



Accessibility Concept SSD Review

Project Title: **Hammond Care Seniors Living
Greenwich Hospital Development, River Road
Greenwich.**

Job Number: 9144

Date: 13 September 2019

Prepared For: Hammond Care
c/o TSA Management

Report Version: **ADR_9144_v1.4**

ACCESSIBILITY • ESSENTIAL FIRE SAFETY SERVICES

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Report Status	Revision	Date	Details
Draft	1.0	22 July 2019	For review and Comment
Revised Draft	1.1	23 July 2019	Amended with TSA comments.
Revised Draft	1.2	13 August 2019	Amended with TSA comments.
Revised Draft	1.3	26 August 2019	Amended survey plan referenced.
Final	1.4	13 September 2019	

ACCESSIBILITY DESIGN REVIEW

PROJECT: Hammond Care, Greenwich Hospital

Location: River Road Greenwich

1. INTRODUCTION

The report considers the provisions of the State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 – SEPP. The SEPP is intended to promote a balance between the need for greater housing choice and the need to safeguard the character of residential neighbourhoods.

The development has been reviewed to ensure that siting, paths of travel and external linkages comply with relevant statutory guidelines.

1.1 Project Information & Classifications

The subject application seeks approval for the development of Greenwich Hospital to comprise a mixed-use precinct containing health, aged care and seniors living services. The proposed development of the site will include staged demolition of the majority of existing structures on the site and construction of new buildings, including two buildings comprising SEPP Seniors apartments.

It is understood the Building Code of Australia 2019 building classification(s) apply to the subject development.

1.2 Purpose of the Report

Hammond Care C/- TSA Management engaged the services of ABE Consulting as Accessibility Consultants for this project to undertake an assessment of the proposed design documentation in relation to the accessibility related requirements as identified in Part 1.3 of this report for submission to Department of Planning as part of the Concept SSD documentation.

1.3 Report Scope

The assessment is undertaken for the purpose of a Concept SSD to be submitted to the Department of Planning.

This report is written in response to the concept drawings prepared by Bickerton Masters Architecture, project 1213 and survey drawings as prepared by LTS Lockley and specifically addresses the survey plans showing the relevant gradients as they relate to the accessibility for people with a disability from the entrance to the SEPP Seniors accommodation to the nearest bus stops on the main road.

A full listing of drawings and documentation pertinent to this report are attached in **Appendix 3**

This report provides an Accessibility Design Review of the relevant project architectural documentation in the context of the following –

- State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004.
- Part D3, Clause F2.4 and Clause E3.6 'deemed-to-satisfy' (DtS) requirements of the Building Code of Australia 2016 (BCA);
- The Disability (Access to Premises - Buildings) Standards 2010;
- Australian Standards AS1428.1-2009 - Design for Access and Mobility - Part 1: General requirements for access - New building work.

1.4 Limitations of the Report

The Disability Discrimination Act (DDA - 1992) is a Federal Government legislation enacted in 1993 that seeks to ensure all new building infrastructure, refurbishments, services and transport projects provide functional, equitable and independent accessibility. The DDA is a complaints based legislation, which is administered by the Australian Human Rights Commission (AHRC). For any built environment the key requirement of the DDA is to ensure functionality, equity and independence of movement by people with disabilities, their companions, family and carer givers.

A key component of compliance to the DDA is the use of the Disability (Access to Premises - Buildings) Standards 2010, Part D3, Clause F2.4 and Clause E3.6 of the Building Code of Australia 2016 (BCA) and the relevant referenced standards primarily being Australian Standards Suite AS1428 and Australian Standards AS2890.6 – Off-street parking for people with disabilities. The AS 1428 series details technical requirements related to design for access and mobility.

The Building Code of Australia has adopted key accessibility and DDA legislation into the 2011 BCA. In particular adherence to the Access to Premises Standard (2010); AS1428.1 2009; AS1428.4.1 2009 and AS2890.6 2009 has become mandatory. However, compliance with these elements does not necessarily result in compliance with the Disability Discrimination Act if the elements of equality, independence and functionality remain compromised within an environment.

This report does not include or assess the following –

- The provisions of the BCA not directly referenced in Part 1.3 of this report;
- Standards not directly referenced in this report; including AS4299-1995 (Adaptable Housing) unless otherwise explicitly specified in Part 1.3 of this report;
- Disability Discrimination Act 1992 (as explored earlier);
- Federal / State / Local planning policies and/or guidelines unless otherwise explicitly specified in Part 1.3 of this report;
- Work Health & Safety considerations or Work Cover Authority requirements;
- This report does not provide any performance based assessments (Performance Solutions) of the BCA;
- This report does not provide any exemptions from the requirements of the BCA.
- This report is not a Part 4A compliance certificate under the Environmental Planning & Assessment Act 1979 or Regulation 2000;
- Review or specification of slip-resistance classification(s) for floor surface finishes / materials. We recommend surface finish advice be sought from an independent specialist slip safety consultant.

