

ACCESS REPORT
DEVELOPMENT APPLICATION

45 LANTANA AVENUE
WHEELER HEIGHTS

HOUSING FOR SENIORS OR
PEOPLE WITH A DISABILITY

Prepared by Mark Relf

21ST December 2020

Accessibility Report for Development Application 45 LANTANA AVENUE, WHEELER HEIGHTS

Development Overview

The following report has been prepared on behalf the Applicant to review the “accessibility” of a development application to develop a site at 45 Lantana Avenue, Wheeler Heights to provide new seniors housing that consists of eight (8) self-care dwellings and associated communal facilities.

The development proposes the following building elements.

- **Dwelling Mix** - The development proposes 8 X 3 bedroom single level apartments with basement parking.
- **Communal Amenities** - Ground level pedestrian accessways, lifts, waste storage and visitor parking.
- **Parking** – The plans propose sixteen (16) resident parking spaces and one (1) visitor space.

Assessment Criteria

The assessment has considered the technical design standards of the State Environment Planning Policy: Housing for Seniors or People with a Disability (hereinafter *Housing for Seniors Policy*) and the relevant provisions of the Australian Standards. In particular, this report considers whether the proposed development will provide appropriate housing accessibility and adaptability in accordance with:

- (a) Housing for Seniors Policy, Clauses 26 and 38(a) concerning access to shops, services and public transport.
- (b) Housing for Seniors Policy, Schedule 3, Clauses 2-21 and 38(a)(b) concerning the self-contained dwellings and common amenities and clause 50(f) and (h).
- (c) Table D3.1 of the Building Code of Australia (2019) and related clauses D2.14, D3.2, D3.3, D3.8, E3.6 pertaining to the common areas of the development.
- (d) Relevant aspects Australian Standard AS1428.1 (2009) – Design for Access and Mobility, AS4299 (1995) – Adaptable Housing AS2890.6 (2009) – Off Street Parking for People with Disabilities as referenced by Schedule 3 and Clause 3(1) of the Housing for Seniors Policy.
- (e) Warringah Development Control Plan

DA Documentation - The appraised documents and plans relied upon for this report include: **Issue DA** architectural plans prepared by Gartner Trovato Architects.

Access Assessment

Section 1 - Access to Public Transport and Services

Accessible facilities and services

- 1.1 With respect to the location of the development and provision of access to shops and services the following assessment is provided having regard to clauses 26 and 38 (a) of the Housing for Seniors Policy (SEPP HS).

Clauses 26 and 38(a) sets out the following criteria for determining site suitability with respect to access to shops and services.

Clause 26 - Location and access to facilities

- (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:
- (a) shops, bank service providers and other retail and commercial services that residents may reasonably require, and
 - (b) community services and recreation facilities, and
 - (c) the practice of a general medical practitioner.
- (2) Access complies with this clause if:
- (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:
 - (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
 - (2) (b) In the case of a proposed development on land in a local government area within the Sydney Statistical Division—there is a public 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
 - (ii) that will take those residents to a place that is located at a distance of not more than 400 metres from the relevant facilities or services; and
 - (iii) that is available both to and from the proposed development at least once between 8am and 12pm per day and at least once 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 public transport services

Accessible facilities and 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 public 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 distance are also acceptable:
- (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 slopes for a maximum of 5 metres at a time;
 - (iii) a gradient of no more than 1:8 for slopes for a maximum of 1.5 metres at a time; or
- (4) For the purposes of subclause (2):
- (a) a **suitable access pathway** is a path of travel by means of a sealed footpath or other similar and safe means that is suitable for access by means of an electric wheelchair, motorised cart or the like, and
 - (b) distances that are specified for the purposes of that subclause are to be measured by reference to the length of any such pathway.
- (5) In this clause:
- Bank service provider** means a bank, credit union or building society or any post office that provides banking services.

Clause 38 – Accessibility:

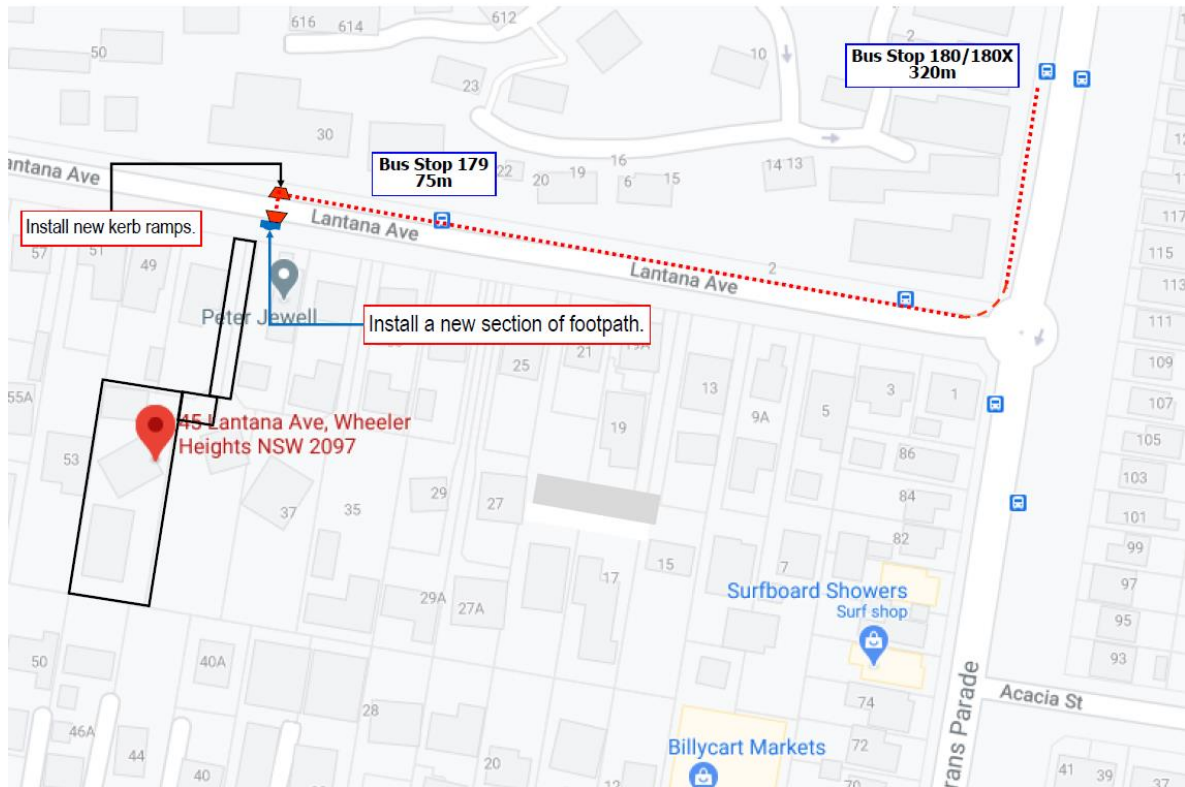
The proposed development should:

