 2019
50.	Site Plan	Fitzpatrick & Partners PL	27 November 2020
51.	Certificate of Design – Protection of the rail corridor condition B30-B35	ADCO PL	30 November 2020
52.	Historical Archaeologist CV	RPS	4 December 2020
53.	Email confirmation from Jemena	ADCO PL	3 November 2020
54.	Carpark Plans	PTC	2 December 2020
55.	Email close out – confirmation of applicable conditions	ADCO PL	11 January 2021
56.	Pre-Construction Compliance Report	ADCO PL	14 December 2020
57.	Remediation Action Plan	JK Environments	14 January 2021
58.	Evidence of submission of CEMP & Sub Management Plans to Planning Secretary	Department of Planning	14 January 2021
59.	Consultation with Council – CTMP	Liverpool City Council	13 January 2021
60.	Evidence of submission of CTPMP to Transport for NSW	Transport for NSW	12 January 2021
61.	Evidence of submission of Post Approval Document to Planning Secretary	Department of Planning	14 January 2021
62.	Construction Traffic Management Plan – Council Endorsement	Liverpool City Council	14 January 2021
63.	Email confirmation of the Archaeological Salvage	RPS Group	21 January 2021
<u>CRO-21003</u>			
64.	Construction Traffic Management Plan	PTC	21 January 2021
65.	Email consultation with TfNSW	TfNSW	18 January 2021
66.	CTMP Confirmation Statement	ADCO PL	21 January 2021
<u>CRO-21004</u>			
67.	Approval of SSD Condition B26 for the Archaeological Research Design and Excavation Methodology	Heritage NSW	29 January 2021
68.	Archaeological Research Design and Excavation Methodology	RPS	15 January 2021
<u>CRO-21017</u>			
69.	Architectural Design Certificate	Fitzpatrick & Partners PL	03 February 2021
70.	Architectural Specification	Fitzpatrick & Partners PL	27 November 2020
71.	External Wall Design Statement	Fitzpatrick & Partners PL	23 February 2021
72.	Architectural Design Certificate	Fitzpatrick & Partners PL	23 February 2021
73.	Structural Design Certificate	Taylor Thomson Whiting (NSW) PL	16 February 2021
74.	Structural Drawings	Taylor Thomson Whiting (NSW) PL	17 December 2020
75.	Mechanical Design Statement	Stantec	16 February 2021
76.	Hydraulic Design Statement	Warren Smith Consulting	19 February 2021
77.	FEBQ Consistency letter	Stantec	02 February 2021
78.	Fire Engineering Report Rev. 03	Stantec	02 February 2021
79.	Fire Engineering Brief Questionnaire	FRNSW	20 January 2021
80.	Landscape Design Statement	ADCO PL	14 December 2020
81.	Landscape Plans	Clouston Associates	20 November 2020
82.	Construction Traffic Management Plan	PTC Consultants	14 December 2020
83.	Carpark Assessment Plans	PTC Consultants	02 December 2020
84.	SSD Condition AN8 close out email	ADCO PL	01 February 2021
85.	SSD Condition B9 & B10 close out email	ADCO PL	01 February 2021



86.	Section J DTS Report No. 41059-1 Rev. 2	Stantec	15 February 2021
87.	SSD Condition A32 & A35 Planning Secretary Post Approval	Department of Planning	11 February 2021
88.	Aluminium & Stainless-Steel Fire Resistance Declaration	Tensile Design & Construct	25 March 2021
89.	Electrical Certificate of Design	Stantec	26 February 2021
90.	Fire Services Design Statement	Warren Smith Consulting Engineers	24 March 2021
91.	Fire Services Specification	Warren Smith & Partners	20 November 2020
92.	Confirmation from Fire Services Engineer relating to fire hydrant supports	Warren Smith & Partners	04 March 2021
93.	Fire Hose Reel and Fire Hydrant Coverage Plans	Warren Smith & Partners	25 September 2020
94.	Fire Services Plans	Warren Smith & Partners	02 December 2020
95.	Lift Compliance Statement	Schindler Lifts Australia PL	17 March 2021
96.	Planning Secretary Approval Staging Report	DPIE	18 February 2021
<b>CRO-22013</b>			
97.	Application Form	ADCO	16 December 2021
98.	Staging Report Approval – SSD Condition A9 close out	DOPIE	18 February 2021
99.	Staging Report Revision D	Wolf Peak	22 January 2021
100.	Evidence of Submission of Staging Report to DOPIE – SSD Condition A14 & A15 close out	Major Projects Planning Portal	-
101.	Demolition Certificate	Metropolitan Demolitions PL	01 February 2022
102.	Remediation Action Plan Ref. E32465PD2let	JK Environments	14 January 2021
103.	Design Statement – Construction Environmental Management Plan	ADCO	22 December 2021
104.	Construction Environmental Management Plan Ref: 3460 Version 10	ADCO	22 December 2021
105.	Construction Traffic Management Plan Issue. 06	PTC	28 January 2021
106.	Waste Management Plan No. V3	ADCO	20 September 2021
107.	Design Certificate - Civil		
108.	Archaeological Research Design and Excavation Methodology	Making Complex Easy	05 February 2021
109.	DOPIE Approval – Archaeological Research Design and Excavation Methodology – SSD Condition B25 & B26 close out	DOPIE	18 February 2021
110.	DOPIE commentary – Archaeological Research Design and Excavation Methodology – SSD Condition B26 close out Ref: DOC21/23767	DOPIE	29 January 2021
111.	Evidence of submission of CEMP & Sub Management Plans to Planning Secretary	Department of Planning	3 February 2022
112.	Design Statement – Construction Environmental Management Plan	ADCO	12 May 2022
113.	Liverpool Hospital and Academic Precinct, Construction Traffic Management Plan	PTC	8 April 2022
114.	Construction Noise and Vibration Management Plan	Acoustic Logic	27 April 2022