2. ACCESSIBILITY DESIGN REVIEW

1. Car Parking and Transport

Carparking is proposed in a new level basement car parking area accessed via an existing entry road off River Road. Accessible carparking bays within the development will be located close to passenger lifts. Accessible parking bays will require to comply with AS 2890.6 – 2009. The proposed site is also located within walking distance to two bus stops (each provided with an accessible path) to the bus stops with the bus services providing access to Lane Cove shops and King Street Wharf.

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
SL.01	<ul style="list-style-type: none"> Accessible carparking bays to be shown. 	<ul style="list-style-type: none"> Accessible parking will be required as per clause 5 of Schedule 3 of SEPP Seniors 2004, BCA D3.5 and AS/NZS 2890.6:2009.. Further review of accessible carparking will occur at detail design stage. 	Compliance capability exists, further review at detail design stage
	<ul style="list-style-type: none"> Public Transport 	<ul style="list-style-type: none"> Bus route 261 operates 6 days per week in both directions along River Road. The bus stops for route 261 are located approximately 15m and 28m respectively walking distance north of the site on River Road from the entry door to the northern apartment building lift lobby. This meets the requirements of SEPP (Housing for Seniors or People with a disability) 2004, Chapter 3 Part 2 clause 26(2)(b) 	Compliance capability exists for distance to bus stops from proposed SEPP Seniors development and to services available at destinations of buses.

2. External Walkways, Kerbs and Pedestrian Crossings

An accessible footpath is to be provided from the street boundary and accessible parking bays into the building. Access for pedestrians from the street boundary will be provided directly off River Road and within 10m of the bus stop/pedestrian road crossing. Access from the lower ground floor carparking area will be via passenger lifts to all levels of the northern apartment building and to the podium level which, in turn, will give access to the southern apartment building.

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
IN.10 Rev P3	<ul style="list-style-type: none"> Walkway clearance spaces 	<ul style="list-style-type: none"> External fixtures (e.g. seating and rubbish bins) to be set back 500mm from the walkway. 	Compliance capability exists; Further

		<ul style="list-style-type: none"> Walkway to be a minimum of 1000mm clear width (1200mm preferred). 	review required at detail design stage.
P112	<ul style="list-style-type: none"> Walkway surfaces 	<ul style="list-style-type: none"> Slip resistant surfaces will be required on all walkways. Ground surfaces abutting walkways to follow grade of walkway for 600mm or provide 450mm kerb or handrail/kerb rail combination. Drainage grates on the external path of travel shall have openings (circular or slotted) that do not exceed 13mm in width and be oriented so long dimension is transfer to direction of travel. Changes in surface shall have abutment vertical rises of 3mm or less; or 5mm or less where rounded edges are provided. 	Compliance capability exists; Further review required at detail design stage.
P112	<ul style="list-style-type: none"> Kerb ramps 	<ul style="list-style-type: none"> Ensure that any proposed kerb ramps comply with the provisions of AS 1428.1-2009. Further assessment and review will be carried out at detail design phase. 	Compliance capability exists; Further review required at detail design stage.

3. Entrances

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
	<ul style="list-style-type: none"> Entries into the Buildings to be located off River Road entry driveway. 	<ul style="list-style-type: none"> Path of travel to entry from the footpath/ boundary to be provided via a level & paved pathway. Further review at detail design for door hardware and visual indicators. 	Compliance capability exists; Further review required at detail design stage.

4. Vertical Travel: Lifts, Stairs and Ramps

Any lifts proposed within the development are required to achieve compliance with BCA E3.6. The lifts to be located for anyone to gain direct access to all required levels. Details of lift dimensions and features will be reviewed at detail design stage.

Tactile ground surface indicators are not highlighted at this stage of the design, however they will be provided at ramps with gradients in excess of 1 in 20, all stairs and appropriate transport hazards.

Note: A residential aged care building need not be provided with TGSIs to stairs and ramps if complying with BCA D3.8 (c).

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
All	<ul style="list-style-type: none"> Stairways and ramps 	<ul style="list-style-type: none"> Handrails to be provided on both sides of stairs and ramps including tactile ground surface indicators, (except within fire isolated stairways) and luminance contrast/non-slip nosings. To be reviewed at detail design stage Fire stairs are to be installed with non-slip/luminance contrast nosings. All ramps are to achieve a maximum gradient of 1:14. Indicate the gradients of all ramps and walkways proposed. Where ramps indicate a change in direction less than 90° the landing shall not be less than 1500mm. 	Compliance capability exists; Further review required at detail design stage.
All	<ul style="list-style-type: none"> Landings in front of Lifts Lift car sizes 	<ul style="list-style-type: none"> Ensure circulation space in front of lifts are provided with 1540mm x 2070mm. Further review to be carried out at detail design phase for fixtures. Lift dimensions to be 1400mm x 1600mm minimum. Lift doorway opening clearance to be 900mm 	Compliance capability exists; Further review required at detail design stage.