- (a) have obvious and safe pedestrian links from the site that provide access to public transport services and local facilities,

The following assessment has considered the above criteria and provides evidence regarding suitability of the location and surrounding environment.

Access to shops and services – Distance & Footpath Access

- 1.2 **Local Shopping Centre Access** – The development is situated on Lantana Avenue approximately 750 metres to the local Collaroy Plateau shopping centre. With respect to public transport the proposed development is conveniently located to two bus routes;
- 75 metres to bus stops on Lantana Avenue for bus route 179 which travels to Dee Why, Brookvale and Warringah Mall.
 - 320 metres to bus stops on Veterans Parade for route 180/180X also travels along Military Road to Spit Junction, Cremorne, Neutral Bay and Wynyard.
- Therefore, the development relies upon access to public transport services to access a range retail, commercial, community and recreational services at the abovementioned destinations to satisfy clause 26 of the SEPP Seniors Housing.



Location Map & Transport Services

1.3 Lantana Avenue Bus Stops

The site entrance is located 75 metres from a bus stop on Lantana Avenue to access bus routes 179 which travel to Dee Why, Brookvale and Warringah Mall.

- 1.4 Lantana Avenue is the terminus for this route which includes a turn-around at end of the street and therefore access to one bus stop is adequate for inbound and outbound services.



Lantana Avenue bus stop

To gain suitable access to the bus stop the development proposes the installation of a 4 metre footpath and two kerb ramps to comply with ASI428.1 will provide appropriate access that complies with Clause 26(2) and (4) of the SEPP HS.

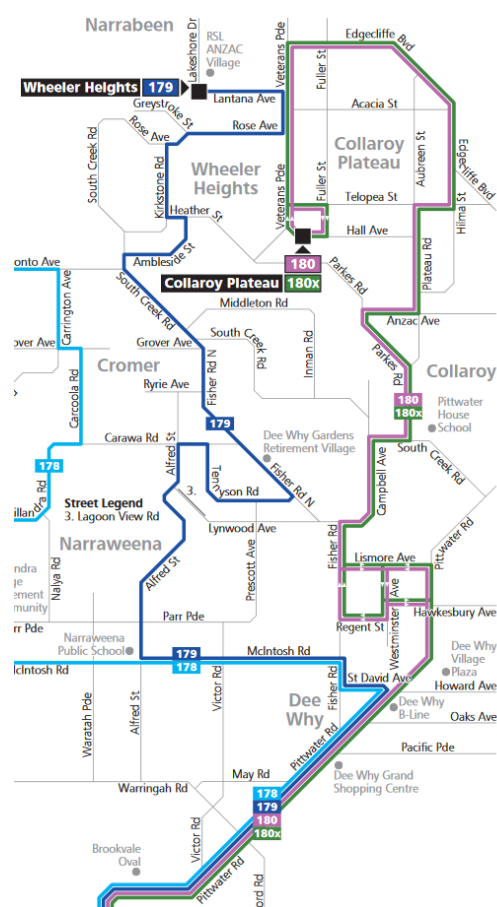
- 1.5 The slope of the footpath between the site and bus stop varies from 1:12 for 10-12 metres and then moderates to 1:14 and then 1:20 at the bus stop to confirm compliance with Clause 26(2) of the SEPP HS.

1.6 Veterans Parade Bus Stops

The site entrance is located 320 metres from a bus stop on Veterans Parade to access bus routes 180/180X which travel to Dee Why, Brookvale, Warringah Mall and then onto Manly Vale, Spit Junction, Cremorne, Neutral Bay and Wynyard.

The terminus for this route occurs a few hundred metres further on at the end of Veterans Parade with a loop around Hall, Fuller and Telopea Streets and therefore access to one bus stop is adequate for inbound and outbound services.

With respect to footpath access the continuation of Lantana Avenue and the 100 metre portion along Veterans Parade provide moderate gradients between 1:14 and 1:20 to confirm compliance with Clause 26(2) of the SEPP HS. There is also a marked pedestrian crossing to a return bus stop opposite for enhanced access.



1.7



Veterans Parade bus stops

1.8 Bus Stop Accessibility

The various local bus stops on Lantana Avenue and Veterans Parade provide appropriate spatial access for boarding and alighting in accordance with ASI428.1 and the DDA Transport Standard to satisfy clauses 26(2) and (4) of the SEPP HS.

1.9 Destination Accessibility of Bus Routes 179 and 180/180X

The destinations of bus routes 179 and, 1880/180X at Dee Why, Brookvale, Warringah Mall, Manly Vale, Balgowlah and Military Road strip shops at Mosman, Cremorne, Neutral Bay and Wynyard provide a wide range of services to readily satisfy Clause 26(1) and 26(5) of the SEPP HS, exemplified by the various Banks, Pharmacies, Medical Centres, Dentists, Post Office, supermarkets, cafes, restaurants, hair salons, recreation opportunities, etc.

- 1.10 The abovementioned centres provide satisfactory pedestrian and wheelchair access from the bus services to various shops and services to satisfy clauses 26(2), (4) and (5) of the SEPP HS.