## EP&A AMENDMENT (FIRE SAFETY & BUILDING CERTIFICATION) REGULATION 2017

Documentation relied upon as required by the Environment Planning & Assessment Amendment (Fire Safety & Building Certification) Regulation 2017:

- + Proposed Alternative Solution Reports in respect of a fire safety requirement:

**TITLE OF REPORT:** Liverpool Health and Academic Precinct- Multi Storey Carpark  
Fire Engineering Report

**DATE OF REPORT:** 02 February 2021

**REFERENCE NO. & VERSION:** 41059, Issue 03

**NAME OF FIRE SAFETY ENGINEER:** Etienne Jordan

**ACCREDITATION NO.:** BPB3185

- + Plans and Specifications relating to Relevant Fire Safety Systems:

ITEM	DOCUMENTATION	PREPARED BY	DATE
1.	Drawing Number LHAP-FP-WSP-DRG-CP-000001 [05]	Warren Smith & Partners	2 December 2020
2.	Drawing Number LHAP-FP-WSP-DRG-CP-000002 [05]	Warren Smith & Partners	2 December 2020
3.	Drawing Number LHAP-FP-WSP-DRG-CP-020000 [05]	Warren Smith & Partners	2 December 2020
4.	Drawing Number LHAP-FP-WSP-DRG-CP-020100 [05]	Warren Smith & Partners	2 December 2020
5.	Drawing Number LHAP-FP-WSP-DRG-CP-020200 [05]	Warren Smith & Partners	2 December 2020
6.	Drawing Number LHAP-FP-WSP-DRG-CP-020300 [05]	Warren Smith & Partners	2 December 2020
7.	Drawing Number LHAP-FP-WSP-DRG-CP-020400 [05]	Warren Smith & Partners	2 December 2020
8.	Drawing Number LHAP-FP-WSP-DRG-CP-020500 [05]	Warren Smith & Partners	2 December 2020
9.	Drawing Number LHAP-FP-WSP-DRG-CP-020600 [05]	Warren Smith & Partners	2 December 2020
10.	Drawing Number LHAP-FP-WSP-DRG-CP-020700 [05]	Warren Smith & Partners	2 December 2020
11.	Drawing Number LHAP-FP-WSP-DRG-CP-100001 [05]	Warren Smith & Partners	2 December 2020
12.	Fire Services Specification Rev A	Warren Smith & Partners	20 November 2020

Pursuant to clause 136AA of the EP&A regulation 2000, Blackett Maguire + Goldsmith Pty Ltd (ABC4) is satisfied that the above plans and specifications correctly identifies both the performance requirements and the deemed-to-satisfy provisions of the Building Code of Australia.



## SCHEDULE 2

### CONDITIONS OF BCA CROWN CERTIFICATE

This Crown Certificate has been issued subject to the following conditions:

1. Item 9 of BCA Crown Requirement List is currently under review pending Aboriginal Artist Input, to be provided / completed to the satisfaction of BM+G prior to the façade works commencing.
2. All building works associated with the subject development are to be carried out in accordance with the requirements of the Blackett Maguire + Goldsmith BCA Assessment Report Revision 6 dated 27/01/2021.
3. No approval is given nor implied for the construction of works beyond the scope specifically approved by the Stage 2 Crown Certificate.
4. All building works associated with the subject development are to be carried out in accordance with the approved documentation listed above in Schedule 1.

Any departure from the documentation cannot be undertaken without the review and approval by Blackett Maguire + Goldsmith.

5. Where there is any conflict between the Design Documentation and the advice provided by Blackett Maguire + Goldsmith, the advice issued takes precedence unless approved by Blackett Maguire + Goldsmith.
6. Any changes to the Architectural Documentation that may affect compliance with the Building Code of Australia or the referenced Australian Standards are to be appropriately disclosed to Blackett Maguire + Goldsmith for review.
7. This Crown Certificate does not certify compliance with the conditions of Development Consent. The building works should not commence until the Crown is satisfied that the conditions of development consent that are a pre-requisite to commencement have been appropriately addressed where relevant.