5. Information, Reception and Enquiries

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
	<ul style="list-style-type: none"> Reception counters 	<ul style="list-style-type: none"> To be reviewed at detail design stage 	Compliance capability exists; Further review required at detail design stage.

6. Internal Walkways and Surfaces

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
All	<ul style="list-style-type: none"> Pathways 	<ul style="list-style-type: none"> Ensure a minimum of 1000mm is provided between any obstructions and objects. Further review to be carried out at detailed design 	Compliance capability exists; Further review required at detail design stage.
All	<ul style="list-style-type: none"> Internal corridor widths 	<ul style="list-style-type: none"> Ensure corridor widths are provided with a min 1000mm wide, turning space and passing space within corridors. Currently internal corridor widths achieve approx. 2400mm 	Compliance capability exists; Further review required at detail design stage.
All	<ul style="list-style-type: none"> Surfaces 	<ul style="list-style-type: none"> Ensure all surfaces are comply with slip resistance ratings 	Compliance capability exists; Further review required at detail design stage.

7. Internal Doorways

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
All	<ul style="list-style-type: none"> Limited detail at this stage of the design, ensure all doorways achieve a minimum of 850mm clear opening width and associated latch-side clearance. 	<ul style="list-style-type: none"> Indicate which units are to be accessible. The accessible SOU's to provide compliant doorways in accordance with AS1428.1-2009 To be further reviewed as design progresses 	Compliance capability exists; Further review required at detail design stage.

8. Sanitary Facilities

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
All	<ul style="list-style-type: none"> Any proposed amenities are required to provide an accessible unisex sanitary facility as well as an ambulant sanitary facility. 	<ul style="list-style-type: none"> Proposed sanitary facilities within common areas are to be provided with Accessible facilities in accordance with AS1428.1-2009, an alternative solution report may be provided where this cannot be achieved. Further review of fixtures and fittings will be provided at detail design phase. 	Compliance capability exists; Further review required at detail design stage.

All	<ul style="list-style-type: none"> Ambulant sanitary compartment are required in each common area gender toilet 	<ul style="list-style-type: none"> Further review of fixtures and fittings will be provided at detail design phase. 	Compliance capability exists; Further review required at detail design stage.
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Key sanitary facility recommendations

- Accessible sanitary facilities to be in same location as gender facilities and located on all levels of a multi-level building.
- Room dimension with WC and basin: 1900mm x 2630mm or 2330mm x 2200mm.
- Room dimension with WC, basin, shower: 2300mm x 2690mm.
- Provide AS1428 series compliant fixtures inclusive of shelf, clothes hooks, and full length mirror.

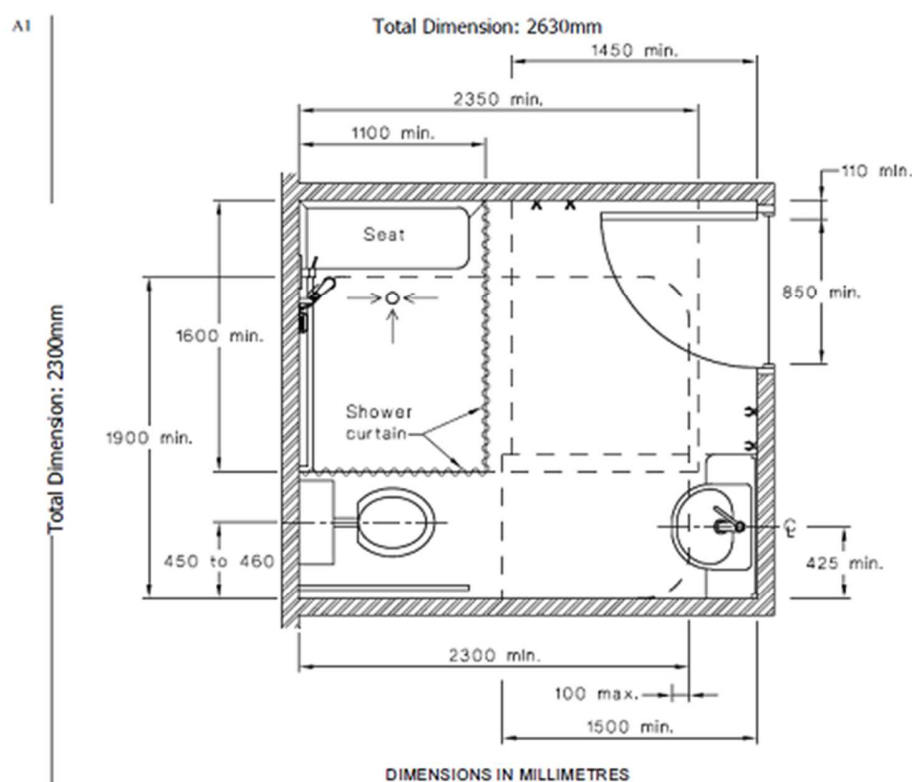


FIGURE 50 SANITARY COMPARTMENT SHOWING OVERLAP OF WASHBASIN FIXTURE INTO SHOWER CIRCULATION SPACE

9. Signage

No specific detail on signage has been provided at this stage of the design. This will be reviewed at detail design stage.