Frequency and Destinations of Bus Services

- 1.11 **Bus Routes** that provide transport connections between the subject site and the abovementioned shopping centres include;

- Route 179 provides 19 outbound services daily Monday to Friday from 06.10am to 12.00 noon and a further 24 services after 12.00 noon;

Return trips - the timetable confirms 17 return services daily Monday to Friday from noon to 6.00pm and a further 18 services after 6.00pm.

The 179 timetable also indicates; 35 services on Saturday and Sunday that travel the same routes and destinations.

- Route 180 provides 9 outbound services daily Monday to Friday from 09.06am to 11.46 am;

Return Trips – the timetable confirms 12 return services daily Monday to Friday from 12.12pm to 5.57pm and a further 10 services after 6.00pm.

The 180 timetable also indicates; 40 services on Saturday and Sunday that travel the same routes and destinations.

- Route 180X provides 18 outbound services daily Monday to Friday from 06.25am to 08.52 am;

Return Trips – the timetable confirms 7 return services daily Monday to Friday from 4.18pm to 5.57pm and a further 12 services after 6.00pm.

The 180X service does not operate on Saturday and Sunday.

- 1.12 The timetables also confirm that the abovementioned bus routes provide services on Saturday and Sunday to ensure a comprehensive array of public transport.

A small sample of the timetable is attached at Appendix B of this report to illustrate the above frequencies.

Overall, the abovementioned services provide an appropriate range of services and choice of destinations to access a wide range of shops and services to satisfy clause to satisfy clause 26 (2)(a) and (b) of the SEPP HS.

Summary of Access to Services, Bus Stops and Bus Services

I.13 In summary it is evident that;

- That the development can provide appropriate pedestrian and wheelchair access to public transport in accordance with clause 26(2)(3)(4) of the SEPP HS, subject to the installation of a footpath connection and kerb ramps on Lantana Avenue and Veterans Parade as articulated above.
- The available bus services provided by Bus Routes 179 and 180/180X to Dee Why, Brookvale, Warringah Mall, Manly Vale, Balgowlah and Military Road strip shops at Mosman, Cremorne, Neutral Bay and Wynyard in conjunction with the abovementioned pedestrian infrastructure, will provide appropriate access to services in a manner consistent with clause 26(2)(b) of the SEPP HS.
- The combination of the 179 and 180//180X bus routes destination shopping centres and services at Dee Why, Brookvale, Warringah Mall, Manly Vale, Balgowlah and Military Road strip shops at Mosman, Cremorne, Neutral Bay and Wynyard provide a comprehensive range of services to readily satisfy Clause 26(1) and 26(5) of the SEPP HS.

Section 2 - Development Standards - Self-Contained Dwellings

This section provides an accessibility review of the self-contained dwellings and common amenities in accordance with the requirements of;

- Part D3 of the Building Code of Australia (BCA).
- Housing for Seniors Policy, Schedule 3, Clauses 2-21 and 38(a)(b) concerning the self-contained dwellings and common amenities and clause 50(f) and (h).
- Relevant aspects Australian Standard AS1428.1 (2009) – Design for Access and Mobility, AS4299 (1995) – Adaptable Housing and AS2890.6 (2009) – Off Street Parking for People with Disabilities as referenced by Schedule 3 and Clause 3(1) of the Housing for Seniors Policy.
- Seniors Living Urban Design Guideline and Clause 31.