### SCHEDULE 3

#### FIRE SAFETY SCHEDULE

*Issued under Clause 168 of the Environmental Planning & Assessment Regulation 2000*

<b>ADDRESS:</b>	Campbell Street and Goulburn Street, Liverpool NSW 2170
<b>OWNER</b>	Health Infrastructure
<b>BCA CROWN CERTIFICATE No.:</b>	CRO-22013

The following essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the standard of performance listed in the schedule, which, for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current fire safety schedule for the building.

#### SCHEDULE

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
Automatic Fire Detection & Alarm System	BCA Spec. E2.2a & AS 1670.1 – 2018	✓
Emergency Lighting	BCA Clause E4.2, E4.4 & AS 2293.1 – 2018	✓
Emergency Evacuation Plan	AS 3745 - 2010	✓
Exit Signs	BCA Clauses E4.5, E4.6 & E4.8; and AS 2293.1 – 2018	✓
Fire Dampers	BCA Clause C3.15, AS 1668.1 – 2015 & AS 1682.1 & 2 – 2015 and manufacturer's specification	✓
Fire Doors	BCA Clause C2.12, C2.13, C3.8, AS 1905.1 – 2015 and manufacturer's specification	✓
Fire Hose Reels	BCA Clause E1.4 & AS 2441 – 2005	✓
Fire Hydrant Systems	BCA Clause E1.3 & AS 2419.1 – 2005 & Fire Safety Engineering Report, prepared by Stantec, Report No.41059 Revision 3, dated 2 February 2021	✓
Fire Seals	BCA Clause C3.15, AS 1530.4 – 2014 & AS 4072.1 – 2005 and manufacturer's specification	✓
Lightweight Construction	BCA Clause C1.8 & AS 1530.4 – 2014 and manufacturer's specification	✓
Paths of Travel	EP&A Regulation Clause 186 & Fire Safety Engineering Report, prepared by Stantec, Report No.41059 Revision 3, dated 2 February 2021	✓
Portable Fire Extinguishers	BCA Clause E1.6 & AS 2444 – 2001	✓
Warning & Operational Signs	Clause 183 of the EP&A Regulation 2000, AS 1905.1 – 2015, BCA Clause D2.23, D3.6 & E3.3	✓





Statutory Fire Safety Measure	Design / Installation Standard	Proposed
<p>Fire engineered Alternative Solutions relating to:</p> <ol style="list-style-type: none"> <li>It is proposed to rationalise the protection of openings in external walls, comprising: <ul style="list-style-type: none"> <li>Northern Facade <ul style="list-style-type: none"> <li>+ &lt; 6 m from the far side of the road</li> <li>+ Protection of openings comprising more than 1/3 of the area of the façade</li> </ul> </li> <li>Southern Facade <ul style="list-style-type: none"> <li>+ &lt; 6 m from Brain Injury Unit and Pathology Building. This includes the part of the elevation which is up to 15 m above the top of the external wall of the adjacent buildings. 85m between alternative exits in general car parking areas</li> </ul> </li> </ul> </li> <li>Permit the following extended travel distances: <ul style="list-style-type: none"> <li>+ Extended travel distance to an exit: Up to 55 m to an exit on all stories in lieu of 40 m.</li> <li>+ Extended travel distance between alternative exits: Up to 105 m on all stories in lieu of 60 m.</li> <li>+ Extended travel distance to a point of choice: Levels 2 – 7: Up to 35 m to a point of choice in lieu of 20 m.</li> </ul> </li> <li>Permit the distance from the discharge of the eastern stairway to open space to be 21m in lieu of 20m.</li> <li>It is proposed to allow the following departures from the DtS provisions: <ul style="list-style-type: none"> <li>+ The use of AS 2419.1-2017 hydrant standard</li> <li>+ The booster assembly not being within sight of the main entry</li> <li>+ Permit a fire hydrant on a mid-landing to serve to different storeys</li> </ul> </li> <li>The awning structure attached to the multi-storey carpark covering the footpath on the ground floor is proposed to be constructed using combustible timber structures and a combustible polycarbonate roof that do not achieve an FRL as a roof.</li> </ol>	<p>Fire Safety Engineering Report, prepared by Stantec, Report No.41059 Revision 3, dated 2 February 2021</p>	<p>✓</p>



## **SCHEDULE 4**

### INSPECTION REQUIREMENTS

#### **REQUIRED INSPECTIONS**

Please ensure that our office is contacted to undertake the following inspections throughout the construction program:

- + Completion of fire rated walls prior to installation of ceiling.
- + Installation of concealed essential fire safety measures prior to covering.
- + Preliminary Final Inspection and onsite testing of all active fire safety systems. Prior to completion of building works.
- + After the building works has been completed.