<i>Key Signage design recommendations</i> <ul style="list-style-type: none">• Accessible way finding should highlight the pathway from entrance to reception to lifts/stairs, amenities and to key components of the facility.• Ensure accessible way finding signage is:<ul style="list-style-type: none">○ Located at appropriate viewing heights○ Perpendicular to the path of travel or beside identifiable features (e.g. door faces)○ Of suitable colour contrast○ Of compliant notation inclusive of use of the international symbol of access.• Signage to accessible sanitary facilities requires identification with the international symbol of access, raised tactile and Braille signage and letters RH or LH to indicate side of transfer to the WC pan.• Ensure parenting symbols are used to identify baby change locations.	
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10. Hearing Augmentation

DWG No	Comment/Issue(s)	Recommendation(s)	Compliance Achieved
P112	<ul style="list-style-type: none">• Hearing augmentation may be required to the cinema, chapel, hall and multi-purpose areas	<ul style="list-style-type: none">• To be reviewed at detail design stage	Noted
<i>Key Hearing augmentation recommendations</i> <ul style="list-style-type: none">• Hearing Augmentation systems must be provided where inbuilt amplification is provided in rooms (e.g. auditoriums, conference rooms or meeting rooms)• Hearing Augmentation systems must be provided where inbuilt amplification is provided to ticket offices, tellers booths, reception areas or the like where the public is screened from the service provider.• Hearing augmentation systems can be permanent or portable. The nature of the built environment will dictate the desired outcome.			

3. ACCESSIBILITY COMPLIANCE STATEMENT

ABE Consulting have completed a review of provided documentation to evaluate the compliance and functionality of the development. This is inclusive of the SEPP (Housing for seniors or people with a disability) 2004, 2010 Access to Premises Standard and pertinent Australian Standards, inclusive of the AS1428 series.

Following this review and recommendations adopted, ABE Consulting are able to confirm that at the Concept SSD stage of design, the development can provide appropriate accessibility requirements for the relevant scope of works for the project and will satisfy Clause 26 of the SEPP (Housing for seniors or people with a disability) 2004.

In the next phase of the design process it is anticipated that as additional detail is provided - particularly dimensions, that the accessibility of this development can be further detailed.

4. REVIEW PROVIDED BY

Prepared by:



Peter Bedford

Senior Accessibility Consultant

Associate Member - Association of Consultants in Access Australia # 523

Reviewed by:



Abe Strbik

Director

Member – Association of Consultants in Access Australia #405

APPENDIX 1: SEPP

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004

Schedule 3 - Standards concerning accessibility and use-ability for hostels and self-contained dwellings		Comment
Provisions	Comment	Complies
Chapter 3, Part 2 – Site-related requirements		
Clause 26 Location and access to facilities		
<p>“(1) A consent authority must not consent to a development application made pursuant to this Chapter unless the consent authority is satisfied, by written evidence, that residents of the proposed development will have access that complies with subclause (2) to:</p> <p>(a) shops, bank service providers and other retail and commercial services that residents may reasonably require, and</p> <p>(b) community services and recreation facilities, and</p> <p>(c) the practice of a general medical practitioner”.</p>	<p>The development relies upon provisions of clause 26(2)(b) regarding access to a public transport service that can convey residents to an appropriate range of services and shops.</p>	<p>Yes. Bus route 261 operates Monday to Friday.</p>
<p>(2) Access complies with this clause if:</p> <p>“(a) the facilities and services referred to in subclause (1) are located at a distance of not more than 400 metres from the site of the proposed development that is a distance accessible by means of a suitable access pathway and the overall average gradient for the pathway is no more than 1:14, although the following gradients along the pathway are also acceptable:</p>	<p>In relation to the distance of public transport - the apartment building entrance is located approx. 15m and 28m walking distance (via River Road) to public bus service Route 261 which is located on both sides of River Road. There are a further two bus stops close to the junction of Vincents Road but these are not considered to be the nearest facilities to the site.</p> <p>The bus route runs from Chatswood railway station via Lane Cove Interchange to King Street Wharf in Sydney. The bus route operates 6 days per week. Weekdays it operates approximately every 30 minutes between 7.46am to 10pm</p> <p>The bus route provides regular bus services to meet the minimum 1 service per day. Wheelchair accessible services are also provided at the majority of times.</p>	