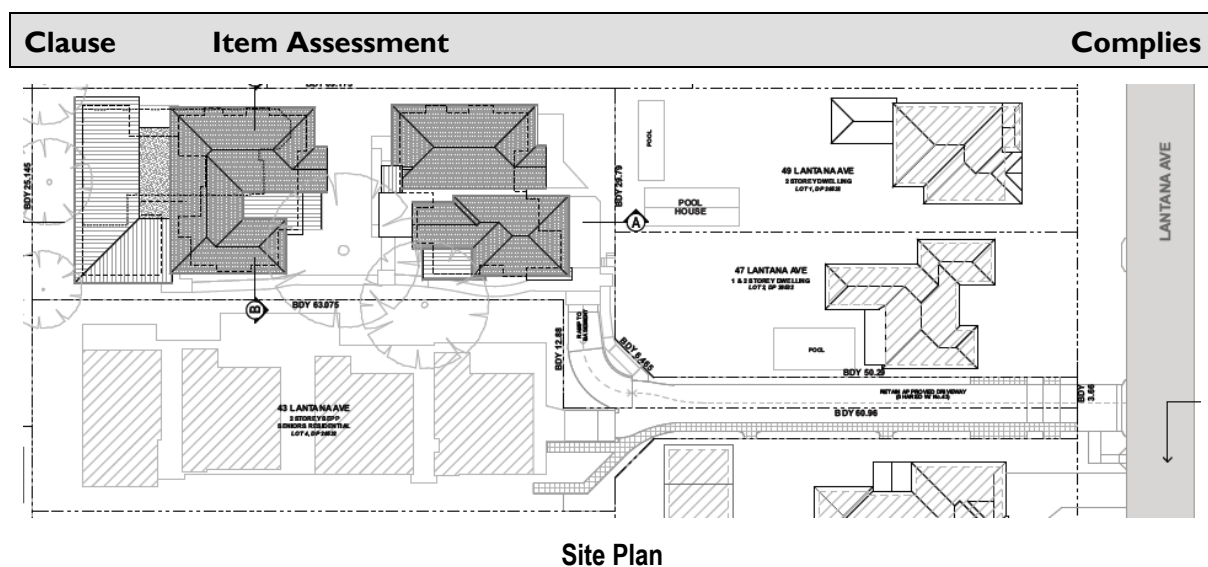


Table D3.1 & Part D3.2 of the BCA

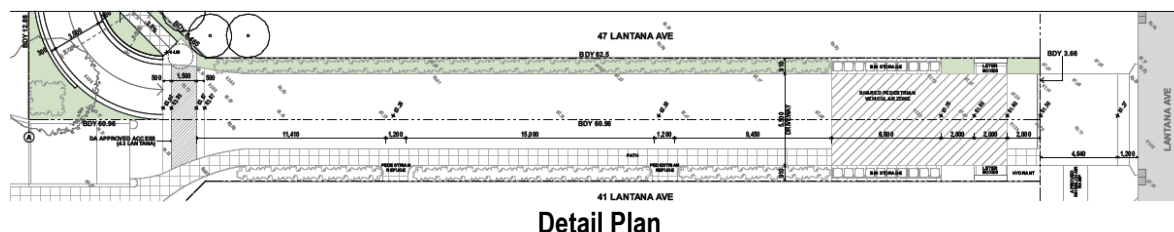
Site Entry Access

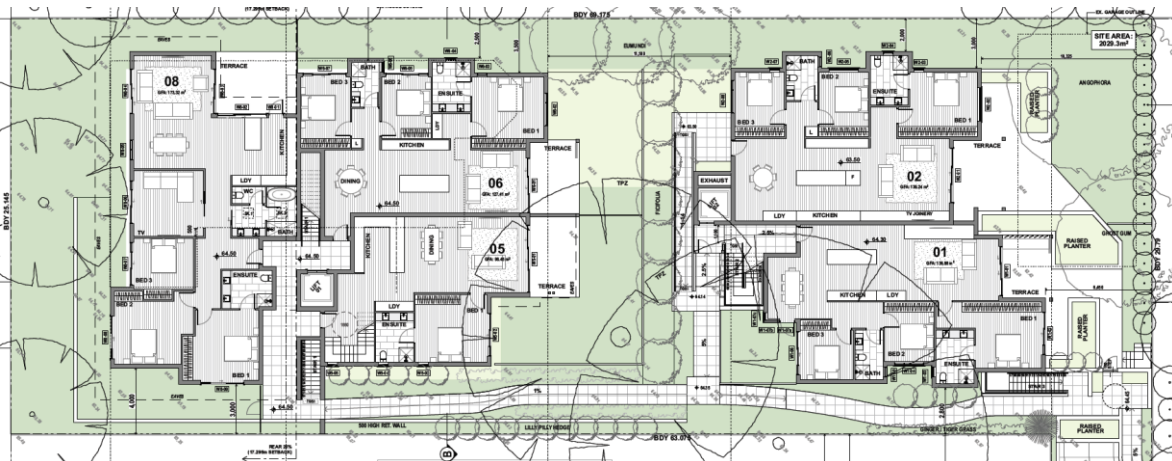
The abovementioned principal site entrance on Lantana Avenue provides a shared 1:20 walkway from the front boundary along a common accessway to the dwelling entrances and lifts at the ground floor level in accordance with AS1428.1 to satisfy Part D3.2 of the BCA and clause 2 of the Seniors Housing Policy.

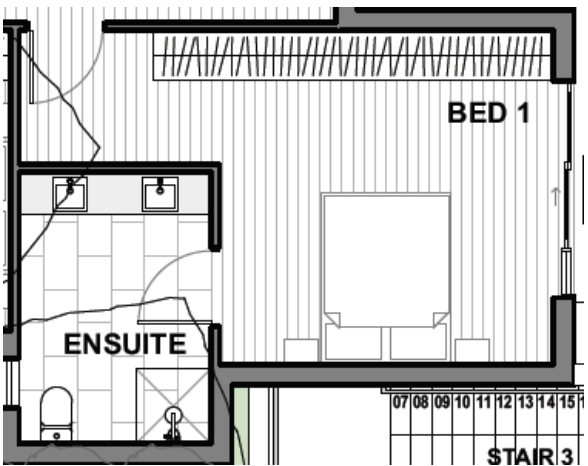
YES

The layout of the walkways will also provide Turning and Passing Areas in accordance with AS1428.1 to satisfy Part D3.2 of the BCA.

YES



Clause	Item Assessment	Complies
Schedule 3, Clause 2(1)(2)	<p>Site Access – Wheelchair Access</p> <p>The development proposes accessible principal pedestrian intrasite walkways, ramps and lifts that enable wheelchair access all dwellings and incorporate doorway landings with appropriate circulation spaces and accessible thresholds that comply with ASI428.1 to enter the dwellings and satisfy the SEPP HS.</p>	YES
		
Clause 31 & Seniors Urban Design Guideline	<p>Internal Site Amenity</p> <p>Pedestrian Accessways</p> <p>The development provides on-grade pedestrian walkways that have no interface with vehicle movements at the ground plane to enable appropriate safe access for older people and people with disabilities consistent with the Guideline objectives.</p> <p>Communal Open Space</p> <p>The communal open spaces for resident access along the common walkways generally satisfies the Urban Design Guideline and D3.3 of the BCA.</p>	YES
Parts D3.3, D2.14 and D3.8 of the BCA	<p>Common Stairways</p> <p>The plans show several common stairways that will be detailed to provide handrails on both sides and with extensions at landings for safer access and luminance contrasting stair nosings in accordance with ASI428.1 to satisfy Part D3.3 and D2.14 of the BCA.</p> <p>The stairways can be appropriately set back 600mm from transverse accessways to allow the installation of tactile indicators which will be confirmed at the construction certificate stage.</p>	YES Can Comply
Schedule 3 Clause 3	<p>Security – Low level lighting along the entry pathways can be a condition of consent which can be confirmed at construction certificate stage.</p>	YES at CC stage

Clause	Item Assessment	Complies
	appropriate outcome consistent with the SEPP HS and Urban Design Guideline.	
	Visitor Parking – The development provides one (1) visitor parking space to satisfy the objectives of clause 38(b) and the Urban Design Guideline.	YES
Schedule 3 Clause 6	Accessible entry – The plans confirm that the entry doorway landings for each dwelling provide 1550mm X 1550mm minimum circulation space with 530mm minimum latch side clearance in accordance with AS4299.	YES
	The internal foyer areas also provide at least 1650mm X 1550mm circulation space with the required 530mm latch side clearance in accordance with AS4299 and the Housing for Seniors Policy.	YES
	Details of 920mm entry doors and lever door handles can be confirmed at construction documentation stage.	Can Comply
Schedule 3 Clause 7	Interior: general – The plans show that all internal corridors on the accessible ground floor areas shall be 1240mm minimum width to facilitate side-on doorway circulation spaces in accordance with Figure 31(a)(b) of ASI428.1 to satisfy clause 7 of schedule 3.	YES
	Where front-on approaches to doorways is provided then the doorway circulation space shall provide at least 1600mm width with 530mm minimum latch side clearance in accordance with Figure 31(d)(h) of ASI428.1 to satisfy clause 7 of schedule 3.	
Schedule 3 Clause 8	Main bedroom – The plans show a main bedroom on the accessible entry level that provides an area large enough to accommodate a queen sized bed with required circulation spaces to enter/exit the room or access the ensuite in accordance with ASI428.1.	YES
	Generally the main bedrooms provides 4000mm X 3350mm to facilitate 1500mm and 1000mm clearance at the sides and 1250mm foot of a queen bed and doorway access to the robe, ensuite and exit from the room to comply with ASI428.1.	
		