- (i) a gradient of no more than 1:12 for slopes for a maximum of 15 metres at a time,
 - (ii) a gradient of no more than 1:10 for a maximum length of 5 metres at a time,
 - (iii) a gradient of no more than 1:8 for distances of no more than 1.5 metres at a time, or
- (b) in the case of a proposed development on land in a local government area that is within the Sydney Statistical Division—there is a transport service available to the residents who will occupy the proposed development:
- (i) that is located at a distance of not more than 400 metres from the site of the proposed development and the distance is accessible by means of a suitable access pathway, and
 - (ii) that will take those residents to a place that is located at a distance of not more than 400 metres from the facilities and services referred to in subclause (1), and
 - (iii) that is available both to and from the proposed development during daylight hours at least once each day between 12pm and 6pm each day from Monday to Friday (both days inclusive), and the gradient along the pathway from the site to the public transport services (and from the transport services to the facilities and services referred to in subclause (1)) complies with subclause (3).

“(3) For the purposes of subclause (2) (b) and (c), the overall average gradient along a pathway from the site of the proposed development to the public transport services (and from the transport services to the facilities and services referred to in subclause (1)) is to be no more than 1:14, although the following gradients along the pathway are also acceptable:

The bus service provides access to services required by clause 26 (1) at Chatswood, Lane Cove and King Street Wharf, including Shops, Medical and doctors, banking, recreation and other retail and commercial services that residents may reasonably require which complies with clause 26(2)(b).

A site survey carried out by LTS Lockley, indicates that the footpath from the site to the bus stop on the south side of River Road is provided with an average gradient of 1:38.9. Our own measurements concurred with aforementioned and although there are parts of this path which vary on the steeper side to this average the length of such variations is within the tolerances permitted under SEPP clause 26(2)(a), refer **Photo 1** below.



Photo 1 – view along south side of River Road towards bus stop.

The survey indicates that the footpath from the site to the bus stop on the north side of River Road is provided with an average gradient of 1 in 33; our own measurements taken on site concurred with this also, refer **Photo 2** below.


- (i) a gradient of no more than 1:12 for slopes for a maximum of 15 metres at a time,
- (ii) a gradient of no more than 1:10 for a maximum length of 5 metres at a time,
- (iii) a gradient of no more than 1:8 for distances of no more than 1.5 metres at a time”.



Photo 2 – view along north side of River Road away from bus stop.

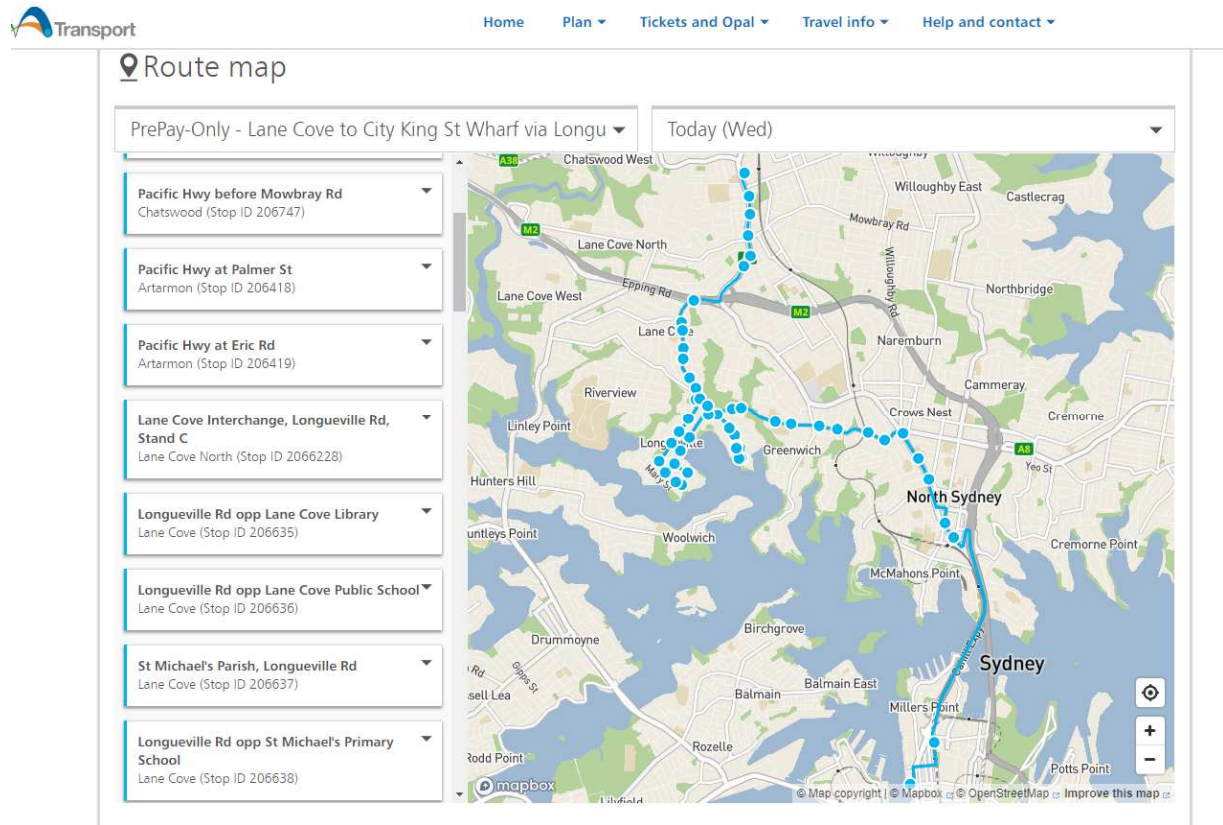
A site inspection revealed that footpath provides a means of suitable access pathway from the subject site to the bus stop; however, minor ground surface abutments on the south side pathway create potential trip hazards and will require rectification in order to meet compliance for access, refer **Photo 3** below.

Refer to the table prepared by ABE and Survey plans prepared by LTS Lockley.

	 <p>Photo 3 – close-up of ground surface abutment showing minor unevenness.</p>	
<p>38 Accessibility</p> <p>The proposed development should:</p> <ul style="list-style-type: none"> (a) have obvious and safe pedestrian links from the site that provide access to public transport services or local facilities, and (b) provide attractive, yet safe, environments for pedestrians and motorists with convenient access and parking for residents and visitors. 	<p>Survey plans provided indicate and our own site inspection can confirm that footpaths from the site to the bus stops are provided which meet clause 26(2)(a) and clause 38(a). A site inspection revealed that footpath provides a means of suitable access pathway from the subject site to the bus stop.</p>	<p>Complies</p>

APPENDIX 2: Transport Information

Information from Transport NSW



Screen shot of Transport NSW bus route 261 map.

Valid: 08 July 2019 - 20 July 2019

Creation date: 17 July 2019

NOTE: Information is correct on date of download.

Monday to Friday									
Service Information		A							
King Street Wharf, Erskine St, Sydney	-	07:22	07:53	08:22	09:09	10:11	11:11	12:11	13:11
Wynyard Station	-	07:28	07:59	08:30	09:17	10:18	11:18	12:18	13:18
North Sydney Station	-	07:33	08:06	08:37	09:22	10:22	11:22	12:22	13:22
Shirley St at Pacific Hwy, Crows Nest	-	07:41	08:14	08:45	09:28	10:28	11:28	12:29	13:29
Point Rd at Northwood Rd, Northwood	07:00	07:50	08:22	08:53	09:35	10:35	11:35	12:36	13:36
Kingsford Smith Oval, Kenneth St, Longueville	07:06	07:56	08:28	08:59	09:41	10:41	11:41	12:42	13:42
Central Park, Kenneth St, Longueville	07:09	07:59	08:31	09:02	09:44	10:44	11:44	12:45	13:45
Lane Cove Library, Longueville Rd, Lane Cove	07:13	08:04	08:36	09:06	09:48	10:48	11:48	12:49	13:49
Lane Cove Interchange, Lane Cove North	-	08:08	-	-	-	-	-	-	-
Chatswood Station	-	08:17	-	-	-	-	-	-	-
Longueville Rd opp Lane Cove Library, Lane Cove	07:15	-	08:39	09:08	09:50	10:50	11:50	12:51	13:51
Monday to Friday									
King Street Wharf, Erskine St, Sydney	14:11	15:11	15:41	16:11	16:41	17:01	17:23	17:45	18:03
Wynyard Station	14:18	15:18	15:48	16:18	16:48	17:11	17:33	17:55	18:11
North Sydney Station	14:22	15:23	15:53	16:23	16:53	17:17	17:39	18:01	18:17
Shirley St at Pacific Hwy, Crows Nest	14:29	15:30	16:00	16:30	17:00	17:24	17:46	18:08	18:24
Point Rd at Northwood Rd, Northwood	14:36	15:39	16:09	16:39	17:09	17:33	17:55	18:17	18:33
Kingsford Smith Oval, Kenneth St, Longueville	14:42	15:45	16:15	16:45	17:15	17:39	18:01	18:23	18:39
Central Park, Kenneth St, Longueville	14:45	15:48	16:18	16:48	17:18	17:42	18:04	18:26	18:42
Lane Cove Library, Longueville Rd, Lane Cove	14:49	15:52	16:22	16:52	17:22	17:46	18:08	18:30	18:46
Longueville Rd opp Lane Cove Library, Lane Cove	14:51	15:54	16:24	16:54	17:24	17:48	18:10	18:32	18:48
Monday to Friday									
King Street Wharf, Erskine St, Sydney	18:18	18:38	19:08	19:41	20:41	21:41			
Wynyard Station	18:26	18:46	19:14	19:47	20:47	21:47			
North Sydney Station	18:32	18:51	19:18	19:51	20:51	21:51			
Shirley St at Pacific Hwy, Crows Nest	18:39	18:58	19:25	19:58	20:55	21:55			
Point Rd at Northwood Rd, Northwood	18:48	19:05	19:32	20:05	21:02	22:02			
Kingsford Smith Oval, Kenneth St, Longueville	18:54	19:11	19:38	20:10	21:07	22:07			
Central Park, Kenneth St, Longueville	18:57	19:13	19:40	20:12	21:09	22:09			
Lane Cove Library, Longueville Rd, Lane Cove	19:01	19:17	19:44	20:15	21:12	22:12			
Longueville Rd opp Lane Cove Library, Lane Cove	19:03	19:19	19:46	20:17	21:14	22:14			
Saturday									
King Street Wharf, Erskine St, Sydney	08:24	09:16	10:16	11:16	12:16	13:16	14:16	15:16	16:16
Wynyard Station	08:29	09:21	10:21	11:23	12:23	13:23	14:23	15:22	16:22
North Sydney Station	08:34	09:26	10:26	11:28	12:28	13:28	14:28	15:27	16:27
Shirley St at Pacific Hwy, Crows Nest	08:38	09:30	10:31	11:33	12:33	13:33	14:33	15:32	16:32
Point Rd at Northwood Rd, Northwood	08:45	09:37	10:38	11:40	12:40	13:40	14:40	15:39	16:39
Kingsford Smith Oval, Kenneth St, Longueville	08:50	09:42	10:43	11:45	12:45	13:45	14:45	15:44	16:44
Central Park, Kenneth St, Longueville	08:54	09:46	10:47	11:49	12:49	13:49	14:49	15:48	16:48
Lane Cove Library, Longueville Rd, Lane Cove	08:56	09:48	10:49	11:51	12:51	13:51	14:51	15:50	16:50
Longueville Rd opp Lane Cove Library, Lane Cove	08:58	09:50	10:51	11:53	12:53	13:53	14:53	15:52	16:52
Saturday									
King Street Wharf, Erskine St, Sydney	17:16	18:16							
Wynyard Station	17:22	18:21							
North Sydney Station	17:27	18:26							
Shirley St at Pacific Hwy, Crows Nest	17:32	18:30							
Point Rd at Northwood Rd, Northwood	17:39	18:37							
Kingsford Smith Oval, Kenneth St, Longueville	17:44	18:42							
Central Park, Kenneth St, Longueville	17:48	18:46							
Lane Cove Library, Longueville Rd, Lane Cove	17:50	18:48							
Longueville Rd opp Lane Cove Library, Lane Cove	17:52	18:50							