Schedule 3 Clause 9	Bathroom – The plans show a bathroom on the accessible entry level of each dwelling that will provide at least 3100mm X 2300mm	YES

Clause	Item Assessment	Complies
	with a layout that complies with AS4299/1428.1 and the provisions of the SEPP HS in the following manner:	
	<ul style="list-style-type: none"> ▪ Toilet in a recessed corner to enable retrofitting of grabrails and provide 1250mm clearance in front of the pan, 	YES
	<ul style="list-style-type: none"> ▪ Vanity washbasin that will have plumbing that can be adapted to comply with A1428.1. 	YES at CC stage
	<ul style="list-style-type: none"> ▪ 1600mm X 1100mm minimum shower area with 1250mm X 1600mm minimum circulation area and a removable screen that can accommodate a grabrail, folding seat and portable shower head to comply with A1428.1. 	YES at CC stage
	<ul style="list-style-type: none"> ▪ Wall cabinet and mirror with an adjoining power outlet 600-1100mm height above the floor in accordance with AS4299. 	YES at CC stage
Schedule 3 Clause 10	Toilet – The plans show a toilet on the accessible entry level of every dwelling that provides a toilet pan in the corner of a room to enable future grabrails and provide at least 1250mm X 900mm clearance in front of the pan with no inward swing door encroachment that complies with AS4299 to satisfy the SEPP HS.	YES
Schedule 3 Clause 11	Surface finishes – Details regarding paving finishes in accordance with the Housing for Seniors Policy, can be provided at construction certificate stage to comply with this requirement.	Can Comply
Schedule 3 Clause 12	Doors – Details regarding doors and door handles complying with the Housing for Seniors Policy and A1428.1 can be provided at construction certificate stage to comply with this requirement.	Can Comply
Schedule 3 Clause 13	Ancillary items – Details regarding installation of switches, power points complying with the Housing for Seniors Policy can be provided at construction certificate stage.	Can Comply
Schedule 3 Clause 15	Living and Dining rooms – The combined living and dining areas indicate that the circulation spaces comply with this clause. See Private Open Space Cls 50(f) regarding doorway thresholds.	YES
Schedule 3 Clause 16	<p>Kitchen – The plans indicate the floor area and general kitchen layout will comply with this clause by providing 1550mm minimum width circulation space between kitchen cupboards. The plans also show an area to accommodate a wall oven, hotplate, sink and fridge in accessible positions as required by sub paragraphs (a), (c) and (g).</p> <p>Details regarding other aspects of adjustable cupboards and fitments as per the requirements of sub-paragraphs (d) to (j) which will be provided at construction certificate stage to satisfy the Housing for Seniors Policy.</p>	<p>YES</p> <p>At CC stage</p>

Figure 10: Proposed Shared Pedestrian/Vehicular Zone. The diagram illustrates a cross-section of a street layout. At the top, there are 'BIN STORAGE' and 'LETTER BOXES' areas. The central area is a 'SHARED PEDESTRIAN VEHICULAR ZONE' with diagonal hatching. A dashed line runs horizontally through the middle of this zone. Below the zone, there are dimensions: 6,600, 2,000, 2,000, and 2,000. At the bottom, there are 'BIN STORAGE', 'LETTER BOXES', and 'HYDRANT' areas. Slope indicators are shown on the right side: 61.75, 61.55, 61.25, 61.85, and 61.60. A vertical dimension of 62.35 is shown on the left side.

Conclusion

Following a review of the plans and documentation it is my opinion that the proposed development complies with the accessibility and adaptability requirements of the State Environment Planning Policy - Housing for Seniors or People with a Disability in the following manner;

- The development demonstrates compliance with the minimum requirements of visitability by virtue of 100% of the self contained dwellings that will have wheelchair accessible pathways from an adjoining road or internal road as required by schedule 3 clause 2(2); and
- Accessibility of the self-contained dwellings (100%) and compliance with the design standards of schedule 3; and
- Provision of communal amenities that will be wheelchair accessible and benefit the lifestyle of future residents also demonstrate compliance with ASI428 and clauses 38(b), schedule 3 clause 2(3); and
- Provision of well designed parking for residents and visitors in accordance with schedule 3 clause 5, clause 50(h) and 38(b); and
- Provision of appropriate access to public transport to access an appropriate range of shops and services to comply with clauses 26 and 38 of the SEPP HS, subject to the installation of a footpath and kerbs ramp on Lantana Avenue as listed within the report.



Mark Relf
Access Consultant (ACAA)

Appendix A – Statement of Expertise

CONSULTANCY PROFILE & STATEMENT OF EXPERTISE

Accessibility Solutions consultancy offers a range of services to provide advice for clients to develop new and modify existing buildings, facilities and services to be accessible to people with disabilities to comply with legislation and regulations relevant to people with disabilities.

Relevant legislation and regulations that underpins advice includes the Disability Discrimination Act (DDA) Building Code of Australia, Australian Standards 1428, DDA Premises Standards, DDA Transport Standard, State Environment Planning Policy Housing for Seniors or People With a Disability (SEPP HS) / Seniors Living Policy, SEPP 65 – Apartment Design Guide and various local government Development Control Plans.

The scope of services provided by Accessibility Solutions includes:

- Plan Appraisals and design advice
- Access Reports for development applications and construction certificates
- Expert Reports for Court evidence
- Access Auditing of existing buildings, facilities, transport conveyances and infrastructure
- Policy and document reviews and development of Disability Action Plans
- Staff training in access auditing

The services consider issues concerning people with all types of disability including; physical; vision; hearing, intellectual and other cognitive impairments that may affect access for people with a disability consistent with the Disability Discrimination Act.