Screen shot of Transport NSW bus timetable

Monday to Friday									
Longueville Rd opp Lane Cove Library, Lane Cove	06:14	06:34	06:54	07:14	07:34	07:54	08:14	08:49	09:22
Point Rd at Northwood Rd, Northwood	06:19	06:39	06:59	07:19	07:39	07:59	08:19	08:54	09:27
Kingsford Smith Oval, Kenneth St, Longueville	06:24	06:44	07:05	07:25	07:45	08:05	08:25	09:00	09:33
Central Park, Kenneth St, Longueville	06:26	06:46	07:08	07:28	07:48	08:08	08:28	09:02	09:35
Greenwich Public School, River Rd, Greenwich	06:29	06:49	07:11	07:32	07:52	08:12	08:32	09:05	09:38
River Rd at Shirley Rd, Wollstonecraft	06:33	06:53	07:15	07:37	07:58	08:18	08:38	09:08	09:41
Miller St at Pacific Hwy, North Sydney	06:39	06:59	07:22	07:49	08:10	08:30	08:50	09:15	09:48
Lang Park, York St, Sydney	06:46	07:07	07:30	07:57	08:20	08:44	09:02	09:23	09:56
King Street Wharf, Cuthbert St, Sydney	06:51	07:12	07:35	08:04	08:27	08:53	09:11	09:32	10:02
Monday to Friday									
Service Information								A	
Chatswood Station	-	-	-	-	-	-	-	15:39	-
Lane Cove Interchange, Lane Cove North	-	-	-	-	-	-	-	15:49	-
Longueville Rd opp Lane Cove Library, Lane Cove	10:22	11:22	12:22	13:22	14:22	14:51	15:21	15:51	16:20
Point Rd at Northwood Rd, Northwood	10:27	11:27	12:27	13:27	14:27	14:56	15:26	15:56	16:25
Kingsford Smith Oval, Kenneth St, Longueville	10:33	11:33	12:33	13:32	14:32	15:01	15:31	16:01	16:30
Central Park, Kenneth St, Longueville	10:35	11:35	12:35	13:34	14:34	15:03	15:33	16:03	16:32
Greenwich Public School, River Rd, Greenwich	10:38	11:38	12:38	13:37	14:37	15:07	15:36	16:06	16:35
River Rd at Shirley Rd, Wollstonecraft	10:41	11:41	12:41	13:40	14:40	15:11	15:39	16:09	16:38
Miller St at Pacific Hwy, North Sydney	10:48	11:48	12:48	13:47	14:47	15:19	15:47	16:17	16:46
Lang Park, York St, Sydney	10:56	11:56	12:56	13:55	14:55	15:27	15:55	16:25	16:54
King Street Wharf, Cuthbert St, Sydney	11:02	12:02	13:02	14:00	15:00	-	16:00	16:30	16:59
King Street Wharf, King St, Sydney	-	-	-	-	-	15:32	-	-	-
Monday to Friday									
Longueville Rd opp Lane Cove Library, Lane Cove	16:50	17:22	17:42	18:12	18:42	19:22	20:22		
Point Rd at Northwood Rd, Northwood	16:55	17:27	17:47	18:17	18:47	19:27	20:27		
Kingsford Smith Oval, Kenneth St, Longueville	17:00	17:32	17:52	18:21	18:51	19:31	20:31		
Central Park, Kenneth St, Longueville	17:02	17:34	17:54	18:23	18:53	19:33	20:33		
Greenwich Public School, River Rd, Greenwich	17:05	17:37	17:57	18:26	18:55	19:35	20:35		
River Rd at Shirley Rd, Wollstonecraft	17:09	17:41	18:01	18:30	18:58	19:38	20:38		
Miller St at Pacific Hwy, North Sydney	17:18	17:50	18:10	18:37	19:04	19:44	20:43		
Lang Park, York St, Sydney	17:28	18:00	18:20	18:45	19:12	19:52	20:50		
King Street Wharf, Cuthbert St, Sydney	17:36	18:08	18:28	18:53	19:18	19:57	20:54		
Saturday									
Longueville Rd opp Lane Cove Library, Lane Cove	07:39	08:29	09:29	10:27	11:27	12:27	13:28	14:28	15:28
Point Rd at Northwood Rd, Northwood	07:43	08:34	09:34	10:32	11:32	12:32	13:33	14:33	15:33
Kingsford Smith Oval, Kenneth St, Longueville	07:47	08:39	09:39	10:37	11:37	12:37	13:38	14:38	15:38
Central Park, Kenneth St, Longueville	07:51	08:43	09:43	10:41	11:41	12:41	13:42	14:42	15:42
Greenwich Public School, River Rd, Greenwich	07:54	08:46	09:46	10:44	11:44	12:44	13:45	14:45	15:45
River Rd at Shirley Rd, Wollstonecraft	07:58	08:50	09:50	10:48	11:48	12:48	13:49	14:49	15:49
Miller St at Pacific Hwy, North Sydney	08:04	08:56	09:56	10:54	11:54	12:54	13:54	14:54	15:54
Lang Park, York St, Sydney	08:11	09:03	10:03	11:01	12:02	13:02	14:02	15:02	16:02
King Street Wharf, Cuthbert St, Sydney	08:14	09:06	10:06	11:05	12:06	13:06	14:06	15:05	16:05
Saturday									
Longueville Rd opp Lane Cove Library, Lane Cove	16:28	17:28							
Point Rd at Northwood Rd, Northwood	16:33	17:33							
Kingsford Smith Oval, Kenneth St, Longueville	16:38	17:38							
Central Park, Kenneth St, Longueville	16:42	17:42							
Greenwich Public School, River Rd, Greenwich	16:45	17:45							
River Rd at Shirley Rd, Wollstonecraft	16:49	17:49							
Miller St at Pacific Hwy, North Sydney	16:54	17:54							
Lang Park, York St, Sydney	17:02	18:02							
King Street Wharf, Cuthbert St, Sydney	17:05	18:05							

Screen shot of Transport NSW bus timetable

APPENDIX 3: Associated Documents

CORRESPONDENCE SCOPE:

Specific Drawings and Documentation associated with this document are:

i. Architectural Drawings:

Architectural design documentation prepared by Bickerton Masters, Project No. 1213 as follows:

Dwg#	Title	Date – Issue
S.02	SITE PLAN - OVERALL	30.08.19 - 6
S.50	OVERALL FLOOR PLAN – SITE LEVEL 1	30.08.19 – 6

ii. Land Surveyor Plans:

Document	Prepared by	Date
Plan of Detail 32677 008DT sheet 1.	LTS Lockley	23.08.2019 – Rev C
Plan of Detail 32677 008DT sheet 2.	LTS Lockley	23.08.2019 – Rev C
Plan of Detail 32677 008DT sheet 3.	LTS Lockley	23.08.2019 – Rev C