As principal consultant Mark Relf has considerable experience and expertise in a wide range of access related projects and is an accredited member of the Association of Consultants in Access Australia for the purposes of providing advice concerning access to the built environment and services for people with disabilities.

His expertise has been gained over 20 years working in management and advocacy roles within the disability sector and since 1994 providing advice to clients on access issues. Mark also participates on various key committees concerning access for people with disabilities. His qualifications and affiliations are:

- Accredited Member of the Association of Consultants in Access Australia.
- Member, Standards Australia ME/64 Committee responsible for the AS1428 suite and AS4299 – Adaptable Housing.



Appendix B – Bus Timetable Sample

Departing the site

179

Wheeler Heights to Warringah Mall

B

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
RSL ANZAC Village, Lakeshore Dr, Narrabeen	06:10	06:27	06:44	06:54	07:02	07:12	07:22	07:31	07:41
South Creek Rd opp Toronto Ave, Wheeler Heights	06:14	06:32	06:50	07:00	07:08	07:18	07:28	07:38	07:48
Alfred St at Alamein Ave, Narrabeena	06:21	06:40	06:59	07:09	07:17	07:27	07:37	07:47	07:57
Dee Why Shops, Pittwater Rd, Dee Why	06:27	06:47	07:06	07:16	07:24	07:34	07:44	07:54	08:04
Pittwater Rd after Chard Rd, Brookvale	06:32	06:52	07:12	-	07:31	-	07:51	-	08:11
Warringah Mall, Green St, Brookvale	06:35	06:55	07:15	-	07:35	-	07:55	-	08:15
Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
RSL ANZAC Village, Lakeshore Dr, Narrabeen	07:51	08:01	08:21	08:42	09:11	09:38	10:09	10:39	11:09
South Creek Rd opp Toronto Ave, Wheeler Heights	07:58	08:08	08:28	08:48	09:17	09:44	10:15	10:45	11:15
Alfred St at Alamein Ave, Narrabeena	08:07	08:17	08:37	08:57	09:24	09:51	10:22	10:52	11:22
Dee Why Shops, Pittwater Rd, Dee Why	08:14	08:24	08:44	09:04	09:31	09:57	10:27	10:57	11:27
Pittwater Rd after Chard Rd, Brookvale	-	08:31	08:51	09:11	09:38	10:04	10:34	11:04	11:34
Warringah Mall, Green St, Brookvale	-	08:35	08:55	09:15	09:42	10:08	10:38	11:08	11:38
Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
RSL ANZAC Village, Lakeshore Dr, Narrabeen	11:39	12:09	12:39	13:09	13:39	14:09	14:39	15:08	15:38
South Creek Rd opp Toronto Ave, Wheeler Heights	11:45	12:15	12:45	13:15	13:45	14:15	14:45	15:14	15:44
Alfred St at Alamein Ave, Narrabeena	11:52	12:22	12:52	13:22	13:52	14:22	14:52	15:24	15:51
Dee Why Shops, Pittwater Rd, Dee Why	11:57	12:27	12:57	13:27	13:57	14:27	14:57	15:29	15:56
Pittwater Rd after Chard Rd, Brookvale	12:04	12:34	13:04	13:34	14:04	14:34	15:04	15:36	16:03
Warringah Mall, Green St, Brookvale	12:08	12:38	13:08	13:38	14:08	14:38	15:08	15:40	16:07
Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
RSL ANZAC Village, Lakeshore Dr, Narrabeen	16:08	16:38	17:08	17:36	18:06	18:36	19:06	19:36	20:06
South Creek Rd opp Toronto Ave, Wheeler Heights	16:14	16:44	17:14	17:41	18:11	18:41	19:11	19:41	20:10
Alfred St at Alamein Ave, Narrabeena	16:21	16:51	17:21	17:48	18:18	18:48	19:18	19:48	20:15
Dee Why Shops, Pittwater Rd, Dee Why	16:26	16:56	17:26	17:53	18:23	18:52	19:22	19:52	20:19
Pittwater Rd after Chard Rd, Brookvale	16:33	17:03	17:32	17:59	18:29	18:57	19:27	19:57	20:24
Warringah Mall, Green St, Brookvale	16:37	17:07	17:36	18:03	18:33	19:01	19:31	20:01	20:27

Return Trips Arriving at the site

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Warringah Mall, Green St, Brookvale	10:55	11:25	11:55	12:25	12:55	13:25	13:55	14:25	14:55
Pittwater Rd at Old Pittwater Rd, Brookvale	10:58	11:28	11:58	12:28	12:58	13:28	13:58	14:28	14:58
Dee Why B-Line, Dee Why	11:05	11:35	12:05	12:35	13:05	13:35	14:05	14:35	15:05
McIntosh Rd near Mundara Pl, Narrabeena	11:10	11:40	12:10	12:40	13:10	13:40	14:10	14:40	15:10
South Creek Rd after Toronto Ave, Wheeler Heights	11:19	11:49	12:19	12:49	13:19	13:49	14:19	14:50	15:21
RSL ANZAC Village, Lakeshore Dr, Narrabeen	11:26	11:56	12:26	12:56	13:26	13:56	14:27	14:58	15:29
Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Warringah Mall, Green St, Brookvale	15:25	15:50	16:10	16:30	-	16:50	-	17:10	-
Pittwater Rd at Old Pittwater Rd, Brookvale	15:28	15:53	16:13	16:33	-	16:53	-	17:13	-
Dee Why B-Line, Dee Why	15:36	16:01	16:20	16:40	16:50	17:00	17:10	17:20	17:30
McIntosh Rd near Mundara Pl, Narrabeena	15:43	16:07	16:26	16:46	16:56	17:06	17:16	17:25	17:35
South Creek Rd after Toronto Ave, Wheeler Heights	15:54	16:17	16:36	16:56	17:06	17:16	17:25	17:34	17:44
RSL ANZAC Village, Lakeshore Dr, Narrabeen	16:02	16:25	16:44	17:04	17:14	17:24	17:33	17:42	17:52
Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Warringah Mall, Green St, Brookvale	17:30	-	17:50	-	18:10	-	18:30	-	18:50
Pittwater Rd at Old Pittwater Rd, Brookvale	17:33	-	17:53	-	18:13	-	18:33	-	18:53
Dee Why B-Line, Dee Why	17:40	17:50	18:00	18:10	18:20	18:30	18:40	18:49	18:59
McIntosh Rd near Mundara Pl, Narrabeena	17:45	17:55	18:05	18:15	18:25	18:35	18:45	18:54	19:04
South Creek Rd after Toronto Ave, Wheeler Heights	17:54	18:04	18:14	18:24	18:34	18:44	18:54	19:03	19:13
RSL ANZAC Village, Lakeshore Dr, Narrabeen	18:02	18:12	18:22	18:32	18:42	18:51	19:01	19:10	19:20

Departing the site

180**Collaroy Plateau to Warringah Mall**

Monday to Friday									
Hall Ave before Heather St, Collaroy Plateau	09:06	09:26	09:46	10:06	10:26	10:46	11:06	11:26	11:46
Hilma St at Telopea St, Collaroy Plateau	09:11	09:31	09:51	10:11	10:31	10:51	11:11	11:31	11:51
Dee Why Shops, Pittwater Rd, Dee Why	09:24	09:42	10:02	10:22	10:42	11:02	11:22	11:42	12:02
Pittwater Rd after Chard Rd, Brookvale	09:31	09:49	10:09	10:29	10:49	11:09	11:29	11:49	12:09
Warringah Mall, Green St, Brookvale	09:35	09:53	10:13	10:33	10:53	11:13	11:33	11:53	12:13
Monday to Friday									
Hall Ave before Heather St, Collaroy Plateau	12:06	12:26	12:46	13:06	13:26	13:46	14:06	14:26	14:46
Hilma St at Telopea St, Collaroy Plateau	12:11	12:31	12:51	13:11	13:31	13:51	14:11	14:31	14:51
Dee Why Shops, Pittwater Rd, Dee Why	12:22	12:42	13:02	13:22	13:42	14:02	14:22	14:42	15:02
Pittwater Rd after Chard Rd, Brookvale	12:29	12:49	13:09	13:29	13:49	14:09	14:29	14:49	15:09
Warringah Mall, Green St, Brookvale	12:33	12:53	13:13	13:33	13:53	14:13	14:33	14:53	15:13
Monday to Friday									
Hall Ave before Heather St, Collaroy Plateau	15:06	15:26	15:46	16:06	16:26	16:46	17:06	17:26	17:46
Hilma St at Telopea St, Collaroy Plateau	15:11	15:31	15:51	16:11	16:31	16:51	17:11	17:31	17:51
Dee Why Shops, Pittwater Rd, Dee Why	15:22	15:42	16:02	16:22	16:42	17:02	17:22	17:42	18:02
Pittwater Rd after Chard Rd, Brookvale	15:29	15:49	16:09	16:29	16:49	17:09	17:28	17:48	18:08
Warringah Mall, Green St, Brookvale	15:33	15:53	16:13	16:33	16:53	17:13	17:32	17:52	18:12
Monday to Friday									
Hall Ave before Heather St, Collaroy Plateau	18:16	18:46	19:16	19:45	20:15	20:43	21:13	21:43	22:13
Hilma St at Telopea St, Collaroy Plateau	18:21	18:51	19:21	19:50	20:20	20:48	21:18	21:48	22:18
Dee Why Shops, Pittwater Rd, Dee Why	18:32	19:01	19:31	20:00	20:29	20:57	21:27	21:57	22:27
Pittwater Rd after Chard Rd, Brookvale	18:38	19:06	19:36	20:05	20:34	21:02	21:32	22:02	22:32
Warringah Mall, Green St, Brookvale	18:42	19:10	19:40	20:08	20:37	21:05	21:35	22:05	22:35

Return Trips Arriving at the site

Valid from: 20 Dec 2020

Creation date: 21 Dec 2020

NOTE: Information is correct on date of download.

Monday to Friday									
Warringah Mall, Green St, Brookvale	06:10	06:45	07:10	07:30	07:50	08:10	08:30	08:50	09:10
Pittwater Rd at Old Pittwater Rd, Brookvale	06:13	06:48	07:13	07:33	07:53	08:13	08:33	08:53	09:13
Dee Why B-Line, Dee Why	06:19	06:54	07:19	07:40	08:00	08:20	08:40	09:00	09:20
Telopea St at Hilma St, Collaroy Plateau	06:30	07:05	07:30	07:52	08:12	08:32	08:52	09:12	09:32
Hall Ave before Heather St, Collaroy Plateau	06:37	07:12	07:39	08:01	08:21	08:41	09:01	09:21	09:41
Monday to Friday									
Warringah Mall, Green St, Brookvale	09:30	09:50	10:10	10:30	10:50	11:10	11:30	11:50	12:10
Pittwater Rd at Old Pittwater Rd, Brookvale	09:33	09:53	10:13	10:33	10:53	11:13	11:33	11:53	12:13
Dee Why B-Line, Dee Why	09:40	10:00	10:20	10:40	11:00	11:20	11:40	12:00	12:20
Telopea St at Hilma St, Collaroy Plateau	09:52	10:12	10:32	10:52	11:12	11:32	11:52	12:12	12:32
Hall Ave before Heather St, Collaroy Plateau	10:01	10:21	10:41	11:01	11:21	11:41	12:01	12:21	12:41
Monday to Friday									
Warringah Mall, Green St, Brookvale	12:30	12:50	13:10	13:30	13:50	14:10	14:30	14:50	15:10
Pittwater Rd at Old Pittwater Rd, Brookvale	12:33	12:53	13:13	13:33	13:53	14:13	14:33	14:53	15:13
Dee Why B-Line, Dee Why	12:40	13:00	13:20	13:40	14:00	14:20	14:40	15:00	15:20
Telopea St at Hilma St, Collaroy Plateau	12:52	13:12	13:32	13:52	14:12	14:32	14:52	15:12	15:32
Hall Ave before Heather St, Collaroy Plateau	13:01	13:21	13:41	14:01	14:21	14:41	15:03	15:25	15:45
Monday to Friday									
Warringah Mall, Green St, Brookvale	15:30	20:10	20:40	21:10	21:40	22:10	22:40	23:10	23:40
Pittwater Rd at Old Pittwater Rd, Brookvale	15:33	20:13	20:43	21:13	21:43	22:13	22:43	23:13	23:43
Dee Why B-Line, Dee Why	15:41	20:18	20:48	21:18	21:48	22:18	22:48	23:18	23:48
Telopea St at Hilma St, Collaroy Plateau	15:57	20:27	20:57	21:27	21:57	22:27	22:57	23:27	23:57
Hall Ave before Heather St, Collaroy Plateau	16:06	20:34	21:03	21:32	22:02	22:32	23:02	23:32	00:02

Departing the site

180X**Collaroy Plateau to City
Wynyard (Express Service)**

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Hall Ave before Heather St, Collaroy Plateau	05:35	05:55	06:05	06:16	06:26	06:36	06:46	06:56	07:06
Hilma St at Telopea St, Collaroy Plateau	05:41	06:01	06:11	06:22	06:32	06:42	06:52	07:02	07:12
Dee Why B-Line, Dee Why	05:54	06:14	06:24	06:35	06:45	06:55	07:06	07:16	07:26
Warringah Mall, Pittwater Rd, Brookvale	05:59	06:20	06:30	06:41	06:51	07:01	07:12	07:22	07:32
Manly Vale B-Line, Manly Vale	06:03	06:24	06:34	06:45	06:55	07:05	07:16	07:27	07:37
Spit Junction B-Line, Mosman	06:14	06:35	06:45	06:56	07:06	07:16	07:29	07:41	07:51
Neutral Bay Junction, Military Rd, Neutral Bay	06:19	06:40	06:50	07:01	07:11	07:21	07:35	07:47	07:57
Wynyard Station	06:25	06:46	06:56	07:07	07:17	07:30	07:44	07:56	08:06
Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Hall Ave before Heather St, Collaroy Plateau	07:16	07:26	07:36	07:46	07:56	08:06	08:16	08:26	08:46
Hilma St at Telopea St, Collaroy Plateau	07:22	07:32	07:42	07:52	08:02	08:12	08:22	08:32	08:52
Dee Why B-Line, Dee Why	07:37	07:47	07:57	08:07	08:17	08:27	08:36	08:46	09:06
Warringah Mall, Pittwater Rd, Brookvale	07:43	07:53	08:03	08:13	08:23	08:33	08:42	08:52	09:12
Manly Vale B-Line, Manly Vale	07:48	07:58	08:08	08:18	08:28	08:38	08:47	08:57	09:17
Spit Junction B-Line, Mosman	08:02	08:12	08:22	08:32	08:42	08:52	09:01	09:11	09:28
Neutral Bay Junction, Military Rd, Neutral Bay	08:08	08:18	08:28	08:38	08:48	08:58	09:07	09:17	09:34
Wynyard Station	08:17	08:27	08:38	08:48	08:58	09:08	09:17	09:27	09:41

Return Trips Arriving at the site

180X**City Wynyard to Collaroy
Plateau (Express Service)**

Valid from: 20 Dec 2020

Creation date: 21 Dec 2020

NOTE: Information is correct on date of download.

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Wynyard Station	15:20	15:40	16:00	16:20	16:38	16:48	16:58	17:08	17:19
Neutral Bay Junction, Military Rd, Neutral Bay	15:30	15:50	16:10	16:30	16:50	17:00	17:10	17:20	17:31
Spit Junction B-Line, Mosman	15:36	15:56	16:16	16:36	16:56	17:06	17:16	17:26	17:37
Manly Vale B-Line, Manly Vale	15:46	16:06	16:26	16:46	17:06	17:16	17:26	17:36	17:47
Warringah Mall, Pittwater Rd, Brookvale	15:51	16:11	16:31	16:51	17:11	17:21	17:31	17:41	17:52
Dee Why B-Line, Dee Why	15:58	16:18	16:38	16:58	17:18	17:28	17:38	17:48	17:59
Telopea St at Hilma St, Collaroy Plateau	16:12	16:32	16:52	17:12	17:32	17:42	17:52	18:02	18:13
Hall Ave before Heather St, Collaroy Plateau	16:18	16:38	16:58	17:17	17:37	17:47	17:57	18:07	18:18
Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Wynyard Station	17:29	17:39	17:49	17:59	18:09	18:21	18:33	18:43	18:54
Neutral Bay Junction, Military Rd, Neutral Bay	17:41	17:51	18:01	18:11	18:21	18:33	18:45	18:55	19:05
Spit Junction B-Line, Mosman	17:47	17:57	18:07	18:17	18:27	18:37	18:49	18:59	19:09
Manly Vale B-Line, Manly Vale	17:57	18:07	18:17	18:27	18:37	18:47	18:59	19:09	19:19
Warringah Mall, Pittwater Rd, Brookvale	18:02	18:12	18:22	18:32	18:42	18:52	19:03	19:13	19:23
Dee Why B-Line, Dee Why	18:09	18:19	18:29	18:39	18:49	18:59	19:09	19:19	19:29
Telopea St at Hilma St, Collaroy Plateau	18:23	18:33	18:43	18:53	19:03	19:13	19:23	19:33	19:43
Hall Ave before Heather St, Collaroy Plateau	18:28	18:38	18:48	18:58	19:08	19:18	19:28	19:38	19:48
Monday to Friday	♿								
Wynyard Station	19:16								
Neutral Bay Junction, Military Rd, Neutral Bay	19:26								
Spit Junction B-Line, Mosman	19:30								
Manly Vale B-Line, Manly Vale	19:39								
Warringah Mall, Pittwater Rd, Brookvale	19:43								
Dee Why B-Line, Dee Why	19:49								
Telopea St at Hilma St, Collaroy Plateau	20:02								
Hall Ave before Heather St, Collaroy Plateau	20:07								